

## **VENKOVNÍ JEDNOTKY**

HV8SO-M252, HV8SO-M280, HV8SO-M335, HV8SO-M400,  
HV8SO-M450, HV8SO-M500, HV8SO-M560, HV8SO-M615,  
HV8SO-M670, HV8SO-M730, HV8SO-M785, HV8SO-M850,  
HV8SO-M900

# VRF SYSTÉMY

## **VENKOVNÍ JEDNOTKY HV8SO**

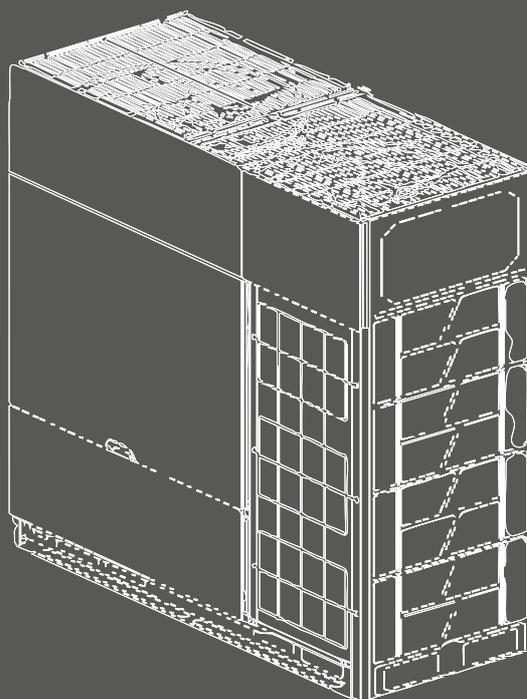


GENUINE PRODUCT OF  
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### **UPOZORNĚNÍ:**

Před instalací nebo servisem zařízení si pozorně přečtěte tento návod. Uschovejte jej pro další použití.



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# HV8SO VRF 50Hz

## 1 Specifications

### 8-14HP

Table 2-1.1: 8-14HP specifications

HP			8	10	12	14
Model			HV8SO-M252	HV8SO-M280	HV8SO-M335	HV8SO-M400
Power supply			380-415V, 3N~, 50Hz			
Cooling <sup>1</sup>	Capacity	kW	25.2	28.0	33.5	40.0
		kBtu/h	85.9	95.5	114.2	136.4
	Power input	kW	7.8	8.8	11.6	14.0
	EER			3.21	3.20	2.88
Heating <sup>2</sup> (Rated )	Capacity	kW	25.2	28.0	33.5	40.0
		kBtu/h	85.9	95.5	114.2	136.4
	Power input	kW	6.4	7.4	9.5	11.3
	COP			3.91	3.77	3.53
Heating <sup>2</sup> (Max)	Capacity	kW	27.0	31.5	37.5	45.0
		kBtu/h	92.1	107.4	127.9	153.5
	Power input	kW	7.1	8.7	11.4	13.4
	COP			3.83	3.62	3.30
SEER			7.33	7.25	7.19	7.28
η <sub>s,c</sub>		%	290.20	287.00	284.60	288.20
SCOP			4.33	4.27	4.29	4.37
η <sub>s,h</sub>		%	170.20	167.80	168.60	171.80
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		13	16	19	23
Compressor	Type		DC inverter			
	Quantity		1			
	Oil type		FVC68D			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		1			
	Motor output	kW	0.56	0.56	0.56	0.92
	Static pressure	Pa	0-20 (standard)20-80 (customized)			
	Airflow rate	m <sup>3</sup> /h	12600	12600	13500	15600
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	7	7	7	8.4
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9
	Gas pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ28.6
Sound pressure level <sup>4</sup>		dB(A)	58	58	61	65
Sound power level <sup>4</sup>		dB(A)	83	84	85	86
Net dimensions (W×H×D)		mm	940×1760×825			
Packed dimensions (W×H×D)		mm	1010×1945×890			
Net weight		kg	195	195	195	215
Gross weight		kg	213	213	213	232
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30

Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Diameters given are those of the unit's stop valve.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

## 16-22HP

Table 2-1.2: 16-22HP specifications

HP			16	18	20	22
Model			HV8SO-M450	HV8SO-M500	HV8SO-M560	HV8SO-M615)
Power supply			380-415V, 3N~, 50Hz			
Cooling1	Capacity	kW	45.0	50.0	56.0	61.5
		kBtu/h	153.5	170.5	191.0	209.7
	Power input	kW	18.37	18.12	22.05	25.84
	EER			2.45	2.76	2.54
Heating2(Rated)	Capacity	kW	45.0	50.0	56.0	61.5
		kBtu/h	153.5	170.5	191.0	209.7
	Power input	kW	12.75	13.59	15.73	17.37
	COP			3.53	3.68	3.56
Heating2(Max)	Capacity	kW	50.0	56.0	63.0	69.0
		kBtu/h	170.5	191.0	214.8	235.3
	Power input	kW	15.87	15.82	18.05	21.56
	COP			3.15	3.54	3.49
SEER			6.83	7.03	6.63	6.63
ηs,c		%	270.20	278.20	262.20	262.20
SCOP			4.27	4.25	4.20	4.39
ηs,h		%	167.80	167.00	165.00	172.60
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		26	29	33	36
Compressor	Type		DC inverter			
	Quantity		1	2		
	Oil type		FVC68D			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		1	2		
	Motor output	kW	0.92	0.56×2	0.56×2	0.56×2
	Static pressure	Pa	0-20 (default); 20-80 (customized)			
	Airflow rate	m3/h	15600	22000	22000	21500
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	8.4	9.3	9.3	11.96
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9
	Gas pipe	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6
Sound pressure level <sup>4</sup>		dB(A)	65	65	66	66
Sound power level <sup>4</sup>		dB(A)	86	88	89	89
Net dimensions (W×H×D)		mm	940×1760×825	1340×1760×825		
Packed dimensions (W×H×D)		mm	1010×1945×890	1410×1945×890		
Net weight		kg	215	295	295	315
Gross weight		kg	232	315	315	335
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30

Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Diameters given are those of the unit's stop valve.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

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## 24-32HP

Table 2-1.3: 24-32HP specifications

HP			24	26	28	30	32
Model			HV8SO-M670	HV8SO-M730	HV8SO-M785	HV8SO-M850	HV8SO-M900
Power supply			380-415V, 3N~, 50Hz				
Cooling1	Capacity	kW	67.0	73.0	78.5	85.0	90.0
		kBtu/h	228.5	248.9	267.7	289.9	306.9
	Power input	kW	31.31	35.44	32.44	37.78	43.90
	EER			2.14	2.06	2.42	2.25
Heating2(Rated)	Capacity	kW	67.0	73.0	78.5	85.0	90.0
		kBtu/h	228.5	248.9	267.7	289.9	306.9
	Power input	kW	19.14	22.12	23.09	25.07	27.78
	COP			3.50	3.30	3.40	3.39
Heating2(Max)	Capacity	kW	75.0	81.5	87.5	95.0	100.0
		kBtu/h	255.8	277.9	298.4	324.0	341.0
	Power input	kW	21.74	25.15	28.69	28.44	31.35
	COP			3.45	3.24	3.05	3.34
SEER			6.14	5.69	6.02	5.93	5.78
$\eta_{s,c}$			242.60	224.60	237.80	234.20	228.20
SCOP			4.32	4.27	4.28	4.20	4.20
$\eta_{s,h}$			169.80	167.80	168.20	165.00	165.00
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity				
	Maximum quantity		39	43	46	50	53
Compressor	Type		DC inverter				
	Quantity		2				
	Oil type		FVC68D				
	Start-up method		Soft start				
Fan	Type		Propeller				
	Motor type		DC				
	Quantity		2				
	Motor output	kW	0.56×2	0.92×2	0.92×2	0.92×2	0.92×2
	Static pressure	Pa	0-20 (default); 20-80 (customized)				
	Airflow rate	m <sup>3</sup> /h	21500	29000	28000	28000	28000
Drive type		Direct					
Refrigerant	Type		R410A				
	Factory charge	kg	11.96	11.96	11.96	11.96	11.96
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ15.9	Φ22.2	Φ22.2	Φ22.2	Φ22.2
	Gas pipe	mm	Φ28.6	Φ31.8	Φ34.9	Φ34.9	Φ34.9
Sound pressure level <sup>4</sup>		dB(A)	67	68	68	68	68
Sound power level <sup>4</sup>		dB(A)	92	93	93	93	93
Net dimensions (W×H×D)		mm	1340×1760×825	1880×1760×825			
Packed dimensions (W×H×D)		mm	1410×1945×890	1935×1945×890			
Net weight		kg	315	366	396	396	396
Gross weight		kg	335	396	426	426	426
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30	-30 to 30

Notes:

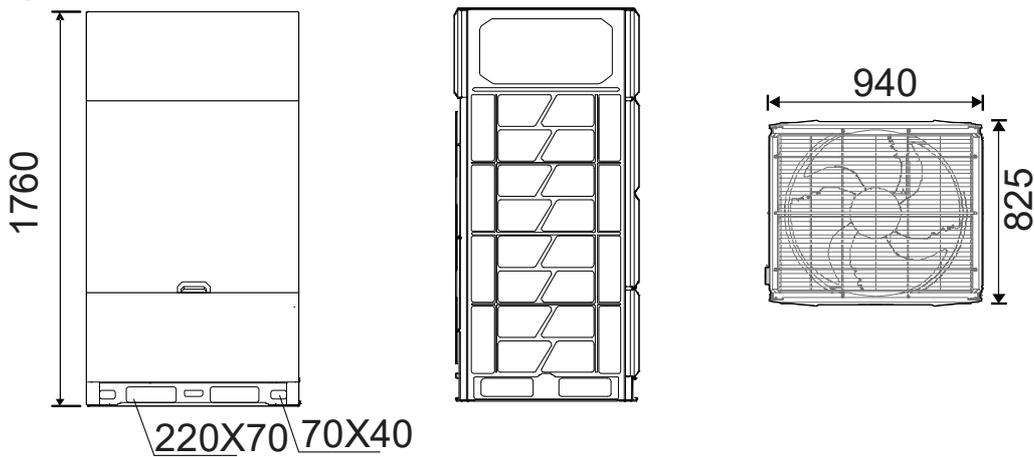
- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Diameters given are those of the unit's stop valve.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

## 2 Dimensions

**2.1 Single Units**

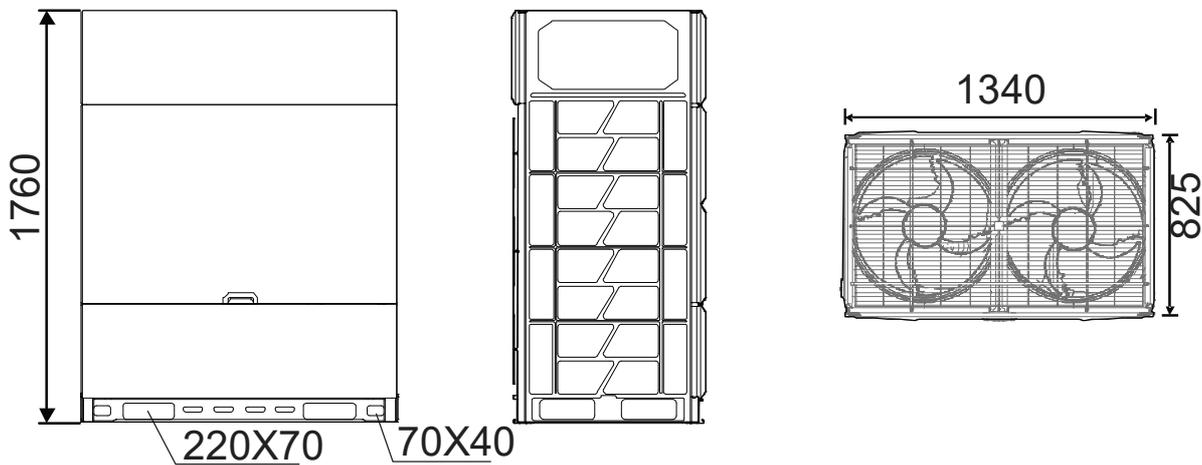
**8/10/12/14/16 HP**

Figure 2-2.1: 8/10/12/14/16 HP dimensions (unit: mm)



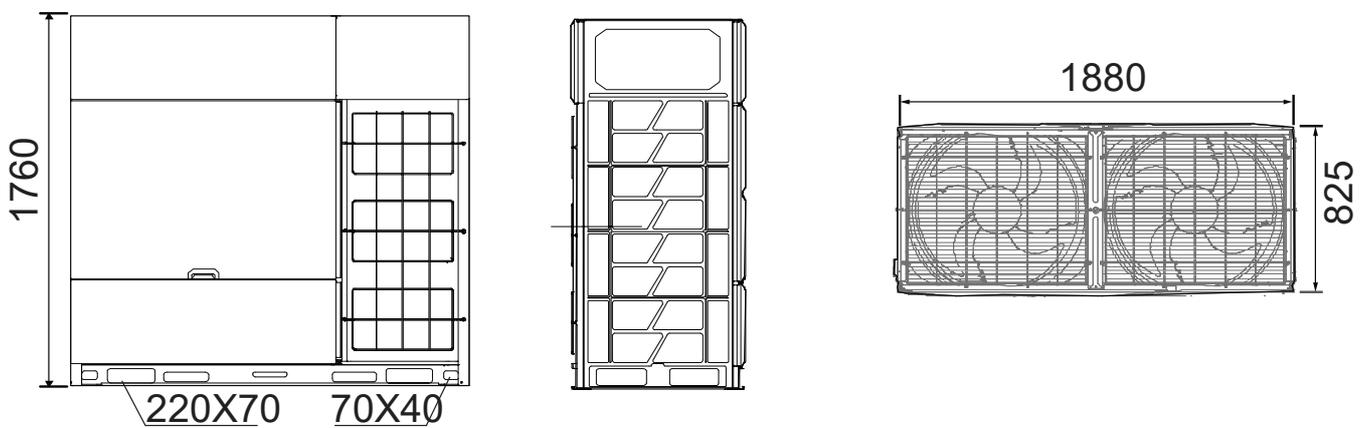
**18/20/22/24HP**

Figure 2-2.2: 18/20/22/24HP dimensions (unit: mm)



**26/28/30/32HP**

Figure 2-2.3: 26/28/30/32HP dimensions (unit: mm)



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## Detail R

Figure 2-2.4: Detail R (unit: mm)

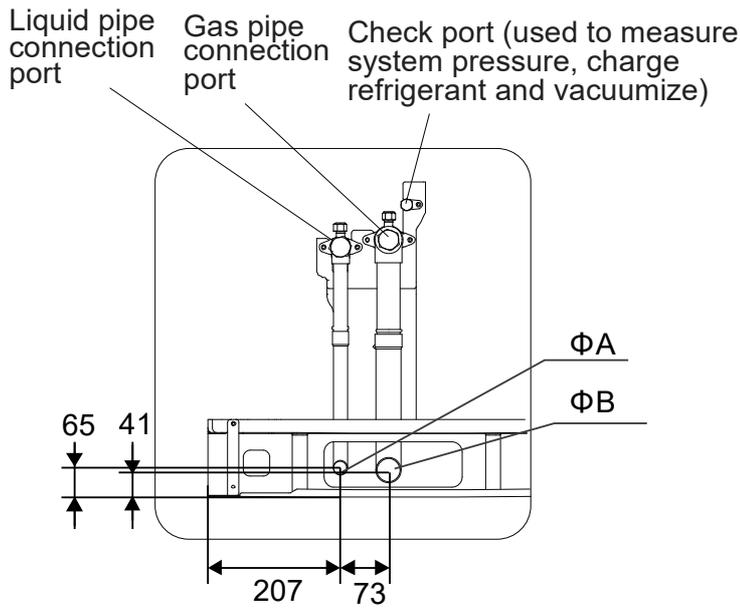


Table 2-2.1: Connection piping diameter (unit: mm)

Size	ΦA(Liquid)	ΦB(Gas)
8HP	Φ12.7	Φ25.4
10HP	Φ12.7	Φ25.4
12HP	Φ12.7	Φ25.4
14HP	Φ15.9	Φ28.6
16HP	Φ15.9	Φ28.6
18HP	Φ19.1	Φ31.8
20HP	Φ19.1	Φ31.8
22HP	Φ19.1	Φ31.8
24HP	Φ19.1	Φ31.8
26HP	Φ22.2	Φ31.8
28HP	Φ22.2	Φ38.1
30HP	Φ22.2	Φ38.1
32HP	Φ22.2	Φ38.1

### 3 Installation Space Requirements

Make sure there is sufficient space around the unit for maintenance work, and the minimum space for air inlet and air outlet is reserved (see below to select a feasible method).

Ensure there is enough space for maintenance. The units in the same system must be placed at the same height.

Outdoor units must be spaced so that sufficient air may flow through each unit. Sufficient airflow across heat exchangers is essential for outdoor units to function properly.

#### For single unit installation

Figure 2-3.1: Single unit installation (unit: mm)

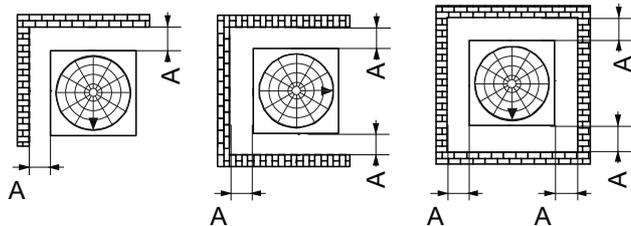
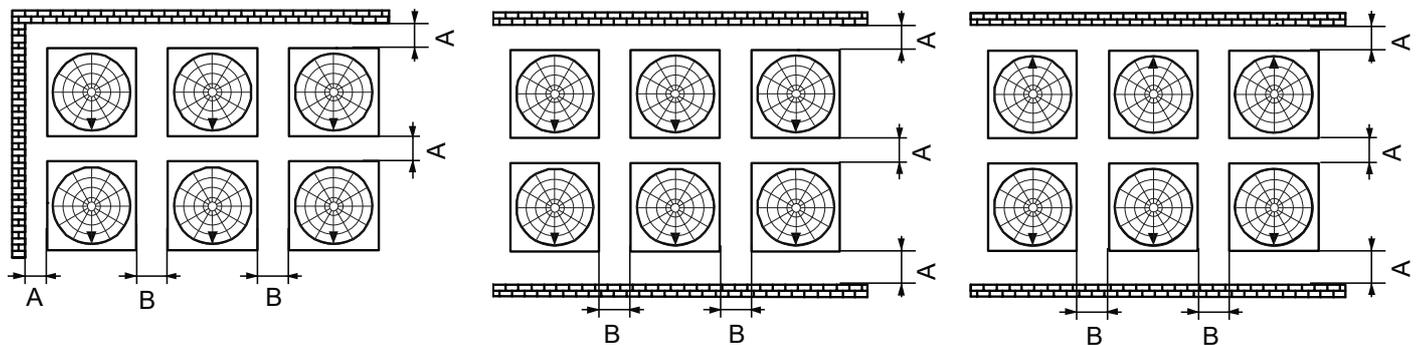


Table 2-3.1: significance of symbol

symbol	significance	Value
arrow ▼	the front of the unit	-
A	distance	$A \geq 1000\text{mm}$
B	distance	$500\text{mm} \geq B \geq 100\text{mm}$ .

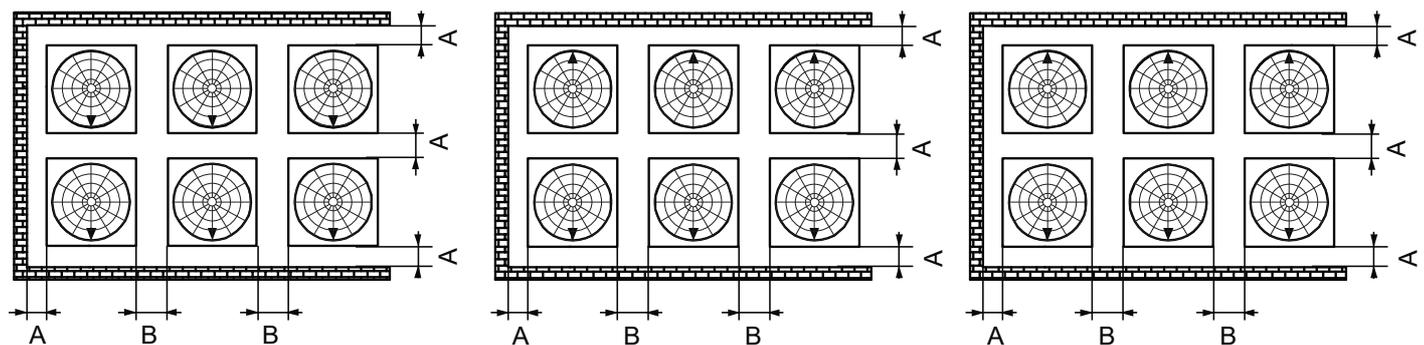
#### Installation with walls in two directions

Figure 2-3.2: installation with walls in two directions (unit: mm)



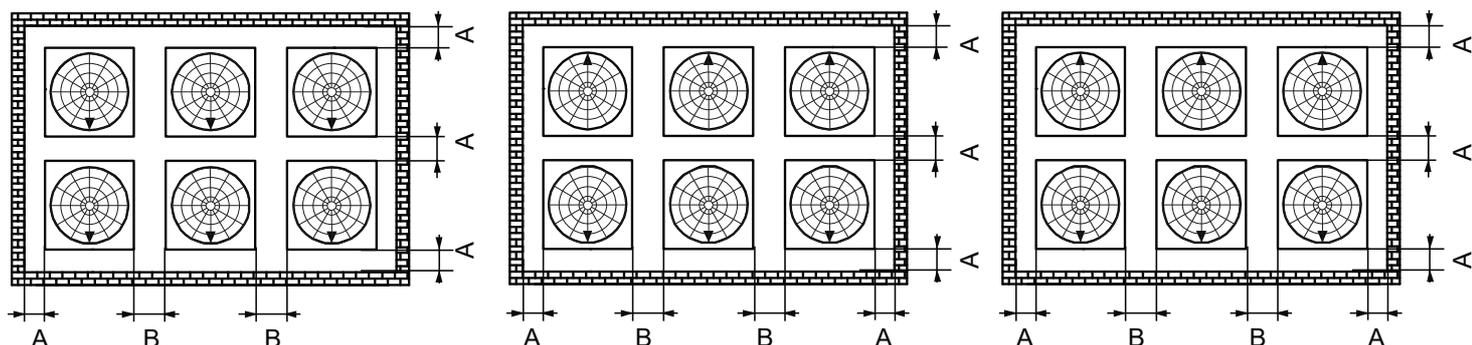
#### Installation with walls in three directions

Figure 2-3.3: installation with walls in three directions (unit: mm)



#### Installation with walls in four directions

Figure 2-3.4: installation with walls in four directions (unit: mm)



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The dimensions in the above figures (Figure 2-3.1 to Figure 2-3.4) provide sufficient space for operation and maintenance under normal operating conditions (refrigeration mode at an outdoor temperature of 35°C).

If the outdoor temperature is higher and ventilation short circuiting may occur, choose the most suitable dimensions by calculating the return air flow.

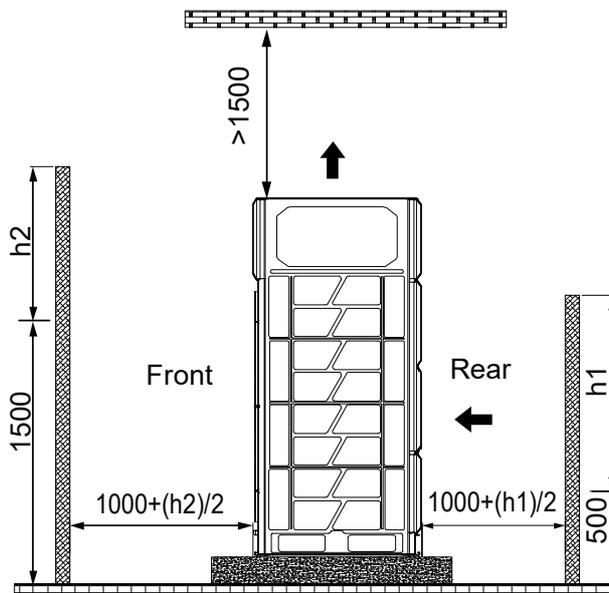
Keep the inlet and outlet of each ODU open and avoid interference.

If there is an obstacle in the space over the unit, the four sides of the unit should be open.

### In the situation depicted in following Figure 2-3.5

- If there are no walls in front of or behind the unit, it is necessary to reserve a space of 1000mm on both sides.
- If the front wall is higher than 1500mm, a space of at least  $(1000 + (h_2)/2)$  mm is required at the front
- If the rear wall is higher than 500mm, a space of at least  $(1000 + (h_1)/2)$  mm is required at the back.
- When the space above the unit is less than 1500mm, an air ducting device shall be installed to prevent ventilation from short circuiting.
- When the space over the unit is greater than 1500mm, an air ducting device shall be installed if the air circulation is not smooth at the top of the unit.

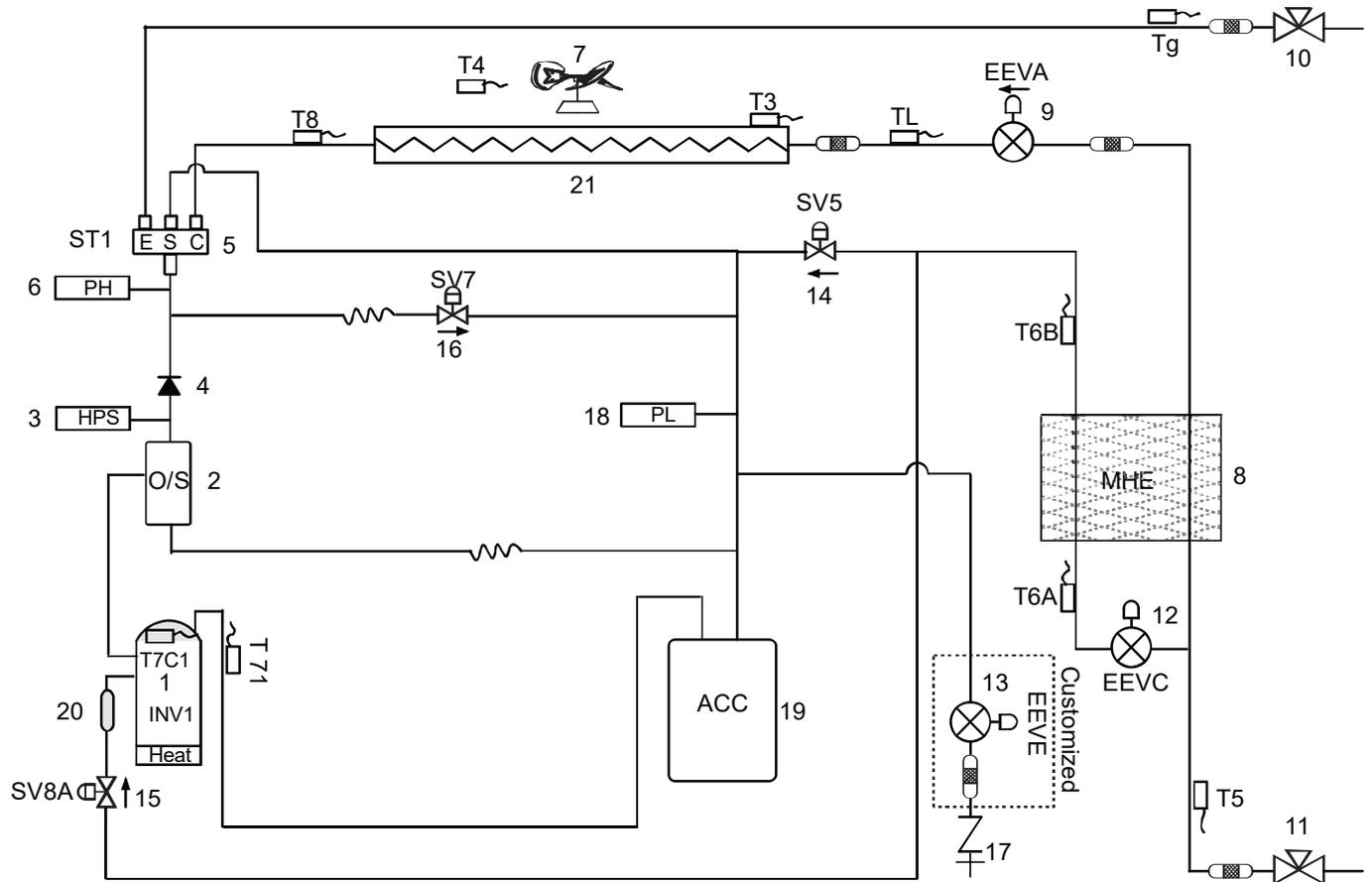
Figure 2-3.5: Top of unit below top of adjacent wall unit (mm)



### 4 Piping Diagrams

#### 8-16HP

Figure 2-4.1: 8-16HP piping diagram

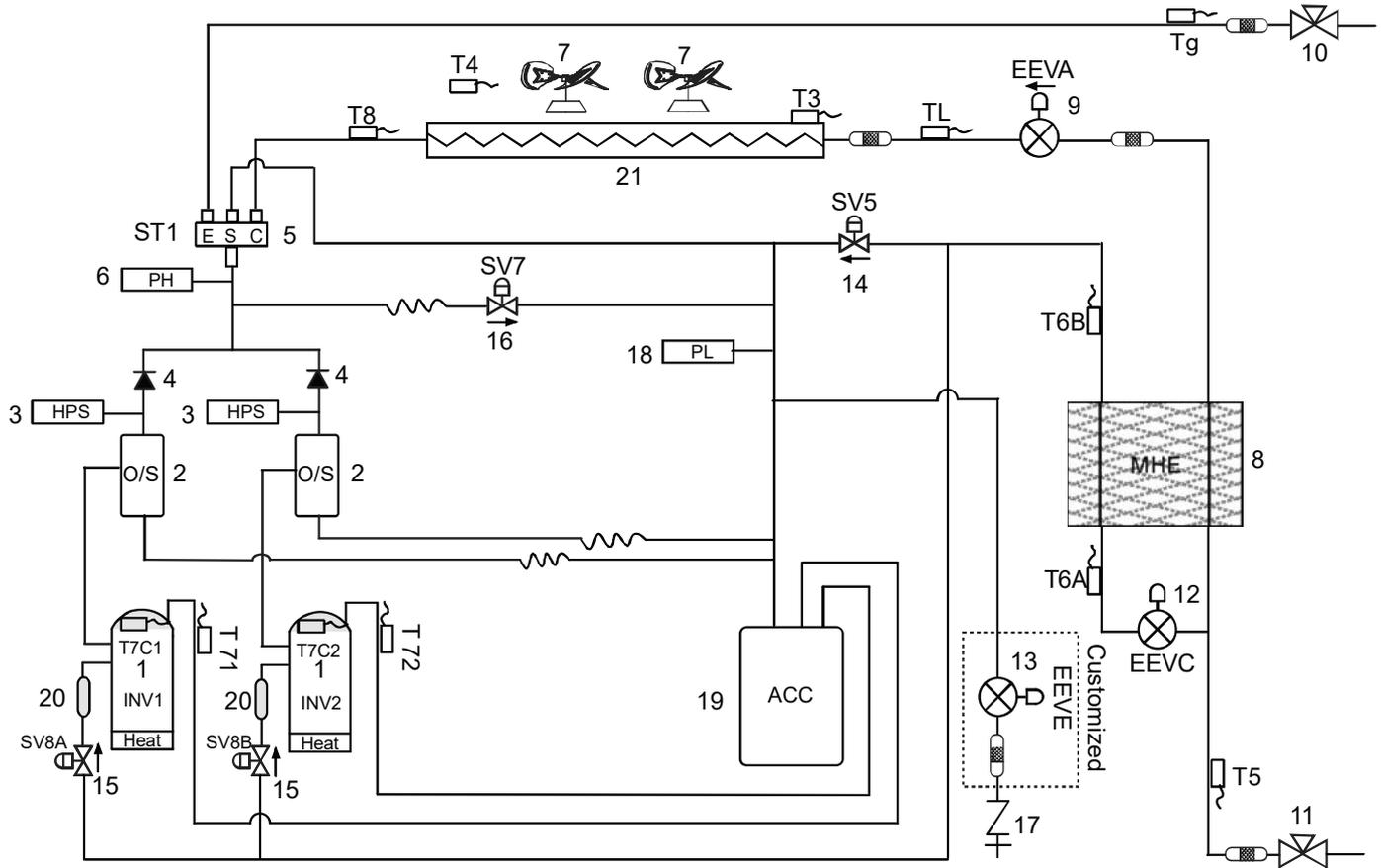


Legend	
No.	Parts name
1	Inverter Compressor
2	Oil separator
3	High pressure switch
4	Check value
5	Four-way valve(ST1)
6	High pressure sensor
7	Inverter Fan
8	Microchannel heat exchanger
9	Electronic expansion valve (EEVA)
10	Stop valve (gas side)
11	Stop valve (liquid side)
12	Electronic expansion valve (EEVC)
13	Electronic expansion valve (Optional EEVE)
14	Injection bypass solenoid valve (SV5)
15	Compressor vapor injection valve (SV8A)
16	Hot gas bypass solenoid valve (SV7)
17	Charge port
18	Low pressure sensor
19	Gas-liquid separator
20	Muffler
21	Heat exchanger
Sensor Code	Description
T3	Main exchanger pipe temperature sensor
T4	Outdoor ambient temperature sensor
T5	Liquid pipe temperature sensor
T6A	Microchannel heat exchanger inlet pipe temperature sensor
T6B	Microchannel heat exchanger outlet pipe temperature sensor
T71	Suction temperature sensor
T8	Heat exchanger gas temperature sensor
Tg	Gas pipe temperature sensor
TL	Heat exchanger liquid temperature sensor
T7C1	Compressor discharge temperature sensor
Tb	Electric control box chamber temperature sensor

# HV8SO VRF 50Hz

## 18-24HP

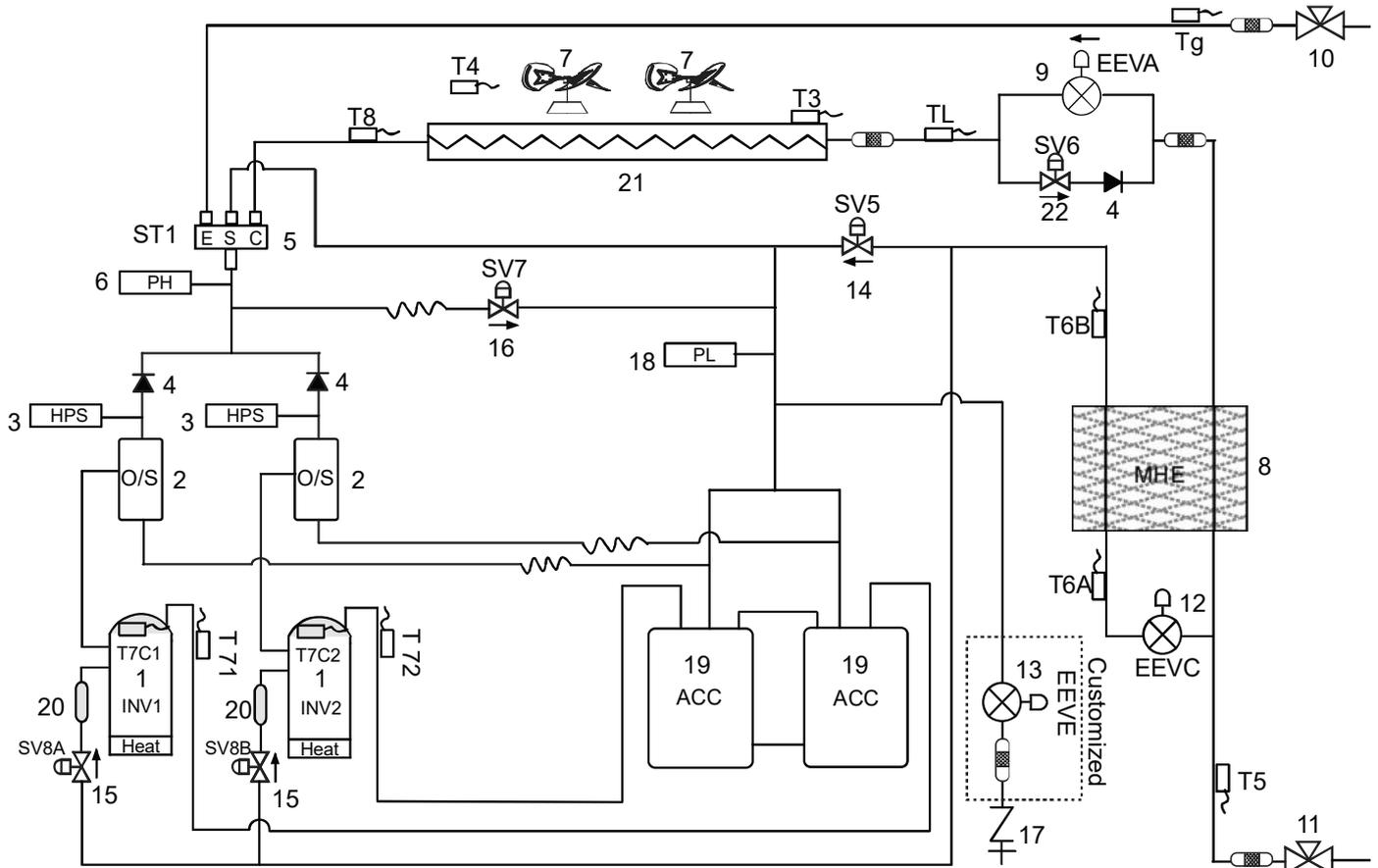
Figure 2-4.2: 18-24HP piping diagram



Legend	
No.	Parts name
1	Inverter Compressor
2	Oil separator
3	High pressure switch
4	Check value
5	Four-way valve(ST1)
6	High pressure sensor
7	Inverter Fan
8	Microchannel heat exchanger
9	Electronic expansion valve (EEVA/EEVB)
10	Stop valve (gas side)
11	Stop valve (liquid side)
12	Electronic expansion valve (EEVC)
13	Electronic expansion valve (Optional EEVE)
14	Injection bypass solenoid valve (SV5)
15	Compressor vapor injection valve (SV8A/B)
16	Hot gas bypass solenoid valve (SV7)
17	Charge port
18	Low pressure sensor
19	Gas-liquid separator
20	Muffler
21	Heat exchanger
Sensor Code	Description
T3	Main exchanger pipe temperature sensor
T4	Outdoor ambient temperature sensor
T5	Liquid pipe temperature sensor
T6A	Microchannel heat exchanger inlet pipe temperature sensor
T6B	Microchannel heat exchanger outlet pipe temperature sensor
T71/T72	Suction temperature sensor
T8	Heat exchanger gas temperature sensor
Tg	Gas pipe temperature sensor
TL	Heat exchanger liquid temperature sensor
T7C1/T7C2	Compressor discharge temperature sensor
Tb	Electric control box chamber temperature sensor

26-32HP

Figure 2-4.3: 26-32HP piping diagram



Legend		Legend	
No.	Parts name	No.	Parts name
1	Inverter Compressor	18	Low pressure sensor
2	Oil separator	19	Gas-liquid separator
3	High pressure switch	20	Muffler
4	Check value	21	Heat exchanger
5	Four-way valve(ST1)	22	Liquid bypass valve(SV6)
6	High pressure sensor	<b>Sensor Code</b>	<b>Description</b>
7	Inverter Fan	T3	Main exchanger pipe temperature sensor
8	Microchannel heat exchanger	T4	Outdoor ambient temperature sensor
9	Electronic expansion valve (EEVA/EEVB)	T5	Liquid pipe temperature sensor
10	Stop valve (gas side)	T6A	Microchannel heat exchanger inlet pipe temperature sensor
11	Stop valve (liquid side)	T6B	Microchannel heat exchanger outlet pipe temperature sensor
12	Electronic expansion valve (EEVC)	T71/T72	Suction temperature sensor
13	Electronic expansion valve (Optional EEVE)	T8	Heat exchanger gas temperature sensor
14	Injection bypass solenoid valve (SV5)	Tg	Gas pipe temperature sensor
15	Compressor vapor injection valve (SV8A/B)	TL	Heat exchanger liquid temperature sensor
16	Hot gas bypass solenoid valve (SV7)	T7C1/T7C2	Compressor discharge temperature sensor
17	Charge port	Tb	Electric control box chamber temperature sensor

## HV8SO VRF 50Hz

### Key components:

- 1. Oil separator:**

Separates oil from gas refrigerant pumped out of the compressor and quickly returns it to the compressor. Separation efficiency is up to 99%.
- 2. Gas-liquid separator:**

Separates liquid refrigerant from gas refrigerant, stores liquid refrigerant and oil to protect compressor from liquid hammering.
- 3. Electronic expansion valve (EEVA):**

Controls refrigerant flow and reduces refrigerant pressure.
- 4. Four-way valve:**

Controls heat exchanger function. When open, the heat exchanger functions as an evaporator; when closed, the heat exchanger functions as a condenser.
- 5. Microchannel heat exchanger:**

In cooling mode, it can improve super-cooling degree and the super-cooled refrigerant can achieve better heat exchange in indoor side. In heating mode, the refrigerant comes from the microchannel heat exchanger going to the compressor can increase the refrigerant volume and improve the heating capacity in low ambient temperature. Refrigerant volume in microchannel heat exchanger is controlled according to temperature different between microchannel heat exchanger inlet and outlet or the temperature different between discharge temperature and target discharge temperature.
- 6. Solenoid valve SV5:**

Controls the refrigerant from microchannel heat exchanger to gas-liquid separator.
- 7. Solenoid valve SV6:**

Allows refrigerant to bypass the expansion valves. Opens in cooling mode when discharge temperature exceeds the limit. Closed in heating mode and standby.
- 8. Solenoid valve SV7:**

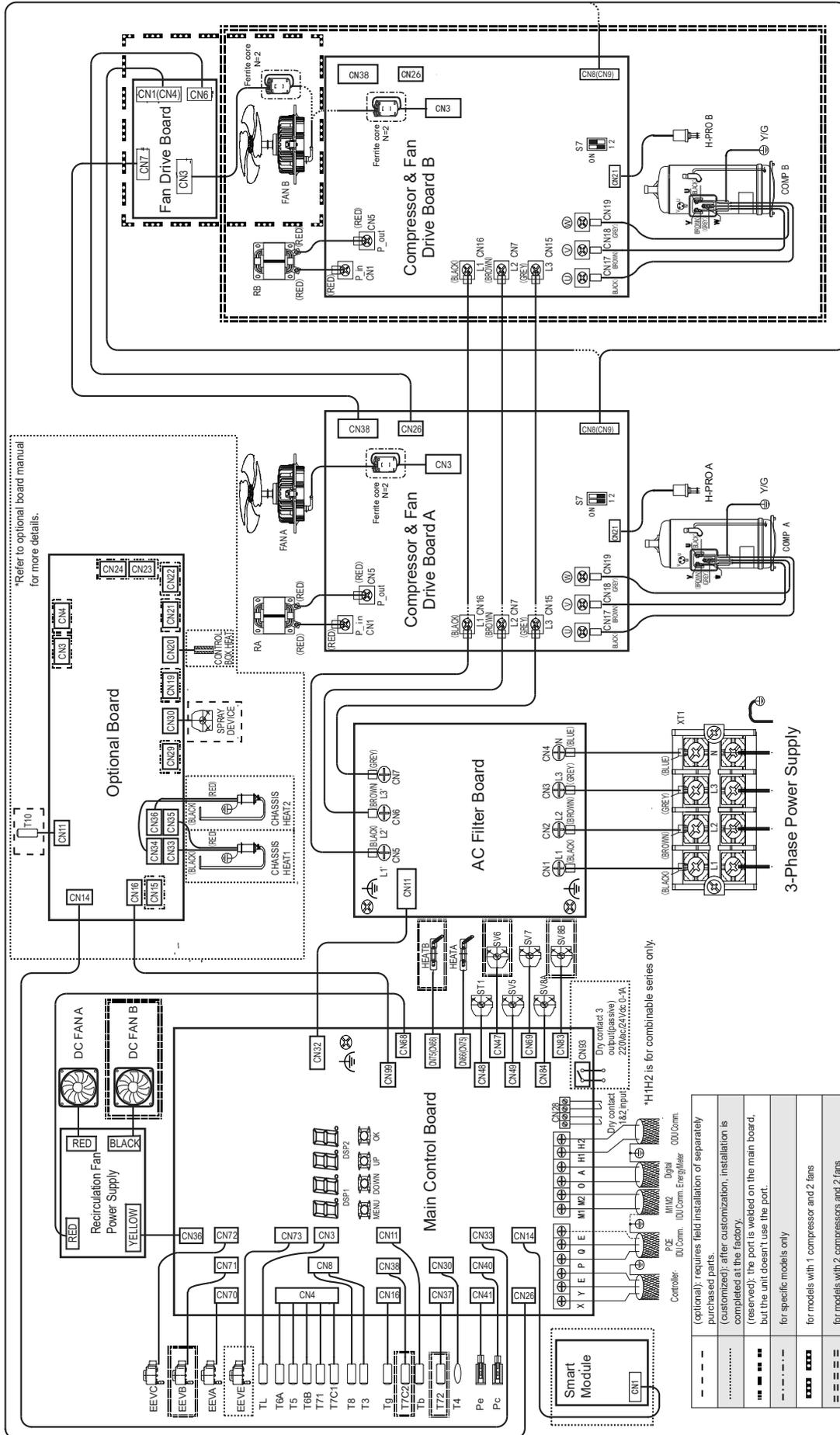
Bypass pressure at start-up stage and control capacity at low load condition; High-pressure-rise prevention; Discharge superheat protection.
- 9. Solenoid valve SV8A/B:**

Allows refrigerant from microchannel heat exchanger inject directly to the compressor. SV8A opens when compressor startup and closes when compressor stop.
- 10. High pressure switch:**

Regulate system pressure. When system pressure rises above the upper limit, the high pressure switch turn off, stopping the compressor. When the high pressure protection recovers, the compressor restarts.
- 11. High/Low pressure sensor**

Used to detect the system high/low pressure.

5 Wiring Diagrams



Refer to optional board manual for more details.

---	(optional): requires field installation of separately purchased parts.
.....	(customized): after customization, installation is completed at the factory.
---	(reserved): the port is welded on the main board, but the unit doesn't use the port.
---	for specific models only
---	for models with 1 compressor and 2 fans
---	for models with 2 compressors and 2 fans

\*H1H2 is for combinable series only.

Controller: PCE M1M2 Digital  
ID1Comm. ID2Comm. EnergyMeter CPU/Comm.

## HV8SO VRF 50Hz

Legend			
Code	Name	Code	Name
COMP A/ COMP B	Compressor	T3	Main exchanger pipe temperature sensor
EEVA/EEVC	Electronic expansion valve	T4	Outdoor ambient temperature sensor
FAN A/ FAN B	DC Fan	T5	Liquid pipe temperature sensor
DC FAN A/DC FAN B	Recirculation Fan	T6A	Microchannel heat exchanger inlet pipe temperature sensor
HEAT A/ HEAT B	Crankcase heater	T6B	Microchannel heat exchanger outlet pipe temperature sensor
RA/RB	Reactance	T71/T72	Suction temperature sensor
ST1	Four-way valve	T8	Heat exchanger gas temperature sensor
SV5-SV8A/B	Solenoid valve	Tg	Gas pipe temperature sensor
H-PRO A/ H-PRO B	High pressure switch	TL	Heat exchanger liquid temperature sensor
Pc	High pressure sensor	T7C1/T7C2	Compressor discharge temperature sensor
Pe	Low pressure sensor	Tb	Electric control box chamber temperature sensor
XT1	Terminal block		

## 6 Electrical Characteristics

Table 2-6.1: Outdoor unit electrical characteristics

Model				Power Supply <sup>1</sup>							Compressor		OFM	
Capacity	Modules			Hz	Volts	Min.	Max.	MCA <sup>2</sup>	TOCA <sup>3</sup>	MFA <sup>4</sup>	MSC <sup>5</sup>	RLA <sup>6</sup>	Power(kW)	FLA
						volts	volts	(A)	(A)	(A)				
8HP	-	-	-	50	380-415	342	440	17	20.7	20	-	12.7	0.56	1.7
10HP	-	-	-	50	380-415	342	440	18.8	22.5	25	-	13	0.56	1.7
12HP	-	-	-	50	380-415	342	440	23	26.8	32	-	17	0.56	1.8
14HP	-	-	-	50	380-415	342	440	26.2	31	32	-	26.8	0.92	2.8
16HP	-	-	-	50	380-415	342	440	31.4	36.2	40	-	31.2	0.92	3
18HP	-	-	-	50	380-415	342	440	33	38	40	-	17.9+17	0.56×2	1.8×2
20HP	-	-	-	50	380-415	342	440	40.5	39.5	50	-	18.5+17.7	0.56×2	1.8×2
22HP	-	-	-	50	380-415	342	440	41.5	47.1	50	-	20+19.2	0.56×2	2.0×2
24HP	-	-	-	50	380-415	342	440	46	52	63	-	22.7+22.2	0.56×2	2.0×2
26HP	-	-	-	50	380-415	342	440	51	54	63	-	20.3+20.2	0.92×2	2.1×2
28HP	-	-	-	50	380-415	342	440	51	57.4	63	-	21.7+22	0.92×2	2.1×2
30HP	-	-	-	50	380-415	342	440	56.8	63.2	80	-	24.5+24.8	0.92×2	2.2×2
32HP	-	-	-	50	380-415	342	440	57	63.4	80	-	25.5+25.8	0.92×2	2.2×2

Abbreviations:

MCA: Minimum Circuit Amps; TOCA: Total Over-current Amps; MFA: Maximum Fuse Amps; MSC: Maximum Starting Current (A); RLA: Rated Load Amps; FLA: Full Load Amps

Notes:

- Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits. Maximum allowable voltage variation between phases is 2%.
- Select wire size based on the value of MCA.
- TOCA indicates the total overcurrent amps value of each OC set.
- MFA is used to select overcurrent circuit breakers and residual-current circuit breakers.
- MSC indicates the maximum current on compressor start-up in amps.
- RLA is based on the following conditions: indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB

## 7 Functional Components and Safety Devices

Table 2-7.1: 8/10/12/14/16HP functional components and safety devices

Item		8HP	10HP	12HP	14HP	16HP
Compressor	Compressor top and discharge pipe temperature sensors	115°C = 5kΩ ± 3%				
	Crankcase heater	50W				
System	High pressure switch	Off: 4.2 (±0.1) MPa / On: 3.2 (±0.1) MPa				
	High pressure sensor	Output voltage (V) = 0.8696 × P + 0.5 (where P is the discharge pressure in MPa)				
	Low pressure sensor	Output voltage (V) = 2.0 × P + 0.5 (where P is the discharge pressure in MPa)				
	Heat exchanger temperature sensor	25°C = 10kΩ				
	Outdoor ambient temperature sensor	25°C = 10kΩ				

Table 2-7.2: 18/20/22/24/26HP functional components and safety devices

Item		18HP	20HP	22HP	24HP	26HP
Compressor	Compressor top and discharge pipe temperature sensors	115°C = 5kΩ ± 3%				
	Crankcase heater	50W×2				
System	High pressure switch	Off: 4.2 (±0.1) MPa / On: 3.2 (±0.1) MPa				
	High pressure sensor	Output voltage (V) = 0.8696 × P + 0.5 (where P is the discharge pressure in MPa)				
	Low pressure sensor	Output voltage (V) = 2.0 × P + 0.5 (where P is the discharge pressure in MPa)				
	Heat exchanger temperature sensor	25°C = 10kΩ				
	Outdoor ambient temperature sensor	25°C = 10kΩ				

Table 2-7.3: 28/30/32HP functional components and safety devices

Item		28HP	30HP	32HP
Compressor	Compressor top and discharge pipe temperature sensors	115°C = 5kΩ ± 3%		
	Crankcase heater	50W×2		
System	High pressure switch	Off: 4.2 (±0.1) MPa / On: 3.2 (±0.1) MPa		
	High pressure sensor	Output voltage (V) = 0.8696 × P + 0.5 (where P is the discharge pressure in MPa)		
	Low pressure sensor	Output voltage (V) = 2.0 × P + 0.5 (where P is the discharge pressure in MPa)		
	Heat exchanger temperature sensor	25°C = 10kΩ		
	Outdoor ambient temperature sensor	25°C = 10kΩ		

## 8 Capacity Tables

### 8.1 Cooling Capacity Tables

Table2-8.1:8HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
130%	-15	22.78	2.80	27.21	3.42	31.51	3.66	33.10	3.85	34.06	3.88	35.08	4.26	36.01	4.27
	-10	22.78	3.02	27.21	3.70	31.51	3.96	33.10	4.15	34.06	4.19	35.08	4.59	36.01	4.62
	-5	22.78	3.26	27.21	4.00	31.51	4.27	33.10	4.49	34.06	4.54	35.08	4.96	36.01	5.00
	-2	22.78	3.26	27.21	4.06	31.51	4.28	33.10	4.51	34.06	4.54	35.08	5.04	36.01	5.04
	0	22.78	3.32	27.21	4.13	31.51	4.43	33.10	4.76	34.06	4.81	35.08	5.08	36.01	5.11
	2	22.78	3.38	27.21	4.15	31.51	4.57	33.10	5.02	34.06	4.85	35.08	5.11	36.01	5.20
	4	22.78	3.45	27.21	4.22	31.51	4.74	33.10	5.06	34.06	4.92	35.08	5.20	36.01	5.29
	6	22.78	3.52	27.21	4.31	31.51	4.91	33.10	5.10	33.65	5.07	34.67	5.28	35.60	5.32
	8	22.78	3.60	27.21	4.41	31.51	5.16	33.10	5.34	33.24	5.24	34.26	5.28	35.08	5.39
	10	22.78	3.69	27.21	4.50	31.51	5.36	33.10	5.52	32.83	5.33	33.85	5.38	34.67	5.54
	12	22.78	3.75	27.21	4.60	31.51	5.45	32.58	5.61	32.53	5.41	33.44	5.47	34.26	5.58
	14	22.78	3.83	27.21	4.67	31.41	5.53	32.26	5.70	32.02	5.51	33.03	5.55	33.85	5.70
	16	22.78	3.89	27.21	4.77	31.00	5.62	31.74	5.76	31.61	5.67	32.61	5.62	33.44	5.79
	18	22.78	3.97	27.21	4.86	30.59	5.71	31.33	5.79	31.20	5.73	32.20	5.81	33.03	5.87
	20	22.78	4.04	27.21	5.18	30.07	5.98	30.91	6.07	30.79	6.00	31.79	6.11	32.61	6.15
	21	22.78	4.17	27.21	5.37	29.97	6.11	30.70	6.23	30.58	6.13	31.59	6.24	32.41	6.30
	23	22.78	4.45	27.21	5.74	29.56	6.40	30.29	6.49	30.07	6.41	31.07	6.51	31.89	6.60
	25	22.78	4.76	27.21	6.16	29.14	6.68	29.77	6.77	29.77	6.71	30.76	6.80	31.59	6.86
	27	22.78	5.10	27.21	6.58	28.73	6.95	29.45	7.08	29.25	6.98	30.25	7.12	31.07	7.19
	29	22.78	5.42	27.21	7.05	28.22	7.24	28.93	7.36	28.95	7.27	29.94	7.39	30.76	7.46
	31	22.78	5.80	27.11	7.45	27.81	7.52	28.52	7.66	28.44	7.56	29.43	7.68	30.25	7.76
	33	22.78	6.18	26.60	7.73	27.39	7.82	28.10	7.95	28.03	7.82	29.12	7.96	29.84	8.07
	35	22.78	6.57	26.18	8.01	26.98	8.10	27.69	8.22	27.62	8.12	28.60	8.28	29.43	8.35
	37	22.78	7.00	25.77	8.32	26.57	8.40	27.27	8.52	27.21	8.44	28.19	8.57	29.01	8.69
	39	22.78	7.47	25.36	8.37	26.16	8.67	26.85	8.83	26.80	8.72	27.78	8.88	28.60	8.97
41	22.78	7.84	25.05	8.47	25.85	8.77	26.64	8.90	26.49	8.79	27.47	8.89	27.47	9.06	
43	22.78	8.04	24.84	8.51	25.75	8.77	26.44	8.95	26.29	8.81	26.96	8.90	27.16	9.08	
46	22.78	8.46	24.74	8.60	25.44	8.85	26.23	8.98	25.88	8.85	26.24	8.93	26.65	9.26	
48	22.78	8.71	24.64	8.87	25.03	8.95	25.81	9.08	25.57	8.94	25.62	9.09	26.03	9.29	
50	20.50	8.04	22.17	8.16	22.52	8.23	23.23	8.35	23.01	8.25	23.06	8.35	23.43	8.54	
52	16.40	6.59	17.74	6.69	18.02	6.71	18.58	6.83	18.41	6.74	18.45	6.83	18.74	6.97	
55	11.48	4.70	12.42	4.77	12.61	4.82	13.01	4.88	12.89	4.81	12.91	4.89	13.12	5.00	
120%	-15	21.25	2.74	25.00	3.27	29.45	3.90	31.10	4.23	32.43	4.37	33.72	4.58	34.06	4.65
	-10	21.25	2.96	25.00	3.52	29.45	4.21	31.10	4.56	32.43	4.71	33.72	4.96	34.06	5.03
	-5	21.25	3.19	25.00	3.81	29.45	4.55	31.10	4.93	32.43	5.09	33.72	5.35	34.06	5.44
	-2	21.25	3.22	25.00	3.85	29.45	4.60	31.10	4.94	32.43	5.17	33.72	5.39	34.06	5.45
	0	21.25	3.25	25.00	3.88	29.45	4.66	31.10	4.96	32.43	5.19	33.72	5.43	34.06	5.45
	2	21.25	3.27	25.00	3.93	29.45	4.70	31.10	5.02	32.43	5.23	33.72	5.48	34.06	5.48
	4	21.25	3.29	25.00	3.96	29.45	4.75	31.10	5.04	32.43	5.30	33.72	5.49	34.06	5.49
	6	21.25	3.32	25.00	3.99	29.45	4.82	31.10	5.12	32.43	5.35	33.72	5.53	34.06	5.52
	8	21.25	3.35	25.00	4.03	29.45	4.88	31.10	5.19	32.43	5.40	33.72	5.54	34.06	5.52
	10	21.25	3.39	25.00	4.09	29.45	4.92	31.10	5.26	32.43	5.40	33.72	5.55	34.06	5.56
	12	21.25	3.47	25.00	4.18	29.45	5.02	31.10	5.37	31.91	5.41	33.20	5.52	33.64	5.59
	14	21.25	3.53	25.00	4.25	29.45	5.11	31.10	5.48	31.50	5.45	32.89	5.62	33.23	5.67
	16	21.25	3.58	25.00	4.35	29.45	5.21	31.00	5.58	31.10	5.55	32.37	5.70	32.82	5.74
	18	21.25	3.66	25.00	4.43	29.45	5.41	30.48	5.70	30.69	5.68	31.95	5.84	32.41	5.84
	20	21.25	3.73	25.00	4.60	29.45	5.82	30.07	5.97	30.28	5.95	31.54	6.11	32.00	6.12
	21	21.25	3.77	25.00	4.76	29.45	6.02	29.87	6.11	29.97	6.09	31.43	6.26	31.79	6.24
	23	21.25	4.01	25.00	5.09	29.45	6.44	29.45	6.39	29.66	6.37	30.91	6.55	31.28	6.55
	25	21.25	4.31	25.00	5.45	28.93	6.72	29.04	6.68	29.15	6.65	30.50	6.84	30.97	6.83
	27	21.25	4.58	25.00	5.83	28.52	7.00	28.63	6.95	28.85	6.94	30.08	7.13	30.45	7.11
	29	21.25	4.90	25.00	6.22	28.10	7.28	28.22	7.23	28.33	7.23	29.56	7.44	30.04	7.40
	31	21.25	5.24	25.00	6.64	27.58	7.56	27.81	7.51	28.03	7.49	29.25	7.73	29.63	7.70
	33	21.25	5.57	25.00	7.09	27.27	7.84	27.29	7.81	27.52	7.79	28.73	8.03	29.12	8.02
	35	21.25	5.91	25.00	7.55	26.75	8.14	26.88	8.09	27.11	8.08	28.41	8.31	28.81	8.30
	37	21.25	6.30	25.00	8.07	26.44	8.43	26.47	8.39	26.70	8.35	27.89	8.60	28.29	8.60
	39	21.25	6.70	24.90	8.53	25.92	8.71	26.06	8.67	26.29	8.67	27.58	8.90	27.98	8.89
41	21.25	6.88	24.69	8.57	25.71	8.78	25.85	8.72	26.08	8.72	27.37	8.95	27.16	8.95	
43	21.25	6.99	24.59	8.61	25.50	8.84	25.64	8.78	25.88	8.76	26.85	8.96	26.75	9.13	
46	21.25	7.07	24.49	8.70	25.29	8.89	25.33	8.85	25.57	8.80	26.33	8.98	26.44	9.34	
48	21.25	7.10	24.28	8.79	24.98	9.00	24.92	8.90	25.37	8.90	25.92	9.09	26.13	9.46	
50	19.13	6.56	21.85	8.09	22.48	8.26	22.43	8.20	22.83	8.20	23.32	8.34	23.52	8.69	
52	15.30	5.36	17.48	6.63	17.98	6.76	17.94	6.68	18.26	6.69	18.66	6.82	18.82	7.10	
55	10.71	3.83	12.24	4.75	12.59	4.84	12.56	4.79	12.79	4.79	13.06	4.89	13.17	5.08	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes: Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table2-8.1:8HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	19.07	2.34	22.97	2.93	26.44	3.47	28.80	3.79	30.67	4.09	33.13	4.24	33.24	4.30
	-10	19.07	2.53	22.97	3.17	26.44	3.75	28.80	4.11	30.67	4.41	33.13	4.59	33.24	4.66
	-5	19.07	2.73	22.97	3.42	26.44	4.05	28.80	4.43	30.67	4.77	33.13	4.95	33.24	5.02
	-2	19.07	2.78	22.97	3.47	26.44	4.07	28.80	4.47	30.67	4.80	33.13	5.00	33.24	5.05
	0	19.07	2.81	22.97	3.49	26.44	4.13	28.80	4.50	30.67	4.85	33.13	5.05	33.24	5.10
	2	19.07	2.86	22.97	3.52	26.44	4.18	28.80	4.54	30.67	4.90	33.13	5.13	33.24	5.16
	4	19.07	2.93	22.97	3.57	26.44	4.22	28.80	4.61	30.67	5.00	33.13	5.20	33.24	5.22
	6	19.07	2.96	22.97	3.60	26.44	4.26	28.80	4.68	30.67	5.03	33.13	5.25	33.24	5.29
	8	19.07	2.99	22.97	3.67	26.44	4.30	28.80	4.72	30.67	5.09	33.13	5.30	33.24	5.37
	10	19.07	3.02	22.97	3.71	26.44	4.38	28.80	4.81	30.67	5.19	33.13	5.34	33.24	5.40
	12	19.07	3.08	22.97	3.78	26.44	4.46	28.80	4.91	30.67	5.29	32.71	5.40	32.73	5.46
	14	19.07	3.14	22.97	3.86	26.44	4.54	28.80	5.00	30.67	5.39	32.30	5.45	32.43	5.50
	16	19.07	3.19	22.97	3.93	26.44	4.63	28.80	5.10	30.67	5.48	31.88	5.52	31.91	5.56
	18	19.07	3.24	22.97	4.00	26.44	4.73	28.80	5.23	30.67	5.76	31.46	5.79	31.61	5.76
	20	19.07	3.31	22.97	4.09	26.44	5.01	28.80	5.62	30.26	6.03	31.05	6.08	31.10	6.01
	21	19.07	3.34	22.97	4.21	26.44	5.17	28.80	5.84	30.05	6.16	30.73	6.21	30.89	6.16
	23	19.07	3.50	22.97	4.50	26.44	5.55	28.80	6.26	29.53	6.44	30.42	6.52	30.48	6.47
	25	19.07	3.73	22.97	4.81	26.44	5.92	28.80	6.69	29.22	6.71	29.90	6.81	30.07	6.74
	27	19.07	3.99	22.97	5.14	26.44	6.36	28.39	6.99	28.70	6.99	29.59	7.08	29.66	7.00
	29	19.07	4.26	22.97	5.50	26.44	6.81	27.97	7.25	28.39	7.30	29.07	7.39	29.25	7.31
	31	19.07	4.54	22.97	5.87	26.44	7.26	27.55	7.55	27.87	7.58	28.65	7.66	28.85	7.59
	33	19.07	4.82	22.97	6.27	26.24	7.65	27.14	7.84	27.55	7.88	28.23	7.97	28.44	7.90
	35	19.07	5.14	22.97	6.64	25.83	7.93	26.72	8.11	27.03	8.15	27.71	8.26	28.03	8.15
	37	19.07	5.46	22.97	7.10	25.42	8.21	26.31	8.39	26.62	8.44	27.40	8.56	27.52	8.47
	39	19.07	5.78	22.97	7.57	25.01	8.49	25.79	8.69	26.20	8.75	26.88	8.84	27.21	8.75
	41	19.07	5.85	22.97	7.61	24.81	8.55	25.58	8.76	26.00	8.80	26.57	8.92	26.39	8.84
	43	19.07	5.90	22.97	7.72	24.60	8.59	25.48	8.81	25.79	8.85	26.36	8.92	25.98	9.02
	46	19.07	6.12	22.97	7.77	24.40	8.67	25.16	8.93	25.58	8.94	26.04	9.18	25.67	9.19
	48	19.07	6.30	22.97	8.37	23.99	8.72	24.75	8.97	25.27	8.99	25.63	9.21	25.37	9.30
	50	17.16	5.81	20.67	7.71	21.59	8.01	22.27	8.26	22.74	8.28	23.07	8.47	22.83	8.56
52	13.73	4.76	16.54	6.31	17.27	6.55	17.82	6.75	18.19	6.78	18.45	6.93	18.26	7.00	
55	9.61	3.40	11.57	4.52	12.09	4.69	12.47	4.82	12.73	4.85	12.92	4.96	12.79	5.01	
100%	-15	17.15	2.10	20.50	2.53	24.02	3.05	25.20	3.24	27.04	3.51	30.61	4.03	32.53	4.22
	-10	17.15	2.28	20.50	2.74	24.02	3.29	25.20	3.50	27.04	3.79	30.61	4.34	32.53	4.56
	-5	17.15	2.46	20.50	2.95	24.02	3.55	25.20	3.78	27.04	4.09	30.61	4.69	32.53	4.92
	-2	17.15	2.48	20.50	3.00	24.02	3.58	25.20	3.84	27.04	4.14	30.61	4.76	32.53	4.94
	0	17.15	2.51	20.50	3.03	24.02	3.63	25.20	3.89	27.04	4.19	30.61	4.84	32.53	5.01
	2	17.15	2.56	20.50	3.07	24.02	3.66	25.20	3.95	27.04	4.24	30.61	4.91	32.53	5.09
	4	17.15	2.58	20.50	3.10	24.02	3.73	25.20	4.00	27.04	4.29	30.61	4.95	32.53	5.13
	6	17.15	2.61	20.50	3.16	24.02	3.76	25.20	4.07	27.04	4.34	30.61	5.01	32.53	5.23
	8	17.15	2.66	20.50	3.21	24.02	3.85	25.20	4.12	27.04	4.42	30.61	5.09	32.53	5.31
	10	17.15	2.70	20.50	3.26	24.02	3.90	25.20	4.19	27.04	4.50	30.61	5.19	32.53	5.38
	12	17.15	2.74	20.50	3.33	24.02	3.97	25.20	4.27	27.04	4.59	30.61	5.29	32.02	5.42
	14	17.15	2.79	20.50	3.40	24.02	4.06	25.20	4.35	27.04	4.67	30.61	5.37	31.62	5.48
	16	17.15	2.85	20.50	3.46	24.02	4.13	25.20	4.43	27.04	4.76	30.51	5.45	31.21	5.56
	18	17.15	2.89	20.50	3.53	24.02	4.22	25.20	4.51	27.04	4.86	30.10	5.64	30.80	5.70
	20	17.15	2.95	20.50	3.61	24.02	4.34	25.20	4.75	27.04	5.20	29.69	5.88	30.39	5.98
	21	17.15	2.98	20.50	3.63	24.02	4.49	25.20	4.92	27.04	5.39	29.49	6.04	30.19	6.09
	23	17.15	3.05	20.50	3.87	24.02	4.80	25.20	5.27	27.04	5.76	29.08	6.30	29.78	6.37
	25	17.15	3.26	20.50	4.13	24.02	5.15	25.20	5.65	27.04	6.19	28.68	6.59	29.37	6.66
	27	17.15	3.48	20.50	4.41	24.02	5.50	25.20	6.03	27.04	6.63	28.17	6.86	28.97	6.94
	29	17.15	3.69	20.50	4.71	24.02	5.89	25.20	6.45	26.94	7.05	27.86	7.15	28.56	7.23
	31	17.15	3.94	20.50	5.02	24.02	6.29	25.20	6.88	26.64	7.29	27.36	7.42	28.05	7.49
	33	17.15	4.18	20.50	5.34	24.02	6.70	25.20	7.34	26.13	7.58	27.05	7.68	27.74	7.78
	35	17.15	4.45	20.50	5.69	24.02	7.14	25.20	7.84	25.73	7.84	26.54	8.00	27.23	8.07
	37	17.15	4.73	20.50	6.06	24.02	7.60	24.70	8.11	25.32	8.15	26.13	8.29	26.82	8.36
	39	17.15	5.02	20.50	6.44	24.02	8.10	24.40	8.37	24.92	8.41	25.73	8.55	26.42	8.65
	41	17.15	5.27	20.50	6.65	24.02	8.39	24.00	8.45	24.72	8.53	25.32	8.77	26.01	8.84
	43	17.15	5.49	20.50	6.90	24.02	8.55	23.60	8.55	24.52	8.63	25.42	8.80	25.60	8.96
	46	17.15	5.82	20.50	7.20	24.02	8.70	23.10	8.66	24.42	8.78	25.22	8.93	25.09	9.05
	48	17.15	6.07	20.50	7.45	24.02	8.72	22.20	8.75	24.32	8.92	23.69	9.02	24.48	9.16
	50	15.44	5.58	18.45	6.88	21.62	8.00	19.98	8.06	21.88	8.21	21.32	8.31	22.03	8.41
52	12.35	4.55	14.76	5.63	17.30	6.55	15.98	6.59	17.51	6.72	17.06	6.80	17.62	6.88	
55	8.64	3.26	10.33	4.03	12.11	4.70	11.19	4.71	12.26	4.82	11.94	4.88	12.34	4.93	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.1:8HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	15.76	1.89	18.72	2.27	22.09	2.72	23.45	2.95	25.11	3.16	28.18	3.62	30.67	4.07
	-10	15.76	2.04	18.72	2.45	22.09	2.94	23.45	3.18	25.11	3.41	28.18	3.92	30.67	4.40
	-5	15.76	2.21	18.72	2.64	22.09	3.17	23.45	3.43	25.11	3.69	28.18	4.23	30.67	4.74
	-2	15.76	2.24	18.72	2.67	22.09	3.21	23.45	3.48	25.11	3.74	28.18	4.26	30.67	4.80
	0	15.76	2.27	18.72	2.70	22.09	3.26	23.45	3.52	25.11	3.79	28.18	4.33	30.67	4.83
	2	15.76	2.30	18.72	2.73	22.09	3.30	23.45	3.58	25.11	3.83	28.18	4.41	30.67	4.90
	4	15.76	2.34	18.72	2.78	22.09	3.35	23.45	3.62	25.11	3.89	28.18	4.47	30.67	4.97
	6	15.76	2.38	18.72	2.84	22.09	3.41	23.45	3.69	25.11	3.95	28.18	4.54	30.67	5.05
	8	15.76	2.42	18.72	2.89	22.09	3.48	23.45	3.75	25.11	4.02	28.18	4.63	30.67	5.11
	10	15.76	2.46	18.72	2.94	22.09	3.56	23.45	3.79	25.11	4.12	28.18	4.69	30.67	5.17
	12	15.76	2.51	18.72	3.00	22.09	3.62	23.45	3.87	25.11	4.18	28.18	4.78	30.67	5.29
	14	15.76	2.55	18.72	3.06	22.09	3.67	23.45	3.94	25.11	4.27	28.18	4.85	30.67	5.38
	16	15.76	2.60	18.72	3.10	22.09	3.75	23.45	4.02	25.11	4.35	28.18	4.98	30.57	5.46
	18	15.76	2.63	18.72	3.17	22.09	3.82	23.45	4.10	25.11	4.44	28.18	5.06	30.16	5.65
	20	15.76	2.69	18.72	3.25	22.09	3.89	23.45	4.17	25.11	4.61	28.18	5.44	29.75	5.89
	21	15.76	2.71	18.72	3.27	22.09	3.96	23.45	4.31	25.11	4.77	28.18	5.65	29.55	6.05
	23	15.76	2.77	18.72	3.40	22.09	4.25	23.45	4.62	25.11	5.11	28.18	6.04	29.04	6.33
	25	15.76	2.92	18.72	3.64	22.09	4.53	23.45	4.94	25.11	5.45	28.18	6.46	28.73	6.61
	27	15.76	3.09	18.72	3.86	22.09	4.83	23.45	5.29	25.11	5.86	28.18	6.92	28.22	6.88
	29	15.76	3.30	18.72	4.12	22.09	5.17	23.45	5.65	25.11	6.26	27.87	7.23	27.92	7.15
	31	15.76	3.51	18.72	4.39	22.09	5.50	23.45	6.04	25.11	6.64	27.45	7.51	27.41	7.46
	33	15.76	3.71	18.72	4.66	22.09	5.87	23.45	6.42	25.11	7.11	27.03	7.80	27.00	7.73
	35	15.76	3.96	18.72	4.97	22.09	6.25	23.45	6.83	25.11	7.58	26.62	8.11	26.59	8.01
	37	15.76	4.19	18.72	5.27	22.09	6.65	23.45	7.28	25.11	8.07	26.10	8.37	26.19	8.28
	39	15.76	4.44	18.72	5.62	22.09	7.09	23.45	7.74	25.11	8.59	25.79	8.68	25.78	8.58
41	15.76	4.60	18.72	5.86	22.09	7.35	23.45	7.97	25.11	8.67	25.58	8.88	25.57	8.79	
43	15.76	4.82	18.72	6.11	22.09	7.62	23.45	8.17	25.11	8.82	25.48	9.03	25.37	8.91	
46	15.76	5.15	18.72	6.42	22.09	7.92	23.45	8.46	25.11	9.09	25.27	9.12	24.96	9.03	
48	15.76	5.41	18.72	6.73	22.09	8.20	23.45	8.56	25.11	9.17	25.06	9.24	24.35	9.16	
50	14.18	5.00	16.85	6.19	19.88	7.55	21.10	7.87	22.60	8.42	22.55	8.48	21.92	8.43	
52	11.34	4.08	13.48	5.08	15.90	6.19	16.88	6.43	18.08	6.90	18.04	6.96	17.53	6.89	
55	7.94	2.93	9.43	3.63	11.13	4.41	11.82	4.60	12.65	4.94	12.63	4.97	12.27	4.94	
80%	-15	13.88	1.66	16.83	1.99	19.17	2.32	20.98	2.52	22.42	2.71	24.56	3.07	27.55	3.55
	-10	13.88	1.79	16.83	2.16	19.17	2.50	20.98	2.72	22.42	2.93	24.56	3.32	27.55	3.84
	-5	13.88	1.94	16.83	2.33	19.17	2.70	20.98	2.93	22.42	3.17	24.56	3.59	27.55	4.13
	-2	13.88	1.97	16.83	2.35	19.17	2.73	20.98	2.99	22.42	3.19	24.56	3.61	27.55	4.17
	0	13.88	1.99	16.83	2.38	19.17	2.76	20.98	3.01	22.42	3.26	24.56	3.66	27.55	4.24
	2	13.88	2.04	16.83	2.42	19.17	2.81	20.98	3.07	22.42	3.31	24.56	3.73	27.55	4.32
	4	13.88	2.07	16.83	2.46	19.17	2.86	20.98	3.15	22.42	3.37	24.56	3.82	27.55	4.38
	6	13.88	2.10	16.83	2.51	19.17	2.89	20.98	3.21	22.42	3.44	24.56	3.87	27.55	4.46
	8	13.88	2.14	16.83	2.57	19.17	2.97	20.98	3.25	22.42	3.52	24.56	3.92	27.55	4.54
	10	13.88	2.16	16.83	2.63	19.17	3.05	20.98	3.35	22.42	3.59	24.56	4.00	27.55	4.59
	12	13.88	2.19	16.83	2.69	19.17	3.10	20.98	3.41	22.42	3.67	24.56	4.09	27.55	4.68
	14	13.88	2.24	16.83	2.73	19.17	3.15	20.98	3.46	22.42	3.74	24.56	4.15	27.55	4.77
	16	13.88	2.27	16.83	2.78	19.17	3.22	20.98	3.53	22.42	3.80	24.56	4.25	27.55	4.84
	18	13.88	2.32	16.83	2.83	19.17	3.28	20.98	3.61	22.42	3.88	24.56	4.34	27.55	4.93
	20	13.88	2.35	16.83	2.89	19.17	3.35	20.98	3.66	22.42	3.95	24.56	4.49	27.55	5.27
	21	13.88	2.38	16.83	2.91	19.17	3.38	20.98	3.71	22.42	4.05	24.56	4.64	27.55	5.48
	23	13.88	2.42	16.83	2.97	19.17	3.55	20.98	3.94	22.42	4.33	24.56	4.98	27.55	5.88
	25	13.88	2.50	16.83	3.15	19.17	3.78	20.98	4.22	22.42	4.62	24.56	5.33	27.55	6.29
	27	13.88	2.66	16.83	3.37	19.17	4.02	20.98	4.49	22.42	4.94	24.56	5.69	27.55	6.72
	29	13.88	2.82	16.83	3.58	19.17	4.29	20.98	4.80	22.42	5.27	24.56	6.08	27.55	7.21
	31	13.88	3.00	16.83	3.80	19.17	4.57	20.98	5.10	22.42	5.61	24.56	6.50	27.14	7.47
	33	13.88	3.19	16.83	4.05	19.17	4.88	20.98	5.44	22.42	5.98	24.56	6.90	26.72	7.76
	35	13.88	3.39	16.83	4.31	19.17	5.18	20.98	5.79	22.42	6.38	24.56	7.36	26.31	8.03
	37	13.88	3.58	16.83	4.56	19.17	5.51	20.98	6.17	22.42	6.79	24.56	7.86	25.90	8.30
	39	13.88	3.80	16.83	4.89	19.17	5.86	20.98	6.57	22.42	7.23	24.56	8.37	25.49	8.59
41	13.88	3.88	16.83	4.91	19.17	5.94	20.98	6.74	22.42	7.36	24.56	8.61	25.28	8.76	
43	13.88	3.99	16.83	4.97	19.17	6.02	20.98	6.86	22.42	7.47	24.56	8.68	25.18	8.85	
46	13.88	4.11	16.83	5.02	19.17	6.15	20.98	6.99	22.42	7.58	24.56	8.80	24.87	8.99	
48	13.88	4.23	16.83	5.04	19.17	6.24	20.98	7.11	22.42	7.66	24.56	8.86	24.66	9.11	
50	12.50	3.90	15.15	4.64	17.26	5.74	18.89	6.53	20.18	7.05	22.10	8.16	22.19	8.38	
52	10.00	3.20	12.12	3.80	13.81	4.70	15.11	5.35	16.14	5.76	17.68	6.69	17.76	6.85	
55	7.00	2.28	8.48	2.72	9.66	3.37	10.58	3.82	11.30	4.13	12.38	4.78	12.43	4.90	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.1: 8HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	12.12	1.48	14.79	1.77	17.14	2.00	18.30	2.16	19.36	2.28	21.50	2.58	24.17	3.00
	-10	12.12	1.60	14.79	1.91	17.14	2.16	18.30	2.33	19.36	2.46	21.50	2.77	24.17	3.23
	-5	12.12	1.73	14.79	2.07	17.14	2.33	18.30	2.52	19.36	2.66	21.50	3.00	24.17	3.49
	-2	12.12	1.73	14.79	2.07	17.14	2.35	18.30	2.57	19.36	2.69	21.50	3.05	24.17	3.55
	0	12.12	1.75	14.79	2.10	17.14	2.39	18.30	2.60	19.36	2.75	21.50	3.11	24.17	3.60
	2	12.12	1.75	14.79	2.12	17.14	2.45	18.30	2.65	19.36	2.79	21.50	3.18	24.17	3.65
	4	12.12	1.78	14.79	2.17	17.14	2.49	18.30	2.71	19.36	2.86	21.50	3.22	24.17	3.73
	6	12.12	1.81	14.79	2.21	17.14	2.56	18.30	2.79	19.36	2.92	21.50	3.28	24.17	3.80
	8	12.12	1.84	14.79	2.27	17.14	2.62	18.30	2.83	19.36	2.98	21.50	3.37	24.17	3.88
	10	12.12	1.87	14.79	2.30	17.14	2.68	18.30	2.89	19.36	3.07	21.50	3.45	24.17	3.93
	12	12.12	1.92	14.79	2.35	17.14	2.73	18.30	2.95	19.36	3.12	21.50	3.50	24.17	4.01
	14	12.12	1.97	14.79	2.39	17.14	2.77	18.30	2.99	19.36	3.18	21.50	3.58	24.17	4.09
	16	12.12	1.99	14.79	2.43	17.14	2.83	18.30	3.05	19.36	3.25	21.50	3.64	24.17	4.15
	18	12.12	2.02	14.79	2.47	17.14	2.89	18.30	3.11	19.36	3.30	21.50	3.72	24.17	4.24
	20	12.12	2.06	14.79	2.51	17.14	2.95	18.30	3.16	19.36	3.35	21.50	3.80	24.17	4.35
	21	12.12	2.07	14.79	2.54	17.14	2.96	18.30	3.20	19.36	3.39	21.50	3.83	24.17	4.51
	23	12.12	2.10	14.79	2.58	17.14	3.03	18.30	3.31	19.36	3.56	21.50	4.12	24.17	4.84
	25	12.12	2.15	14.79	2.69	17.14	3.23	18.30	3.54	19.36	3.79	21.50	4.40	24.17	5.15
	27	12.12	2.27	14.79	2.87	17.14	3.44	18.30	3.75	19.36	4.05	21.50	4.72	24.17	5.53
	29	12.12	2.41	14.79	3.04	17.14	3.65	18.30	4.00	19.36	4.31	21.50	5.02	24.17	5.91
	31	12.12	2.55	14.79	3.23	17.14	3.89	18.30	4.26	19.36	4.59	21.50	5.34	24.17	6.29
	33	12.12	2.71	14.79	3.42	17.14	4.14	18.30	4.54	19.36	4.89	21.50	5.71	24.17	6.73
	35	12.12	2.88	14.79	3.64	17.14	4.40	18.30	4.83	19.36	5.21	21.50	6.08	24.17	7.14
	37	12.12	3.04	14.79	3.85	17.14	4.68	18.30	5.10	19.36	5.54	21.50	6.45	24.17	7.63
	39	12.12	3.22	14.79	4.08	17.14	4.96	18.30	5.43	19.36	5.88	21.50	6.86	24.17	8.13
41	12.12	3.35	14.79	4.23	17.14	5.10	18.30	5.63	19.36	6.06	21.50	7.14	24.17	8.48	
43	12.12	3.63	14.79	4.51	17.14	5.32	18.30	5.92	19.36	6.23	21.50	7.40	24.17	8.75	
46	12.12	3.71	14.79	4.60	17.14	5.42	18.30	6.03	19.36	6.56	21.50	7.80	24.17	9.06	
48	12.12	3.79	14.79	4.63	17.14	5.49	18.30	6.13	19.36	6.74	21.50	8.17	24.17	9.30	
50	10.91	3.48	13.31	4.27	15.43	5.05	16.47	5.63	17.43	6.19	19.35	7.52	21.75	8.54	
52	8.73	2.85	10.65	3.49	12.34	4.13	13.18	4.61	13.94	5.06	15.48	6.15	17.40	6.99	
55	6.11	2.04	7.46	2.50	8.64	2.95	9.22	3.30	9.76	3.63	10.84	4.41	12.18	5.00	
60%	-15	10.42	1.27	12.45	1.47	14.55	1.73	15.60	1.84	16.60	1.98	18.62	2.22	20.50	2.53
	-10	10.42	1.36	12.45	1.58	14.55	1.87	15.60	1.99	16.60	2.14	18.62	2.39	20.50	2.73
	-5	10.42	1.47	12.45	1.71	14.55	2.02	15.60	2.15	16.60	2.32	18.62	2.59	20.50	2.94
	-2	10.42	1.48	12.45	1.74	14.55	2.06	15.60	2.18	16.60	2.34	18.62	2.62	20.50	2.96
	0	10.42	1.50	12.45	1.76	14.55	2.08	15.60	2.21	16.60	2.38	18.62	2.68	20.50	3.02
	2	10.42	1.53	12.45	1.79	14.55	2.12	15.60	2.24	16.60	2.40	18.62	2.73	20.50	3.05
	4	10.42	1.58	12.45	1.83	14.55	2.16	15.60	2.28	16.60	2.45	18.62	2.77	20.50	3.09
	6	10.42	1.59	12.45	1.87	14.55	2.20	15.60	2.32	16.60	2.49	18.62	2.82	20.50	3.16
	8	10.42	1.63	12.45	1.90	14.55	2.24	15.60	2.37	16.60	2.54	18.62	2.87	20.50	3.22
	10	10.42	1.66	12.45	1.94	14.55	2.28	15.60	2.44	16.60	2.60	18.62	2.94	20.50	3.26
	12	10.42	1.68	12.45	1.97	14.55	2.33	15.60	2.48	16.60	2.63	18.62	2.98	20.50	3.31
	14	10.42	1.71	12.45	2.01	14.55	2.35	15.60	2.52	16.60	2.69	18.62	3.04	20.50	3.37
	16	10.42	1.73	12.45	2.04	14.55	2.39	15.60	2.57	16.60	2.74	18.62	3.10	20.50	3.44
	18	10.42	1.76	12.45	2.07	14.55	2.43	15.60	2.61	16.60	2.78	18.62	3.15	20.50	3.51
	20	10.42	1.77	12.45	2.10	14.55	2.47	15.60	2.67	16.60	2.85	18.62	3.22	20.50	3.58
	21	10.42	1.81	12.45	2.12	14.55	2.51	15.60	2.68	16.60	2.86	18.62	3.25	20.50	3.61
	23	10.42	1.82	12.45	2.16	14.55	2.54	15.60	2.74	16.60	2.93	18.62	3.37	20.50	3.85
	25	10.42	1.86	12.45	2.19	14.55	2.64	15.60	2.87	16.60	3.10	18.62	3.60	20.50	4.10
	27	10.42	1.93	12.45	2.33	14.55	2.81	15.60	3.06	16.60	3.30	18.62	3.83	20.50	4.38
	29	10.42	2.04	12.45	2.48	14.55	2.99	15.60	3.26	16.60	3.52	18.62	4.09	20.50	4.68
	31	10.42	2.17	12.45	2.62	14.55	3.18	15.60	3.46	16.60	3.76	18.62	4.36	20.50	4.98
	33	10.42	2.28	12.45	2.78	14.55	3.38	15.60	3.69	16.60	3.98	18.62	4.64	20.50	5.32
	35	10.42	2.42	12.45	2.95	14.55	3.59	15.60	3.89	16.60	4.24	18.62	4.92	20.50	5.65
	37	10.42	2.56	12.45	3.12	14.55	3.80	15.60	4.14	16.60	4.48	18.62	5.24	20.50	6.02
	39	10.42	2.70	12.45	3.31	14.55	4.01	15.60	4.38	16.60	4.76	18.62	5.56	20.50	6.38
41	10.42	2.79	12.45	3.45	14.55	4.16	15.60	4.58	16.60	4.94	18.62	5.83	20.50	6.68	
43	10.42	2.88	12.45	3.58	14.55	4.30	15.60	4.71	16.60	5.12	18.62	6.07	20.50	6.96	
46	10.42	3.01	12.45	3.77	14.55	4.49	15.60	4.87	16.60	5.38	18.62	6.33	20.50	7.35	
48	10.42	3.13	12.45	3.93	14.55	4.64	15.60	5.00	16.60	5.58	18.62	6.56	20.50	7.70	
50	9.38	2.88	11.21	3.62	13.09	4.28	14.04	4.61	14.94	5.12	16.76	6.05	18.45	7.10	
52	7.50	2.35	8.97	2.96	10.48	3.49	11.23	3.76	11.95	4.19	13.41	4.94	14.76	5.81	
55	5.25	1.69	6.28	2.13	7.33	2.50	7.86	2.69	8.36	3.00	9.39	3.55	10.33	4.16	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.1:8HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	8.66	1.09	10.60	1.29	12.14	1.47	12.96	1.54	13.68	1.61	15.30	1.83	17.07	1.98
	-10	8.66	1.18	10.60	1.40	12.14	1.59	12.96	1.66	13.68	1.74	15.30	1.97	17.07	2.14
	-5	8.66	1.28	10.60	1.51	12.14	1.71	12.96	1.79	13.68	1.88	15.30	2.13	17.07	2.31
	-2	8.66	1.28	10.60	1.54	12.14	1.74	12.96	1.82	13.68	1.91	15.30	2.16	17.07	2.33
	0	8.66	1.31	10.60	1.56	12.14	1.76	12.96	1.85	13.68	1.94	15.30	2.20	17.07	2.37
	2	8.66	1.33	10.60	1.58	12.14	1.79	12.96	1.87	13.68	1.96	15.30	2.20	17.07	2.43
	4	8.66	1.34	10.60	1.61	12.14	1.81	12.96	1.90	13.68	2.00	15.30	2.26	17.07	2.49
	6	8.66	1.37	10.60	1.64	12.14	1.84	12.96	1.93	13.68	2.04	15.30	2.30	17.07	2.55
	8	8.66	1.40	10.60	1.66	12.14	1.88	12.96	1.98	13.68	2.07	15.30	2.34	17.07	2.63
	10	8.66	1.42	10.60	1.68	12.14	1.90	12.96	2.01	13.68	2.13	15.30	2.40	17.07	2.68
	12	8.66	1.43	10.60	1.70	12.14	1.94	12.96	2.05	13.68	2.18	15.30	2.44	17.07	2.73
	14	8.66	1.46	10.60	1.72	12.14	1.95	12.96	2.10	13.68	2.22	15.30	2.48	17.07	2.77
	16	8.66	1.48	10.60	1.75	12.14	1.99	12.96	2.12	13.68	2.24	15.30	2.52	17.07	2.82
	18	8.66	1.50	10.60	1.78	12.14	2.02	12.96	2.16	13.68	2.28	15.30	2.57	17.07	2.87
	20	8.66	1.52	10.60	1.80	12.14	2.05	12.96	2.19	13.68	2.32	15.30	2.60	17.07	2.92
	21	8.66	1.53	10.60	1.83	12.14	2.07	12.96	2.21	13.68	2.34	15.30	2.64	17.07	2.96
	23	8.66	1.56	10.60	1.85	12.14	2.11	12.96	2.26	13.68	2.39	15.30	2.68	17.07	3.02
	25	8.66	1.58	10.60	1.87	12.14	2.15	12.96	2.30	13.68	2.47	15.30	2.83	17.07	3.23
	27	8.66	1.60	10.60	1.95	12.14	2.26	12.96	2.45	13.68	2.61	15.30	3.00	17.07	3.44
	29	8.66	1.69	10.60	2.06	12.14	2.41	12.96	2.60	13.68	2.78	15.30	3.18	17.07	3.66
	31	8.66	1.80	10.60	2.18	12.14	2.55	12.96	2.76	13.68	2.95	15.30	3.39	17.07	3.90
	33	8.66	1.90	10.60	2.31	12.14	2.70	12.96	2.93	13.68	3.13	15.30	3.61	17.07	4.13
	35	8.66	2.00	10.60	2.44	12.14	2.86	12.96	3.09	13.68	3.32	15.30	3.84	17.07	4.39
	37	8.66	2.11	10.60	2.58	12.14	3.03	12.96	3.27	13.68	3.51	15.30	4.07	17.07	4.68
	39	8.66	2.23	10.60	2.73	12.14	3.20	12.96	3.47	13.68	3.73	15.30	4.31	17.07	4.98
41	8.66	2.32	10.60	2.84	12.14	3.31	12.96	3.63	13.68	3.90	15.30	4.53	17.07	5.18	
43	8.66	2.47	10.60	3.04	12.14	3.44	12.96	3.80	13.68	3.99	15.30	4.78	17.07	5.41	
46	8.66	2.53	10.60	3.12	12.14	3.66	12.96	4.08	13.68	4.15	15.30	5.23	17.07	5.89	
48	8.66	2.57	10.60	3.18	12.14	3.87	12.96	4.36	13.68	4.36	15.30	5.65	17.07	6.32	
50	7.79	2.37	9.54	2.93	10.93	3.55	11.67	4.02	12.31	4.00	13.77	5.19	15.36	5.83	
52	6.24	1.94	7.63	2.40	8.74	2.90	9.33	3.28	9.85	3.29	11.01	4.25	12.29	4.77	
55	4.36	1.39	5.34	1.72	6.12	2.08	6.53	2.35	6.89	2.35	7.71	3.04	8.60	3.41	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table2-8.2:10HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	25.09	3.10	29.82	3.78	34.91	4.09	36.28	4.26	37.77	4.34	38.92	4.75	40.06	4.80
	-10	25.09	3.34	29.82	4.08	34.91	4.40	36.28	4.59	37.77	4.70	38.92	5.15	40.06	5.17
	-5	25.09	3.61	29.82	4.40	34.91	4.76	36.28	4.95	37.77	5.07	38.92	5.56	40.06	5.59
	-2	25.09	3.62	29.82	4.49	34.91	4.76	36.28	5.00	37.77	5.06	38.92	5.63	40.06	5.65
	0	25.09	3.68	29.82	4.58	34.91	4.95	36.28	5.26	37.77	5.37	38.92	5.69	40.06	5.72
	2	25.09	3.74	29.82	4.58	34.91	5.10	36.28	5.56	37.77	5.44	38.92	5.71	40.06	5.83
	4	25.09	3.82	29.82	4.67	34.91	5.28	36.28	5.58	37.77	5.49	38.92	5.81	40.06	5.92
	6	25.09	3.90	29.82	4.76	34.91	5.49	36.28	5.64	37.36	5.66	38.40	5.91	39.54	5.98
	8	25.09	4.00	29.82	4.88	34.91	5.77	36.28	5.90	36.85	5.86	37.99	5.93	39.03	6.02
	10	25.09	4.07	29.82	4.98	34.91	5.98	36.28	6.11	36.44	5.97	37.58	6.02	38.62	6.19
	12	25.09	4.15	29.82	5.08	34.91	6.08	35.77	6.20	36.04	6.06	37.07	6.12	38.10	6.25
	14	25.09	4.24	29.82	5.17	34.81	6.18	35.36	6.28	35.53	6.16	36.66	6.18	37.69	6.38
	16	25.09	4.31	29.82	5.28	34.40	6.27	34.84	6.38	35.02	6.33	36.14	6.29	37.18	6.47
	18	25.09	4.40	29.82	5.39	33.88	6.35	34.33	6.40	34.61	6.41	35.73	6.49	36.76	6.59
	20	25.09	4.49	29.82	5.71	33.37	6.67	33.92	6.73	34.10	6.71	35.22	6.82	36.25	6.89
	21	25.09	4.60	29.82	5.95	33.17	6.85	33.71	6.89	33.89	6.88	35.01	6.99	36.04	7.05
	23	25.09	4.95	29.82	6.37	32.76	7.15	33.20	7.18	33.38	7.18	34.50	7.29	35.53	7.37
	25	25.09	5.29	29.82	6.82	32.24	7.48	32.68	7.52	32.97	7.52	34.09	7.61	35.12	7.71
	27	25.09	5.63	29.82	7.29	31.83	7.77	32.27	7.84	32.46	7.83	33.58	7.96	34.60	8.03
	29	25.09	6.00	29.82	7.79	31.32	8.09	31.76	8.14	32.05	8.12	33.17	8.25	34.19	8.38
	31	25.09	6.41	29.72	8.24	30.80	8.40	31.35	8.46	31.54	8.42	32.65	8.60	33.67	8.70
	33	25.09	6.84	29.21	8.55	30.39	8.73	30.83	8.78	31.14	8.75	32.24	8.91	33.16	9.02
	35	25.09	7.29	28.70	8.86	29.88	9.06	30.42	9.12	30.63	9.10	31.73	9.24	32.75	9.37
	37	25.09	7.76	28.30	9.17	29.47	9.37	29.91	9.44	30.22	9.42	31.22	9.59	32.23	9.71
	39	25.09	8.24	27.79	9.29	28.96	9.66	29.50	9.77	29.71	9.72	30.80	9.92	31.82	10.05
	41	25.09	8.71	27.48	9.38	28.65	9.77	29.19	9.84	29.40	9.83	30.50	9.95	30.58	10.14
	43	25.09	8.91	27.28	9.40	28.55	9.79	29.09	9.88	29.09	9.85	29.98	9.96	30.28	10.18
	46	25.09	9.35	27.18	9.48	28.24	9.87	28.78	9.94	28.69	9.89	29.16	9.96	29.66	10.35
	48	25.09	9.65	27.08	9.80	27.72	9.95	28.26	10.02	28.28	10.00	28.34	10.18	28.94	10.41
	50	22.58	8.90	24.37	9.00	24.95	9.17	25.44	9.23	25.45	9.19	25.51	9.34	26.04	9.58
	52	18.06	7.27	19.49	7.39	19.96	7.50	20.35	7.57	20.36	7.54	20.40	7.66	20.83	7.84
	55	12.64	5.21	13.65	5.29	13.97	5.38	14.25	5.40	14.25	5.40	14.28	5.46	14.58	5.61
	120%	-15	23.11	2.99	27.56	3.64	32.68	4.38	34.87	4.76	36.60	4.98	36.68	5.03	37.86
-10		23.11	3.23	27.56	3.91	32.68	4.73	34.87	5.15	36.60	5.38	36.68	5.42	37.86	5.64
-5		23.11	3.49	27.56	4.24	32.68	5.11	34.87	5.55	36.60	5.80	36.68	5.86	37.86	6.08
-2		23.11	3.51	27.56	4.28	32.68	5.17	34.87	5.60	36.60	5.86	36.68	5.93	37.86	6.11
0		23.11	3.55	27.56	4.30	32.68	5.23	34.87	5.60	36.60	5.91	36.68	5.95	37.86	6.10
2		23.11	3.56	27.56	4.36	32.68	5.27	34.87	5.67	36.60	5.93	36.68	6.01	37.86	6.12
4		23.11	3.60	27.56	4.41	32.68	5.33	34.87	5.71	36.60	6.02	36.68	6.09	37.86	6.14
6		23.11	3.64	27.56	4.43	32.68	5.40	34.87	5.77	36.60	6.09	36.68	6.04	37.86	6.18
8		23.11	3.68	27.56	4.48	32.68	5.48	34.87	5.85	36.60	6.15	36.68	6.08	37.86	6.18
10		23.11	3.71	27.56	4.56	32.68	5.52	34.87	5.95	36.60	6.16	36.68	6.08	37.86	6.22
12		23.11	3.78	27.56	4.64	32.68	5.62	34.87	6.06	36.08	6.19	36.17	6.06	37.35	6.27
14		23.11	3.86	27.56	4.73	32.68	5.75	34.87	6.18	35.56	6.20	35.76	6.14	36.93	6.33
16		23.11	3.93	27.56	4.81	32.68	5.83	34.66	6.30	35.14	6.30	35.25	6.27	36.42	6.43
18		23.11	3.99	27.56	4.91	32.68	6.05	34.14	6.45	34.62	6.48	34.74	6.41	36.01	6.53
20		23.11	4.08	27.56	5.12	32.68	6.52	33.73	6.74	34.21	6.77	34.34	6.70	35.49	6.85
21		23.11	4.12	27.56	5.30	32.68	6.75	33.42	6.90	33.89	6.96	34.13	6.87	35.29	7.01
23		23.11	4.40	27.56	5.68	32.68	7.20	33.00	7.20	33.48	7.28	33.62	7.19	34.77	7.32
25		23.11	4.70	27.56	6.08	32.16	7.51	32.48	7.53	32.96	7.58	33.22	7.50	34.36	7.66
27		23.11	5.03	27.56	6.49	31.74	7.81	32.07	7.86	32.54	7.89	32.71	7.83	33.85	7.97
29		23.11	5.36	27.56	6.93	31.22	8.14	31.55	8.18	32.02	8.21	32.20	8.15	33.44	8.28
31		23.11	5.72	27.56	7.41	30.70	8.45	31.13	8.47	31.61	8.54	31.79	8.44	32.92	8.62
33		23.11	6.08	27.56	7.86	30.28	8.79	30.61	8.81	31.09	8.85	31.28	8.79	32.41	8.96
35		23.11	6.48	27.56	8.39	29.76	9.08	30.09	9.14	30.67	9.19	30.87	9.12	32.00	9.31
37		23.11	6.88	27.56	8.95	29.35	9.44	29.68	9.44	30.15	9.53	30.36	9.45	31.48	9.61
39		23.11	7.34	27.46	9.44	28.83	9.76	29.16	9.76	29.63	9.83	29.95	9.78	31.07	9.93
41		23.11	7.52	27.26	9.53	28.62	9.82	28.95	9.87	29.42	9.90	29.75	9.80	30.14	10.05
43		23.11	7.66	27.05	9.59	28.41	9.87	28.75	9.89	29.22	9.96	29.24	9.81	29.73	10.25
46		23.11	7.72	26.95	9.70	28.10	9.95	28.43	10.00	28.90	10.01	28.63	9.85	29.42	10.47
48		23.11	7.80	26.75	9.79	27.79	10.04	27.92	10.02	28.59	10.14	28.22	9.94	29.01	10.59
50		20.80	7.17	24.07	9.03	25.01	9.25	25.12	9.23	25.73	9.34	25.40	9.17	26.11	9.74
52		16.64	5.86	19.26	7.38	20.01	7.56	20.10	7.56	20.59	7.62	20.32	7.49	20.89	7.96
55		11.65	4.19	13.48	5.27	14.00	5.41	14.07	5.41	14.41	5.47	14.22	5.36	14.62	5.70

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.2:10HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	21.17	2.61	25.74	3.32	29.63	3.93	32.05	4.27	33.71	4.53	36.70	4.76	37.57	4.91
	-10	21.17	2.82	25.74	3.58	29.63	4.22	32.05	4.59	33.71	4.88	36.70	5.13	37.57	5.29
	-5	21.17	3.04	25.74	3.86	29.63	4.56	32.05	4.98	33.71	5.28	36.70	5.55	37.57	5.71
	-2	21.17	3.10	25.74	3.91	29.63	4.61	32.05	5.01	33.71	5.32	36.70	5.60	37.57	5.76
	0	21.17	3.14	25.74	3.94	29.63	4.64	32.05	5.06	33.71	5.37	36.70	5.65	37.57	5.83
	2	21.17	3.20	25.74	3.97	29.63	4.71	32.05	5.11	33.71	5.43	36.70	5.73	37.57	5.91
	4	21.17	3.26	25.74	4.02	29.63	4.77	32.05	5.17	33.71	5.53	36.70	5.81	37.57	5.95
	6	21.17	3.30	25.74	4.06	29.63	4.81	32.05	5.25	33.71	5.57	36.70	5.89	37.57	6.04
	8	21.17	3.32	25.74	4.13	29.63	4.87	32.05	5.30	33.71	5.65	36.70	5.92	37.57	6.09
	10	21.17	3.37	25.74	4.18	29.63	4.92	32.05	5.40	33.71	5.74	36.70	5.95	37.57	6.15
	12	21.17	3.44	25.74	4.27	29.63	5.04	32.05	5.50	33.71	5.85	36.29	6.05	37.05	6.23
	14	21.17	3.50	25.74	4.34	29.63	5.14	32.05	5.59	33.71	5.94	35.77	6.10	36.63	6.28
	16	21.17	3.57	25.74	4.42	29.63	5.22	32.05	5.71	33.71	6.06	35.35	6.16	36.11	6.34
	18	21.17	3.64	25.74	4.51	29.63	5.34	32.05	5.87	33.71	6.35	34.83	6.47	35.70	6.56
	20	21.17	3.70	25.74	4.61	29.63	5.65	32.05	6.30	33.20	6.69	34.41	6.80	35.18	6.88
	21	21.17	3.74	25.74	4.74	29.63	5.84	32.05	6.54	32.99	6.84	34.10	6.95	34.97	7.02
	23	21.17	3.92	25.74	5.08	29.63	6.27	32.05	7.01	32.48	7.13	33.69	7.28	34.45	7.35
	25	21.17	4.18	25.74	5.45	29.63	6.70	32.05	7.53	32.07	7.45	33.17	7.58	34.03	7.66
	27	21.17	4.46	25.74	5.82	29.63	7.19	31.53	7.83	31.55	7.74	32.75	7.91	33.51	7.99
	29	21.17	4.76	25.74	6.19	29.63	7.65	31.12	8.16	31.14	8.07	32.23	8.24	33.09	8.32
	31	21.17	5.05	25.74	6.63	29.63	8.20	30.60	8.47	30.63	8.37	31.82	8.58	32.57	8.66
	33	21.17	5.37	25.74	7.06	29.42	8.62	30.18	8.76	30.22	8.71	31.30	8.88	32.16	8.99
	35	21.17	5.74	25.74	7.53	28.91	8.92	29.66	9.09	29.70	9.01	30.78	9.22	31.64	9.33
	37	21.17	6.08	25.74	7.99	28.50	9.27	29.24	9.41	29.19	9.34	30.36	9.53	31.12	9.63
	39	21.17	6.48	25.74	8.51	27.98	9.60	28.72	9.75	28.78	9.64	29.84	9.86	30.70	9.99
41	21.17	6.54	25.74	8.61	27.78	9.66	28.52	9.80	28.57	9.73	29.42	9.94	29.76	10.03	
43	21.17	6.62	25.74	8.71	27.57	9.70	28.31	9.87	28.37	9.80	29.22	9.96	29.35	10.24	
46	21.17	6.82	25.74	8.74	27.26	9.80	28.00	9.99	28.06	9.87	28.90	10.25	29.04	10.47	
48	21.17	7.04	25.74	9.49	26.85	9.84	27.58	10.02	27.75	9.96	28.38	10.29	28.72	10.58	
50	19.05	6.47	23.16	8.72	24.17	9.08	24.82	9.25	24.98	9.20	25.55	9.46	25.85	9.74	
52	15.24	5.31	18.53	7.11	19.33	7.41	19.86	7.54	19.98	7.52	20.44	7.75	20.68	7.98	
55	10.67	3.79	12.97	5.11	13.53	5.31	13.90	5.42	13.99	5.38	14.31	5.54	14.48	5.72	
100%	-15	19.20	2.37	22.86	2.86	26.67	3.41	28.00	3.63	30.01	3.92	34.10	4.51	35.93	4.70
	-10	19.20	2.56	22.86	3.09	26.67	3.68	28.00	3.92	30.01	4.24	34.10	4.87	35.93	5.06
	-5	19.20	2.77	22.86	3.34	26.67	3.97	28.00	4.22	30.01	4.58	34.10	5.27	35.93	5.48
	-2	19.20	2.81	22.86	3.37	26.67	4.03	28.00	4.31	30.01	4.63	34.10	5.32	35.93	5.50
	0	19.20	2.82	22.86	3.41	26.67	4.07	28.00	4.35	30.01	4.67	34.10	5.40	35.93	5.56
	2	19.20	2.89	22.86	3.46	26.67	4.11	28.00	4.42	30.01	4.72	34.10	5.48	35.93	5.67
	4	19.20	2.91	22.86	3.49	26.67	4.16	28.00	4.49	30.01	4.78	34.10	5.55	35.93	5.71
	6	19.20	2.95	22.86	3.56	26.67	4.22	28.00	4.56	30.01	4.87	34.10	5.63	35.93	5.80
	8	19.20	3.01	22.86	3.61	26.67	4.30	28.00	4.62	30.01	4.94	34.10	5.73	35.93	5.91
	10	19.20	3.04	22.86	3.69	26.67	4.37	28.00	4.70	30.01	5.03	34.10	5.82	35.93	6.00
	12	19.20	3.09	22.86	3.75	26.67	4.45	28.00	4.78	30.01	5.14	34.10	5.92	35.42	6.05
	14	19.20	3.14	22.86	3.82	26.67	4.53	28.00	4.87	30.01	5.21	34.10	6.03	35.01	6.13
	16	19.20	3.21	22.86	3.89	26.67	4.64	28.00	4.97	30.01	5.33	33.90	6.10	34.51	6.18
	18	19.20	3.27	22.86	3.97	26.67	4.72	28.00	5.06	30.01	5.44	33.49	6.31	34.10	6.33
	20	19.20	3.33	22.86	4.06	26.67	4.85	28.00	5.32	30.01	5.83	32.98	6.60	33.59	6.66
	21	19.20	3.36	22.86	4.09	26.67	5.04	28.00	5.52	30.01	6.02	32.78	6.75	33.39	6.81
	23	19.20	3.44	22.86	4.37	26.67	5.38	28.00	5.91	30.01	6.46	32.37	7.06	32.88	7.11
	25	19.20	3.67	22.86	4.64	26.67	5.76	28.00	6.33	30.01	6.90	31.86	7.38	32.48	7.41
	27	19.20	3.91	22.86	4.96	26.67	6.16	28.00	6.76	30.01	7.39	31.35	7.70	31.97	7.73
	29	19.20	4.16	22.86	5.29	26.67	6.58	28.00	7.23	29.91	7.84	30.94	8.01	31.56	8.04
	31	19.20	4.44	22.86	5.67	26.67	7.02	28.00	7.72	29.50	8.15	30.43	8.34	31.06	8.38
	33	19.20	4.72	22.86	6.02	26.67	7.47	28.00	8.22	29.00	8.46	30.03	8.63	30.65	8.70
	35	19.20	5.00	22.86	6.41	26.67	8.00	28.00	8.76	28.50	8.77	29.52	8.93	30.14	9.00
	37	19.20	5.35	22.86	6.81	26.67	8.53	27.50	9.07	28.09	9.08	29.11	9.28	29.63	9.32
	39	19.20	5.67	22.86	7.23	26.67	9.05	27.10	9.40	27.59	9.39	28.60	9.59	29.23	9.66
41	19.20	5.92	22.86	7.52	26.67	9.40	26.70	9.46	27.39	9.53	28.09	9.81	28.82	9.87	
43	19.20	6.19	22.86	7.77	26.67	9.59	26.30	9.57	27.19	9.64	28.30	9.87	28.32	9.96	
46	19.20	6.55	22.86	8.13	26.67	9.71	25.70	9.70	27.09	9.79	27.99	10.03	27.71	10.09	
48	19.20	6.83	22.86	8.42	26.67	9.73	24.60	9.81	26.99	10.00	26.36	10.12	27.10	10.17	
50	17.28	6.29	20.57	7.76	24.00	8.97	22.14	9.02	24.29	9.17	23.73	9.34	24.39	9.35	
52	13.82	5.15	16.46	6.33	19.20	7.34	17.71	7.38	19.43	7.50	18.98	7.62	19.51	7.66	
55	9.68	3.69	11.52	4.54	13.44	5.25	12.40	5.28	13.60	5.39	13.29	5.47	13.66	5.50	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.2: 10HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	17.51	2.13	21.05	2.57	24.23	3.01	26.23	3.32	27.78	3.51	30.64	3.98	34.03	4.56
	-10	17.51	2.30	21.05	2.77	24.23	3.24	26.23	3.59	27.78	3.81	30.64	4.30	34.03	4.91
	-5	17.51	2.49	21.05	2.99	24.23	3.50	26.23	3.88	27.78	4.11	30.64	4.63	34.03	5.31
	-2	17.51	2.51	21.05	3.02	24.23	3.55	26.23	3.92	27.78	4.16	30.64	4.68	34.03	5.35
	0	17.51	2.54	21.05	3.07	24.23	3.59	26.23	3.98	27.78	4.20	30.64	4.74	34.03	5.39
	2	17.51	2.58	21.05	3.11	24.23	3.64	26.23	4.03	27.78	4.28	30.64	4.84	34.03	5.48
	4	17.51	2.62	21.05	3.15	24.23	3.70	26.23	4.09	27.78	4.33	30.64	4.92	34.03	5.56
	6	17.51	2.65	21.05	3.22	24.23	3.77	26.23	4.18	27.78	4.41	30.64	4.99	34.03	5.65
	8	17.51	2.70	21.05	3.27	24.23	3.84	26.23	4.22	27.78	4.48	30.64	5.08	34.03	5.72
	10	17.51	2.76	21.05	3.34	24.23	3.91	26.23	4.28	27.78	4.57	30.64	5.14	34.03	5.80
	12	17.51	2.81	21.05	3.40	24.23	3.98	26.23	4.35	27.78	4.67	30.64	5.24	34.03	5.91
	14	17.51	2.86	21.05	3.47	24.23	4.06	26.23	4.45	27.78	4.75	30.64	5.33	34.03	6.01
	16	17.51	2.89	21.05	3.54	24.23	4.15	26.23	4.52	27.78	4.85	30.64	5.43	33.93	6.12
	18	17.51	2.95	21.05	3.60	24.23	4.22	26.23	4.61	27.78	4.95	30.64	5.56	33.52	6.31
	20	17.51	3.02	21.05	3.69	24.23	4.30	26.23	4.70	27.78	5.13	30.64	5.97	33.01	6.61
	21	17.51	3.04	21.05	3.72	24.23	4.37	26.23	4.88	27.78	5.30	30.64	6.18	32.81	6.78
	23	17.51	3.09	21.05	3.86	24.23	4.69	26.23	5.22	27.78	5.69	30.64	6.63	32.30	7.07
	25	17.51	3.26	21.05	4.12	24.23	5.00	26.23	5.58	27.78	6.09	30.64	7.09	31.89	7.39
	27	17.51	3.47	21.05	4.39	24.23	5.36	26.23	5.98	27.78	6.52	30.64	7.59	31.38	7.71
	29	17.51	3.69	21.05	4.68	24.23	5.72	26.23	6.36	27.78	6.98	30.33	7.94	30.97	8.02
	31	17.51	3.92	21.05	4.99	24.23	6.07	26.23	6.81	27.78	7.42	29.82	8.26	30.46	8.32
	33	17.51	4.18	21.05	5.31	24.23	6.48	26.23	7.23	27.78	7.92	29.42	8.58	30.06	8.62
	35	17.51	4.43	21.05	5.64	24.23	6.90	26.23	7.73	27.78	8.45	28.91	8.89	29.55	8.98
	37	17.51	4.71	21.05	6.00	24.23	7.34	26.23	8.22	27.78	9.02	28.40	9.19	29.14	9.27
	39	17.51	4.98	21.05	6.38	24.23	7.81	26.23	8.73	27.78	9.56	27.99	9.52	28.63	9.59
	41	17.51	5.17	21.05	6.67	24.23	8.10	26.23	8.98	27.78	9.66	27.79	9.74	28.43	9.83
	43	17.51	5.41	21.05	6.95	24.23	8.38	26.23	9.21	27.78	9.84	27.69	9.86	28.22	9.99
	46	17.51	5.75	21.05	7.30	24.23	8.73	26.23	9.55	27.78	10.13	27.48	9.97	27.71	10.09
48	17.51	6.08	21.05	7.63	24.23	9.05	26.23	9.67	27.78	10.20	27.28	10.11	27.00	10.24	
50	15.76	5.59	18.94	7.02	21.81	8.35	23.60	8.86	25.01	9.41	24.55	9.33	24.30	9.40	
52	12.60	4.57	15.15	5.75	17.45	6.82	18.88	7.26	20.00	7.70	19.64	7.60	19.44	7.70	
55	8.82	3.27	10.61	4.11	12.21	4.88	13.22	5.19	14.00	5.49	13.75	5.46	13.61	5.52	
80%	-15	15.55	1.88	18.68	2.24	21.67	2.64	23.05	2.79	24.80	3.03	27.86	3.51	30.88	4.00
	-10	15.55	2.02	18.68	2.42	21.67	2.85	23.05	3.02	24.80	3.27	27.86	3.79	30.88	4.33
	-5	15.55	2.19	18.68	2.61	21.67	3.08	23.05	3.26	24.80	3.54	27.86	4.08	30.88	4.66
	-2	15.55	2.21	18.68	2.64	21.67	3.10	23.05	3.30	24.80	3.56	27.86	4.14	30.88	4.70
	0	15.55	2.26	18.68	2.67	21.67	3.14	23.05	3.34	24.80	3.63	27.86	4.18	30.88	4.79
	2	15.55	2.30	18.68	2.71	21.67	3.20	23.05	3.40	24.80	3.70	27.86	4.28	30.88	4.88
	4	15.55	2.34	18.68	2.76	21.67	3.25	23.05	3.47	24.80	3.75	27.86	4.35	30.88	4.94
	6	15.55	2.38	18.68	2.82	21.67	3.31	23.05	3.56	24.80	3.84	27.86	4.42	30.88	5.03
	8	15.55	2.43	18.68	2.89	21.67	3.38	23.05	3.62	24.80	3.91	27.86	4.49	30.88	5.11
	10	15.55	2.45	18.68	2.94	21.67	3.46	23.05	3.70	24.80	4.00	27.86	4.58	30.88	5.16
	12	15.55	2.47	18.68	3.01	21.67	3.53	23.05	3.78	24.80	4.08	27.86	4.68	30.88	5.26
	14	15.55	2.53	18.68	3.07	21.67	3.60	23.05	3.83	24.80	4.17	27.86	4.76	30.88	5.37
	16	15.55	2.56	18.68	3.11	21.67	3.66	23.05	3.91	24.80	4.23	27.86	4.84	30.88	5.47
	18	15.55	2.62	18.68	3.17	21.67	3.74	23.05	4.00	24.80	4.32	27.86	4.96	30.88	5.56
	20	15.55	2.67	18.68	3.23	21.67	3.81	23.05	4.08	24.80	4.40	27.86	5.14	30.88	5.97
	21	15.55	2.69	18.68	3.26	21.67	3.85	23.05	4.12	24.80	4.51	27.86	5.31	30.88	6.18
	23	15.55	2.73	18.68	3.32	21.67	4.02	23.05	4.38	24.80	4.83	27.86	5.70	30.88	6.63
	25	15.55	2.81	18.68	3.54	21.67	4.32	23.05	4.68	24.80	5.15	27.86	6.11	30.88	7.10
	27	15.55	3.00	18.68	3.76	21.67	4.59	23.05	5.00	24.80	5.50	27.86	6.51	30.88	7.59
	29	15.55	3.20	18.68	4.00	21.67	4.89	23.05	5.31	24.80	5.87	27.86	6.93	30.88	8.11
	31	15.55	3.38	18.68	4.26	21.67	5.20	23.05	5.66	24.80	6.26	27.86	7.42	30.36	8.43
	33	15.55	3.60	18.68	4.52	21.67	5.55	23.05	6.03	24.80	6.66	27.86	7.91	29.94	8.73
	35	15.55	3.83	18.68	4.82	21.67	5.89	23.05	6.43	24.80	7.11	27.86	8.44	29.42	9.08
	37	15.55	4.05	18.68	5.11	21.67	6.29	23.05	6.86	24.80	7.55	27.86	8.98	29.01	9.38
	39	15.55	4.30	18.68	5.46	21.67	6.67	23.05	7.27	24.80	8.06	27.86	9.59	28.49	9.71
	41	15.55	4.38	18.68	5.50	21.67	6.76	23.05	7.48	24.80	8.21	27.86	9.84	28.28	9.90
	43	15.55	4.52	18.68	5.56	21.67	6.87	23.05	7.59	24.80	8.32	27.86	9.94	28.18	9.98
	46	15.55	4.65	18.68	5.62	21.67	7.00	23.05	7.75	24.80	8.44	27.86	10.04	27.76	10.14
48	15.55	4.79	18.68	5.64	21.67	7.11	23.05	7.87	24.80	8.54	27.86	10.14	27.55	10.27	
50	13.99	4.40	16.81	5.19	19.50	6.55	20.74	7.24	22.32	7.85	25.08	9.34	24.80	9.46	
52	11.20	3.61	13.45	4.26	15.60	5.36	16.59	5.92	17.86	6.41	20.06	7.63	19.84	7.72	
55	7.84	2.59	9.41	3.04	10.92	3.83	11.61	4.23	12.50	4.59	14.04	5.46	13.89	5.52	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.2:10HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	13.42	1.65	16.41	1.99	18.63	2.20	20.40	2.41	21.25	2.51	23.86	2.89	27.01	3.38
	-10	13.42	1.78	16.41	2.14	18.63	2.38	20.40	2.60	21.25	2.71	23.86	3.11	27.01	3.65
	-5	13.42	1.93	16.41	2.31	18.63	2.56	20.40	2.81	21.25	2.93	23.86	3.37	27.01	3.93
	-2	13.42	1.95	16.41	2.32	18.63	2.58	20.40	2.86	21.25	2.98	23.86	3.42	27.01	3.99
	0	13.42	1.96	16.41	2.35	18.63	2.63	20.40	2.93	21.25	3.03	23.86	3.49	27.01	4.05
	2	13.42	1.96	16.41	2.36	18.63	2.67	20.40	2.98	21.25	3.09	23.86	3.56	27.01	4.11
	4	13.42	1.98	16.41	2.42	18.63	2.74	20.40	3.03	21.25	3.15	23.86	3.62	27.01	4.20
	6	13.42	2.02	16.41	2.46	18.63	2.80	20.40	3.13	21.25	3.23	23.86	3.68	27.01	4.28
	8	13.42	2.06	16.41	2.53	18.63	2.87	20.40	3.17	21.25	3.30	23.86	3.78	27.01	4.36
	10	13.42	2.11	16.41	2.58	18.63	2.95	20.40	3.23	21.25	3.39	23.86	3.87	27.01	4.43
	12	13.42	2.16	16.41	2.62	18.63	2.99	20.40	3.31	21.25	3.45	23.86	3.93	27.01	4.51
	14	13.42	2.19	16.41	2.67	18.63	3.05	20.40	3.35	21.25	3.51	23.86	4.01	27.01	4.61
	16	13.42	2.22	16.41	2.71	18.63	3.11	20.40	3.43	21.25	3.58	23.86	4.07	27.01	4.67
	18	13.42	2.26	16.41	2.75	18.63	3.16	20.40	3.49	21.25	3.63	23.86	4.16	27.01	4.77
	20	13.42	2.30	16.41	2.80	18.63	3.23	20.40	3.55	21.25	3.71	23.86	4.25	27.01	4.91
	21	13.42	2.33	16.41	2.83	18.63	3.24	20.40	3.58	21.25	3.74	23.86	4.30	27.01	5.08
	23	13.42	2.36	16.41	2.88	18.63	3.32	20.40	3.69	21.25	3.94	23.86	4.62	27.01	5.45
	25	13.42	2.40	16.41	3.01	18.63	3.53	20.40	3.96	21.25	4.21	23.86	4.93	27.01	5.83
	27	13.42	2.55	16.41	3.20	18.63	3.77	20.40	4.21	21.25	4.49	23.86	5.28	27.01	6.21
	29	13.42	2.70	16.41	3.39	18.63	4.02	20.40	4.50	21.25	4.76	23.86	5.62	27.01	6.66
	31	13.42	2.85	16.41	3.61	18.63	4.27	20.40	4.78	21.25	5.09	23.86	6.00	27.01	7.09
	33	13.42	3.03	16.41	3.83	18.63	4.56	20.40	5.08	21.25	5.42	23.86	6.39	27.01	7.56
	35	13.42	3.21	16.41	4.05	18.63	4.83	20.40	5.42	21.25	5.77	23.86	6.79	27.01	8.04
	37	13.42	3.39	16.41	4.30	18.63	5.13	20.40	5.72	21.25	6.14	23.86	7.23	27.01	8.59
	39	13.42	3.59	16.41	4.55	18.63	5.45	20.40	6.11	21.25	6.49	23.86	7.69	27.01	9.14
41	13.42	3.75	16.41	4.71	18.63	5.59	20.40	6.30	21.25	6.72	23.86	8.03	27.01	9.54	
43	13.42	4.06	16.41	5.04	18.63	5.83	20.40	6.63	21.25	6.91	23.86	8.31	27.01	9.85	
46	13.42	4.16	16.41	5.14	18.63	5.96	20.40	6.76	21.25	7.25	23.86	8.74	27.01	10.23	
48	13.42	4.22	16.41	5.17	18.63	6.03	20.40	6.86	21.25	7.43	23.86	9.17	27.01	10.48	
50	12.08	3.88	14.77	4.76	16.76	5.54	18.36	6.31	19.13	6.86	21.48	8.41	24.31	9.64	
52	9.66	3.18	11.82	3.89	13.41	4.54	14.69	5.16	15.30	5.61	17.18	6.90	19.45	7.89	
55	6.77	2.28	8.27	2.79	9.39	3.25	10.28	3.70	10.71	4.01	12.03	4.93	13.61	5.63	
60%	-15	11.76	1.44	13.78	1.64	16.12	1.92	17.42	2.08	18.27	2.20	20.68	2.49	23.16	2.88
	-10	11.76	1.56	13.78	1.77	16.12	2.08	17.42	2.24	18.27	2.37	20.68	2.70	23.16	3.11
	-5	11.76	1.68	13.78	1.91	16.12	2.24	17.42	2.41	18.27	2.56	20.68	2.91	23.16	3.36
	-2	11.76	1.69	13.78	1.94	16.12	2.29	17.42	2.45	18.27	2.59	20.68	2.94	23.16	3.38
	0	11.76	1.72	13.78	1.97	16.12	2.32	17.42	2.47	18.27	2.63	20.68	2.99	23.16	3.43
	2	11.76	1.75	13.78	2.01	16.12	2.36	17.42	2.53	18.27	2.68	20.68	3.06	23.16	3.48
	4	11.76	1.80	13.78	2.06	16.12	2.40	17.42	2.57	18.27	2.71	20.68	3.11	23.16	3.53
	6	11.76	1.82	13.78	2.09	16.12	2.46	17.42	2.61	18.27	2.77	20.68	3.16	23.16	3.60
	8	11.76	1.85	13.78	2.13	16.12	2.49	17.42	2.66	18.27	2.83	20.68	3.23	23.16	3.67
	10	11.76	1.89	13.78	2.17	16.12	2.54	17.42	2.74	18.27	2.88	20.68	3.28	23.16	3.72
	12	11.76	1.92	13.78	2.21	16.12	2.58	17.42	2.80	18.27	2.92	20.68	3.34	23.16	3.78
	14	11.76	1.95	13.78	2.24	16.12	2.63	17.42	2.84	18.27	2.99	20.68	3.41	23.16	3.85
	16	11.76	1.97	13.78	2.28	16.12	2.66	17.42	2.88	18.27	3.04	20.68	3.47	23.16	3.92
	18	11.76	2.01	13.78	2.31	16.12	2.71	17.42	2.93	18.27	3.09	20.68	3.53	23.16	4.00
	20	11.76	2.04	13.78	2.36	16.12	2.77	17.42	3.00	18.27	3.16	20.68	3.59	23.16	4.09
	21	11.76	2.06	13.78	2.37	16.12	2.79	17.42	3.02	18.27	3.17	20.68	3.64	23.16	4.12
	23	11.76	2.09	13.78	2.43	16.12	2.83	17.42	3.08	18.27	3.24	20.68	3.78	23.16	4.38
	25	11.76	2.12	13.78	2.46	16.12	2.94	17.42	3.23	18.27	3.44	20.68	4.03	23.16	4.67
	27	11.76	2.20	13.78	2.61	16.12	3.13	17.42	3.45	18.27	3.66	20.68	4.30	23.16	4.98
	29	11.76	2.33	13.78	2.77	16.12	3.35	17.42	3.66	18.27	3.91	20.68	4.58	23.16	5.32
	31	11.76	2.47	13.78	2.93	16.12	3.54	17.42	3.88	18.27	4.15	20.68	4.86	23.16	5.66
	33	11.76	2.61	13.78	3.12	16.12	3.77	17.42	4.13	18.27	4.42	20.68	5.18	23.16	6.06
	35	11.76	2.76	13.78	3.31	16.12	3.99	17.42	4.38	18.27	4.69	20.68	5.54	23.16	6.44
	37	11.76	2.93	13.78	3.50	16.12	4.23	17.42	4.65	18.27	4.97	20.68	5.87	23.16	6.84
	39	11.76	3.08	13.78	3.71	16.12	4.47	17.42	4.93	18.27	5.29	20.68	6.25	23.16	7.29
41	11.76	3.18	13.78	3.87	16.12	4.65	17.42	5.14	18.27	5.49	20.68	6.52	23.16	7.63	
43	11.76	3.28	13.78	4.03	16.12	4.81	17.42	5.29	18.27	5.67	20.68	6.79	23.16	7.97	
46	11.76	3.43	13.78	4.22	16.12	4.99	17.42	5.48	18.27	5.97	20.68	7.10	23.16	8.41	
48	11.76	3.56	13.78	4.40	16.12	5.18	17.42	5.62	18.27	6.18	20.68	7.35	23.16	8.79	
50	10.58	3.27	12.40	4.05	14.51	4.77	15.68	5.17	16.45	5.68	18.61	6.76	20.85	8.09	
52	8.47	2.68	9.92	3.32	11.61	3.90	12.54	4.23	13.16	4.66	14.89	5.55	16.68	6.62	
55	5.93	1.92	6.95	2.38	8.12	2.79	8.78	3.03	9.21	3.33	10.42	3.97	11.67	4.75	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table2-8.2:10HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	9.66	1.22	11.63	1.43	13.63	1.66	14.53	1.74	15.46	1.84	17.15	2.07	18.91	2.20
	-10	9.66	1.32	11.63	1.55	13.63	1.80	14.53	1.88	15.46	1.98	17.15	2.23	18.91	2.38
	-5	9.66	1.43	11.63	1.67	13.63	1.94	14.53	2.03	15.46	2.14	17.15	2.41	18.91	2.57
	-2	9.66	1.44	11.63	1.71	13.63	1.97	14.53	2.05	15.46	2.18	17.15	2.44	18.91	2.60
	0	9.66	1.46	11.63	1.73	13.63	2.00	14.53	2.08	15.46	2.20	17.15	2.48	18.91	2.65
	2	9.66	1.49	11.63	1.75	13.63	2.04	14.53	2.12	15.46	2.25	17.15	2.48	18.91	2.69
	4	9.66	1.50	11.63	1.78	13.63	2.06	14.53	2.14	15.46	2.29	17.15	2.56	18.91	2.77
	6	9.66	1.53	11.63	1.82	13.63	2.09	14.53	2.19	15.46	2.32	17.15	2.59	18.91	2.85
	8	9.66	1.56	11.63	1.84	13.63	2.12	14.53	2.24	15.46	2.37	17.15	2.63	18.91	2.94
	10	9.66	1.59	11.63	1.86	13.63	2.16	14.53	2.27	15.46	2.43	17.15	2.71	18.91	2.99
	12	9.66	1.60	11.63	1.89	13.63	2.19	14.53	2.31	15.46	2.48	17.15	2.74	18.91	3.03
	14	9.66	1.63	11.63	1.91	13.63	2.22	14.53	2.37	15.46	2.52	17.15	2.80	18.91	3.08
	16	9.66	1.65	11.63	1.93	13.63	2.26	14.53	2.40	15.46	2.55	17.15	2.86	18.91	3.14
	18	9.66	1.68	11.63	1.98	13.63	2.29	14.53	2.44	15.46	2.60	17.15	2.89	18.91	3.19
	20	9.66	1.70	11.63	1.99	13.63	2.32	14.53	2.48	15.46	2.65	17.15	2.94	18.91	3.25
	21	9.66	1.71	11.63	2.02	13.63	2.35	14.53	2.50	15.46	2.67	17.15	2.97	18.91	3.30
	23	9.66	1.73	11.63	2.04	13.63	2.38	14.53	2.55	15.46	2.72	17.15	3.03	18.91	3.36
	25	9.66	1.76	11.63	2.08	13.63	2.44	14.53	2.60	15.46	2.80	17.15	3.18	18.91	3.59
	27	9.66	1.79	11.63	2.16	13.63	2.57	14.53	2.77	15.46	2.98	17.15	3.38	18.91	3.83
	29	9.66	1.88	11.63	2.28	13.63	2.72	14.53	2.94	15.46	3.18	17.15	3.59	18.91	4.09
	31	9.66	1.99	11.63	2.42	13.63	2.89	14.53	3.12	15.46	3.37	17.15	3.83	18.91	4.35
	33	9.66	2.12	11.63	2.56	13.63	3.07	14.53	3.29	15.46	3.58	17.15	4.07	18.91	4.63
	35	9.66	2.24	11.63	2.72	13.63	3.23	14.53	3.49	15.46	3.77	17.15	4.32	18.91	4.90
37	9.66	2.36	11.63	2.86	13.63	3.44	14.53	3.70	15.46	4.01	17.15	4.58	18.91	5.21	
39	9.66	2.49	11.63	3.02	13.63	3.63	14.53	3.93	15.46	4.25	17.15	4.86	18.91	5.54	
41	9.66	2.59	11.63	3.15	13.63	3.76	14.53	4.10	15.46	4.43	17.15	5.12	18.91	5.78	
43	9.66	2.76	11.63	3.36	13.63	3.90	14.53	4.29	15.46	4.55	17.15	5.38	18.91	6.04	
46	9.66	2.82	11.63	3.45	13.63	4.16	14.53	4.63	15.46	4.73	17.15	5.90	18.91	6.54	
48	9.66	2.88	11.63	3.53	13.63	4.38	14.53	4.92	15.46	4.96	17.15	6.37	18.91	7.06	
50	8.69	2.65	10.46	3.25	12.27	4.04	13.08	4.53	13.92	4.57	15.43	5.86	17.02	6.48	
52	6.96	2.17	8.37	2.66	9.82	3.30	10.46	3.70	11.13	3.74	12.35	4.79	13.62	5.30	
55	4.87	1.55	5.86	1.91	6.87	2.36	7.32	2.65	7.79	2.68	8.64	3.43	9.53	3.79	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.3:12HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	29.96	4.11	36.18	5.07	41.59	5.38	43.88	5.71	46.02	5.87	46.79	6.36	48.03	6.38
	-10	29.96	4.43	36.18	5.48	41.59	5.83	43.88	6.17	46.02	6.32	46.79	6.84	48.03	6.91
	-5	29.96	4.80	36.18	5.90	41.59	6.29	43.88	6.66	46.02	6.84	46.79	7.41	48.03	7.45
	-2	29.96	4.78	36.18	6.04	41.59	6.28	43.88	6.70	46.02	6.84	46.79	7.50	48.03	7.51
	0	29.96	4.87	36.18	6.13	41.59	6.50	43.88	7.05	46.02	7.25	46.79	7.57	48.03	7.63
	2	29.96	4.97	36.18	6.16	41.59	6.75	43.88	7.45	46.02	7.33	46.79	7.64	48.03	7.73
	4	29.96	5.07	36.18	6.28	41.59	6.96	43.88	7.51	46.02	7.42	46.79	7.74	48.03	7.88
	6	29.96	5.16	36.18	6.38	41.59	7.25	43.88	7.56	45.50	7.65	46.27	7.87	47.51	7.95
	8	29.96	5.29	36.18	6.53	41.59	7.58	43.88	7.92	44.88	7.92	45.75	7.90	46.89	8.02
	10	29.96	5.41	36.18	6.68	41.59	7.88	43.88	8.21	44.36	8.03	45.24	8.04	46.37	8.26
	12	29.96	5.50	36.18	6.82	41.59	8.02	43.26	8.33	43.84	8.17	44.62	8.14	45.75	8.29
	14	29.96	5.60	36.18	6.93	41.49	8.14	42.84	8.44	43.21	8.29	44.10	8.27	45.24	8.47
	16	29.96	5.69	36.18	7.07	40.98	8.29	42.22	8.56	42.59	8.54	43.48	8.38	44.62	8.61
	18	29.96	5.82	36.18	7.23	40.36	8.40	41.59	8.58	42.18	8.63	42.97	8.65	44.10	8.74
	20	29.96	5.95	36.18	7.68	39.75	8.80	41.07	9.00	41.55	9.05	42.35	9.08	43.48	9.18
	21	29.96	6.10	36.18	7.97	39.44	9.03	40.76	9.23	41.24	9.25	42.14	9.30	43.28	9.40
	23	29.96	6.53	36.18	8.55	39.04	9.45	40.14	9.64	40.62	9.66	41.52	9.73	42.66	9.82
	25	29.96	6.99	36.18	9.14	38.42	9.82	39.51	10.08	40.10	10.12	41.00	10.13	42.14	10.24
	27	29.96	7.45	36.18	9.76	37.91	10.23	39.10	10.48	39.47	10.54	40.38	10.59	41.52	10.70
	29	29.96	7.97	36.18	10.46	37.30	10.68	38.47	10.93	39.06	10.95	39.87	11.00	41.00	11.14
	31	29.96	8.50	35.98	11.06	36.69	11.07	37.95	11.34	38.44	11.36	39.25	11.47	40.38	11.61
	33	29.96	9.06	35.36	11.50	36.17	11.49	37.33	11.75	37.92	11.84	38.83	11.86	39.76	12.04
	35	29.96	9.67	34.74	11.89	35.56	11.94	36.81	12.23	37.29	12.26	38.21	12.36	39.25	12.44
	37	29.96	10.29	34.33	12.32	35.05	12.35	36.19	12.65	36.77	12.68	37.60	12.77	38.63	12.92
	39	29.96	10.93	33.71	12.46	34.44	12.77	35.67	13.09	36.15	13.18	37.08	13.20	38.21	13.35
41	29.96	11.51	33.30	12.58	34.13	12.90	35.35	13.21	35.84	13.28	36.67	13.25	36.77	13.48	
43	29.96	11.77	33.09	12.65	33.93	12.94	35.15	13.27	35.42	13.29	36.05	13.27	36.25	13.54	
46	29.96	12.38	32.88	12.76	33.62	13.05	34.83	13.32	34.90	13.36	35.01	13.31	35.53	13.81	
48	29.96	12.82	32.78	13.15	33.01	13.15	34.21	13.48	34.49	13.47	34.08	13.52	34.70	13.84	
50	26.96	11.78	29.50	12.09	29.71	12.10	30.79	12.36	31.04	12.40	30.68	12.48	31.23	12.75	
52	21.57	9.64	23.60	9.92	23.77	9.89	24.63	10.14	24.83	10.15	24.54	10.19	24.99	10.40	
55	15.10	6.91	16.52	7.09	16.64	7.08	17.24	7.26	17.38	7.26	17.18	7.30	17.49	7.46	
120%	-15	28.34	4.05	33.36	4.88	38.46	5.70	41.84	6.33	43.82	6.59	44.86	6.81	45.40	6.94
	-10	28.34	4.38	33.36	5.27	38.46	6.16	41.84	6.83	43.82	7.13	44.86	7.35	45.40	7.50
	-5	28.34	4.74	33.36	5.69	38.46	6.66	41.84	7.40	43.82	7.70	44.86	7.95	45.40	8.08
	-2	28.34	4.78	33.36	5.74	38.46	6.71	41.84	7.42	43.82	7.81	44.86	8.00	45.40	8.11
	0	28.34	4.83	33.36	5.77	38.46	6.79	41.84	7.46	43.82	7.86	44.86	8.07	45.40	8.13
	2	28.34	4.84	33.36	5.85	38.46	6.86	41.84	7.53	43.82	7.88	44.86	8.11	45.40	8.16
	4	28.34	4.88	33.36	5.92	38.46	6.94	41.84	7.58	43.82	7.99	44.86	8.14	45.40	8.18
	6	28.34	4.94	33.36	5.95	38.46	7.02	41.84	7.66	43.82	8.09	44.86	8.21	45.40	8.19
	8	28.34	4.98	33.36	6.02	38.46	7.13	41.84	7.78	43.82	8.16	44.86	8.23	45.40	8.23
	10	28.34	5.04	33.36	6.10	38.46	7.19	41.84	7.92	43.82	8.18	44.86	8.24	45.40	8.27
	12	28.34	5.14	33.36	6.23	38.46	7.34	41.84	8.04	43.19	8.21	44.23	8.22	44.78	8.32
	14	28.34	5.23	33.36	6.33	38.46	7.48	41.84	8.20	42.57	8.25	43.71	8.34	44.37	8.44
	16	28.34	5.34	33.36	6.46	38.46	7.63	41.63	8.37	42.05	8.37	43.09	8.49	43.75	8.56
	18	28.34	5.42	33.36	6.61	38.46	7.88	41.01	8.55	41.42	8.58	42.46	8.67	43.23	8.68
	20	28.34	5.55	33.36	6.85	38.46	8.47	40.49	8.99	41.01	9.01	41.94	9.08	42.62	9.10
	21	28.34	5.60	33.36	7.09	38.46	8.79	40.07	9.16	40.59	9.23	41.74	9.28	42.31	9.30
	23	28.34	5.99	33.36	7.62	38.46	9.37	39.55	9.61	40.07	9.63	41.11	9.76	41.69	9.73
	25	28.34	6.37	33.36	8.15	37.85	9.79	38.93	9.99	39.45	10.05	40.59	10.13	41.27	10.18
	27	28.34	6.83	33.36	8.68	37.34	10.18	38.51	10.42	38.93	10.51	39.97	10.61	40.65	10.58
	29	28.34	7.26	33.36	9.29	36.72	10.63	37.88	10.87	38.41	10.92	39.34	11.01	40.14	11.05
	31	28.34	7.77	33.36	9.92	36.11	11.04	37.36	11.27	37.88	11.34	38.82	11.46	39.52	11.46
	33	28.34	8.25	33.36	10.57	35.60	11.44	36.74	11.73	37.26	11.75	38.20	11.91	38.90	11.93
	35	28.34	8.81	33.36	11.29	34.98	11.86	36.12	12.16	36.74	12.21	37.78	12.31	38.38	12.33
	37	28.34	9.38	33.36	12.00	34.47	12.32	35.60	12.60	36.12	12.64	37.16	12.76	37.77	12.80
	39	28.34	9.94	33.26	12.68	33.86	12.72	34.97	12.99	35.49	13.08	36.64	13.21	37.25	13.25
41	28.34	10.24	32.95	12.80	33.65	12.81	34.76	13.09	35.18	13.18	36.32	13.27	36.22	13.32	
43	28.34	10.37	32.84	12.85	33.35	12.84	34.45	13.12	34.97	13.22	35.70	13.26	35.60	13.58	
46	28.34	10.49	32.64	12.97	33.04	12.98	34.14	13.29	34.66	13.30	34.97	13.33	35.29	13.87	
48	28.34	10.58	32.33	13.13	32.63	13.12	33.51	13.33	34.24	13.43	34.45	13.45	34.88	14.05	
50	25.50	9.75	29.09	12.10	29.37	12.06	30.16	12.31	30.82	12.34	31.01	12.41	31.39	12.95	
52	20.40	7.94	23.28	9.88	23.49	9.88	24.13	10.06	24.65	10.10	24.80	10.13	25.11	10.58	
55	14.28	5.70	16.29	7.06	16.45	7.07	16.89	7.19	17.26	7.23	17.36	7.25	17.58	7.59	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table2-8.3:12HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	25.94	3.54	30.85	4.39	35.26	5.16	37.60	5.51	40.49	6.02	43.84	6.29	44.92	6.49
	-10	25.94	3.83	30.85	4.76	35.26	5.58	37.60	5.97	40.49	6.50	43.84	6.82	44.92	7.00
	-5	25.94	4.13	30.85	5.14	35.26	6.01	37.60	6.44	40.49	7.02	43.84	7.36	44.92	7.57
	-2	25.94	4.21	30.85	5.19	35.26	6.07	37.60	6.52	40.49	7.08	43.84	7.43	44.92	7.61
	0	25.94	4.26	30.85	5.22	35.26	6.13	37.60	6.54	40.49	7.15	43.84	7.47	44.92	7.71
	2	25.94	4.36	30.85	5.28	35.26	6.20	37.60	6.63	40.49	7.25	43.84	7.60	44.92	7.82
	4	25.94	4.43	30.85	5.35	35.26	6.26	37.60	6.69	40.49	7.34	43.84	7.71	44.92	7.86
	6	25.94	4.47	30.85	5.40	35.26	6.34	37.60	6.79	40.49	7.45	43.84	7.79	44.92	8.01
	8	25.94	4.53	30.85	5.49	35.26	6.41	37.60	6.89	40.49	7.53	43.84	7.82	44.92	8.09
	10	25.94	4.57	30.85	5.56	35.26	6.51	37.60	6.98	40.49	7.64	43.84	7.90	44.92	8.14
	12	25.94	4.67	30.85	5.68	35.26	6.63	37.60	7.13	40.49	7.79	43.42	8.02	44.30	8.27
	14	25.94	4.75	30.85	5.77	35.26	6.74	37.60	7.26	40.49	7.93	42.80	8.07	43.78	8.32
	16	25.94	4.83	30.85	5.89	35.26	6.87	37.60	7.41	40.49	8.08	42.28	8.15	43.15	8.40
	18	25.94	4.94	30.85	5.99	35.26	7.02	37.60	7.61	40.49	8.46	41.66	8.59	42.63	8.69
	20	25.94	5.03	30.85	6.11	35.26	7.44	37.60	8.17	39.87	8.90	41.14	9.02	42.01	9.10
	21	25.94	5.08	30.85	6.28	35.26	7.70	37.60	8.47	39.66	9.08	40.72	9.20	41.80	9.30
	23	25.94	5.31	30.85	6.76	35.26	8.26	37.60	9.08	39.04	9.49	40.31	9.65	41.18	9.72
	25	25.94	5.68	30.85	7.22	35.26	8.82	37.60	9.73	38.52	9.91	39.68	10.05	40.66	10.15
	27	25.94	6.04	30.85	7.72	35.26	9.46	36.99	10.16	37.91	10.35	39.16	10.47	40.03	10.61
	29	25.94	6.44	30.85	8.25	35.26	10.10	36.48	10.59	37.49	10.77	38.54	10.91	39.51	11.01
	31	25.94	6.87	30.85	8.79	35.26	10.79	35.87	11.01	36.87	11.17	38.02	11.33	38.89	11.47
	33	25.94	7.31	30.85	9.36	34.95	11.34	35.36	11.38	36.36	11.60	37.40	11.75	38.47	11.90
	35	25.94	7.79	30.85	9.96	34.34	11.76	34.74	11.79	35.74	12.02	36.77	12.23	37.85	12.32
	37	25.94	8.28	30.85	10.64	33.82	12.22	34.24	12.24	35.12	12.42	36.25	12.66	37.22	12.76
	39	25.94	8.79	30.85	11.32	33.21	12.64	33.62	12.65	34.60	12.87	35.63	13.05	36.70	13.22
41	25.94	8.89	30.85	11.38	33.01	12.72	33.42	12.74	34.29	12.94	35.22	13.16	35.56	13.33	
43	25.94	8.95	30.85	11.52	32.70	12.78	33.11	12.82	34.08	13.04	34.90	13.25	35.04	13.60	
46	25.94	9.28	30.85	11.59	32.39	12.93	32.81	12.99	33.77	13.17	34.59	13.61	34.73	13.89	
48	25.94	9.57	30.85	12.57	31.88	12.98	32.30	13.05	33.36	13.31	33.97	13.59	34.31	14.02	
50	23.35	8.82	27.77	11.55	28.69	11.93	29.07	11.97	30.02	12.22	30.57	12.53	30.88	12.88	
52	18.68	7.20	22.21	9.45	22.96	9.77	23.26	9.82	24.02	10.00	24.46	10.22	24.71	10.54	
55	13.07	5.14	15.55	6.76	16.07	7.00	16.28	7.04	16.81	7.16	17.12	7.34	17.29	7.55	
100%	-15	23.00	3.16	27.09	3.75	31.61	4.49	33.50	4.81	36.37	5.25	40.82	5.99	42.65	6.16
	-10	23.00	3.41	27.09	4.05	31.61	4.84	33.50	5.19	36.37	5.67	40.82	6.48	42.65	6.66
	-5	23.00	3.69	27.09	4.38	31.61	5.24	33.50	5.60	36.37	6.14	40.82	6.97	42.65	7.21
	-2	23.00	3.73	27.09	4.44	31.61	5.28	33.50	5.71	36.37	6.20	40.82	7.07	42.65	7.25
	0	23.00	3.75	27.09	4.49	31.61	5.33	33.50	5.78	36.37	6.28	40.82	7.17	42.65	7.33
	2	23.00	3.84	27.09	4.55	31.61	5.40	33.50	5.85	36.37	6.35	40.82	7.28	42.65	7.44
	4	23.00	3.86	27.09	4.60	31.61	5.50	33.50	5.95	36.37	6.41	40.82	7.36	42.65	7.54
	6	23.00	3.91	27.09	4.69	31.61	5.54	33.50	6.05	36.37	6.52	40.82	7.47	42.65	7.63
	8	23.00	4.00	27.09	4.75	31.61	5.65	33.50	6.12	36.37	6.62	40.82	7.59	42.65	7.76
	10	23.00	4.04	27.09	4.83	31.61	5.75	33.50	6.21	36.37	6.73	40.82	7.68	42.65	7.86
	12	23.00	4.10	27.09	4.94	31.61	5.85	33.50	6.34	36.37	6.89	40.82	7.86	42.05	7.96
	14	23.00	4.18	27.09	5.03	31.61	5.95	33.50	6.47	36.37	6.98	40.82	7.99	41.55	8.05
	16	23.00	4.25	27.09	5.12	31.61	6.10	33.50	6.57	36.37	7.14	40.51	8.09	40.94	8.14
	18	23.00	4.34	27.09	5.21	31.61	6.18	33.50	6.71	36.37	7.29	40.11	8.36	40.44	8.34
	20	23.00	4.42	27.09	5.32	31.61	6.39	33.50	7.05	36.37	7.81	39.49	8.77	39.84	8.74
	21	23.00	4.47	27.09	5.37	31.61	6.64	33.50	7.30	36.37	8.08	39.19	8.99	39.64	8.95
	23	23.00	4.58	27.09	5.74	31.61	7.08	33.50	7.81	36.37	8.64	38.68	9.37	39.03	9.34
	25	23.00	4.88	27.09	6.11	31.61	7.60	33.50	8.39	36.37	9.28	38.07	9.79	38.53	9.73
	27	23.00	5.22	27.09	6.52	31.61	8.12	33.50	8.97	36.37	9.92	37.56	10.19	37.93	10.15
	29	23.00	5.53	27.09	6.96	31.61	8.66	33.50	9.58	36.17	10.55	37.05	10.60	37.42	10.58
	31	23.00	5.89	27.09	7.43	31.61	9.25	33.50	10.22	35.76	10.95	36.44	11.06	36.82	10.99
	33	23.00	6.25	27.09	7.91	31.61	9.86	33.50	10.89	35.15	11.34	35.93	11.42	36.32	11.39
	35	23.00	6.65	27.09	8.41	31.61	10.52	33.50	11.63	34.54	11.75	35.32	11.89	35.71	11.84
	37	23.00	7.07	27.09	8.97	31.61	11.19	32.90	12.05	34.03	12.18	34.81	12.32	35.11	12.27
	39	23.00	7.54	27.09	9.53	31.61	11.89	32.40	12.43	33.42	12.63	34.20	12.71	34.71	12.70
41	23.00	7.87	27.09	9.86	31.61	12.38	31.90	12.52	33.11	12.77	33.59	12.98	34.20	12.93	
43	23.00	8.22	27.09	10.21	31.61	12.57	31.40	12.66	32.91	12.90	33.79	13.12	33.60	13.09	
46	23.00	8.69	27.09	10.70	31.61	12.82	30.70	12.85	32.71	13.15	33.59	13.28	32.90	13.27	
48	23.00	9.06	27.09	11.08	31.61	12.80	29.50	13.01	32.71	13.40	31.45	13.44	32.19	13.35	
50	20.70	8.35	24.38	10.20	28.45	11.78	26.55	11.95	29.44	12.32	28.31	12.33	28.97	12.31	
52	16.56	6.82	19.50	8.34	22.76	9.67	21.24	9.78	23.55	10.10	22.65	10.10	23.18	10.09	
55	11.59	4.89	13.65	5.96	15.93	6.92	14.87	7.01	16.48	7.20	15.85	7.23	16.22	7.19	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.3:12HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	20.91	2.82	25.05	3.38	28.76	3.95	31.49	4.41	32.80	4.60	37.04	5.33	41.19	6.09
	-10	20.91	3.04	25.05	3.66	28.76	4.27	31.49	4.76	32.80	4.96	37.04	5.75	41.19	6.58
	-5	20.91	3.28	25.05	3.96	28.76	4.61	31.49	5.15	32.80	5.36	37.04	6.22	41.19	7.10
	-2	20.91	3.32	25.05	3.98	28.76	4.67	31.49	5.22	32.80	5.44	37.04	6.26	41.19	7.20
	0	20.91	3.37	25.05	4.04	28.76	4.74	31.49	5.29	32.80	5.49	37.04	6.35	41.19	7.26
	2	20.91	3.41	25.05	4.10	28.76	4.80	31.49	5.35	32.80	5.60	37.04	6.47	41.19	7.34
	4	20.91	3.48	25.05	4.16	28.76	4.87	31.49	5.44	32.80	5.66	37.04	6.56	41.19	7.46
	6	20.91	3.52	25.05	4.23	28.76	4.97	31.49	5.53	32.80	5.76	37.04	6.69	41.19	7.59
	8	20.91	3.59	25.05	4.31	28.76	5.06	31.49	5.60	32.80	5.86	37.04	6.79	41.19	7.63
	10	20.91	3.65	25.05	4.41	28.76	5.15	31.49	5.69	32.80	5.98	37.04	6.90	41.19	7.79
	12	20.91	3.72	25.05	4.50	28.76	5.24	31.49	5.80	32.80	6.10	37.04	7.02	41.19	7.91
	14	20.91	3.78	25.05	4.56	28.76	5.34	31.49	5.89	32.80	6.20	37.04	7.14	41.19	8.08
	16	20.91	3.84	25.05	4.66	28.76	5.45	31.49	6.01	32.80	6.33	37.04	7.29	40.99	8.23
	18	20.91	3.90	25.05	4.75	28.76	5.55	31.49	6.12	32.80	6.47	37.04	7.42	40.58	8.48
	20	20.91	3.99	25.05	4.87	28.76	5.67	31.49	6.27	32.80	6.70	37.04	7.98	39.96	8.86
	21	20.91	4.03	25.05	4.89	28.76	5.76	31.49	6.48	32.80	6.95	37.04	8.26	39.65	9.06
	23	20.91	4.10	25.05	5.07	28.76	6.17	31.49	6.93	32.80	7.46	37.04	8.87	39.03	9.48
	25	20.91	4.33	25.05	5.44	28.76	6.59	31.49	7.41	32.80	7.94	37.04	9.53	38.52	9.89
	27	20.91	4.61	25.05	5.78	28.76	7.05	31.49	7.91	32.80	8.53	37.04	10.18	37.90	10.31
	29	20.91	4.91	25.05	6.17	28.76	7.52	31.49	8.44	32.80	9.08	36.73	10.63	37.49	10.74
	31	20.91	5.21	25.05	6.57	28.76	7.98	31.49	9.02	32.80	9.71	36.11	11.06	36.87	11.14
	33	20.91	5.52	25.05	6.98	28.76	8.54	31.49	9.64	32.80	10.35	35.60	11.46	36.35	11.59
	35	20.91	5.87	25.05	7.44	28.76	9.10	31.49	10.26	32.80	11.04	34.98	11.92	35.74	12.00
	37	20.91	6.22	25.05	7.91	28.76	9.69	31.49	10.93	32.80	11.78	34.36	12.29	35.22	12.42
	39	20.91	6.60	25.05	8.41	28.76	10.29	31.49	11.61	32.80	12.49	33.85	12.72	34.60	12.83
	41	20.91	6.83	25.05	8.77	28.76	10.67	31.49	11.93	32.80	12.59	33.64	13.06	34.40	13.18
	43	20.91	7.15	25.05	9.19	28.76	11.05	31.49	12.23	32.80	12.89	33.44	13.21	34.09	13.36
	46	20.91	7.64	25.05	9.62	28.76	11.47	31.49	12.65	32.80	13.25	33.23	13.38	33.57	13.54
48	20.91	8.03	25.05	10.04	28.76	11.94	31.49	12.79	32.80	13.32	33.03	13.54	32.65	13.74	
50	18.82	7.42	22.54	9.26	25.89	10.98	28.34	11.80	29.52	12.27	29.72	12.47	29.38	12.64	
52	15.05	6.05	18.04	7.56	20.71	8.98	22.67	9.66	23.62	10.02	23.78	10.19	23.51	10.32	
55	10.54	4.33	12.62	5.42	14.50	6.41	15.87	6.91	16.53	7.19	16.65	7.32	16.45	7.40	
80%	-15	18.46	2.46	22.18	2.94	26.07	3.52	27.92	3.75	29.71	4.03	33.12	4.61	36.28	5.21
	-10	18.46	2.66	22.18	3.19	26.07	3.81	27.92	4.05	29.71	4.34	33.12	4.99	36.28	5.63
	-5	18.46	2.87	22.18	3.43	26.07	4.11	27.92	4.37	29.71	4.68	33.12	5.40	36.28	6.08
	-2	18.46	2.92	22.18	3.48	26.07	4.14	27.92	4.42	29.71	4.72	33.12	5.44	36.28	6.15
	0	18.46	2.96	22.18	3.51	26.07	4.20	27.92	4.48	29.71	4.82	33.12	5.52	36.28	6.23
	2	18.46	3.03	22.18	3.57	26.07	4.26	27.92	4.57	29.71	4.91	33.12	5.62	36.28	6.35
	4	18.46	3.08	22.18	3.64	26.07	4.34	27.92	4.67	29.71	4.98	33.12	5.73	36.28	6.44
	6	18.46	3.12	22.18	3.71	26.07	4.40	27.92	4.78	29.71	5.08	33.12	5.80	36.28	6.53
	8	18.46	3.18	22.18	3.81	26.07	4.51	27.92	4.86	29.71	5.20	33.12	5.90	36.28	6.66
	10	18.46	3.21	22.18	3.90	26.07	4.62	27.92	4.97	29.71	5.32	33.12	6.02	36.28	6.72
	12	18.46	3.26	22.18	3.95	26.07	4.71	27.92	5.08	29.71	5.44	33.12	6.14	36.28	6.87
	14	18.46	3.32	22.18	4.04	26.07	4.78	27.92	5.16	29.71	5.54	33.12	6.26	36.28	7.00
	16	18.46	3.37	22.18	4.10	26.07	4.89	27.92	5.25	29.71	5.62	33.12	6.38	36.28	7.12
	18	18.46	3.43	22.18	4.17	26.07	4.99	27.92	5.35	29.71	5.74	33.12	6.50	36.28	7.25
	20	18.46	3.49	22.18	4.26	26.07	5.07	27.92	5.46	29.71	5.84	33.12	6.76	36.28	7.76
	21	18.46	3.52	22.18	4.29	26.07	5.13	27.92	5.53	29.71	5.99	33.12	6.98	36.28	8.05
	23	18.46	3.59	22.18	4.38	26.07	5.36	27.92	5.88	29.71	6.39	33.12	7.49	36.28	8.63
	25	18.46	3.70	22.18	4.65	26.07	5.73	27.92	6.29	29.71	6.82	33.12	8.01	36.28	9.22
	27	18.46	3.94	22.18	4.96	26.07	6.12	27.92	6.70	29.71	7.31	33.12	8.57	36.28	9.88
	29	18.46	4.19	22.18	5.28	26.07	6.51	27.92	7.13	29.71	7.79	33.12	9.15	36.28	10.54
	31	18.46	4.45	22.18	5.63	26.07	6.93	27.92	7.59	29.71	8.31	33.12	9.75	35.66	10.98
	33	18.46	4.73	22.18	5.98	26.07	7.41	27.92	8.13	29.71	8.85	33.12	10.40	35.26	11.41
	35	18.46	5.02	22.18	6.34	26.07	7.86	27.92	8.64	29.71	9.45	33.12	11.10	34.64	11.83
	37	18.46	5.31	22.18	6.74	26.07	8.36	27.92	9.19	29.71	10.02	33.12	11.80	34.13	12.20
	39	18.46	5.64	22.18	7.19	26.07	8.89	27.92	9.79	29.71	10.68	33.12	12.58	33.52	12.63
	41	18.46	5.75	22.18	7.25	26.07	9.04	27.92	10.05	29.71	10.87	33.12	12.91	33.31	12.88
	43	18.46	5.92	22.18	7.33	26.07	9.17	27.92	10.23	29.71	11.05	33.12	13.07	33.11	12.98
	46	18.46	6.11	22.18	7.39	26.07	9.33	27.92	10.42	29.71	11.20	33.12	13.21	32.70	13.19
48	18.46	6.29	22.18	7.46	26.07	9.49	27.92	10.58	29.71	11.30	33.12	13.32	32.39	13.37	
50	16.61	5.79	19.97	6.84	23.46	8.73	25.13	9.70	26.74	10.42	29.81	12.27	29.15	12.34	
52	13.29	4.73	15.97	5.61	18.77	7.12	20.10	7.97	21.39	8.52	23.85	10.06	23.32	10.09	
55	9.30	3.39	11.18	4.01	13.14	5.11	14.07	5.70	14.97	6.10	16.69	7.17	16.33	7.23	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.3: 12HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	16.41	2.24	19.65	2.62	22.84	2.99	24.46	3.20	25.50	3.34	29.09	3.89	32.03	4.44
	-10	16.41	2.41	19.65	2.84	22.84	3.22	24.46	3.45	25.50	3.61	29.09	4.21	32.03	4.79
	-5	16.41	2.61	19.65	3.07	22.84	3.48	24.46	3.73	25.50	3.89	29.09	4.55	32.03	5.19
	-2	16.41	2.63	19.65	3.08	22.84	3.50	24.46	3.80	25.50	3.97	29.09	4.61	32.03	5.26
	0	16.41	2.64	19.65	3.13	22.84	3.58	24.46	3.86	25.50	4.03	29.09	4.71	32.03	5.33
	2	16.41	2.66	19.65	3.13	22.84	3.63	24.46	3.94	25.50	4.10	29.09	4.80	32.03	5.40
	4	16.41	2.70	19.65	3.21	22.84	3.70	24.46	4.01	25.50	4.21	29.09	4.88	32.03	5.53
	6	16.41	2.75	19.65	3.26	22.84	3.81	24.46	4.14	25.50	4.29	29.09	4.98	32.03	5.65
	8	16.41	2.78	19.65	3.37	22.84	3.90	24.46	4.21	25.50	4.40	29.09	5.13	32.03	5.74
	10	16.41	2.85	19.65	3.41	22.84	3.99	24.46	4.29	25.50	4.50	29.09	5.22	32.03	5.80
	12	16.41	2.91	19.65	3.47	22.84	4.08	24.46	4.37	25.50	4.58	29.09	5.31	32.03	5.92
	14	16.41	2.96	19.65	3.53	22.84	4.14	24.46	4.44	25.50	4.68	29.09	5.42	32.03	6.05
	16	16.41	3.01	19.65	3.60	22.84	4.22	24.46	4.52	25.50	4.77	29.09	5.52	32.03	6.14
	18	16.41	3.05	19.65	3.66	22.84	4.30	24.46	4.62	25.50	4.83	29.09	5.63	32.03	6.27
	20	16.41	3.12	19.65	3.73	22.84	4.39	24.46	4.70	25.50	4.92	29.09	5.74	32.03	6.44
	21	16.41	3.15	19.65	3.77	22.84	4.41	24.46	4.75	25.50	4.99	29.09	5.82	32.03	6.67
	23	16.41	3.20	19.65	3.82	22.84	4.52	24.46	4.89	25.50	5.24	29.09	6.25	32.03	7.15
	25	16.41	3.25	19.65	3.98	22.84	4.80	24.46	5.25	25.50	5.57	29.09	6.66	32.03	7.65
	27	16.41	3.45	19.65	4.24	22.84	5.13	24.46	5.59	25.50	5.96	29.09	7.12	32.03	8.19
	29	16.41	3.67	19.65	4.51	22.84	5.46	24.46	5.94	25.50	6.35	29.09	7.59	32.03	8.73
	31	16.41	3.86	19.65	4.78	22.84	5.82	24.46	6.33	25.50	6.75	29.09	8.08	32.03	9.30
	33	16.41	4.11	19.65	5.07	22.84	6.18	24.46	6.75	25.50	7.19	29.09	8.61	32.03	9.92
	35	16.41	4.34	19.65	5.37	22.84	6.56	24.46	7.18	25.50	7.66	29.09	9.16	32.03	10.60
	37	16.41	4.59	19.65	5.71	22.84	6.98	24.46	7.60	25.50	8.16	29.09	9.79	32.03	11.26
	39	16.41	4.87	19.65	6.05	22.84	7.38	24.46	8.09	25.50	8.64	29.09	10.40	32.03	12.01
41	16.41	5.08	19.65	6.25	22.84	7.61	24.46	8.37	25.50	8.90	29.09	10.84	32.03	12.52	
43	16.41	5.51	19.65	6.70	22.84	7.92	24.46	8.82	25.50	9.17	29.09	11.21	32.03	12.96	
46	16.41	5.62	19.65	6.82	22.84	8.07	24.46	8.94	25.50	9.62	29.09	11.80	32.03	13.43	
48	16.41	5.72	19.65	6.89	22.84	8.17	24.46	9.11	25.50	9.89	29.09	12.36	32.03	13.78	
50	14.77	5.26	17.69	6.33	20.55	7.54	22.01	8.36	22.95	9.11	26.18	11.41	28.83	12.67	
52	11.82	4.31	14.15	5.17	16.44	6.16	17.61	6.84	18.36	7.47	20.94	9.31	23.06	10.36	
55	8.27	3.09	9.90	3.71	11.51	4.40	12.33	4.91	12.85	5.33	14.66	6.67	16.14	7.39	
60%	-15	14.06	1.92	16.68	2.19	19.34	2.55	20.90	2.75	22.27	2.98	24.48	3.28	27.52	3.80
	-10	14.06	2.07	16.68	2.37	19.34	2.76	20.90	2.98	22.27	3.22	24.48	3.54	27.52	4.09
	-5	14.06	2.24	16.68	2.56	19.34	2.98	20.90	3.22	22.27	3.48	24.48	3.82	27.52	4.43
	-2	14.06	2.24	16.68	2.61	19.34	3.03	20.90	3.25	22.27	3.50	24.48	3.89	27.52	4.45
	0	14.06	2.28	16.68	2.63	19.34	3.07	20.90	3.30	22.27	3.57	24.48	3.93	27.52	4.52
	2	14.06	2.31	16.68	2.69	19.34	3.14	20.90	3.36	22.27	3.61	24.48	4.00	27.52	4.56
	4	14.06	2.39	16.68	2.75	19.34	3.19	20.90	3.40	22.27	3.66	24.48	4.07	27.52	4.63
	6	14.06	2.40	16.68	2.80	19.34	3.26	20.90	3.47	22.27	3.74	24.48	4.16	27.52	4.74
	8	14.06	2.46	16.68	2.84	19.34	3.32	20.90	3.54	22.27	3.82	24.48	4.23	27.52	4.83
	10	14.06	2.51	16.68	2.91	19.34	3.37	20.90	3.65	22.27	3.89	24.48	4.31	27.52	4.89
	12	14.06	2.56	16.68	2.95	19.34	3.43	20.90	3.71	22.27	3.95	24.48	4.39	27.52	4.98
	14	14.06	2.59	16.68	3.00	19.34	3.48	20.90	3.78	22.27	4.05	24.48	4.47	27.52	5.07
	16	14.06	2.62	16.68	3.05	19.34	3.53	20.90	3.85	22.27	4.09	24.48	4.54	27.52	5.17
	18	14.06	2.66	16.68	3.09	19.34	3.61	20.90	3.89	22.27	4.18	24.48	4.62	27.52	5.26
	20	14.06	2.70	16.68	3.16	19.34	3.66	20.90	3.99	22.27	4.26	24.48	4.72	27.52	5.38
	21	14.06	2.74	16.68	3.18	19.34	3.70	20.90	4.02	22.27	4.30	24.48	4.78	27.52	5.41
	23	14.06	2.76	16.68	3.25	19.34	3.76	20.90	4.10	22.27	4.38	24.48	4.97	27.52	5.77
	25	14.06	2.81	16.68	3.28	19.34	3.90	20.90	4.29	22.27	4.64	24.48	5.29	27.52	6.16
	27	14.06	2.92	16.68	3.49	19.34	4.16	20.90	4.59	22.27	4.95	24.48	5.63	27.52	6.56
	29	14.06	3.09	16.68	3.71	19.34	4.43	20.90	4.88	22.27	5.28	24.48	6.02	27.52	7.02
	31	14.06	3.28	16.68	3.92	19.34	4.71	20.90	5.17	22.27	5.63	24.48	6.40	27.52	7.46
	33	14.06	3.47	16.68	4.17	19.34	5.00	20.90	5.51	22.27	5.98	24.48	6.80	27.52	7.97
	35	14.06	3.67	16.68	4.43	19.34	5.29	20.90	5.82	22.27	6.35	24.48	7.27	27.52	8.48
	37	14.06	3.88	16.68	4.69	19.34	5.61	20.90	6.19	22.27	6.72	24.48	7.71	27.52	9.02
	39	14.06	4.08	16.68	4.94	19.34	5.94	20.90	6.55	22.27	7.15	24.48	8.20	27.52	9.60
41	14.06	4.21	16.68	5.18	19.34	6.18	20.90	6.82	22.27	7.42	24.48	8.56	27.52	10.00	
43	14.06	4.36	16.68	5.40	19.34	6.40	20.90	7.03	22.27	7.68	24.48	8.93	27.52	10.44	
46	14.06	4.55	16.68	5.66	19.34	6.65	20.90	7.29	22.27	8.04	24.48	9.33	27.52	11.06	
48	14.06	4.73	16.68	5.90	19.34	6.86	20.90	7.48	22.27	8.35	24.48	9.67	27.52	11.57	
50	12.66	4.35	15.02	5.41	17.41	6.32	18.81	6.87	20.05	7.67	22.03	8.88	24.77	10.63	
52	10.13	3.56	12.01	4.44	13.93	5.18	15.05	5.63	16.04	6.29	17.62	7.29	19.82	8.70	
55	7.09	2.54	8.41	3.17	9.75	3.71	10.53	4.02	11.23	4.49	12.34	5.22	13.87	6.24	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.3:12HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	11.78	1.67	13.80	1.89	16.06	2.16	17.30	2.29	18.14	2.39	20.78	2.77	23.23	2.99
	-10	11.78	1.80	13.80	2.04	16.06	2.33	17.30	2.47	18.14	2.58	20.78	2.99	23.23	3.23
	-5	11.78	1.94	13.80	2.20	16.06	2.52	17.30	2.67	18.14	2.79	20.78	3.22	23.23	3.49
	-2	11.78	1.96	13.80	2.25	16.06	2.56	17.30	2.70	18.14	2.83	20.78	3.28	23.23	3.53
	0	11.78	2.00	13.80	2.28	16.06	2.61	17.30	2.75	18.14	2.86	20.78	3.32	23.23	3.60
	2	11.78	2.02	13.80	2.31	16.06	2.65	17.30	2.79	18.14	2.92	20.78	3.35	23.23	3.66
	4	11.78	2.04	13.80	2.35	16.06	2.68	17.30	2.82	18.14	2.98	20.78	3.43	23.23	3.75
	6	11.78	2.07	13.80	2.38	16.06	2.71	17.30	2.87	18.14	3.03	20.78	3.48	23.23	3.87
	8	11.78	2.13	13.80	2.42	16.06	2.76	17.30	2.95	18.14	3.07	20.78	3.52	23.23	3.99
	10	11.78	2.17	13.80	2.45	16.06	2.81	17.30	2.99	18.14	3.16	20.78	3.62	23.23	4.05
	12	11.78	2.19	13.80	2.49	16.06	2.85	17.30	3.05	18.14	3.22	20.78	3.69	23.23	4.13
	14	11.78	2.22	13.80	2.52	16.06	2.89	17.30	3.11	18.14	3.27	20.78	3.75	23.23	4.20
	16	11.78	2.25	13.80	2.55	16.06	2.93	17.30	3.17	18.14	3.31	20.78	3.81	23.23	4.26
	18	11.78	2.29	13.80	2.60	16.06	2.98	17.30	3.21	18.14	3.38	20.78	3.88	23.23	4.35
	20	11.78	2.32	13.80	2.63	16.06	3.03	17.30	3.27	18.14	3.44	20.78	3.94	23.23	4.41
	21	11.78	2.33	13.80	2.67	16.06	3.06	17.30	3.28	18.14	3.47	20.78	4.00	23.23	4.48
	23	11.78	2.37	13.80	2.69	16.06	3.10	17.30	3.36	18.14	3.54	20.78	4.06	23.23	4.57
	25	11.78	2.39	13.80	2.74	16.06	3.17	17.30	3.42	18.14	3.65	20.78	4.27	23.23	4.89
	27	11.78	2.44	13.80	2.85	16.06	3.34	17.30	3.63	18.14	3.87	20.78	4.54	23.23	5.21
	29	11.78	2.57	13.80	3.02	16.06	3.55	17.30	3.87	18.14	4.12	20.78	4.83	23.23	5.53
	31	11.78	2.72	13.80	3.18	16.06	3.75	17.30	4.10	18.14	4.37	20.78	5.15	23.23	5.89
	33	11.78	2.87	13.80	3.38	16.06	3.99	17.30	4.34	18.14	4.65	20.78	5.46	23.23	6.27
	35	11.78	3.03	13.80	3.56	16.06	4.21	17.30	4.59	18.14	4.92	20.78	5.80	23.23	6.66
37	11.78	3.20	13.80	3.77	16.06	4.47	17.30	4.87	18.14	5.20	20.78	6.14	23.23	7.09	
39	11.78	3.39	13.80	3.96	16.06	4.73	17.30	5.15	18.14	5.52	20.78	6.53	23.23	7.49	
41	11.78	3.52	13.80	4.14	16.06	4.89	17.30	5.41	18.14	5.77	20.78	6.86	23.23	7.86	
43	11.78	3.75	13.80	4.42	16.06	5.07	17.30	5.63	18.14	5.90	20.78	7.21	23.23	8.22	
46	11.78	3.85	13.80	4.55	16.06	5.41	17.30	6.08	18.14	6.17	20.78	7.92	23.23	8.92	
48	11.78	3.92	13.80	4.66	16.06	5.71	17.30	6.48	18.14	6.46	20.78	8.55	23.23	9.58	
50	10.61	3.60	12.42	4.29	14.45	5.26	15.57	5.98	16.32	5.96	18.70	7.86	20.91	8.84	
52	8.48	2.94	9.93	3.50	11.56	4.29	12.46	4.89	13.06	4.87	14.96	6.43	16.73	7.22	
55	5.94	2.10	6.95	2.51	8.09	3.07	8.72	3.50	9.14	3.48	10.47	4.60	11.71	5.16	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table 2-8.4: 14HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	36.42	5.04	43.56	6.16	49.90	6.52	51.30	6.72	54.53	7.03	56.30	7.70	57.54	7.72
	-10	36.42	5.45	43.56	6.67	49.90	7.06	51.30	7.29	54.53	7.57	56.30	8.34	57.54	8.34
	-5	36.42	5.89	43.56	7.18	49.90	7.60	51.30	7.85	54.53	8.19	56.30	8.97	57.54	9.01
	-2	36.42	5.88	43.56	7.33	49.90	7.63	51.30	7.91	54.53	8.17	56.30	9.12	57.54	9.09
	0	36.42	5.98	43.56	7.47	49.90	7.90	51.30	8.32	54.53	8.65	56.30	9.19	57.54	9.20
	2	36.42	6.10	43.56	7.50	49.90	8.17	51.30	8.79	54.53	8.78	56.30	9.27	57.54	9.36
	4	36.42	6.24	43.56	7.63	49.90	8.46	51.30	8.85	54.53	8.88	56.30	9.40	57.54	9.54
	6	36.42	6.35	43.56	7.79	49.90	8.77	51.30	8.94	53.91	9.16	55.68	9.57	56.92	9.62
	8	36.42	6.52	43.56	7.96	49.90	9.18	51.30	9.37	53.19	9.43	55.05	9.60	56.19	9.69
	10	36.42	6.65	43.56	8.14	49.90	9.52	51.30	9.66	52.57	9.65	54.43	9.74	55.57	9.96
	12	36.42	6.76	43.56	8.30	49.90	9.74	50.59	9.80	51.95	9.79	53.70	9.89	54.84	10.04
	14	36.42	6.90	43.56	8.45	49.70	9.90	49.98	9.95	51.23	9.90	53.08	10.04	54.22	10.28
	16	36.42	7.02	43.56	8.63	49.18	10.00	49.27	10.06	50.51	10.23	52.35	10.19	53.50	10.45
	18	36.42	7.12	43.56	8.78	48.36	10.16	48.55	10.15	49.89	10.34	51.72	10.54	52.87	10.59
	20	36.42	7.30	43.56	9.34	47.64	10.68	47.94	10.63	49.17	10.84	51.00	11.04	52.15	11.10
	21	36.42	7.49	43.56	9.66	47.34	10.94	47.74	10.88	48.86	11.07	50.68	11.28	51.84	11.36
	23	36.42	8.03	43.56	10.39	46.82	11.43	46.92	11.40	48.14	11.57	49.95	11.79	51.11	11.86
	25	36.42	8.58	43.56	11.14	46.10	11.90	46.21	11.88	47.52	12.10	49.33	12.34	50.49	12.41
	27	36.42	9.16	43.56	11.93	45.49	12.44	45.70	12.36	46.80	12.62	48.60	12.86	49.76	12.93
	29	36.42	9.79	43.56	12.74	44.77	12.94	44.89	12.87	46.28	13.14	47.98	13.40	49.14	13.50
	31	36.42	10.44	43.36	13.45	44.05	13.44	44.38	13.41	45.46	13.62	47.25	13.92	48.42	13.99
	33	36.42	11.14	42.63	13.97	43.43	13.95	43.67	13.87	44.94	14.15	46.73	14.41	47.69	14.53
	35	36.42	11.85	41.90	14.46	42.72	14.49	43.06	14.42	44.22	14.67	45.90	15.01	47.07	15.05
	37	36.42	12.59	41.28	14.98	42.10	14.96	42.34	14.93	43.60	15.20	45.17	15.52	46.34	15.66
	39	36.42	13.45	40.55	15.18	41.38	15.47	41.73	15.43	42.88	15.73	44.65	16.04	45.72	16.19
	41	36.42	14.15	40.13	15.32	40.97	15.59	41.33	15.56	42.37	15.89	44.13	16.09	43.96	16.33
	43	36.42	14.49	39.82	15.35	40.66	15.63	41.12	15.68	41.95	15.87	43.40	16.12	43.44	16.40
	46	36.42	15.24	39.61	15.50	40.25	15.79	40.61	15.78	41.33	15.96	42.15	16.21	42.61	16.70
	48	36.42	15.75	39.51	16.01	39.63	15.92	40.00	15.90	40.82	16.12	41.11	16.48	41.68	16.75
	50	32.78	14.45	35.56	14.70	35.67	14.68	36.00	14.63	36.74	14.86	37.00	15.13	37.51	15.37
52	26.23	11.83	28.45	12.05	28.54	12.02	28.80	11.94	29.39	12.17	29.60	12.37	30.01	12.62	
55	18.36	8.46	19.91	8.62	19.98	8.59	20.16	8.56	20.57	8.71	20.72	8.87	21.01	9.01	
120%	-15	33.65	4.88	39.71	5.85	46.10	6.90	48.86	7.46	51.65	7.84	52.37	8.05	53.70	8.27
	-10	33.65	5.27	39.71	6.32	46.10	7.47	48.86	8.05	51.65	8.50	52.37	8.69	53.70	8.94
	-5	33.65	5.71	39.71	6.83	46.10	8.07	48.86	8.72	51.65	9.17	52.37	9.38	53.70	9.64
	-2	33.65	5.75	39.71	6.90	46.10	8.15	48.86	8.77	51.65	9.25	52.37	9.43	53.70	9.68
	0	33.65	5.81	39.71	6.93	46.10	8.23	48.86	8.76	51.65	9.33	52.37	9.51	53.70	9.71
	2	33.65	5.81	39.71	7.01	46.10	8.28	48.86	8.85	51.65	9.40	52.37	9.60	53.70	9.70
	4	33.65	5.89	39.71	7.10	46.10	8.39	48.86	8.93	51.65	9.52	52.37	9.58	53.70	9.72
	6	33.65	5.92	39.71	7.17	46.10	8.52	48.86	9.05	51.65	9.62	52.37	9.68	53.70	9.78
	8	33.65	5.98	39.71	7.24	46.10	8.60	48.86	9.16	51.65	9.70	52.37	9.71	53.70	9.80
	10	33.65	6.06	39.71	7.31	46.10	8.70	48.86	9.30	51.65	9.69	52.37	9.72	53.70	9.88
	12	33.65	6.18	39.71	7.47	46.10	8.89	48.86	9.49	50.93	9.77	51.66	9.68	52.98	9.92
	14	33.65	6.29	39.71	7.62	46.10	9.03	48.86	9.69	50.21	9.83	51.05	9.82	52.37	10.06
	16	33.65	6.42	39.71	7.77	46.10	9.22	48.55	9.87	49.60	9.94	50.33	9.98	51.66	10.21
	18	33.65	6.54	39.71	7.92	46.10	9.53	47.84	10.06	48.88	10.20	49.62	10.25	51.04	10.34
	20	33.65	6.67	39.71	8.21	46.10	10.27	47.23	10.56	48.26	10.71	49.01	10.72	50.33	10.83
	21	33.65	6.71	39.71	8.52	46.10	10.60	46.82	10.81	47.85	10.98	48.80	10.96	50.02	11.13
	23	33.65	7.19	39.71	9.12	46.10	11.34	46.21	11.29	47.23	11.49	47.99	11.51	49.31	11.58
	25	33.65	7.68	39.71	9.76	45.28	11.87	45.50	11.81	46.51	11.96	47.48	11.99	48.69	12.10
	27	33.65	8.20	39.71	10.45	44.77	12.37	44.89	12.30	45.90	12.46	46.77	12.47	47.98	12.65
	29	33.65	8.72	39.71	11.16	44.05	12.81	44.18	12.78	45.18	12.98	45.95	13.02	47.37	13.13
	31	33.65	9.31	39.71	11.88	43.23	13.39	43.67	13.33	44.56	13.51	45.44	13.52	46.65	13.70
	33	33.65	9.94	39.71	12.68	42.72	13.87	42.85	13.84	43.84	14.00	44.73	14.07	45.94	14.23
	35	33.65	10.57	39.71	13.54	42.00	14.36	42.14	14.28	43.23	14.52	44.12	14.52	45.33	14.76
	37	33.65	11.27	39.71	14.45	41.38	14.87	41.63	14.85	42.51	15.03	43.40	15.03	44.61	15.30
	39	33.65	11.96	39.51	15.24	40.66	15.36	40.82	15.36	41.79	15.52	42.79	15.57	44.00	15.75
	41	33.65	12.31	39.20	15.36	40.35	15.52	40.51	15.45	41.48	15.64	42.49	15.61	42.77	15.90
	43	33.65	12.48	38.99	15.45	40.05	15.58	40.21	15.50	41.18	15.68	41.77	15.65	42.16	16.23
	46	33.65	12.65	38.79	15.61	39.63	15.72	39.80	15.67	40.76	15.81	40.86	15.73	41.65	16.59
	48	33.65	12.73	38.48	15.73	39.12	15.83	39.19	15.71	40.35	15.96	40.25	15.87	41.14	16.74
	50	30.29	11.69	34.63	14.54	35.21	14.57	35.27	14.52	36.32	14.69	36.22	14.62	37.03	15.42
52	24.23	9.58	27.70	11.89	28.17	11.94	28.22	11.86	29.05	12.05	28.98	11.96	29.62	12.63	
55	16.96	6.83	19.39	8.49	19.72	8.56	19.75	8.47	20.34	8.61	20.28	8.56	20.73	9.02	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.4:14HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	30.20	4.16	36.10	5.20	42.32	6.27	44.87	6.67	48.76	7.30	52.25	7.59	53.70	7.84
	-10	30.20	4.50	36.10	5.63	42.32	6.76	44.87	7.19	48.76	7.90	52.25	8.17	53.70	8.45
	-5	30.20	4.85	36.10	6.09	42.32	7.32	44.87	7.77	48.76	8.52	52.25	8.82	53.70	9.12
	-2	30.20	4.95	36.10	6.16	42.32	7.40	44.87	7.83	48.76	8.59	52.25	8.94	53.70	9.21
	0	30.20	5.02	36.10	6.17	42.32	7.45	44.87	7.91	48.76	8.70	52.25	8.99	53.70	9.29
	2	30.20	5.11	36.10	6.25	42.32	7.57	44.87	8.01	48.76	8.81	52.25	9.13	53.70	9.44
	4	30.20	5.23	36.10	6.33	42.32	7.64	44.87	8.08	48.76	8.93	52.25	9.26	53.70	9.49
	6	30.20	5.26	36.10	6.40	42.32	7.70	44.87	8.23	48.76	9.03	52.25	9.35	53.70	9.64
	8	30.20	5.31	36.10	6.49	42.32	7.79	44.87	8.31	48.76	9.13	52.25	9.41	53.70	9.75
	10	30.20	5.37	36.10	6.58	42.32	7.88	44.87	8.45	48.76	9.29	52.25	9.51	53.70	9.83
	12	30.20	5.50	36.10	6.70	42.32	8.06	44.87	8.63	48.76	9.45	51.73	9.63	52.97	9.99
	14	30.20	5.60	36.10	6.81	42.32	8.18	44.87	8.75	48.76	9.62	50.90	9.69	52.35	10.02
	16	30.20	5.68	36.10	6.97	42.32	8.37	44.87	8.93	48.76	9.80	50.39	9.84	51.62	10.16
	18	30.20	5.80	36.10	7.10	42.32	8.54	44.87	9.20	48.76	10.30	49.66	10.33	51.00	10.49
	20	30.20	5.90	36.10	7.24	42.32	9.01	44.87	9.87	47.93	10.81	49.04	10.86	50.27	10.95
	21	30.20	5.96	36.10	7.44	42.32	9.37	44.87	10.22	47.72	11.06	48.62	11.06	49.95	11.25
	23	30.20	6.24	36.10	7.99	42.32	10.04	44.87	11.00	46.89	11.51	48.00	11.60	49.23	11.75
	25	30.20	6.68	36.10	8.52	42.32	10.73	44.87	11.78	46.37	12.04	47.28	12.13	48.60	12.28
	27	30.20	7.10	36.10	9.15	42.32	11.50	44.16	12.23	45.64	12.51	46.65	12.59	47.87	12.78
	29	30.20	7.58	36.10	9.77	42.32	12.27	43.55	12.74	45.02	13.06	45.93	13.17	47.25	13.28
	31	30.20	8.09	36.10	10.37	42.32	13.12	42.83	13.24	44.29	13.58	45.31	13.67	46.52	13.85
	33	30.20	8.60	36.10	11.07	42.12	13.83	42.22	13.75	43.67	14.09	44.58	14.17	45.90	14.35
	35	30.20	9.13	36.10	11.79	41.29	14.33	41.51	14.25	42.94	14.62	43.85	14.67	45.17	14.90
	37	30.20	9.74	36.10	12.58	40.78	14.79	40.90	14.71	42.21	15.11	43.23	15.20	44.44	15.39
	39	30.20	10.35	36.10	13.40	40.06	15.30	40.18	15.27	41.59	15.64	42.51	15.71	43.81	15.96
41	30.20	10.44	36.10	13.48	39.75	15.42	39.88	15.36	41.28	15.77	41.99	15.88	42.57	16.03	
43	30.20	10.53	36.10	13.66	39.34	15.57	39.57	15.50	40.97	15.85	41.57	15.89	41.84	16.41	
46	30.20	10.87	36.10	13.75	39.03	15.72	39.16	15.67	40.55	15.96	41.16	16.34	41.52	16.74	
48	30.20	11.27	36.10	14.90	38.41	15.73	38.55	15.73	40.13	16.13	40.54	16.39	41.00	16.95	
50	27.18	10.38	32.49	13.66	34.57	14.49	34.70	14.49	36.12	14.83	36.48	15.05	36.90	15.55	
52	21.75	8.48	25.99	11.20	27.66	11.89	27.76	11.86	28.90	12.12	29.19	12.35	29.52	12.72	
55	15.22	6.05	18.20	8.02	19.36	8.51	19.43	8.47	20.23	8.70	20.43	8.82	20.67	9.13	
100%	-15	27.43	3.80	32.23	4.52	38.03	5.43	40.00	5.80	42.90	6.25	48.57	7.20	51.00	7.45
	-10	27.43	4.10	32.23	4.86	38.03	5.88	40.00	6.26	42.90	6.77	48.57	7.77	51.00	8.05
	-5	27.43	4.42	32.23	5.27	38.03	6.36	40.00	6.76	42.90	7.31	48.57	8.37	51.00	8.71
	-2	27.43	4.47	32.23	5.33	38.03	6.43	40.00	6.88	42.90	7.40	48.57	8.47	51.00	8.73
	0	27.43	4.53	32.23	5.39	38.03	6.50	40.00	6.96	42.90	7.48	48.57	8.62	51.00	8.85
	2	27.43	4.62	32.23	5.48	38.03	6.56	40.00	7.07	42.90	7.54	48.57	8.73	51.00	8.97
	4	27.43	4.64	32.23	5.51	38.03	6.67	40.00	7.16	42.90	7.66	48.57	8.81	51.00	9.08
	6	27.43	4.71	32.23	5.63	38.03	6.75	40.00	7.29	42.90	7.78	48.57	8.97	51.00	9.25
	8	27.43	4.81	32.23	5.71	38.03	6.88	40.00	7.37	42.90	7.88	48.57	9.08	51.00	9.37
	10	27.43	4.85	32.23	5.81	38.03	6.97	40.00	7.50	42.90	8.04	48.57	9.25	51.00	9.51
	12	27.43	4.95	32.23	5.94	38.03	7.11	40.00	7.63	42.90	8.17	48.57	9.43	50.30	9.60
	14	27.43	5.03	32.23	6.04	38.03	7.26	40.00	7.78	42.90	8.35	48.57	9.60	49.69	9.70
	16	27.43	5.13	32.23	6.16	38.03	7.38	40.00	7.94	42.90	8.53	48.26	9.73	48.99	9.80
	18	27.43	5.22	32.23	6.28	38.03	7.52	40.00	8.09	42.90	8.67	47.65	10.03	48.38	10.06
	20	27.43	5.33	32.23	6.39	38.03	7.74	40.00	8.50	42.90	9.30	46.94	10.51	47.68	10.55
	21	27.43	5.36	32.23	6.47	38.03	8.05	40.00	8.81	42.90	9.60	46.64	10.78	47.37	10.81
	23	27.43	5.49	32.23	6.88	38.03	8.60	40.00	9.43	42.90	10.29	46.03	11.23	46.67	11.31
	25	27.43	5.85	32.23	7.35	38.03	9.24	40.00	10.12	42.90	11.06	45.32	11.77	46.06	11.75
	27	27.43	6.27	32.23	7.84	38.03	9.85	40.00	10.81	42.90	11.81	44.61	12.24	45.36	12.29
	29	27.43	6.65	32.23	8.37	38.03	10.51	40.00	11.55	42.69	12.53	44.00	12.72	44.75	12.79
	31	27.43	7.12	32.23	8.92	38.03	11.22	40.00	12.30	42.19	13.03	43.29	13.22	44.05	13.28
	33	27.43	7.53	32.23	9.52	38.03	11.95	40.00	13.15	41.39	13.55	42.69	13.74	43.44	13.79
	35	27.43	8.03	32.23	10.12	38.03	12.74	40.00	14.04	40.68	14.03	41.98	14.23	42.74	14.25
	37	27.43	8.51	32.23	10.79	38.03	13.61	39.30	14.52	40.18	14.54	41.47	14.79	42.03	14.82
	39	27.43	9.04	32.23	11.47	38.03	14.50	38.70	14.99	39.37	15.02	40.66	15.23	41.43	15.34
41	27.43	9.47	32.23	11.84	38.03	14.98	38.10	15.09	39.07	15.25	39.95	15.59	40.82	15.66	
43	27.43	9.89	32.23	12.31	38.03	15.24	37.50	15.27	38.87	15.40	40.25	15.69	40.12	15.78	
46	27.43	10.48	32.23	12.82	38.03	15.53	36.70	15.51	38.67	15.67	39.85	15.97	39.31	16.00	
48	27.43	10.93	32.23	13.28	38.03	15.56	35.20	15.66	38.57	15.96	37.41	16.09	38.50	16.15	
50	24.69	10.03	29.00	12.23	34.23	14.31	31.68	14.42	34.71	14.66	33.67	14.85	34.65	14.86	
52	19.75	8.21	23.20	10.03	27.38	11.70	25.34	11.81	27.77	12.01	26.94	12.16	27.72	12.19	
55	13.82	5.87	16.24	7.17	19.17	8.37	17.74	8.45	19.44	8.59	18.86	8.69	19.41	8.71	

Abbreviations:  
 CR: Combination ratio  
 TC: Total capacity (kW)  
 PI: Power input (compressor + outdoor fan motor) (kW)  
 Notes:  
 Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table2-8.4:14HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	25.19	3.42	30.12	4.12	35.07	4.86	37.43	5.31	39.75	5.64	43.77	6.36	48.69	7.28
	-10	25.19	3.69	30.12	4.46	35.07	5.26	37.43	5.72	39.75	6.08	43.77	6.85	48.69	7.88
	-5	25.19	3.99	30.12	4.81	35.07	5.69	37.43	6.17	39.75	6.56	43.77	7.39	48.69	8.51
	-2	25.19	4.03	30.12	4.84	35.07	5.76	37.43	6.28	39.75	6.63	43.77	7.50	48.69	8.61
	0	25.19	4.09	30.12	4.91	35.07	5.83	37.43	6.35	39.75	6.72	43.77	7.58	48.69	8.67
	2	25.19	4.15	30.12	4.98	35.07	5.88	37.43	6.44	39.75	6.84	43.77	7.72	48.69	8.80
	4	25.19	4.21	30.12	5.05	35.07	6.01	37.43	6.53	39.75	6.93	43.77	7.85	48.69	8.91
	6	25.19	4.27	30.12	5.15	35.07	6.11	37.43	6.65	39.75	7.03	43.77	7.98	48.69	9.07
	8	25.19	4.35	30.12	5.24	35.07	6.23	37.43	6.74	39.75	7.17	43.77	8.10	48.69	9.16
	10	25.19	4.43	30.12	5.36	35.07	6.34	37.43	6.82	39.75	7.34	43.77	8.22	48.69	9.30
	12	25.19	4.53	30.12	5.45	35.07	6.46	37.43	6.95	39.75	7.46	43.77	8.39	48.69	9.48
	14	25.19	4.60	30.12	5.56	35.07	6.58	37.43	7.08	39.75	7.62	43.77	8.50	48.69	9.63
	16	25.19	4.68	30.12	5.64	35.07	6.71	37.43	7.24	39.75	7.77	43.77	8.70	48.59	9.78
	18	25.19	4.75	30.12	5.76	35.07	6.81	37.43	7.36	39.75	7.93	43.77	8.86	47.98	10.09
	20	25.19	4.83	30.12	5.91	35.07	6.96	37.43	7.53	39.75	8.19	43.77	9.53	47.27	10.61
	21	25.19	4.88	30.12	5.95	35.07	7.10	37.43	7.78	39.75	8.48	43.77	9.88	46.96	10.83
	23	25.19	4.98	30.12	6.18	35.07	7.59	37.43	8.33	39.75	9.10	43.77	10.58	46.24	11.35
	25	25.19	5.24	30.12	6.60	35.07	8.13	37.43	8.92	39.75	9.72	43.77	11.34	45.63	11.81
	27	25.19	5.57	30.12	7.04	35.07	8.66	37.43	9.50	39.75	10.40	43.77	12.17	44.92	12.30
	29	25.19	5.95	30.12	7.51	35.07	9.24	37.43	10.19	39.75	11.13	43.36	12.70	44.31	12.82
	31	25.19	6.31	30.12	7.99	35.07	9.85	37.43	10.83	39.75	11.86	42.65	13.17	43.59	13.37
	33	25.19	6.70	30.12	8.48	35.07	10.52	37.43	11.58	39.75	12.69	42.04	13.73	42.98	13.83
	35	25.19	7.13	30.12	9.03	35.07	11.16	37.43	12.30	39.75	13.51	41.33	14.16	42.26	14.36
	37	25.19	7.57	30.12	9.62	35.07	11.90	37.43	13.10	39.75	14.37	40.61	14.67	41.75	14.82
	39	25.19	8.02	30.12	10.20	35.07	12.66	37.43	13.98	39.75	15.30	40.00	15.23	40.94	15.33
	41	25.19	8.30	30.12	10.66	35.07	13.10	37.43	14.36	39.75	15.40	39.70	15.57	40.73	15.76
43	25.19	8.70	30.12	11.13	35.07	13.58	37.43	14.71	39.75	15.77	39.49	15.81	40.32	15.98	
46	25.19	9.23	30.12	11.71	35.07	14.13	37.43	15.20	39.75	16.17	39.29	15.94	39.71	16.18	
48	25.19	9.77	30.12	12.22	35.07	14.65	37.43	15.40	39.75	16.30	38.98	16.21	38.69	16.38	
50	22.67	8.98	27.11	11.23	31.56	13.53	33.69	14.20	35.77	15.00	35.09	14.90	34.82	15.06	
52	18.14	7.36	21.69	9.22	25.25	11.04	26.95	11.61	28.62	12.29	28.07	12.18	27.86	12.32	
55	12.70	5.27	15.18	6.60	17.68	7.92	18.86	8.31	20.03	8.78	19.65	8.71	19.50	8.82	
80%	-15	22.44	3.02	26.18	3.51	30.52	4.17	33.21	4.50	34.81	4.76	39.40	5.54	43.66	6.35
	-10	22.44	3.26	26.18	3.79	30.52	4.49	33.21	4.86	34.81	5.15	39.40	6.00	43.66	6.84
	-5	22.44	3.53	26.18	4.09	30.52	4.86	33.21	5.24	34.81	5.56	39.40	6.48	43.66	7.38
	-2	22.44	3.58	26.18	4.15	30.52	4.90	33.21	5.33	34.81	5.60	39.40	6.52	43.66	7.47
	0	22.44	3.63	26.18	4.18	30.52	4.96	33.21	5.39	34.81	5.70	39.40	6.62	43.66	7.56
	2	22.44	3.71	26.18	4.26	30.52	5.04	33.21	5.50	34.81	5.82	39.40	6.77	43.66	7.70
	4	22.44	3.78	26.18	4.33	30.52	5.11	33.21	5.61	34.81	5.91	39.40	6.87	43.66	7.81
	6	22.44	3.84	26.18	4.41	30.52	5.19	33.21	5.75	34.81	6.02	39.40	6.99	43.66	7.95
	8	22.44	3.92	26.18	4.52	30.52	5.32	33.21	5.83	34.81	6.15	39.40	7.07	43.66	8.12
	10	22.44	3.95	26.18	4.62	30.52	5.45	33.21	5.97	34.81	6.29	39.40	7.26	43.66	8.16
	12	22.44	3.99	26.18	4.71	30.52	5.54	33.21	6.10	34.81	6.45	39.40	7.38	43.66	8.36
	14	22.44	4.08	26.18	4.81	30.52	5.64	33.21	6.20	34.81	6.55	39.40	7.51	43.66	8.51
	16	22.44	4.14	26.18	4.89	30.52	5.77	33.21	6.29	34.81	6.66	39.40	7.68	43.66	8.62
	18	22.44	4.21	26.18	4.96	30.52	5.89	33.21	6.44	34.81	6.80	39.40	7.84	43.66	8.81
	20	22.44	4.30	26.18	5.06	30.52	6.00	33.21	6.56	34.81	6.94	39.40	8.11	43.66	9.42
	21	22.44	4.34	26.18	5.11	30.52	6.05	33.21	6.62	34.81	7.09	39.40	8.42	43.66	9.77
	23	22.44	4.41	26.18	5.21	30.52	6.33	33.21	7.05	34.81	7.58	39.40	9.00	43.66	10.48
	25	22.44	4.54	26.18	5.55	30.52	6.78	33.21	7.54	34.81	8.11	39.40	9.64	43.66	11.25
	27	22.44	4.83	26.18	5.91	30.52	7.22	33.21	8.06	34.81	8.63	39.40	10.29	43.66	12.00
	29	22.44	5.15	26.18	6.27	30.52	7.69	33.21	8.59	34.81	9.24	39.40	11.00	43.66	12.81
	31	22.44	5.45	26.18	6.69	30.52	8.20	33.21	9.14	34.81	9.83	39.40	11.75	42.94	13.37
	33	22.44	5.81	26.18	7.12	30.52	8.71	33.21	9.76	34.81	10.47	39.40	12.47	42.32	13.83
	35	22.44	6.17	26.18	7.55	30.52	9.28	33.21	10.38	34.81	11.17	39.40	13.33	41.60	14.34
	37	22.44	6.54	26.18	8.02	30.52	9.88	33.21	11.04	34.81	11.91	39.40	14.22	41.09	14.81
	39	22.44	6.91	26.18	8.53	30.52	10.47	33.21	11.73	34.81	12.68	39.40	15.11	40.26	15.38
	41	22.44	7.05	26.18	8.65	30.52	10.66	33.21	12.07	34.81	12.87	39.40	15.49	40.06	15.61
43	22.44	7.27	26.18	8.69	30.52	10.79	33.21	12.28	34.81	13.04	39.40	15.73	39.85	15.78	
46	22.44	7.47	26.18	8.79	30.52	11.02	33.21	12.54	34.81	13.31	39.40	15.91	39.34	16.08	
48	22.44	7.71	26.18	8.85	30.52	11.17	33.21	12.70	34.81	13.37	39.40	16.04	39.03	16.27	
50	20.19	7.10	23.57	8.15	27.47	10.28	29.89	11.68	31.33	12.32	35.46	14.73	35.13	15.00	
52	16.15	5.81	18.85	6.67	21.98	8.40	23.91	9.53	25.06	10.08	28.37	12.04	28.10	12.22	
55	11.31	4.16	13.20	4.78	15.38	6.04	16.74	6.82	17.54	7.21	19.86	8.63	19.67	8.75	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.4:14HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	19.63	2.70	22.98	3.10	27.11	3.58	28.83	3.81	30.73	4.05	34.10	4.62	38.50	5.38
	-10	19.63	2.91	22.98	3.35	27.11	3.86	28.83	4.12	30.73	4.39	34.10	4.99	38.50	5.81
	-5	19.63	3.15	22.98	3.61	27.11	4.17	28.83	4.44	30.73	4.73	34.10	5.38	38.50	6.27
	-2	19.63	3.18	22.98	3.63	27.11	4.22	28.83	4.52	30.73	4.81	34.10	5.48	38.50	6.36
	0	19.63	3.20	22.98	3.69	27.11	4.28	28.83	4.60	30.73	4.91	34.10	5.57	38.50	6.46
	2	19.63	3.21	22.98	3.70	27.11	4.36	28.83	4.71	30.73	4.99	34.10	5.69	38.50	6.56
	4	19.63	3.24	22.98	3.79	27.11	4.46	28.83	4.79	30.73	5.10	34.10	5.79	38.50	6.72
	6	19.63	3.31	22.98	3.85	27.11	4.56	28.83	4.95	30.73	5.23	34.10	5.88	38.50	6.84
	8	19.63	3.36	22.98	3.96	27.11	4.67	28.83	5.02	30.73	5.32	34.10	6.07	38.50	6.98
	10	19.63	3.43	22.98	4.04	27.11	4.80	28.83	5.12	30.73	5.47	34.10	6.19	38.50	7.05
	12	19.63	3.52	22.98	4.10	27.11	4.91	28.83	5.21	30.73	5.56	34.10	6.31	38.50	7.20
	14	19.63	3.57	22.98	4.17	27.11	4.96	28.83	5.31	30.73	5.66	34.10	6.40	38.50	7.33
	16	19.63	3.64	22.98	4.24	27.11	5.06	28.83	5.42	30.73	5.79	34.10	6.51	38.50	7.45
	18	19.63	3.68	22.98	4.30	27.11	5.15	28.83	5.50	30.73	5.88	34.10	6.64	38.50	7.61
	20	19.63	3.74	22.98	4.39	27.11	5.27	28.83	5.60	30.73	6.01	34.10	6.81	38.50	7.85
	21	19.63	3.78	22.98	4.44	27.11	5.32	28.83	5.66	30.73	6.04	34.10	6.90	38.50	8.11
	23	19.63	3.85	22.98	4.52	27.11	5.42	28.83	5.85	30.73	6.36	34.10	7.38	38.50	8.69
	25	19.63	3.92	22.98	4.69	27.11	5.78	28.83	6.27	30.73	6.78	34.10	7.90	38.50	9.31
	27	19.63	4.15	22.98	5.00	27.11	6.16	28.83	6.67	30.73	7.26	34.10	8.43	38.50	9.94
	29	19.63	4.41	22.98	5.30	27.11	6.53	28.83	7.11	30.73	7.69	34.10	9.00	38.50	10.62
	31	19.63	4.66	22.98	5.62	27.11	6.99	28.83	7.56	30.73	8.21	34.10	9.60	38.50	11.30
	33	19.63	4.96	22.98	5.99	27.11	7.43	28.83	8.02	30.73	8.75	34.10	10.23	38.50	12.09
	35	19.63	5.23	22.98	6.36	27.11	7.88	28.83	8.53	30.73	9.32	34.10	10.87	38.50	12.89
	37	19.63	5.53	22.98	6.73	27.11	8.38	28.83	9.07	30.73	9.88	34.10	11.59	38.50	13.71
	39	19.63	5.86	22.98	7.13	27.11	8.86	28.83	9.66	30.73	10.49	34.10	12.32	38.50	14.57
41	19.63	6.13	22.98	7.37	27.11	9.12	28.83	9.96	30.73	10.81	34.10	12.85	38.50	15.21	
43	19.63	6.62	22.98	7.88	27.11	9.52	28.83	10.52	30.73	11.18	34.10	13.30	38.50	15.68	
46	19.63	6.76	22.98	8.07	27.11	9.73	28.83	10.65	30.73	11.70	34.10	14.02	38.50	16.31	
48	19.63	6.89	22.98	8.10	27.11	9.82	28.83	10.88	30.73	12.00	34.10	14.63	38.50	16.70	
50	17.67	6.34	20.68	7.45	24.40	9.07	25.95	9.99	27.66	11.05	30.69	13.49	34.65	15.40	
52	14.14	5.18	16.55	6.10	19.52	7.40	20.76	8.16	22.13	9.04	24.55	11.05	27.72	12.57	
55	9.89	3.72	11.58	4.37	13.66	5.31	14.53	5.84	15.49	6.47	17.18	7.89	19.40	9.01	
60%	-15	16.42	2.25	20.01	2.66	22.78	3.04	24.95	3.31	26.34	3.55	29.18	3.94	32.82	4.58
	-10	16.42	2.44	20.01	2.88	22.78	3.29	24.95	3.58	26.34	3.83	29.18	4.25	32.82	4.93
	-5	16.42	2.63	20.01	3.11	22.78	3.56	24.95	3.86	26.34	4.14	29.18	4.59	32.82	5.32
	-2	16.42	2.66	20.01	3.15	22.78	3.61	24.95	3.93	26.34	4.17	29.18	4.65	32.82	5.36
	0	16.42	2.69	20.01	3.20	22.78	3.67	24.95	3.97	26.34	4.25	29.18	4.72	32.82	5.43
	2	16.42	2.75	20.01	3.28	22.78	3.72	24.95	4.04	26.34	4.30	29.18	4.82	32.82	5.50
	4	16.42	2.82	20.01	3.33	22.78	3.80	24.95	4.11	26.34	4.37	29.18	4.90	32.82	5.58
	6	16.42	2.85	20.01	3.40	22.78	3.88	24.95	4.19	26.34	4.47	29.18	4.99	32.82	5.69
	8	16.42	2.91	20.01	3.44	22.78	3.95	24.95	4.26	26.34	4.53	29.18	5.10	32.82	5.79
	10	16.42	2.95	20.01	3.53	22.78	4.01	24.95	4.39	26.34	4.64	29.18	5.18	32.82	5.88
	12	16.42	3.01	20.01	3.58	22.78	4.09	24.95	4.47	26.34	4.72	29.18	5.28	32.82	5.98
	14	16.42	3.05	20.01	3.64	22.78	4.15	24.95	4.56	26.34	4.80	29.18	5.39	32.82	6.09
	16	16.42	3.09	20.01	3.70	22.78	4.22	24.95	4.63	26.34	4.90	29.18	5.48	32.82	6.22
	18	16.42	3.15	20.01	3.77	22.78	4.30	24.95	4.71	26.34	4.97	29.18	5.56	32.82	6.32
	20	16.42	3.18	20.01	3.84	22.78	4.36	24.95	4.81	26.34	5.09	29.18	5.68	32.82	6.46
	21	16.42	3.22	20.01	3.86	22.78	4.40	24.95	4.84	26.34	5.11	29.18	5.75	32.82	6.51
	23	16.42	3.26	20.01	3.94	22.78	4.49	24.95	4.93	26.34	5.20	29.18	5.98	32.82	6.96
	25	16.42	3.32	20.01	3.99	22.78	4.66	24.95	5.16	26.34	5.55	29.18	6.38	32.82	7.40
	27	16.42	3.44	20.01	4.24	22.78	4.97	24.95	5.51	26.34	5.90	29.18	6.77	32.82	7.90
	29	16.42	3.63	20.01	4.48	22.78	5.30	24.95	5.86	26.34	6.28	29.18	7.24	32.82	8.45
	31	16.42	3.87	20.01	4.78	22.78	5.62	24.95	6.24	26.34	6.70	29.18	7.68	32.82	8.99
	33	16.42	4.08	20.01	5.06	22.78	5.95	24.95	6.62	26.34	7.11	29.18	8.17	32.82	9.60
	35	16.42	4.32	20.01	5.37	22.78	6.32	24.95	7.05	26.34	7.57	29.18	8.72	32.82	10.19
	37	16.42	4.59	20.01	5.67	22.78	6.69	24.95	7.46	26.34	8.01	29.18	9.28	32.82	10.87
	39	16.42	4.84	20.01	6.00	22.78	7.09	24.95	7.91	26.34	8.51	29.18	9.83	32.82	11.56
41	16.42	4.97	20.01	6.27	22.78	7.34	24.95	8.22	26.34	8.84	29.18	10.33	32.82	12.07	
43	16.42	5.14	20.01	6.52	22.78	7.59	24.95	8.47	26.34	9.12	29.18	10.77	32.82	12.57	
46	16.42	5.38	20.01	6.88	22.78	7.91	24.95	8.80	26.34	9.61	29.18	11.21	32.82	13.28	
48	16.42	5.58	20.01	7.17	22.78	8.19	24.95	9.01	26.34	9.95	29.18	11.61	32.82	13.94	
50	14.78	5.13	18.01	6.59	20.50	7.54	22.46	8.28	23.70	9.18	26.27	10.70	29.54	12.84	
52	11.82	4.20	14.41	5.39	16.40	6.16	17.97	6.80	18.96	7.50	21.01	8.75	23.63	10.48	
55	8.28	3.01	10.08	3.85	11.48	4.41	12.58	4.86	13.27	5.36	14.71	6.27	16.54	7.50	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table2-8.4:14HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	14.01	2.00	16.56	2.29	19.39	2.65	20.73	2.77	22.10	2.93	24.78	3.33	27.34	3.57
	-10	14.01	2.15	16.56	2.47	19.39	2.86	20.73	3.00	22.10	3.17	24.78	3.61	27.34	3.85
	-5	14.01	2.33	16.56	2.67	19.39	3.09	20.73	3.23	22.10	3.42	24.78	3.88	27.34	4.16
	-2	14.01	2.34	16.56	2.72	19.39	3.13	20.73	3.29	22.10	3.49	24.78	3.93	27.34	4.20
	0	14.01	2.39	16.56	2.77	19.39	3.17	20.73	3.33	22.10	3.52	24.78	3.99	27.34	4.27
	2	14.01	2.43	16.56	2.80	19.39	3.24	20.73	3.37	22.10	3.58	24.78	4.02	27.34	4.35
	4	14.01	2.44	16.56	2.85	19.39	3.27	20.73	3.42	22.10	3.65	24.78	4.12	27.34	4.47
	6	14.01	2.48	16.56	2.90	19.39	3.33	20.73	3.50	22.10	3.73	24.78	4.18	27.34	4.61
	8	14.01	2.55	16.56	2.95	19.39	3.38	20.73	3.58	22.10	3.76	24.78	4.24	27.34	4.76
	10	14.01	2.60	16.56	2.98	19.39	3.43	20.73	3.63	22.10	3.89	24.78	4.37	27.34	4.82
	12	14.01	2.62	16.56	3.03	19.39	3.50	20.73	3.70	22.10	3.96	24.78	4.44	27.34	4.91
	14	14.01	2.66	16.56	3.06	19.39	3.52	20.73	3.78	22.10	4.01	24.78	4.52	27.34	5.01
	16	14.01	2.70	16.56	3.09	19.39	3.58	20.73	3.84	22.10	4.07	24.78	4.59	27.34	5.06
	18	14.01	2.73	16.56	3.16	19.39	3.64	20.73	3.90	22.10	4.15	24.78	4.68	27.34	5.17
	20	14.01	2.77	16.56	3.18	19.39	3.69	20.73	3.96	22.10	4.24	24.78	4.75	27.34	5.27
	21	14.01	2.80	16.56	3.23	19.39	3.74	20.73	3.99	22.10	4.27	24.78	4.81	27.34	5.33
	23	14.01	2.83	16.56	3.26	19.39	3.80	20.73	4.07	22.10	4.34	24.78	4.89	27.34	5.44
	25	14.01	2.87	16.56	3.33	19.39	3.87	20.73	4.15	22.10	4.48	24.78	5.13	27.34	5.80
	27	14.01	2.93	16.56	3.46	19.39	4.08	20.73	4.41	22.10	4.76	24.78	5.46	27.34	6.20
	29	14.01	3.09	16.56	3.66	19.39	4.34	20.73	4.69	22.10	5.07	24.78	5.83	27.34	6.59
	31	14.01	3.26	16.56	3.87	19.39	4.60	20.73	4.99	22.10	5.39	24.78	6.18	27.34	7.01
	33	14.01	3.46	16.56	4.10	19.39	4.88	20.73	5.26	22.10	5.70	24.78	6.56	27.34	7.45
	35	14.01	3.64	16.56	4.32	19.39	5.15	20.73	5.58	22.10	6.04	24.78	6.97	27.34	7.92
	37	14.01	3.85	16.56	4.57	19.39	5.46	20.73	5.91	22.10	6.39	24.78	7.40	27.34	8.42
39	14.01	4.04	16.56	4.83	19.39	5.78	20.73	6.26	22.10	6.77	24.78	7.84	27.34	8.94	
41	14.01	4.21	16.56	5.03	19.39	5.99	20.73	6.57	22.10	7.09	24.78	8.28	27.34	9.36	
43	14.01	4.51	16.56	5.38	19.39	6.19	20.73	6.83	22.10	7.26	24.78	8.67	27.34	9.77	
46	14.01	4.60	16.56	5.52	19.39	6.62	20.73	7.37	22.10	7.57	24.78	9.50	27.34	10.57	
48	14.01	4.70	16.56	5.65	19.39	6.99	20.73	7.87	22.10	7.92	24.78	10.28	27.34	11.42	
50	12.61	4.33	14.91	5.19	17.45	6.42	18.66	7.25	19.89	7.31	22.30	9.47	24.61	10.47	
52	10.09	3.53	11.93	4.25	13.96	5.25	14.93	5.93	15.91	5.98	17.84	7.72	19.68	8.59	
55	7.06	2.53	8.35	3.04	9.77	3.77	10.45	4.24	11.14	4.28	12.49	5.52	13.78	6.14	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.5:16HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	40.64	6.55	48.04	7.91	55.63	8.50	57.77	8.84	61.92	9.28	63.38	10.11	63.45	9.90
	-10	40.64	7.06	48.04	8.56	55.63	9.14	57.77	9.55	61.92	10.00	63.38	10.89	63.45	10.69
	-5	40.64	7.62	48.04	9.26	55.63	9.91	57.77	10.27	61.92	10.84	63.38	11.77	63.45	11.59
	-2	40.64	7.63	48.04	9.44	55.63	9.89	57.77	10.38	61.92	10.80	63.38	11.90	63.45	11.67
	0	40.64	7.76	48.04	9.56	55.63	10.25	57.77	10.92	61.92	11.46	63.38	12.05	63.45	11.85
	2	40.64	7.89	48.04	9.61	55.63	10.63	57.77	11.53	61.92	11.56	63.38	12.14	63.45	12.00
	4	40.64	8.09	48.04	9.80	55.63	10.96	57.77	11.58	61.92	11.73	63.38	12.31	63.45	12.24
	6	40.64	8.23	48.04	9.98	55.63	11.37	57.77	11.70	61.19	12.07	62.65	12.55	62.84	12.34
	8	40.64	8.43	48.04	10.23	55.63	11.95	57.77	12.28	60.47	12.50	61.92	12.58	62.03	12.45
	10	40.64	8.62	48.04	10.41	55.63	12.41	57.77	12.69	59.74	12.75	61.19	12.75	61.32	12.84
	12	40.64	8.75	48.04	10.64	55.63	12.65	56.95	12.84	59.01	12.89	60.36	12.92	60.50	12.90
	14	40.64	8.95	48.04	10.82	55.53	12.85	56.34	13.07	58.18	13.13	59.74	13.14	59.79	13.16
	16	40.64	9.09	48.04	11.04	54.82	13.04	55.53	13.18	57.34	13.50	58.90	13.36	58.98	13.38
	18	40.64	9.26	48.04	11.29	54.00	13.20	54.71	13.32	56.72	13.64	58.18	13.75	58.37	13.57
	20	40.64	9.47	48.04	11.98	53.18	13.86	54.00	13.90	55.89	14.29	57.34	14.46	57.56	14.22
	21	40.64	9.73	48.04	12.43	52.88	14.20	53.69	14.29	55.57	14.66	57.03	14.83	57.15	14.58
	23	40.64	10.44	48.04	13.36	52.27	14.82	52.88	14.92	54.74	15.30	56.20	15.49	56.34	15.25
	25	40.64	11.15	48.04	14.30	51.45	15.50	52.06	15.53	54.01	15.99	55.57	16.15	55.73	15.89
	27	40.64	11.88	48.04	15.25	50.74	16.09	51.45	16.19	53.18	16.67	54.74	16.81	54.91	16.64
	29	40.64	12.68	48.04	16.35	49.92	16.78	50.64	16.86	52.56	17.31	54.01	17.52	54.30	17.30
	31	40.64	13.53	47.83	17.30	49.11	17.44	49.92	17.59	51.72	17.97	53.18	18.19	53.49	17.99
	33	40.64	14.44	47.02	17.88	48.50	18.06	49.11	18.20	51.00	18.68	52.56	18.94	52.57	18.64
	35	40.64	15.37	46.20	18.60	47.68	18.79	48.50	18.89	50.16	19.40	51.72	19.59	51.96	19.39
	37	40.64	16.40	45.59	19.26	46.97	19.43	47.68	19.54	49.54	20.06	50.89	20.31	51.15	20.10
	39	40.64	17.45	44.77	19.44	46.15	20.06	46.97	20.24	48.71	20.77	50.16	20.99	50.54	20.82
41	40.64	18.38	44.26	19.61	45.65	20.32	46.46	20.45	48.19	21.02	49.64	21.09	48.61	20.98	
43	40.64	18.76	43.96	19.72	45.44	20.36	46.26	20.46	47.66	21.05	48.81	21.06	48.00	20.97	
46	40.64	19.75	43.65	19.93	44.93	20.50	45.75	20.61	46.94	21.15	47.46	21.13	47.08	21.37	
48	40.64	20.42	43.55	20.56	44.22	20.66	45.03	20.80	46.42	21.32	46.21	21.49	45.96	21.45	
50	36.57	18.75	39.19	18.89	39.80	19.07	40.53	19.18	41.77	19.62	41.59	19.84	41.37	19.80	
52	29.26	15.37	31.35	15.45	31.84	15.58	32.42	15.69	33.42	16.07	33.27	16.21	33.09	16.21	
55	20.48	10.98	21.95	11.08	22.29	11.17	22.70	11.20	23.39	11.51	23.29	11.58	23.17	11.58	
120%	-15	37.26	6.26	44.99	7.72	51.45	8.99	54.97	9.78	58.29	10.31	59.51	10.62	61.27	11.00
	-10	37.26	6.78	44.99	8.32	51.45	9.67	54.97	10.57	58.29	11.14	59.51	11.44	61.27	11.85
	-5	37.26	7.31	44.99	9.01	51.45	10.46	54.97	11.37	58.29	12.02	59.51	12.36	61.27	12.81
	-2	37.26	7.38	44.99	9.11	51.45	10.56	54.97	11.48	58.29	12.17	59.51	12.47	61.27	12.88
	0	37.26	7.45	44.99	9.15	51.45	10.70	54.97	11.50	58.29	12.26	59.51	12.56	61.27	12.87
	2	37.26	7.49	44.99	9.24	51.45	10.74	54.97	11.58	58.29	12.33	59.51	12.63	61.27	12.92
	4	37.26	7.57	44.99	9.38	51.45	10.90	54.97	11.73	58.29	12.48	59.51	12.65	61.27	12.95
	6	37.26	7.62	44.99	9.45	51.45	11.05	54.97	11.82	58.29	12.61	59.51	12.77	61.27	12.99
	8	37.26	7.69	44.99	9.53	51.45	11.17	54.97	11.97	58.29	12.74	59.51	12.81	61.27	13.05
	10	37.26	7.79	44.99	9.68	51.45	11.31	54.97	12.22	58.29	12.76	59.51	12.86	61.27	13.14
	12	37.26	7.95	44.99	9.86	51.45	11.52	54.97	12.42	57.46	12.83	58.69	12.79	60.44	13.19
	14	37.26	8.09	44.99	10.07	51.45	11.74	54.97	12.71	56.64	12.87	57.97	13.01	59.82	13.34
	16	37.26	8.25	44.99	10.27	51.45	11.95	54.66	12.89	55.92	13.05	57.15	13.20	58.99	13.57
	18	37.26	8.38	44.99	10.48	51.45	12.37	53.85	13.17	55.09	13.43	56.32	13.52	58.26	13.75
	20	37.26	8.55	44.99	10.88	51.45	13.33	53.13	13.83	54.48	14.04	55.71	14.15	57.44	14.38
	21	37.26	8.65	44.99	11.24	51.45	13.78	52.62	14.18	53.96	14.42	55.30	14.46	57.12	14.74
	23	37.26	9.22	44.99	12.07	51.45	14.78	52.01	14.81	53.24	15.03	54.47	15.15	56.30	15.42
	25	37.26	9.88	44.99	12.92	50.64	15.39	51.20	15.43	52.42	15.73	53.86	15.84	55.67	16.08
	27	37.26	10.55	44.99	13.75	49.92	16.00	50.59	16.11	51.80	16.35	53.03	16.53	54.84	16.76
	29	37.26	11.23	44.99	14.72	49.11	16.71	49.77	16.74	50.97	17.00	52.21	17.18	54.12	17.52
	31	37.26	11.97	44.99	15.69	48.29	17.35	49.06	17.41	50.36	17.72	51.49	17.85	53.29	18.23
	33	37.26	12.77	44.99	16.73	47.68	17.98	48.25	18.08	49.53	18.38	50.67	18.50	52.46	18.87
	35	37.26	13.58	44.99	17.87	46.87	18.61	47.43	18.73	48.81	19.01	50.05	19.21	51.84	19.63
	37	37.26	14.45	44.99	18.99	46.15	19.32	46.82	19.40	47.99	19.75	49.23	19.90	51.01	20.28
	39	37.26	15.42	44.79	20.10	45.34	20.01	46.01	20.04	47.16	20.43	48.51	20.58	50.28	20.98
41	37.26	15.78	44.48	20.25	45.03	20.15	45.60	20.17	46.86	20.56	48.20	20.69	48.83	21.14	
43	37.26	16.03	44.27	20.42	44.63	20.19	45.30	20.33	46.44	20.65	47.38	20.72	48.10	21.60	
46	37.26	16.25	43.96	20.53	44.22	20.46	44.79	20.46	46.03	20.76	46.46	20.82	47.59	22.01	
48	37.26	16.31	43.65	20.84	43.61	20.62	44.07	20.56	45.52	21.00	45.74	21.01	46.96	22.28	
50	33.54	15.04	39.28	19.10	39.25	18.93	39.67	18.98	40.97	19.29	41.16	19.32	42.27	20.57	
52	26.83	12.32	31.43	15.64	31.40	15.50	31.73	15.52	32.77	15.78	32.93	15.79	33.81	16.81	
55	18.78	8.82	22.00	11.18	21.98	11.09	22.21	11.08	22.94	11.30	23.05	11.29	23.67	11.99	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.5: 16HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	34.06	5.48	41.01	6.86	48.09	8.27	51.02	8.80	53.75	9.39	58.33	9.84	60.36	10.24
	-10	34.06	5.90	41.01	7.40	48.09	8.95	51.02	9.51	53.75	10.12	58.33	10.60	60.36	11.07
	-5	34.06	6.38	41.01	7.99	48.09	9.67	51.02	10.28	53.75	10.98	58.33	11.46	60.36	11.95
	-2	34.06	6.52	41.01	8.12	48.09	9.74	51.02	10.39	53.75	11.05	58.33	11.58	60.36	12.02
	0	34.06	6.56	41.01	8.15	48.09	9.83	51.02	10.47	53.75	11.17	58.33	11.68	60.36	12.20
	2	34.06	6.70	41.01	8.22	48.09	9.95	51.02	10.57	53.75	11.29	58.33	11.88	60.36	12.35
	4	34.06	6.85	41.01	8.34	48.09	10.07	51.02	10.68	53.75	11.46	58.33	12.01	60.36	12.46
	6	34.06	6.93	41.01	8.44	48.09	10.15	51.02	10.88	53.75	11.57	58.33	12.15	60.36	12.64
	8	34.06	7.00	41.01	8.57	48.09	10.26	51.02	11.01	53.75	11.71	58.33	12.22	60.36	12.79
	10	34.06	7.08	41.01	8.67	48.09	10.43	51.02	11.19	53.75	11.91	58.33	12.36	60.36	12.90
	12	34.06	7.20	41.01	8.87	48.09	10.63	51.02	11.41	53.75	12.12	57.72	12.50	59.53	13.02
	14	34.06	7.35	41.01	9.03	48.09	10.83	51.02	11.62	53.75	12.36	56.89	12.61	58.90	13.12
	16	34.06	7.46	41.01	9.16	48.09	11.05	51.02	11.83	53.75	12.62	56.17	12.76	58.07	13.28
	18	34.06	7.62	41.01	9.34	48.09	11.28	51.02	12.15	53.75	13.18	55.35	13.42	57.34	13.71
	20	34.06	7.74	41.01	9.55	48.09	11.92	51.02	13.06	52.93	13.88	54.73	14.07	56.51	14.39
	21	34.06	7.85	41.01	9.83	48.09	12.33	51.02	13.52	52.62	14.16	54.22	14.42	56.20	14.70
	23	34.06	8.21	41.01	10.53	48.09	13.24	51.02	14.50	51.81	14.77	53.60	15.06	55.37	15.38
	25	34.06	8.75	41.01	11.26	48.09	14.18	51.02	15.60	51.10	15.42	52.78	15.74	54.74	16.05
	27	34.06	9.31	41.01	12.03	48.09	15.14	50.20	16.19	50.28	16.10	52.06	16.41	53.91	16.76
	29	34.06	9.96	41.01	12.84	48.09	16.16	49.58	16.86	49.67	16.80	51.23	17.07	53.18	17.39
	31	34.06	10.59	41.01	13.73	48.09	17.31	48.76	17.55	48.85	17.45	50.62	17.76	52.35	18.13
	33	34.06	11.29	41.01	14.61	47.78	18.19	48.03	18.20	48.24	18.07	49.79	18.42	51.72	18.84
	35	34.06	12.02	41.01	15.60	46.95	18.87	47.21	18.84	47.32	18.78	48.97	19.09	50.89	19.52
	37	34.06	12.79	41.01	16.58	46.22	19.55	46.59	19.53	46.51	19.39	48.25	19.80	50.06	20.22
	39	34.06	13.60	41.01	17.66	45.39	20.20	45.77	20.14	45.89	20.06	47.43	20.44	49.33	20.91
41	34.06	13.69	41.01	17.82	45.08	20.41	45.35	20.34	45.59	20.19	46.81	20.56	47.87	21.06	
43	34.06	13.86	41.01	18.04	44.67	20.50	45.05	20.50	45.18	20.32	46.40	20.63	47.14	21.45	
46	34.06	14.33	41.01	18.14	44.25	20.67	44.53	20.71	44.77	20.49	45.99	21.20	46.73	21.91	
48	34.06	14.78	41.01	19.63	43.63	20.80	43.81	20.79	44.26	20.73	45.16	21.24	46.10	22.19	
50	30.66	13.58	36.91	18.10	39.26	19.16	39.43	19.13	39.84	19.06	40.65	19.54	41.49	20.40	
52	24.53	11.15	29.53	14.76	31.41	15.64	31.54	15.65	31.87	15.61	32.52	16.03	33.19	16.67	
55	17.17	7.97	20.67	10.55	21.99	11.22	22.08	11.21	22.31	11.14	22.76	11.48	23.24	11.92	
100%	-15	30.58	4.91	36.45	5.93	42.31	7.03	45.00	7.59	48.57	8.27	54.23	9.37	57.92	9.87
	-10	30.58	5.31	36.45	6.40	42.31	7.59	45.00	8.20	48.57	8.92	54.23	10.11	57.92	10.63
	-5	30.58	5.74	36.45	6.92	42.31	8.19	45.00	8.84	48.57	9.62	54.23	10.88	57.92	11.52
	-2	30.58	5.81	36.45	7.00	42.31	8.30	45.00	9.02	48.57	9.75	54.23	11.01	57.92	11.55
	0	30.58	5.87	36.45	7.07	42.31	8.41	45.00	9.13	48.57	9.84	54.23	11.20	57.92	11.68
	2	30.58	5.98	36.45	7.17	42.31	8.46	45.00	9.25	48.57	9.97	54.23	11.38	57.92	11.85
	4	30.58	6.01	36.45	7.24	42.31	8.62	45.00	9.38	48.57	10.07	54.23	11.49	57.92	12.04
	6	30.58	6.10	36.45	7.40	42.31	8.70	45.00	9.55	48.57	10.24	54.23	11.63	57.92	12.21
	8	30.58	6.22	36.45	7.51	42.31	8.86	45.00	9.65	48.57	10.38	54.23	11.85	57.92	12.41
	10	30.58	6.30	36.45	7.64	42.31	9.03	45.00	9.81	48.57	10.57	54.23	12.01	57.92	12.56
	12	30.58	6.41	36.45	7.79	42.31	9.17	45.00	10.00	48.57	10.79	54.23	12.23	57.10	12.68
	14	30.58	6.52	36.45	7.94	42.31	9.39	45.00	10.19	48.57	10.98	54.23	12.48	56.39	12.84
	16	30.58	6.65	36.45	8.08	42.31	9.54	45.00	10.38	48.57	11.19	53.93	12.63	55.58	12.99
	18	30.58	6.78	36.45	8.24	42.31	9.74	45.00	10.58	48.57	11.42	53.32	13.04	54.97	13.27
	20	30.58	6.91	36.45	8.39	42.31	10.01	45.00	11.12	48.57	12.26	52.51	13.71	54.15	13.95
	21	30.58	6.96	36.45	8.49	42.31	10.40	45.00	11.52	48.57	12.69	52.21	14.00	53.85	14.25
	23	30.58	7.15	36.45	9.04	42.31	11.13	45.00	12.33	48.57	13.59	51.51	14.63	53.03	14.95
	25	30.58	7.59	36.45	9.68	42.31	11.91	45.00	13.22	48.57	14.55	50.70	15.27	52.32	15.57
	27	30.58	8.12	36.45	10.32	42.31	12.74	45.00	14.15	48.57	15.55	49.89	15.94	51.50	16.24
	29	30.58	8.65	36.45	10.98	42.31	13.59	45.00	15.13	48.36	16.51	49.29	16.61	50.89	16.85
	31	30.58	9.22	36.45	11.71	42.31	14.49	45.00	16.14	47.75	17.16	48.48	17.27	50.08	17.54
	33	30.58	9.78	36.45	12.49	42.31	15.46	45.00	17.21	46.94	17.85	47.78	17.86	49.37	18.21
	35	30.58	10.40	36.45	13.27	42.31	16.46	45.00	18.37	46.13	18.52	46.97	18.58	48.55	18.92
	37	30.58	11.03	36.45	14.12	42.31	17.54	44.20	18.99	45.42	19.19	46.37	19.23	47.74	19.57
	39	30.58	11.73	36.45	15.00	42.31	18.67	43.60	19.64	44.61	19.83	45.56	19.87	47.13	20.25
41	30.58	12.30	36.45	15.61	42.31	19.36	42.90	19.76	44.31	20.06	44.75	20.34	46.42	20.68	
43	30.58	12.83	36.45	16.12	42.31	19.79	42.20	19.99	44.00	20.29	44.95	20.47	45.60	20.90	
46	30.58	13.59	36.45	16.82	42.31	20.13	41.30	20.28	43.80	20.64	44.65	20.72	44.68	21.19	
48	30.58	14.16	36.45	17.46	42.31	20.15	39.60	20.53	43.70	21.01	41.93	20.94	43.67	21.33	
50	27.52	13.04	32.81	16.07	38.08	18.48	35.64	18.88	39.33	19.35	37.74	19.27	39.30	19.66	
52	22.02	10.65	26.25	13.16	30.46	15.14	28.51	15.43	31.46	15.86	30.19	15.79	31.44	16.08	
55	15.41	7.63	18.37	9.39	21.32	10.84	19.96	11.06	22.02	11.33	21.13	11.29	22.01	11.52	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.5:16HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	28.41	4.50	33.60	5.34	39.03	6.31	41.71	6.86	44.43	7.33	49.84	8.43	55.19	9.60
	-10	28.41	4.87	33.60	5.77	39.03	6.80	41.71	7.41	44.43	7.92	49.84	9.08	55.19	10.40
	-5	28.41	5.24	33.60	6.24	39.03	7.36	41.71	8.03	44.43	8.55	49.84	9.81	55.19	11.22
	-2	28.41	5.29	33.60	6.29	39.03	7.45	41.71	8.14	44.43	8.66	49.84	9.93	55.19	11.33
	0	28.41	5.37	33.60	6.39	39.03	7.56	41.71	8.23	44.43	8.77	49.84	10.03	55.19	11.40
	2	28.41	5.45	33.60	6.47	39.03	7.65	41.71	8.35	44.43	8.88	49.84	10.21	55.19	11.58
	4	28.41	5.54	33.60	6.55	39.03	7.76	41.71	8.47	44.43	9.01	49.84	10.37	55.19	11.73
	6	28.41	5.62	33.60	6.69	39.03	7.91	41.71	8.61	44.43	9.18	49.84	10.54	55.19	11.93
	8	28.41	5.73	33.60	6.81	39.03	8.09	41.71	8.73	44.43	9.32	49.84	10.75	55.19	12.07
	10	28.41	5.84	33.60	6.97	39.03	8.22	41.71	8.87	44.43	9.55	49.84	10.86	55.19	12.27
	12	28.41	5.93	33.60	7.07	39.03	8.38	41.71	9.01	44.43	9.72	49.84	11.10	55.19	12.50
	14	28.41	6.04	33.60	7.21	39.03	8.51	41.71	9.18	44.43	9.90	49.84	11.29	55.19	12.70
	16	28.41	6.13	33.60	7.35	39.03	8.71	41.71	9.38	44.43	10.11	49.84	11.53	54.99	12.95
	18	28.41	6.25	33.60	7.50	39.03	8.83	41.71	9.55	44.43	10.31	49.84	11.76	54.37	13.30
	20	28.41	6.38	33.60	7.65	39.03	9.01	41.71	9.77	44.43	10.66	49.84	12.64	53.55	13.93
	21	28.41	6.41	33.60	7.72	39.03	9.18	41.71	10.09	44.43	11.06	49.84	13.07	53.24	14.27
	23	28.41	6.54	33.60	8.03	39.03	9.81	41.71	10.82	44.43	11.87	49.84	14.05	52.32	14.95
	25	28.41	6.90	33.60	8.58	39.03	10.49	41.71	11.56	44.43	12.65	49.84	15.02	51.70	15.63
	27	28.41	7.34	33.60	9.12	39.03	11.24	41.71	12.33	44.43	13.52	49.84	16.09	50.88	16.23
	29	28.41	7.83	33.60	9.73	39.03	11.95	41.71	13.17	44.43	14.50	49.33	16.77	50.26	16.90
	31	28.41	8.29	33.60	10.37	39.03	12.77	41.71	14.04	44.43	15.45	48.50	17.45	49.44	17.61
	33	28.41	8.80	33.60	11.03	39.03	13.62	41.71	15.02	44.43	16.45	47.78	18.14	48.72	18.20
	35	28.41	9.36	33.60	11.70	39.03	14.48	41.71	15.98	44.43	17.52	46.96	18.76	47.90	18.90
	37	28.41	9.94	33.60	12.48	39.03	15.45	41.71	16.97	44.43	18.68	46.13	19.42	47.28	19.54
	39	28.41	10.54	33.60	13.28	39.03	16.40	41.71	18.13	44.43	19.97	45.52	20.11	46.46	20.21
41	28.41	10.92	33.60	13.84	39.03	17.02	41.71	18.58	44.43	20.06	45.21	20.61	46.15	20.74	
43	28.41	11.45	33.60	14.45	39.03	17.62	41.71	19.06	44.43	20.43	45.00	20.88	45.74	21.01	
46	28.41	12.17	33.60	15.20	39.03	18.32	41.71	19.74	44.43	21.08	44.69	21.18	45.02	21.29	
48	28.41	12.84	33.60	15.88	39.03	19.04	41.71	19.92	44.43	21.26	44.38	21.45	43.78	21.66	
50	25.57	11.80	30.24	14.63	35.13	17.52	37.54	18.41	39.98	19.53	39.95	19.76	39.41	19.91	
52	20.46	9.66	24.19	11.97	28.10	14.32	30.03	15.06	31.99	15.97	31.96	16.16	31.52	16.25	
55	14.32	6.92	16.94	8.56	19.67	10.26	21.02	10.77	22.39	11.43	22.37	11.52	22.07	11.66	
80%	-15	25.27	3.97	30.08	4.69	34.17	5.43	37.39	5.88	39.85	6.34	44.38	7.27	48.69	8.21
	-10	25.27	4.27	30.08	5.07	34.17	5.86	37.39	6.35	39.85	6.83	44.38	7.83	48.69	8.90
	-5	25.27	4.62	30.08	5.48	34.17	6.31	37.39	6.85	39.85	7.39	44.38	8.47	48.69	9.57
	-2	25.27	4.69	30.08	5.54	34.17	6.38	37.39	6.98	39.85	7.45	44.38	8.55	48.69	9.69
	0	25.27	4.77	30.08	5.60	34.17	6.47	37.39	7.07	39.85	7.59	44.38	8.68	48.69	9.82
	2	25.27	4.87	30.08	5.68	34.17	6.56	37.39	7.21	39.85	7.72	44.38	8.87	48.69	10.01
	4	25.27	4.94	30.08	5.77	34.17	6.68	37.39	7.34	39.85	7.88	44.38	9.02	48.69	10.14
	6	25.27	5.04	30.08	5.90	34.17	6.78	37.39	7.52	39.85	8.00	44.38	9.15	48.69	10.33
	8	25.27	5.13	30.08	6.05	34.17	6.94	37.39	7.65	39.85	8.20	44.38	9.28	48.69	10.52
	10	25.27	5.15	30.08	6.18	34.17	7.10	37.39	7.85	39.85	8.38	44.38	9.50	48.69	10.60
	12	25.27	5.24	30.08	6.28	34.17	7.24	37.39	8.00	39.85	8.56	44.38	9.66	48.69	10.81
	14	25.27	5.34	30.08	6.40	34.17	7.35	37.39	8.11	39.85	8.70	44.38	9.86	48.69	11.01
	16	25.27	5.43	30.08	6.50	34.17	7.51	37.39	8.26	39.85	8.85	44.38	10.06	48.69	11.19
	18	25.27	5.53	30.08	6.65	34.17	7.68	37.39	8.42	39.85	9.04	44.38	10.27	48.69	11.42
	20	25.27	5.62	30.08	6.77	34.17	7.82	37.39	8.61	39.85	9.22	44.38	10.64	48.69	12.26
	21	25.27	5.67	30.08	6.83	34.17	7.87	37.39	8.70	39.85	9.42	44.38	11.03	48.69	12.67
	23	25.27	5.78	30.08	6.99	34.17	8.27	37.39	9.23	39.85	10.10	44.38	11.78	48.69	13.58
	25	25.27	5.95	30.08	7.39	34.17	8.82	37.39	9.87	39.85	10.75	44.38	12.64	48.69	14.57
	27	25.27	6.34	30.08	7.88	34.17	9.40	37.39	10.54	39.85	11.53	44.38	13.48	48.69	15.57
	29	25.27	6.76	30.08	8.41	34.17	10.03	37.39	11.25	39.85	12.32	44.38	14.42	48.69	16.68
	31	25.27	7.13	30.08	8.93	34.17	10.69	37.39	11.98	39.85	13.12	44.38	15.34	47.88	17.35
	33	25.27	7.62	30.08	9.50	34.17	11.39	37.39	12.77	39.85	13.91	44.38	16.40	47.27	17.99
	35	25.27	8.07	30.08	10.12	34.17	12.07	37.39	13.57	39.85	14.89	44.38	17.45	46.45	18.57
	37	25.27	8.57	30.08	10.75	34.17	12.85	37.39	14.43	39.85	15.79	44.38	18.66	45.73	19.30
	39	25.27	9.06	30.08	11.45	34.17	13.68	37.39	15.38	39.85	16.82	44.38	19.82	44.92	19.93
41	25.27	9.24	30.08	11.54	34.17	13.89	37.39	15.79	39.85	17.18	44.38	20.36	44.71	20.33	
43	25.27	9.55	30.08	11.66	34.17	14.06	37.39	16.06	39.85	17.37	44.38	20.60	44.41	20.50	
46	25.27	9.80	30.08	11.76	34.17	14.33	37.39	16.43	39.85	17.72	44.38	20.78	43.90	20.80	
48	25.27	10.14	30.08	11.84	34.17	14.57	37.39	16.62	39.85	17.82	44.38	20.97	43.49	21.08	
50	22.74	9.30	27.07	10.92	30.75	13.42	33.65	15.32	35.86	16.41	39.95	19.28	39.14	19.40	
52	18.19	7.63	21.66	8.90	24.60	10.99	26.92	12.50	28.69	13.41	31.96	15.82	31.31	15.87	
55	12.73	5.45	15.16	6.40	17.22	7.86	18.85	8.96	20.08	9.61	22.37	11.32	21.92	11.36	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.5: 16HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	22.06	3.55	25.93	4.06	30.54	4.70	32.03	4.91	34.57	5.31	38.27	6.01	43.38	7.07
	-10	22.06	3.83	25.93	4.40	30.54	5.07	32.03	5.32	34.57	5.75	38.27	6.50	43.38	7.62
	-5	22.06	4.12	25.93	4.75	30.54	5.47	32.03	5.73	34.57	6.19	38.27	7.01	43.38	8.22
	-2	22.06	4.17	25.93	4.76	30.54	5.52	32.03	5.87	34.57	6.31	38.27	7.13	43.38	8.33
	0	22.06	4.19	25.93	4.84	30.54	5.62	32.03	5.98	34.57	6.43	38.27	7.28	43.38	8.48
	2	22.06	4.20	25.93	4.86	30.54	5.70	32.03	6.08	34.57	6.55	38.27	7.44	43.38	8.59
	4	22.06	4.26	25.93	4.98	30.54	5.83	32.03	6.19	34.57	6.70	38.27	7.57	43.38	8.81
	6	22.06	4.32	25.93	5.06	30.54	5.98	32.03	6.38	34.57	6.84	38.27	7.69	43.38	8.97
	8	22.06	4.41	25.93	5.21	30.54	6.11	32.03	6.49	34.57	7.00	38.27	7.90	43.38	9.12
	10	22.06	4.50	25.93	5.29	30.54	6.26	32.03	6.62	34.57	7.19	38.27	8.07	43.38	9.22
	12	22.06	4.61	25.93	5.38	30.54	6.40	32.03	6.74	34.57	7.31	38.27	8.20	43.38	9.43
	14	22.06	4.69	25.93	5.47	30.54	6.52	32.03	6.85	34.57	7.41	38.27	8.38	43.38	9.60
	16	22.06	4.76	25.93	5.57	30.54	6.64	32.03	6.99	34.57	7.59	38.27	8.51	43.38	9.76
	18	22.06	4.83	25.93	5.66	30.54	6.76	32.03	7.12	34.57	7.69	38.27	8.67	43.38	9.98
	20	22.06	4.91	25.93	5.78	30.54	6.88	32.03	7.24	34.57	7.85	38.27	8.87	43.38	10.25
	21	22.06	4.96	25.93	5.82	30.54	6.93	32.03	7.32	34.57	7.92	38.27	8.99	43.38	10.59
	23	22.06	5.04	25.93	5.90	30.54	7.09	32.03	7.57	34.57	8.32	38.27	9.64	43.38	11.35
	25	22.06	5.15	25.93	6.16	30.54	7.55	32.03	8.08	34.57	8.89	38.27	10.29	43.38	12.18
	27	22.06	5.44	25.93	6.57	30.54	8.06	32.03	8.62	34.57	9.48	38.27	10.98	43.38	13.03
	29	22.06	5.79	25.93	6.96	30.54	8.57	32.03	9.16	34.57	10.12	38.27	11.72	43.38	13.87
	31	22.06	6.12	25.93	7.38	30.54	9.11	32.03	9.78	34.57	10.75	38.27	12.53	43.38	14.83
	33	22.06	6.50	25.93	7.86	30.54	9.70	32.03	10.36	34.57	11.45	38.27	13.33	43.38	15.81
	35	22.06	6.87	25.93	8.35	30.54	10.31	32.03	11.05	34.57	12.20	38.27	14.17	43.38	16.82
	37	22.06	7.28	25.93	8.82	30.54	10.96	32.03	11.74	34.57	12.94	38.27	15.13	43.38	17.96
	39	22.06	7.70	25.93	9.36	30.54	11.61	32.03	12.44	34.57	13.76	38.27	16.07	43.38	19.08
	41	22.06	8.04	25.93	9.70	30.54	11.95	32.03	12.86	34.57	14.19	38.27	16.69	43.38	19.95
	43	22.06	8.69	25.93	10.36	30.54	12.46	32.03	13.57	34.57	14.60	38.27	17.31	43.38	20.56
46	22.06	8.88	25.93	10.60	30.54	12.71	32.03	13.78	34.57	15.32	38.27	18.28	43.38	21.40	
48	22.06	9.04	25.93	10.65	30.54	12.85	32.03	14.02	34.57	15.75	38.27	19.09	43.38	21.89	
50	19.86	8.33	23.34	9.81	27.48	11.87	28.83	12.92	31.11	14.48	34.44	17.62	39.04	20.15	
52	15.89	6.81	18.67	8.02	21.99	9.69	23.06	10.58	24.89	11.88	27.56	14.42	31.23	16.50	
55	11.12	4.88	13.07	5.75	15.39	6.95	16.14	7.55	17.42	8.49	19.29	10.31	21.86	11.80	
60%	-15	18.90	3.00	22.30	3.46	26.23	4.08	27.46	4.25	29.29	4.60	33.55	5.26	36.48	5.92
	-10	18.90	3.25	22.30	3.74	26.23	4.40	27.46	4.59	29.29	4.96	33.55	5.68	36.48	6.38
	-5	18.90	3.50	22.30	4.03	26.23	4.76	27.46	4.95	29.29	5.36	33.55	6.15	36.48	6.90
	-2	18.90	3.54	22.30	4.10	26.23	4.85	27.46	5.03	29.29	5.40	33.55	6.23	36.48	6.96
	0	18.90	3.59	22.30	4.15	26.23	4.90	27.46	5.09	29.29	5.50	33.55	6.33	36.48	7.04
	2	18.90	3.65	22.30	4.24	26.23	5.01	27.46	5.19	29.29	5.55	33.55	6.46	36.48	7.12
	4	18.90	3.76	22.30	4.32	26.23	5.08	27.46	5.26	29.29	5.66	33.55	6.54	36.48	7.22
	6	18.90	3.79	22.30	4.42	26.23	5.19	27.46	5.37	29.29	5.75	33.55	6.69	36.48	7.38
	8	18.90	3.87	22.30	4.47	26.23	5.29	27.46	5.46	29.29	5.87	33.55	6.82	36.48	7.52
	10	18.90	3.94	22.30	4.57	26.23	5.38	27.46	5.63	29.29	5.98	33.55	6.94	36.48	7.61
	12	18.90	4.02	22.30	4.65	26.23	5.47	27.46	5.73	29.29	6.10	33.55	7.07	36.48	7.74
	14	18.90	4.07	22.30	4.73	26.23	5.54	27.46	5.81	29.29	6.22	33.55	7.21	36.48	7.89
	16	18.90	4.12	22.30	4.81	26.23	5.64	27.46	5.92	29.29	6.33	33.55	7.31	36.48	8.05
	18	18.90	4.20	22.30	4.88	26.23	5.75	27.46	6.01	29.29	6.45	33.55	7.45	36.48	8.19
	20	18.90	4.25	22.30	4.98	26.23	5.85	27.46	6.15	29.29	6.56	33.55	7.62	36.48	8.38
	21	18.90	4.30	22.30	5.00	26.23	5.91	27.46	6.18	29.29	6.63	33.55	7.68	36.48	8.44
	23	18.90	4.35	22.30	5.11	26.23	6.02	27.46	6.33	29.29	6.73	33.55	7.96	36.48	9.00
	25	18.90	4.42	22.30	5.18	26.23	6.25	27.46	6.61	29.29	7.16	33.55	8.53	36.48	9.61
	27	18.90	4.61	22.30	5.50	26.23	6.64	27.46	7.08	29.29	7.62	33.55	9.09	36.48	10.22
	29	18.90	4.85	22.30	5.84	26.23	7.09	27.46	7.50	29.29	8.13	33.55	9.68	36.48	10.96
	31	18.90	5.15	22.30	6.19	26.23	7.50	27.46	7.97	29.29	8.67	33.55	10.31	36.48	11.65
	33	18.90	5.43	22.30	6.56	26.23	7.97	27.46	8.47	29.29	9.20	33.55	10.94	36.48	12.43
	35	18.90	5.78	22.30	6.98	26.23	8.44	27.46	8.99	29.29	9.77	33.55	11.66	36.48	13.22
	37	18.90	6.09	22.30	7.38	26.23	8.96	27.46	9.57	29.29	10.36	33.55	12.39	36.48	14.06
	39	18.90	6.42	22.30	7.80	26.23	9.49	27.46	10.10	29.29	11.03	33.55	13.15	36.48	14.94
	41	18.90	6.63	22.30	8.13	26.23	9.86	27.46	10.53	29.29	11.43	33.55	13.78	36.48	15.61
	43	18.90	6.84	22.30	8.48	26.23	10.21	27.46	10.85	29.29	11.83	33.55	14.38	36.48	16.34
46	18.90	7.18	22.30	8.90	26.23	10.59	27.46	11.24	29.29	12.41	33.55	15.00	36.48	17.18	
48	18.90	7.42	22.30	9.27	26.23	10.95	27.46	11.52	29.29	12.86	33.55	15.54	36.48	18.04	
50	17.01	6.83	20.07	8.53	23.60	10.12	24.71	10.61	26.36	11.88	30.20	14.30	32.83	16.59	
52	13.61	5.60	16.06	7.00	18.88	8.24	19.77	8.67	21.09	9.71	24.16	11.70	26.26	13.60	
55	9.53	4.01	11.24	5.01	13.22	5.92	13.84	6.20	14.76	6.93	16.91	8.40	18.38	9.74	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.5:16HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	15.52	2.58	18.71	3.00	21.50	3.40	23.15	3.61	24.64	3.81	27.78	4.35	31.12	4.71
	-10	15.52	2.78	18.71	3.23	21.50	3.68	23.15	3.89	24.64	4.12	27.78	4.71	31.12	5.11
	-5	15.52	3.01	18.71	3.50	21.50	3.97	23.15	4.21	24.64	4.45	27.78	5.09	31.12	5.51
	-2	15.52	3.03	18.71	3.56	21.50	4.01	23.15	4.26	24.64	4.53	27.78	5.16	31.12	5.58
	0	15.52	3.07	18.71	3.62	21.50	4.10	23.15	4.32	24.64	4.58	27.78	5.24	31.12	5.67
	2	15.52	3.11	18.71	3.66	21.50	4.16	23.15	4.38	24.64	4.65	27.78	5.25	31.12	5.77
	4	15.52	3.14	18.71	3.73	21.50	4.22	23.15	4.44	24.64	4.74	27.78	5.38	31.12	5.93
	6	15.52	3.20	18.71	3.80	21.50	4.26	23.15	4.54	24.64	4.83	27.78	5.47	31.12	6.09
	8	15.52	3.27	18.71	3.86	21.50	4.34	23.15	4.63	24.64	4.90	27.78	5.57	31.12	6.29
	10	15.52	3.34	18.71	3.89	21.50	4.42	23.15	4.70	24.64	5.05	27.78	5.71	31.12	6.39
	12	15.52	3.37	18.71	3.95	21.50	4.48	23.15	4.81	24.64	5.14	27.78	5.80	31.12	6.49
	14	15.52	3.43	18.71	3.99	21.50	4.54	23.15	4.91	24.64	5.23	27.78	5.92	31.12	6.63
	16	15.52	3.46	18.71	4.05	21.50	4.62	23.15	4.99	24.64	5.30	27.78	6.00	31.12	6.73
	18	15.52	3.52	18.71	4.13	21.50	4.69	23.15	5.06	24.64	5.39	27.78	6.10	31.12	6.85
	20	15.52	3.58	18.71	4.17	21.50	4.77	23.15	5.14	24.64	5.50	27.78	6.21	31.12	6.97
	21	15.52	3.59	18.71	4.21	21.50	4.80	23.15	5.18	24.64	5.55	27.78	6.30	31.12	7.06
	23	15.52	3.65	18.71	4.27	21.50	4.88	23.15	5.29	24.64	5.65	27.78	6.40	31.12	7.21
	25	15.52	3.70	18.71	4.35	21.50	4.98	23.15	5.39	24.64	5.82	27.78	6.73	31.12	7.70
	27	15.52	3.78	18.71	4.54	21.50	5.26	23.15	5.73	24.64	6.19	27.78	7.14	31.12	8.19
	29	15.52	3.96	18.71	4.79	21.50	5.57	23.15	6.10	24.64	6.59	27.78	7.60	31.12	8.72
	31	15.52	4.19	18.71	5.05	21.50	5.91	23.15	6.47	24.64	6.99	27.78	8.08	31.12	9.29
	33	15.52	4.45	18.71	5.36	21.50	6.27	23.15	6.83	24.64	7.43	27.78	8.59	31.12	9.86
	35	15.52	4.70	18.71	5.66	21.50	6.62	23.15	7.27	24.64	7.84	27.78	9.11	31.12	10.50
37	15.52	4.93	18.71	6.00	21.50	7.04	23.15	7.67	24.64	8.31	27.78	9.70	31.12	11.17	
39	15.52	5.21	18.71	6.30	21.50	7.44	23.15	8.14	24.64	8.81	27.78	10.29	31.12	11.84	
41	15.52	5.42	18.71	6.57	21.50	7.68	23.15	8.51	24.64	9.21	27.78	10.82	31.12	12.37	
43	15.52	5.78	18.71	7.04	21.50	7.96	23.15	8.91	24.64	9.44	27.78	11.37	31.12	12.97	
46	15.52	5.93	18.71	7.23	21.50	8.51	23.15	9.57	24.64	9.83	27.78	12.45	31.12	14.02	
48	15.52	6.05	18.71	7.39	21.50	8.98	23.15	10.22	24.64	10.33	27.78	13.42	31.12	15.08	
50	13.97	5.57	16.84	6.81	19.35	8.25	20.83	9.40	22.17	9.51	25.01	12.35	28.01	13.89	
52	11.17	4.54	13.47	5.57	15.48	6.77	16.67	7.70	17.74	7.76	20.00	10.14	22.40	11.38	
55	7.82	3.26	9.43	3.98	10.84	4.83	11.67	5.52	12.42	5.55	14.00	7.23	15.68	8.16	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table 2-8.6: 18HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	44.95	6.41	53.97	7.91	62.51	8.47	64.32	8.71	68.21	9.08	69.86	9.84	71.06	9.83
	-10	44.95	6.93	53.97	8.55	62.51	9.14	64.32	9.41	68.21	9.77	69.86	10.62	71.06	10.63
	-5	44.95	7.51	53.97	9.20	62.51	9.87	64.32	10.16	68.21	10.60	69.86	11.51	71.06	11.46
	-2	44.95	7.51	53.97	9.38	62.51	9.85	64.32	10.22	68.21	10.56	69.86	11.63	71.06	11.59
	0	44.95	7.62	53.97	9.55	62.51	10.21	64.32	10.81	68.21	11.18	69.86	11.81	71.06	11.78
	2	44.95	7.76	53.97	9.58	62.51	10.59	64.32	11.42	68.21	11.31	69.86	11.88	71.06	11.94
	4	44.95	7.92	53.97	9.75	62.51	10.94	64.32	11.44	68.21	11.48	69.86	12.04	71.06	12.14
	6	44.95	8.09	53.97	9.96	62.51	11.35	64.32	11.53	67.38	11.81	68.93	12.22	70.24	12.23
	8	44.95	8.28	53.97	10.18	62.51	11.88	64.32	12.10	66.56	12.21	68.21	12.30	69.32	12.36
	10	44.95	8.46	53.97	10.40	62.51	12.34	64.32	12.51	65.73	12.42	67.48	12.45	68.60	12.72
	12	44.95	8.60	53.97	10.59	62.51	12.61	63.40	12.67	65.01	12.61	66.56	12.67	67.68	12.80
	14	44.95	8.75	53.97	10.80	62.31	12.81	62.68	12.91	64.08	12.78	65.73	12.87	66.96	13.07
	16	44.95	8.92	53.97	11.05	61.59	12.99	61.77	13.04	63.15	13.18	64.90	13.04	66.04	13.30
	18	44.95	9.11	53.97	11.27	60.66	13.16	60.85	13.11	62.43	13.32	64.08	13.47	65.22	13.46
	20	44.95	9.29	53.97	11.95	59.73	13.83	60.13	13.76	61.50	13.99	63.15	14.12	64.40	14.18
	21	44.95	9.54	53.97	12.41	59.42	14.13	59.83	14.08	61.19	14.34	62.84	14.45	63.99	14.46
	23	44.95	10.22	53.97	13.32	58.70	14.80	58.91	14.71	60.26	14.95	61.91	15.12	63.07	15.11
	25	44.95	10.89	53.97	14.27	57.78	15.39	57.99	15.38	59.54	15.62	61.19	15.81	62.36	15.82
	27	44.95	11.65	53.97	15.22	57.06	16.09	57.27	16.00	58.61	16.31	60.26	16.45	61.43	16.50
	29	44.95	12.47	53.97	16.30	56.13	16.73	56.35	16.67	57.89	16.94	59.54	17.17	60.72	17.17
	31	44.95	13.29	53.76	17.23	55.20	17.37	55.64	17.30	56.96	17.60	58.61	17.76	59.80	17.83
	33	44.95	14.17	52.83	17.87	54.48	18.05	54.72	17.94	56.24	18.31	57.89	18.51	58.87	18.55
	35	44.95	15.07	52.01	18.50	53.55	18.72	54.01	18.60	55.31	18.95	56.96	19.13	58.16	19.23
	37	44.95	16.02	51.18	19.17	52.73	19.41	53.09	19.33	54.59	19.68	56.03	19.90	57.24	19.89
	39	44.95	17.06	50.25	19.40	51.91	20.02	52.27	20.01	53.66	20.32	55.31	20.58	56.52	20.62
41	44.95	18.02	49.74	19.62	51.29	20.17	51.76	20.20	53.04	20.46	54.69	20.56	54.37	20.83	
43	44.95	18.43	49.43	19.72	51.08	20.23	51.56	20.23	52.52	20.57	53.76	20.66	53.65	20.84	
46	44.95	19.35	49.12	19.83	50.46	20.42	50.94	20.37	51.80	20.60	52.32	20.69	52.63	21.23	
48	44.95	20.05	48.91	20.54	49.64	20.63	50.13	20.57	51.08	20.85	50.87	21.07	51.40	21.29	
50	40.45	18.40	44.02	18.84	44.68	19.02	45.11	18.93	45.97	19.15	45.78	19.35	46.26	19.67	
52	32.36	15.11	35.22	15.40	35.74	15.53	36.09	15.49	36.78	15.68	36.63	15.86	37.01	16.07	
55	22.65	10.77	24.65	11.04	25.02	11.12	25.26	11.06	25.74	11.22	25.64	11.35	25.91	11.48	
120%	-15	41.39	6.18	50.17	7.65	57.44	8.89	61.91	9.79	64.34	10.11	65.64	10.39	67.27	10.68
	-10	41.39	6.68	50.17	8.24	57.44	9.62	61.91	10.56	64.34	10.87	65.64	11.21	67.27	11.54
	-5	41.39	7.20	50.17	8.91	57.44	10.35	61.91	11.42	64.34	11.78	65.64	12.12	67.27	12.45
	-2	41.39	7.29	50.17	8.98	57.44	10.47	61.91	11.43	64.34	11.90	65.64	12.21	67.27	12.51
	0	41.39	7.38	50.17	9.06	57.44	10.60	61.91	11.48	64.34	12.01	65.64	12.29	67.27	12.52
	2	41.39	7.39	50.17	9.17	57.44	10.67	61.91	11.62	64.34	12.04	65.64	12.37	67.27	12.56
	4	41.39	7.45	50.17	9.26	57.44	10.80	61.91	11.70	64.34	12.23	65.64	12.42	67.27	12.58
	6	41.39	7.53	50.17	9.35	57.44	10.92	61.91	11.80	64.34	12.34	65.64	12.53	67.27	12.62
	8	41.39	7.58	50.17	9.46	57.44	11.10	61.91	11.99	64.34	12.47	65.64	12.56	67.27	12.73
	10	41.39	7.67	50.17	9.58	57.44	11.16	61.91	12.19	64.34	12.47	65.64	12.62	67.27	12.75
	12	41.39	7.86	50.17	9.76	57.44	11.38	61.91	12.40	63.42	12.57	64.73	12.51	66.35	12.85
	14	41.39	7.97	50.17	9.96	57.44	11.66	61.91	12.67	62.50	12.59	64.01	12.72	65.63	13.02
	16	41.39	8.14	50.17	10.15	57.44	11.87	61.50	12.90	61.78	12.79	63.09	12.92	64.71	13.21
	18	41.39	8.29	50.17	10.34	57.44	12.25	60.67	13.22	60.86	13.15	62.17	13.24	63.99	13.36
	20	41.39	8.44	50.17	10.73	57.44	13.21	59.85	13.81	60.15	13.78	61.46	13.84	63.07	14.01
	21	41.39	8.52	50.17	11.15	57.44	13.66	59.33	14.13	59.53	14.11	61.05	14.16	62.77	14.39
	23	41.39	9.14	50.17	11.92	57.44	14.61	58.61	14.78	58.82	14.74	60.13	14.84	61.84	15.00
	25	41.39	9.75	50.17	12.78	56.52	15.24	57.68	15.41	57.90	15.38	59.42	15.46	61.02	15.67
	27	41.39	10.39	50.17	13.66	55.80	15.88	56.96	16.12	57.18	16.04	58.50	16.16	60.21	16.36
	29	41.39	11.09	50.17	14.60	54.88	16.49	56.03	16.77	56.26	16.65	57.58	16.81	59.39	17.03
	31	41.39	11.82	50.17	15.57	53.96	17.23	55.31	17.38	55.54	17.38	56.87	17.44	58.46	17.67
	33	41.39	12.61	50.17	16.55	53.24	17.85	54.38	18.03	54.62	17.99	55.95	18.17	57.54	18.34
	35	41.39	13.39	50.17	17.70	52.32	18.47	53.45	18.68	53.91	18.63	55.23	18.80	56.83	19.05
	37	41.39	14.30	50.17	18.81	51.60	19.18	52.73	19.39	52.99	19.32	54.31	19.48	55.91	19.78
	39	41.39	15.19	49.96	19.92	50.68	19.83	51.80	20.10	52.07	19.95	53.60	20.19	55.19	20.43
41	41.39	15.58	49.54	19.99	50.27	19.96	51.39	20.17	51.66	20.10	53.19	20.27	53.65	20.62	
43	41.39	15.80	49.34	20.15	49.86	20.02	50.97	20.28	51.25	20.16	52.27	20.26	52.83	20.95	
46	41.39	16.02	49.02	20.40	49.35	20.19	50.46	20.51	50.84	20.35	51.25	20.32	52.22	21.42	
48	41.39	16.16	48.61	20.56	48.74	20.39	49.63	20.55	50.22	20.50	50.43	20.53	51.60	21.67	
50	37.25	14.87	43.75	18.98	43.86	18.75	44.67	18.97	45.20	18.91	45.39	18.88	46.44	20.00	
52	29.80	12.13	35.00	15.51	35.09	15.40	35.74	15.50	36.16	15.48	36.31	15.49	37.16	16.36	
55	20.86	8.68	24.50	11.11	24.56	11.02	25.02	11.08	25.31	11.09	25.42	11.08	26.01	11.69	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.6:18HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	38.62	5.51	45.18	6.72	52.48	8.02	57.30	8.80	59.94	9.30	65.64	9.85	67.07	10.10
	-10	38.62	5.96	45.18	7.26	52.48	8.68	57.30	9.47	59.94	10.03	65.64	10.61	67.07	10.94
	-5	38.62	6.42	45.18	7.83	52.48	9.35	57.30	10.23	59.94	10.84	65.64	11.46	67.07	11.81
	-2	38.62	6.55	45.18	7.92	52.48	9.45	57.30	10.34	59.94	10.89	65.64	11.57	67.07	11.87
	0	38.62	6.63	45.18	7.99	52.48	9.51	57.30	10.42	59.94	11.02	65.64	11.71	67.07	12.02
	2	38.62	6.75	45.18	8.04	52.48	9.65	57.30	10.52	59.94	11.14	65.64	11.83	67.07	12.12
	4	38.62	6.90	45.18	8.15	52.48	9.75	57.30	10.68	59.94	11.30	65.64	12.03	67.07	12.27
	6	38.62	6.96	45.18	8.25	52.48	9.87	57.30	10.81	59.94	11.45	65.64	12.12	67.07	12.44
	8	38.62	7.02	45.18	8.36	52.48	9.98	57.30	10.96	59.94	11.58	65.64	12.22	67.07	12.60
	10	38.62	7.12	45.18	8.47	52.48	10.10	57.30	11.12	59.94	11.77	65.64	12.30	67.07	12.66
	12	38.62	7.27	45.18	8.65	52.48	10.31	57.30	11.34	59.94	12.01	64.91	12.48	66.13	12.86
	14	38.62	7.39	45.18	8.80	52.48	10.50	57.30	11.58	59.94	12.19	63.97	12.61	65.41	12.95
	16	38.62	7.51	45.18	8.98	52.48	10.69	57.30	11.79	59.94	12.48	63.24	12.74	64.47	13.08
	18	38.62	7.66	45.18	9.16	52.48	10.93	57.30	12.09	59.94	13.04	62.30	13.41	63.74	13.51
	20	38.62	7.79	45.18	9.33	52.48	11.57	57.30	13.04	59.02	13.73	61.57	14.02	62.81	14.16
	21	38.62	7.89	45.18	9.61	52.48	11.99	57.30	13.53	58.61	14.01	61.05	14.40	62.39	14.51
	23	38.62	8.27	45.18	10.31	52.48	12.84	57.30	14.47	57.69	14.64	60.32	15.06	61.45	15.14
	25	38.62	8.81	45.18	11.04	52.48	13.69	57.30	15.53	56.98	15.28	59.38	15.68	60.73	15.84
	27	38.62	9.37	45.18	11.76	52.48	14.69	56.36	16.15	56.06	15.92	58.66	16.35	59.79	16.47
	29	38.62	10.01	45.18	12.59	52.48	15.67	55.63	16.80	55.34	16.60	57.72	17.03	59.06	17.13
	31	38.62	10.69	45.18	13.38	52.48	16.73	54.70	17.49	54.42	17.26	56.88	17.68	58.13	17.84
	33	38.62	11.34	45.18	14.28	52.17	17.62	53.97	18.14	53.70	17.83	56.05	18.36	57.40	18.56
	35	38.62	12.10	45.18	15.22	51.25	18.26	53.03	18.78	52.78	18.55	55.11	19.05	56.46	19.23
	37	38.62	12.87	45.18	16.20	50.54	19.00	52.30	19.45	51.86	19.20	54.28	19.71	55.53	19.83
	39	38.62	13.63	45.18	17.29	49.62	19.56	51.36	20.15	51.15	19.87	53.45	20.45	54.80	20.57
41	38.62	13.82	45.18	17.43	49.21	19.70	50.95	20.29	50.74	20.00	52.72	20.51	53.14	20.70	
43	38.62	13.93	45.18	17.63	48.80	19.88	50.53	20.36	50.33	20.07	52.20	20.59	52.30	21.16	
46	38.62	14.41	45.18	17.75	48.29	20.05	50.01	20.60	49.92	20.30	51.67	21.17	51.78	21.65	
48	38.62	14.85	45.18	19.23	47.57	20.16	49.28	20.78	49.30	20.48	50.84	21.20	51.16	21.81	
50	34.75	13.71	40.66	17.65	42.82	18.53	44.35	19.09	44.37	18.84	45.76	19.51	46.04	20.04	
52	27.80	11.20	32.53	14.48	34.25	15.17	35.48	15.63	35.50	15.38	36.61	15.97	36.84	16.42	
55	19.46	8.00	22.77	10.36	23.98	10.84	24.84	11.16	24.85	11.03	25.62	11.41	25.78	11.75	
100%	-15	34.41	4.91	40.48	5.83	47.73	7.03	50.00	7.47	53.57	8.06	60.28	9.24	63.64	9.61
	-10	34.41	5.29	40.48	6.31	47.73	7.61	50.00	8.07	53.57	8.71	60.28	9.97	63.64	10.37
	-5	34.41	5.72	40.48	6.81	47.73	8.20	50.00	8.71	53.57	9.43	60.28	10.76	63.64	11.20
	-2	34.41	5.79	40.48	6.89	47.73	8.30	50.00	8.88	53.57	9.53	60.28	10.88	63.64	11.29
	0	34.41	5.85	40.48	6.98	47.73	8.38	50.00	8.99	53.57	9.63	60.28	11.05	63.64	11.38
	2	34.41	5.97	40.48	7.08	47.73	8.48	50.00	9.11	53.57	9.73	60.28	11.22	63.64	11.59
	4	34.41	5.99	40.48	7.12	47.73	8.63	50.00	9.23	53.57	9.88	60.28	11.31	63.64	11.70
	6	34.41	6.10	40.48	7.26	47.73	8.72	50.00	9.40	53.57	10.04	60.28	11.48	63.64	11.90
	8	34.41	6.23	40.48	7.37	47.73	8.87	50.00	9.52	53.57	10.18	60.28	11.67	63.64	12.08
	10	34.41	6.27	40.48	7.53	47.73	9.04	50.00	9.67	53.57	10.36	60.28	11.88	63.64	12.27
	12	34.41	6.38	40.48	7.68	47.73	9.20	50.00	9.85	53.57	10.57	60.28	12.11	62.73	12.34
	14	34.41	6.52	40.48	7.83	47.73	9.37	50.00	10.04	53.57	10.74	60.28	12.31	62.03	12.54
	16	34.41	6.63	40.48	7.96	47.73	9.56	50.00	10.24	53.57	10.96	59.97	12.45	61.12	12.68
	18	34.41	6.75	40.48	8.12	47.73	9.75	50.00	10.43	53.57	11.20	59.27	12.87	60.42	12.98
	20	34.41	6.86	40.48	8.29	47.73	10.03	50.00	10.98	53.57	12.01	58.36	13.51	59.51	13.63
	21	34.41	6.96	40.48	8.34	47.73	10.40	50.00	11.35	53.57	12.44	57.96	13.78	59.21	13.90
	23	34.41	7.12	40.48	8.90	47.73	11.15	50.00	12.16	53.57	13.32	57.25	14.46	58.30	14.53
	25	34.41	7.57	40.48	9.51	47.73	11.92	50.00	13.03	53.57	14.23	56.35	15.05	57.50	15.16
	27	34.41	8.11	40.48	10.17	47.73	12.73	50.00	13.96	53.57	15.22	55.44	15.73	56.69	15.83
	29	34.41	8.63	40.48	10.83	47.73	13.61	50.00	14.88	53.37	16.22	54.73	16.32	55.89	16.47
	31	34.41	9.16	40.48	11.53	47.73	14.49	50.00	15.91	52.66	16.85	53.83	17.02	54.98	17.16
	33	34.41	9.72	40.48	12.34	47.73	15.45	50.00	16.96	51.76	17.44	53.12	17.66	54.28	17.76
	35	34.41	10.37	40.48	13.08	47.73	16.49	50.00	18.09	50.85	18.09	52.21	18.26	53.37	18.39
	37	34.41	11.04	40.48	13.94	47.73	17.55	49.10	18.71	50.15	18.73	51.51	18.95	52.46	19.03
	39	34.41	11.68	40.48	14.81	47.73	18.72	48.40	19.38	49.24	19.36	50.60	19.53	51.76	19.71
41	34.41	12.28	40.48	15.34	47.73	19.39	47.60	19.49	48.94	19.64	49.69	20.03	51.05	20.17	
43	34.41	12.79	40.48	15.86	47.73	19.77	46.90	19.75	48.54	19.89	50.00	20.12	50.15	20.40	
46	34.41	13.53	40.48	16.60	47.73	20.14	45.90	19.99	48.33	20.19	49.59	20.51	49.14	20.66	
48	34.41	14.10	40.48	17.20	47.73	20.12	44.00	20.22	48.23	20.54	46.57	20.72	48.03	20.86	
50	30.97	12.97	36.43	15.81	42.96	18.51	39.60	18.62	43.41	18.91	41.91	19.07	43.23	19.19	
52	24.77	10.64	29.15	12.96	34.37	15.14	31.68	15.22	34.73	15.51	33.53	15.58	34.58	15.68	
55	17.34	7.61	20.40	9.26	24.06	10.85	22.18	10.88	24.31	11.09	23.47	11.12	24.21	11.20	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.6: 18HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	31.13	4.37	37.85	5.35	43.78	6.29	46.39	6.78	49.43	7.23	55.30	8.29	61.38	9.48
	-10	31.13	4.71	37.85	5.76	43.78	6.76	46.39	7.31	49.43	7.82	55.30	8.95	61.38	10.23
	-5	31.13	5.08	37.85	6.23	43.78	7.31	46.39	7.90	49.43	8.41	55.30	9.66	61.38	11.10
	-2	31.13	5.15	37.85	6.29	43.78	7.41	46.39	8.01	49.43	8.55	55.30	9.76	61.38	11.17
	0	31.13	5.21	37.85	6.37	43.78	7.54	46.39	8.13	49.43	8.64	55.30	9.86	61.38	11.26
	2	31.13	5.29	37.85	6.45	43.78	7.60	46.39	8.26	49.43	8.75	55.30	10.09	61.38	11.43
	4	31.13	5.37	37.85	6.55	43.78	7.74	46.39	8.34	49.43	8.87	55.30	10.23	61.38	11.62
	6	31.13	5.44	37.85	6.66	43.78	7.88	46.39	8.52	49.43	9.03	55.30	10.39	61.38	11.77
	8	31.13	5.54	37.85	6.78	43.78	8.03	46.39	8.64	49.43	9.19	55.30	10.59	61.38	11.92
	10	31.13	5.65	37.85	6.95	43.78	8.19	46.39	8.76	49.43	9.41	55.30	10.73	61.38	12.11
	12	31.13	5.75	37.85	7.07	43.78	8.34	46.39	8.92	49.43	9.59	55.30	10.91	61.38	12.35
	14	31.13	5.85	37.85	7.18	43.78	8.47	46.39	9.09	49.43	9.74	55.30	11.12	61.38	12.56
	16	31.13	5.94	37.85	7.33	43.78	8.64	46.39	9.24	49.43	9.94	55.30	11.33	61.28	12.79
	18	31.13	6.04	37.85	7.47	43.78	8.81	46.39	9.42	49.43	10.17	55.30	11.58	60.56	13.15
	20	31.13	6.16	37.85	7.64	43.78	8.99	46.39	9.60	49.43	10.50	55.30	12.45	59.63	13.77
	21	31.13	6.23	37.85	7.69	43.78	9.11	46.39	9.93	49.43	10.91	55.30	12.88	59.22	14.11
	23	31.13	6.34	37.85	7.99	43.78	9.77	46.39	10.66	49.43	11.70	55.30	13.81	58.29	14.78
	25	31.13	6.70	37.85	8.57	43.78	10.48	46.39	11.44	49.43	12.50	55.30	14.80	57.57	15.40
	27	31.13	7.13	37.85	9.09	43.78	11.16	46.39	12.19	49.43	13.34	55.30	15.87	56.64	16.03
	29	31.13	7.59	37.85	9.71	43.78	11.89	46.39	12.98	49.43	14.29	54.79	16.54	55.92	16.72
	31	31.13	8.04	37.85	10.33	43.78	12.72	46.39	13.86	49.43	15.22	53.86	17.18	55.00	17.36
	33	31.13	8.56	37.85	10.99	43.78	13.54	46.39	14.76	49.43	16.24	53.14	17.85	54.27	18.01
	35	31.13	9.10	37.85	11.71	43.78	14.40	46.39	15.76	49.43	17.29	52.21	18.55	53.35	18.68
	37	31.13	9.65	37.85	12.43	43.78	15.38	46.39	16.75	49.43	18.51	51.29	19.20	52.63	19.33
	39	31.13	10.21	37.85	13.26	43.78	16.32	46.39	17.88	49.43	19.62	50.57	19.85	51.70	19.98
41	31.13	10.60	37.85	13.86	43.78	16.89	46.39	18.39	49.43	19.78	50.26	20.33	51.29	20.49	
43	31.13	11.06	37.85	14.41	43.78	17.52	46.39	18.84	49.43	20.25	49.95	20.64	50.88	20.79	
46	31.13	11.82	37.85	15.12	43.78	18.25	46.39	19.46	49.43	20.75	49.64	20.88	50.16	21.11	
48	31.13	12.43	37.85	15.84	43.78	18.94	46.39	19.72	49.43	20.96	49.23	21.13	48.71	21.37	
50	28.01	11.44	34.07	14.57	39.40	17.41	41.75	18.11	44.48	19.31	44.31	19.46	43.84	19.63	
52	22.41	9.36	27.26	11.94	31.52	14.23	33.40	14.80	35.59	15.79	35.44	15.90	35.07	16.07	
55	15.69	6.71	19.08	8.52	22.06	10.19	23.38	10.64	24.91	11.27	24.81	11.37	24.55	11.52	
80%	-15	28.08	3.91	33.19	4.59	38.15	5.37	41.75	5.83	43.59	6.14	49.38	7.16	54.27	8.14
	-10	28.08	4.23	33.19	4.97	38.15	5.81	41.75	6.30	43.59	6.62	49.38	7.73	54.27	8.78
	-5	28.08	4.55	33.19	5.35	38.15	6.27	41.75	6.82	43.59	7.16	49.38	8.35	54.27	9.48
	-2	28.08	4.63	33.19	5.42	38.15	6.31	41.75	6.90	43.59	7.24	49.38	8.46	54.27	9.59
	0	28.08	4.70	33.19	5.49	38.15	6.42	41.75	6.98	43.59	7.36	49.38	8.57	54.27	9.70
	2	28.08	4.79	33.19	5.57	38.15	6.50	41.75	7.14	43.59	7.50	49.38	8.75	54.27	9.88
	4	28.08	4.88	33.19	5.66	38.15	6.62	41.75	7.28	43.59	7.64	49.38	8.92	54.27	10.02
	6	28.08	4.97	33.19	5.79	38.15	6.73	41.75	7.45	43.59	7.78	49.38	9.03	54.27	10.20
	8	28.08	5.05	33.19	5.92	38.15	6.89	41.75	7.59	43.59	7.96	49.38	9.16	54.27	10.37
	10	28.08	5.08	33.19	6.06	38.15	7.04	41.75	7.75	43.59	8.13	49.38	9.37	54.27	10.51
	12	28.08	5.16	33.19	6.17	38.15	7.18	41.75	7.90	43.59	8.31	49.38	9.53	54.27	10.70
	14	28.08	5.27	33.19	6.28	38.15	7.30	41.75	8.03	43.59	8.44	49.38	9.72	54.27	10.91
	16	28.08	5.35	33.19	6.38	38.15	7.45	41.75	8.17	43.59	8.58	49.38	9.94	54.27	11.07
	18	28.08	5.45	33.19	6.52	38.15	7.58	41.75	8.35	43.59	8.77	49.38	10.11	54.27	11.34
	20	28.08	5.54	33.19	6.64	38.15	7.76	41.75	8.50	43.59	8.92	49.38	10.49	54.27	12.12
	21	28.08	5.60	33.19	6.70	38.15	7.84	41.75	8.61	43.59	9.14	49.38	10.89	54.27	12.55
	23	28.08	5.69	33.19	6.82	38.15	8.21	41.75	9.17	43.59	9.79	49.38	11.64	54.27	13.46
	25	28.08	5.88	33.19	7.26	38.15	8.78	41.75	9.79	43.59	10.47	49.38	12.45	54.27	14.38
	27	28.08	6.25	33.19	7.72	38.15	9.32	41.75	10.45	43.59	11.18	49.38	13.28	54.27	15.43
	29	28.08	6.66	33.19	8.25	38.15	9.96	41.75	11.11	43.59	11.93	49.38	14.21	54.27	16.44
	31	28.08	7.06	33.19	8.75	38.15	10.57	41.75	11.87	43.59	12.69	49.38	15.18	53.35	17.13
	33	28.08	7.49	33.19	9.32	38.15	11.28	41.75	12.62	43.59	13.51	49.38	16.16	52.63	17.72
	35	28.08	7.96	33.19	9.90	38.15	11.99	41.75	13.43	43.59	14.43	49.38	17.25	51.71	18.40
	37	28.08	8.44	33.19	10.52	38.15	12.73	41.75	14.34	43.59	15.32	49.38	18.41	50.99	19.06
	39	28.08	8.92	33.19	11.19	38.15	13.59	41.75	15.25	43.59	16.33	49.38	19.61	50.07	19.75
41	28.08	9.15	33.19	11.30	38.15	13.78	41.75	15.64	43.59	16.64	49.38	20.07	49.76	20.06	
43	28.08	9.40	33.19	11.39	38.15	13.97	41.75	15.94	43.59	16.86	49.38	20.27	49.45	20.27	
46	28.08	9.68	33.19	11.51	38.15	14.24	41.75	16.23	43.59	17.13	49.38	20.55	48.84	20.57	
48	28.08	9.99	33.19	11.59	38.15	14.46	41.75	16.45	43.59	17.29	49.38	20.75	48.43	20.91	
50	25.27	9.20	29.87	10.66	34.34	13.33	37.58	15.14	39.23	15.88	44.44	19.06	43.59	19.24	
52	20.21	7.52	23.89	8.75	27.47	10.87	30.06	12.40	31.39	12.98	35.55	15.62	34.87	15.71	
55	14.15	5.38	16.73	6.25	19.23	7.77	21.04	8.86	21.97	9.31	24.89	11.14	24.41	11.24	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.6:18HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	24.56	3.50	29.41	4.09	33.45	4.55	36.53	4.98	38.82	5.31	43.47	6.06	47.97	6.92
	-10	24.56	3.77	29.41	4.44	33.45	4.93	36.53	5.37	38.82	5.72	43.47	6.55	47.97	7.50
	-5	24.56	4.06	29.41	4.78	33.45	5.32	36.53	5.83	38.82	6.18	43.47	7.06	47.97	8.10
	-2	24.56	4.10	29.41	4.81	33.45	5.34	36.53	5.93	38.82	6.31	43.47	7.18	47.97	8.21
	0	24.56	4.13	29.41	4.87	33.45	5.46	36.53	6.03	38.82	6.40	43.47	7.32	47.97	8.29
	2	24.56	4.15	29.41	4.90	33.45	5.54	36.53	6.15	38.82	6.52	43.47	7.50	47.97	8.44
	4	24.56	4.20	29.41	5.01	33.45	5.66	36.53	6.26	38.82	6.68	43.47	7.62	47.97	8.62
	6	24.56	4.27	29.41	5.11	33.45	5.81	36.53	6.45	38.82	6.83	43.47	7.73	47.97	8.79
	8	24.56	4.35	29.41	5.24	33.45	5.95	36.53	6.58	38.82	6.98	43.47	7.97	47.97	8.96
	10	24.56	4.44	29.41	5.34	33.45	6.09	36.53	6.71	38.82	7.16	43.47	8.12	47.97	9.07
	12	24.56	4.55	29.41	5.42	33.45	6.23	36.53	6.83	38.82	7.28	43.47	8.27	47.97	9.26
	14	24.56	4.62	29.41	5.50	33.45	6.30	36.53	6.94	38.82	7.41	43.47	8.43	47.97	9.41
	16	24.56	4.71	29.41	5.61	33.45	6.44	36.53	7.06	38.82	7.54	43.47	8.58	47.97	9.58
	18	24.56	4.76	29.41	5.71	33.45	6.55	36.53	7.22	38.82	7.70	43.47	8.74	47.97	9.81
	20	24.56	4.84	29.41	5.82	33.45	6.69	36.53	7.32	38.82	7.83	43.47	8.93	47.97	10.09
	21	24.56	4.90	29.41	5.86	33.45	6.74	36.53	7.42	38.82	7.93	43.47	9.07	47.97	10.42
	23	24.56	4.96	29.41	5.96	33.45	6.87	36.53	7.65	38.82	8.32	43.47	9.69	47.97	11.18
	25	24.56	5.09	29.41	6.21	33.45	7.34	36.53	8.18	38.82	8.85	43.47	10.38	47.97	11.97
	27	24.56	5.38	29.41	6.61	33.45	7.83	36.53	8.70	38.82	9.48	43.47	11.11	47.97	12.80
	29	24.56	5.71	29.41	7.04	33.45	8.31	36.53	9.28	38.82	10.05	43.47	11.79	47.97	13.67
	31	24.56	6.04	29.41	7.43	33.45	8.85	36.53	9.88	38.82	10.71	43.47	12.58	47.97	14.57
	33	24.56	6.40	29.41	7.91	33.45	9.43	36.53	10.49	38.82	11.41	43.47	13.42	47.97	15.48
	35	24.56	6.79	29.41	8.41	33.45	9.98	36.53	11.20	38.82	12.17	43.47	14.28	47.97	16.55
	37	24.56	7.15	29.41	8.89	33.45	10.66	36.53	11.84	38.82	12.95	43.47	15.19	47.97	17.59
	39	24.56	7.57	29.41	9.44	33.45	11.28	36.53	12.60	38.82	13.74	43.47	16.17	47.97	18.75
41	24.56	7.90	29.41	9.77	33.45	11.62	36.53	13.01	38.82	14.14	43.47	16.83	47.97	19.57	
43	24.56	8.57	29.41	10.44	33.45	12.09	36.53	13.72	38.82	14.55	43.47	17.43	47.97	20.23	
46	24.56	8.77	29.41	10.64	33.45	12.33	36.53	13.96	38.82	15.30	43.47	18.44	47.97	20.99	
48	24.56	8.91	29.41	10.74	33.45	12.50	36.53	14.17	38.82	15.75	43.47	19.26	47.97	21.52	
50	22.11	8.22	26.47	9.85	30.10	11.48	32.88	13.05	34.94	14.44	39.12	17.75	43.17	19.81	
52	17.69	6.71	21.17	8.07	24.08	9.40	26.30	10.67	27.95	11.82	31.30	14.54	34.54	16.16	
55	12.38	4.80	14.82	5.78	16.86	6.72	18.41	7.65	19.57	8.45	21.91	10.39	24.18	11.55	
60%	-15	20.66	2.92	24.87	3.42	28.89	3.99	30.66	4.20	33.37	4.63	36.72	5.11	41.11	5.90
	-10	20.66	3.16	24.87	3.70	28.89	4.31	30.66	4.53	33.37	4.99	36.72	5.51	41.11	6.38
	-5	20.66	3.41	24.87	3.99	28.89	4.64	30.66	4.90	33.37	5.39	36.72	5.96	41.11	6.90
	-2	20.66	3.43	24.87	4.06	28.89	4.74	30.66	4.97	33.37	5.48	36.72	6.03	41.11	6.95
	0	20.66	3.48	24.87	4.11	28.89	4.80	30.66	5.04	33.37	5.56	36.72	6.12	41.11	7.05
	2	20.66	3.54	24.87	4.21	28.89	4.89	30.66	5.14	33.37	5.62	36.72	6.27	41.11	7.12
	4	20.66	3.64	24.87	4.28	28.89	4.98	30.66	5.20	33.37	5.71	36.72	6.36	41.11	7.22
	6	20.66	3.68	24.87	4.36	28.89	5.07	30.66	5.32	33.37	5.82	36.72	6.49	41.11	7.38
	8	20.66	3.75	24.87	4.44	28.89	5.18	30.66	5.42	33.37	5.94	36.72	6.62	41.11	7.49
	10	20.66	3.82	24.87	4.53	28.89	5.26	30.66	5.58	33.37	6.05	36.72	6.74	41.11	7.63
	12	20.66	3.90	24.87	4.60	28.89	5.35	30.66	5.68	33.37	6.15	36.72	6.85	41.11	7.73
	14	20.66	3.95	24.87	4.67	28.89	5.42	30.66	5.78	33.37	6.30	36.72	6.99	41.11	7.90
	16	20.66	4.00	24.87	4.75	28.89	5.53	30.66	5.86	33.37	6.39	36.72	7.10	41.11	8.05
	18	20.66	4.06	24.87	4.83	28.89	5.62	30.66	5.97	33.37	6.52	36.72	7.22	41.11	8.20
	20	20.66	4.12	24.87	4.92	28.89	5.71	30.66	6.08	33.37	6.65	36.72	7.38	41.11	8.35
	21	20.66	4.16	24.87	4.96	28.89	5.77	30.66	6.14	33.37	6.67	36.72	7.46	41.11	8.46
	23	20.66	4.21	24.87	5.05	28.89	5.86	30.66	6.24	33.37	6.82	36.72	7.74	41.11	8.99
	25	20.66	4.30	24.87	5.14	28.89	6.09	30.66	6.54	33.37	7.25	36.72	8.27	41.11	9.58
	27	20.66	4.46	24.87	5.45	28.89	6.50	30.66	6.99	33.37	7.71	36.72	8.79	41.11	10.25
	29	20.66	4.71	24.87	5.77	28.89	6.91	30.66	7.46	33.37	8.21	36.72	9.41	41.11	10.95
	31	20.66	5.01	24.87	6.11	28.89	7.34	30.66	7.90	33.37	8.76	36.72	9.97	41.11	11.65
	33	20.66	5.28	24.87	6.50	28.89	7.81	30.66	8.39	33.37	9.29	36.72	10.63	41.11	12.40
	35	20.66	5.59	24.87	6.88	28.89	8.26	30.66	8.90	33.37	9.90	36.72	11.35	41.11	13.20
	37	20.66	5.91	24.87	7.27	28.89	8.76	30.66	9.44	33.37	10.48	36.72	12.02	41.11	14.05
	39	20.66	6.24	24.87	7.70	28.89	9.28	30.66	10.04	33.37	11.17	36.72	12.79	41.11	14.92
41	20.66	6.45	24.87	8.05	28.89	9.60	30.66	10.41	33.37	11.53	36.72	13.35	41.11	15.61	
43	20.66	6.64	24.87	8.38	28.89	9.95	30.66	10.73	33.37	11.95	36.72	13.98	41.11	16.27	
46	20.66	6.96	24.87	8.83	28.89	10.38	30.66	11.13	33.37	12.57	36.72	14.55	41.11	17.18	
48	20.66	7.23	24.87	9.18	28.89	10.73	30.66	11.44	33.37	13.01	36.72	15.12	41.11	18.07	
50	18.60	6.65	22.38	8.47	26.00	9.86	27.59	10.52	30.03	11.97	33.05	13.89	37.00	16.61	
52	14.88	5.42	17.91	6.92	20.80	8.08	22.07	8.59	24.03	9.78	26.44	11.38	29.60	13.58	
55	10.41	3.90	12.53	4.95	14.56	5.76	15.45	6.16	16.82	7.02	18.51	8.14	20.72	9.70	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.6: 18HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	17.42	2.56	21.02	2.99	24.15	3.41	25.52	3.52	27.69	3.79	30.75	4.29	34.65	4.67
	-10	17.42	2.76	21.02	3.23	24.15	3.67	25.52	3.81	27.69	4.09	30.75	4.62	34.65	5.03
	-5	17.42	2.99	21.02	3.48	24.15	3.97	25.52	4.11	27.69	4.43	30.75	5.00	34.65	5.44
	-2	17.42	3.01	21.02	3.56	24.15	4.01	25.52	4.16	27.69	4.50	30.75	5.05	34.65	5.52
	0	17.42	3.06	21.02	3.61	24.15	4.08	25.52	4.23	27.69	4.54	30.75	5.14	34.65	5.61
	2	17.42	3.11	21.02	3.65	24.15	4.16	25.52	4.29	27.69	4.64	30.75	5.16	34.65	5.70
	4	17.42	3.13	21.02	3.72	24.15	4.21	25.52	4.35	27.69	4.74	30.75	5.29	34.65	5.85
	6	17.42	3.19	21.02	3.78	24.15	4.26	25.52	4.43	27.69	4.81	30.75	5.38	34.65	6.02
	8	17.42	3.26	21.02	3.84	24.15	4.34	25.52	4.54	27.69	4.87	30.75	5.47	34.65	6.23
	10	17.42	3.34	21.02	3.88	24.15	4.41	25.52	4.60	27.69	5.02	30.75	5.59	34.65	6.34
	12	17.42	3.36	21.02	3.95	24.15	4.49	25.52	4.69	27.69	5.13	30.75	5.70	34.65	6.41
	14	17.42	3.40	21.02	3.99	24.15	4.52	25.52	4.81	27.69	5.20	30.75	5.79	34.65	6.55
	16	17.42	3.45	21.02	4.04	24.15	4.62	25.52	4.88	27.69	5.26	30.75	5.89	34.65	6.64
	18	17.42	3.51	21.02	4.12	24.15	4.69	25.52	4.96	27.69	5.37	30.75	5.99	34.65	6.78
	20	17.42	3.56	21.02	4.17	24.15	4.75	25.52	5.03	27.69	5.46	30.75	6.10	34.65	6.91
	21	17.42	3.59	21.02	4.21	24.15	4.81	25.52	5.07	27.69	5.52	30.75	6.19	34.65	6.99
	23	17.42	3.63	21.02	4.27	24.15	4.89	25.52	5.18	27.69	5.62	30.75	6.28	34.65	7.12
	25	17.42	3.69	21.02	4.34	24.15	4.99	25.52	5.27	27.69	5.80	30.75	6.61	34.65	7.60
	27	17.42	3.74	21.02	4.52	24.15	5.25	25.52	5.60	27.69	6.15	30.75	7.03	34.65	8.12
	29	17.42	3.96	21.02	4.78	24.15	5.59	25.52	5.97	27.69	6.54	30.75	7.45	34.65	8.63
	31	17.42	4.19	21.02	5.05	24.15	5.90	25.52	6.33	27.69	6.95	30.75	7.92	34.65	9.18
	33	17.42	4.41	21.02	5.34	24.15	6.29	25.52	6.70	27.69	7.39	30.75	8.46	34.65	9.77
	35	17.42	4.68	21.02	5.65	24.15	6.62	25.52	7.09	27.69	7.82	30.75	8.97	34.65	10.39
	37	17.42	4.93	21.02	5.98	24.15	7.02	25.52	7.52	27.69	8.28	30.75	9.51	34.65	11.04
	39	17.42	5.21	21.02	6.30	24.15	7.41	25.52	7.94	27.69	8.80	30.75	10.06	34.65	11.73
41	17.42	5.41	21.02	6.57	24.15	7.70	25.52	8.33	27.69	9.17	30.75	10.61	34.65	12.27	
43	17.42	5.76	21.02	7.02	24.15	7.97	25.52	8.68	27.69	9.41	30.75	11.14	34.65	12.78	
46	17.42	5.92	21.02	7.19	24.15	8.50	25.52	9.36	27.69	9.82	30.75	12.20	34.65	13.87	
48	17.42	6.03	21.02	7.37	24.15	8.94	25.52	9.98	27.69	10.28	30.75	13.19	34.65	14.94	
50	15.68	5.54	18.92	6.80	21.73	8.25	22.97	9.22	24.92	9.45	27.67	12.13	31.19	13.75	
52	12.54	4.53	15.14	5.55	17.38	6.75	18.38	7.53	19.93	7.73	22.14	9.91	24.95	11.24	
55	8.78	3.25	10.60	3.97	12.17	4.83	12.86	5.39	13.95	5.52	15.50	7.10	17.47	8.05	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.7:20HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	51.06	7.92	60.93	9.70	69.22	10.19	72.71	10.72	76.35	11.07	78.89	12.10	80.71	12.15
	-10	51.06	8.56	60.93	10.46	69.22	11.01	72.71	11.60	76.35	11.93	78.89	13.08	80.71	13.17
	-5	51.06	9.25	60.93	11.33	69.22	11.90	72.71	12.50	76.35	12.89	78.89	14.11	80.71	14.18
	-2	51.06	9.25	60.93	11.53	69.22	11.90	72.71	12.56	76.35	12.91	78.89	14.34	80.71	14.33
	0	51.06	9.43	60.93	11.73	69.22	12.34	72.71	13.28	76.35	13.65	78.89	14.48	80.71	14.55
	2	51.06	9.57	60.93	11.77	69.22	12.74	72.71	13.99	76.35	13.80	78.89	14.59	80.71	14.76
	4	51.06	9.79	60.93	12.00	69.22	13.17	72.71	14.10	76.35	13.98	78.89	14.81	80.71	15.05
	6	51.06	9.98	60.93	12.21	69.22	13.64	72.71	14.23	75.53	14.43	77.95	15.08	79.88	15.12
	8	51.06	10.21	60.93	12.53	69.22	14.32	72.71	14.92	74.60	14.87	77.12	15.11	78.84	15.28
	10	51.06	10.44	60.93	12.79	69.22	14.91	72.71	15.41	73.67	15.14	76.18	15.30	77.91	15.74
	12	51.06	10.64	60.93	13.04	69.22	15.18	71.68	15.64	72.85	15.42	75.14	15.55	76.87	15.84
	14	51.06	10.86	60.93	13.29	69.01	15.44	70.85	15.83	71.81	15.62	74.31	15.81	76.04	16.21
	16	51.06	11.05	60.93	13.55	68.20	15.65	69.82	16.09	70.78	16.08	73.27	16.00	75.00	16.46
	18	51.06	11.24	60.93	13.84	67.18	15.85	68.79	16.14	69.96	16.28	72.44	16.60	74.17	16.66
	20	51.06	11.47	60.93	14.72	66.16	16.61	67.97	16.93	68.92	17.07	71.40	17.39	73.13	17.51
	21	51.06	11.79	60.93	15.22	65.76	17.00	67.56	17.29	68.51	17.47	70.98	17.83	72.71	17.91
	23	51.06	12.61	60.93	16.37	64.94	17.82	66.53	18.10	67.48	18.23	69.94	18.55	71.67	18.70
	25	51.06	13.47	60.93	17.46	63.92	18.61	65.50	18.87	66.65	19.07	69.11	19.38	70.84	19.56
	27	51.06	14.41	60.93	18.74	63.11	19.37	64.67	19.73	65.62	19.82	68.07	20.21	69.81	20.40
	29	51.06	15.36	60.93	20.05	62.09	20.17	63.64	20.54	64.80	20.64	67.23	21.07	68.97	21.29
	31	51.06	16.40	60.72	21.21	61.07	20.96	62.82	21.37	63.77	21.44	66.19	21.85	67.94	22.05
	33	51.06	17.46	59.68	21.96	60.26	21.76	61.79	22.09	62.94	22.24	65.36	22.70	66.90	22.97
	35	51.06	18.66	58.64	22.72	59.24	22.50	60.97	22.98	61.91	23.06	64.32	23.60	66.07	23.80
	37	51.06	19.83	57.81	23.59	58.43	23.36	59.94	23.80	61.08	23.93	63.28	24.39	65.03	24.69
	39	51.06	21.13	56.77	23.88	57.41	24.09	59.11	24.62	60.05	24.75	62.45	25.24	64.20	25.54
41	51.06	22.26	56.15	24.06	56.80	24.34	58.49	24.80	59.43	25.00	61.82	25.34	61.70	25.80	
43	51.06	22.80	55.73	24.22	56.49	24.45	58.18	24.92	58.81	25.03	60.68	25.41	60.98	25.76	
46	51.06	23.92	55.42	24.37	55.88	24.60	57.57	25.03	57.99	25.12	59.01	25.45	59.83	26.30	
48	51.06	24.74	55.21	25.21	54.97	24.86	56.64	25.30	57.27	25.42	57.45	25.90	58.38	26.36	
50	45.95	22.79	49.69	23.18	49.47	22.90	50.98	23.24	51.54	23.35	51.70	23.88	52.54	24.33	
52	36.76	18.64	39.75	18.96	39.58	18.73	40.78	18.99	41.23	19.10	41.36	19.49	42.03	19.85	
55	25.73	13.32	27.83	13.60	27.70	13.38	28.55	13.65	28.86	13.72	28.95	13.98	29.42	14.22	
120%	-15	47.25	7.69	56.09	9.30	64.55	10.90	69.20	11.87	73.27	12.50	73.29	12.64	75.14	12.99
	-10	47.25	8.31	56.09	10.04	64.55	11.77	69.20	12.86	73.27	13.50	73.29	13.64	75.14	14.04
	-5	47.25	8.96	56.09	10.82	64.55	12.68	69.20	13.87	73.27	14.64	73.29	14.71	75.14	15.21
	-2	47.25	9.05	56.09	10.96	64.55	12.80	69.20	13.96	73.27	14.79	73.29	14.83	75.14	15.24
	0	47.25	9.14	56.09	11.01	64.55	12.94	69.20	14.00	73.27	14.94	73.29	14.94	75.14	15.29
	2	47.25	9.15	56.09	11.13	64.55	13.03	69.20	14.08	73.27	14.98	73.29	15.03	75.14	15.26
	4	47.25	9.27	56.09	11.29	64.55	13.25	69.20	14.21	73.27	15.20	73.29	15.12	75.14	15.35
	6	47.25	9.36	56.09	11.38	64.55	13.41	69.20	14.37	73.27	15.30	73.29	15.21	75.14	15.35
	8	47.25	9.46	56.09	11.51	64.55	13.55	69.20	14.58	73.27	15.51	73.29	15.27	75.14	15.48
	10	47.25	9.55	56.09	11.64	64.55	13.70	69.20	14.85	73.27	15.48	73.29	15.30	75.14	15.49
	12	47.25	9.72	56.09	11.89	64.55	13.94	69.20	15.11	72.23	15.59	72.27	15.24	74.12	15.59
	14	47.25	9.90	56.09	12.10	64.55	14.23	69.20	15.42	71.19	15.69	71.46	15.49	73.30	15.78
	16	47.25	10.09	56.09	12.36	64.55	14.54	68.79	15.66	70.36	15.89	70.44	15.72	72.28	16.03
	18	47.25	10.29	56.09	12.60	64.55	14.99	67.76	16.07	69.31	16.27	69.42	16.08	71.46	16.24
	20	47.25	10.50	56.09	13.11	64.55	16.18	66.94	16.83	68.48	17.07	68.61	16.82	70.44	17.02
	21	47.25	10.62	56.09	13.54	64.55	16.75	66.32	17.24	67.86	17.50	68.20	17.28	70.03	17.51
	23	47.25	11.33	56.09	14.50	64.55	17.94	65.50	17.96	67.02	18.32	67.18	18.02	69.01	18.24
	25	47.25	12.07	56.09	15.56	63.52	18.72	64.47	18.75	65.98	19.06	66.37	18.87	68.19	19.03
	27	47.25	12.92	56.09	16.63	62.70	19.41	63.64	19.62	65.15	19.89	65.35	19.60	67.17	19.88
	29	47.25	13.81	56.09	17.71	61.67	20.21	62.61	20.39	64.11	20.70	64.33	20.41	66.36	20.67
	31	47.25	14.70	56.09	18.90	60.64	21.00	61.79	21.20	63.28	21.48	63.52	21.24	65.34	21.49
	33	47.25	15.67	56.09	20.16	59.82	21.85	60.76	21.99	62.24	22.32	62.50	22.04	64.32	22.34
	35	47.25	16.62	56.09	21.47	58.79	22.65	59.73	22.76	61.40	23.17	61.68	22.88	63.50	23.23
	37	47.25	17.75	56.09	22.88	57.97	23.48	58.91	23.60	60.36	23.98	60.67	23.66	62.48	24.07
	39	47.25	18.83	55.89	24.16	56.94	24.22	57.88	24.45	59.32	24.81	59.85	24.57	61.66	24.88
41	47.25	19.38	55.47	24.35	56.53	24.37	57.46	24.61	58.91	25.00	59.44	24.57	59.93	24.97	
43	47.25	19.63	55.16	24.55	56.02	24.57	56.95	24.63	58.39	25.12	58.33	24.64	59.01	25.52	
46	47.25	19.94	54.85	24.83	55.50	24.74	56.43	24.87	57.87	25.28	57.21	24.78	58.39	26.11	
48	47.25	20.08	54.33	25.03	54.78	25.04	55.51	25.01	57.24	25.49	56.29	25.04	57.58	26.40	
50	42.53	18.40	48.89	23.07	49.31	22.99	49.96	23.06	51.52	23.41	50.66	22.95	51.82	24.27	
52	34.02	15.07	39.12	18.87	39.44	18.79	39.97	18.90	41.21	19.19	40.53	18.77	41.46	19.83	
55	23.81	10.81	27.38	13.50	27.61	13.46	27.98	13.53	28.85	13.72	28.37	13.45	29.02	14.22	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.7: 20HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	43.30	6.73	51.57	8.36	59.20	9.84	63.93	10.68	66.84	11.26	71.86	11.72	74.93	12.31
	-10	43.30	7.24	51.57	9.04	59.20	10.63	63.93	11.51	66.84	12.21	71.86	12.61	74.93	13.26
	-5	43.30	7.84	51.57	9.73	59.20	11.49	63.93	12.48	66.84	13.18	71.86	13.63	74.93	14.33
	-2	43.30	8.00	51.57	9.85	59.20	11.59	63.93	12.55	66.84	13.24	71.86	13.77	74.93	14.43
	0	43.30	8.07	51.57	9.93	59.20	11.65	63.93	12.66	66.84	13.40	71.86	13.92	74.93	14.60
	2	43.30	8.23	51.57	10.01	59.20	11.85	63.93	12.79	66.84	13.52	71.86	14.10	74.93	14.78
	4	43.30	8.39	51.57	10.12	59.20	11.95	63.93	12.94	66.84	13.73	71.86	14.33	74.93	14.92
	6	43.30	8.48	51.57	10.27	59.20	12.09	63.93	13.18	66.84	13.88	71.86	14.45	74.93	15.16
	8	43.30	8.58	51.57	10.42	59.20	12.22	63.93	13.32	66.84	14.08	71.86	14.55	74.93	15.34
	10	43.30	8.68	51.57	10.57	59.20	12.40	63.93	13.54	66.84	14.27	71.86	14.64	74.93	15.41
	12	43.30	8.83	51.57	10.78	59.20	12.63	63.93	13.81	66.84	14.57	71.05	14.88	73.89	15.64
	14	43.30	9.02	51.57	10.93	59.20	12.88	63.93	14.05	66.84	14.84	70.03	14.97	73.06	15.75
	16	43.30	9.16	51.57	11.18	59.20	13.14	63.93	14.29	66.84	15.15	69.22	15.15	72.02	15.92
	18	43.30	9.32	51.57	11.36	59.20	13.38	63.93	14.73	66.84	15.84	68.20	15.99	71.19	16.42
	20	43.30	9.53	51.57	11.65	59.20	14.20	63.93	15.81	65.82	16.65	67.38	16.74	70.15	17.25
	21	43.30	9.63	51.57	11.95	59.20	14.73	63.93	16.43	65.41	17.04	66.77	17.13	69.74	17.63
	23	43.30	10.08	51.57	12.84	59.20	15.76	63.93	17.55	64.39	17.76	65.96	17.92	68.70	18.46
	25	43.30	10.76	51.57	13.72	59.20	16.84	63.93	18.82	63.58	18.54	64.94	18.71	67.87	19.26
	27	43.30	11.45	51.57	14.66	59.20	17.99	62.89	19.67	62.56	19.31	64.13	19.48	66.83	20.02
	29	43.30	12.24	51.57	15.64	59.20	19.28	62.06	20.43	61.74	20.14	63.11	20.30	66.00	20.87
	31	43.30	13.01	51.57	16.65	59.20	20.53	61.02	21.18	60.73	20.96	62.30	21.08	64.96	21.71
	33	43.30	13.84	51.57	17.74	58.79	21.70	60.19	21.97	59.91	21.66	61.28	21.93	64.13	22.49
	35	43.30	14.70	51.57	18.97	57.76	22.47	59.15	22.85	58.89	22.55	60.26	22.67	63.10	23.36
	37	43.30	15.67	51.57	20.18	56.94	23.28	58.32	23.58	57.87	23.27	59.44	23.48	62.06	24.23
	39	43.30	16.69	51.57	21.46	55.91	24.10	57.29	24.43	57.06	24.12	58.43	24.29	61.23	24.99
	41	43.30	16.82	51.57	21.63	55.50	24.19	56.87	24.60	56.65	24.29	57.71	24.46	59.36	25.21
	43	43.30	17.00	51.57	21.90	54.99	24.44	56.35	24.80	56.14	24.45	57.21	24.55	58.43	25.67
	46	43.30	17.54	51.57	22.09	54.48	24.63	55.83	25.12	55.73	24.66	56.59	25.24	57.91	26.29
48	43.30	18.16	51.57	23.83	53.65	24.79	54.90	25.19	55.02	24.92	55.68	25.28	57.18	26.60	
50	38.97	16.67	46.41	21.93	48.29	22.75	49.41	23.23	49.52	22.87	50.11	23.22	51.46	24.41	
52	31.17	13.67	37.13	18.00	38.63	18.59	39.53	18.95	39.61	18.70	40.09	19.05	41.17	20.00	
55	21.82	9.77	25.99	12.85	27.04	13.33	27.67	13.57	27.73	13.40	28.06	13.61	28.82	14.29	
100%	-15	38.44	5.98	45.85	7.21	52.82	8.47	56.00	9.13	60.07	9.88	68.27	11.36	72.07	11.87
	-10	38.44	6.46	45.85	7.78	52.82	9.14	56.00	9.86	60.07	10.68	68.27	12.25	72.07	12.82
	-5	38.44	6.98	45.85	8.41	52.82	9.91	56.00	10.64	60.07	11.50	68.27	13.25	72.07	13.83
	-2	38.44	7.05	45.85	8.51	52.82	10.02	56.00	10.82	60.07	11.66	68.27	13.39	72.07	13.90
	0	38.44	7.12	45.85	8.59	52.82	10.12	56.00	10.96	60.07	11.77	68.27	13.64	72.07	14.07
	2	38.44	7.25	45.85	8.72	52.82	10.21	56.00	11.10	60.07	11.88	68.27	13.82	72.07	14.26
	4	38.44	7.30	45.85	8.79	52.82	10.40	56.00	11.27	60.07	12.03	68.27	14.00	72.07	14.46
	6	38.44	7.44	45.85	8.98	52.82	10.53	56.00	11.47	60.07	12.25	68.27	14.18	72.07	14.70
	8	38.44	7.56	45.85	9.14	52.82	10.68	56.00	11.61	60.07	12.45	68.27	14.39	72.07	14.92
	10	38.44	7.65	45.85	9.28	52.82	10.90	56.00	11.80	60.07	12.67	68.27	14.61	72.07	15.11
	12	38.44	7.79	45.85	9.49	52.82	11.07	56.00	12.02	60.07	12.88	68.27	14.91	71.05	15.24
	14	38.44	7.91	45.85	9.64	52.82	11.31	56.00	12.25	60.07	13.16	68.27	15.21	70.23	15.41
	16	38.44	8.07	45.85	9.85	52.82	11.52	56.00	12.49	60.07	13.39	67.86	15.39	69.22	15.62
	18	38.44	8.23	45.85	10.02	52.82	11.75	56.00	12.71	60.07	13.64	67.04	15.91	68.40	15.99
	20	38.44	8.39	45.85	10.21	52.82	12.08	56.00	13.37	60.07	14.65	66.02	16.65	67.38	16.80
	21	38.44	8.46	45.85	10.33	52.82	12.51	56.00	13.84	60.07	15.18	65.62	16.99	66.98	17.17
	23	38.44	8.69	45.85	10.98	52.82	13.46	56.00	14.83	60.07	16.28	64.80	17.79	65.96	17.90
	25	38.44	9.26	45.85	11.76	52.82	14.41	56.00	15.92	60.07	17.40	63.78	18.60	65.15	18.68
	27	38.44	9.89	45.85	12.55	52.82	15.34	56.00	17.02	60.07	18.60	62.76	19.33	64.13	19.52
	29	38.44	10.52	45.85	13.34	52.82	16.36	56.00	18.19	59.87	19.73	61.95	20.17	63.31	20.28
	31	38.44	11.19	45.85	14.24	52.82	17.46	56.00	19.39	59.07	20.50	60.93	20.93	62.30	21.09
	33	38.44	11.86	45.85	15.17	52.82	18.67	56.00	20.67	58.06	21.27	60.11	21.69	61.48	21.87
	35	38.44	12.60	45.85	16.17	52.82	19.87	56.00	22.06	57.05	22.09	59.10	22.56	60.46	22.72
	37	38.44	13.46	45.85	17.19	52.82	21.20	55.00	22.86	56.24	22.87	58.28	23.32	59.44	23.48
	39	38.44	14.24	45.85	18.32	52.82	22.58	54.20	23.64	55.24	23.64	57.26	24.13	58.63	24.30
	41	38.44	14.96	45.85	18.99	52.82	23.41	53.40	23.80	54.83	23.98	56.24	24.69	57.82	24.82
	43	38.44	15.56	45.85	19.62	52.82	23.79	52.50	24.03	54.43	24.25	56.65	24.81	56.80	25.17
	46	38.44	16.50	45.85	20.52	52.82	24.25	51.40	24.38	54.13	24.64	56.14	25.27	55.58	25.41
48	38.44	17.21	45.85	21.18	52.82	24.29	49.30	24.69	54.03	25.13	52.68	25.50	54.36	25.74	
50	34.59	15.82	41.26	19.53	47.54	22.30	44.37	22.67	48.62	23.10	47.41	23.42	48.92	23.62	
52	27.68	12.93	33.01	15.98	38.03	18.28	35.50	18.56	38.90	18.94	37.93	19.18	39.14	19.30	
55	19.37	9.27	23.11	11.44	26.62	13.07	24.85	13.27	27.23	13.54	26.55	13.74	27.40	13.85	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.7:20HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	34.98	5.34	42.30	6.48	49.03	7.66	52.30	8.33	55.68	8.88	62.00	10.12	69.39	11.69
	-10	34.98	5.79	42.30	7.01	49.03	8.27	52.30	9.02	55.68	9.56	62.00	10.94	69.39	12.64
	-5	34.98	6.24	42.30	7.59	49.03	8.92	52.30	9.72	55.68	10.35	62.00	11.81	69.39	13.65
	-2	34.98	6.29	42.30	7.64	49.03	9.05	52.30	9.84	55.68	10.49	62.00	11.90	69.39	13.78
	0	34.98	6.39	42.30	7.76	49.03	9.18	52.30	9.99	55.68	10.62	62.00	12.06	69.39	13.83
	2	34.98	6.48	42.30	7.86	49.03	9.25	52.30	10.10	55.68	10.79	62.00	12.30	69.39	14.05
	4	34.98	6.57	42.30	7.98	49.03	9.40	52.30	10.28	55.68	10.92	62.00	12.50	69.39	14.27
	6	34.98	6.68	42.30	8.11	49.03	9.57	52.30	10.45	55.68	11.08	62.00	12.68	69.39	14.50
	8	34.98	6.79	42.30	8.29	49.03	9.77	52.30	10.59	55.68	11.30	62.00	12.91	69.39	14.66
	10	34.98	6.94	42.30	8.44	49.03	9.98	52.30	10.77	55.68	11.56	62.00	13.11	69.39	14.91
	12	34.98	7.06	42.30	8.61	49.03	10.14	52.30	10.92	55.68	11.79	62.00	13.34	69.39	15.18
	14	34.98	7.18	42.30	8.77	49.03	10.33	52.30	11.13	55.68	11.98	62.00	13.60	69.39	15.46
	16	34.98	7.29	42.30	8.93	49.03	10.55	52.30	11.36	55.68	12.22	62.00	13.87	69.18	15.72
	18	34.98	7.43	42.30	9.12	49.03	10.72	52.30	11.57	55.68	12.46	62.00	14.15	68.35	16.18
	20	34.98	7.58	42.30	9.33	49.03	10.92	52.30	11.82	55.68	12.91	62.00	15.14	67.31	16.98
	21	34.98	7.61	42.30	9.37	49.03	11.14	52.30	12.19	55.68	13.40	62.00	15.69	66.90	17.39
	23	34.98	7.78	42.30	9.73	49.03	11.89	52.30	13.09	55.68	14.38	62.00	16.86	65.86	18.19
	25	34.98	8.22	42.30	10.43	49.03	12.74	52.30	14.00	55.68	15.37	62.00	18.06	65.03	18.95
	27	34.98	8.70	42.30	11.12	49.03	13.57	52.30	14.95	55.68	16.43	62.00	19.35	63.99	19.76
	29	34.98	9.31	42.30	11.83	49.03	14.52	52.30	15.97	55.68	17.53	61.38	20.24	63.16	20.49
	31	34.98	9.87	42.30	12.60	49.03	15.45	52.30	17.05	55.68	18.74	60.35	20.99	62.12	21.38
	33	34.98	10.46	42.30	13.39	49.03	16.53	52.30	18.20	55.68	19.98	59.52	21.81	61.29	22.18
	35	34.98	11.12	42.30	14.28	49.03	17.57	52.30	19.38	55.68	21.25	58.49	22.60	60.25	22.98
	37	34.98	11.81	42.30	15.13	49.03	18.74	52.30	20.65	55.68	22.63	57.46	23.37	59.42	23.80
	39	34.98	12.53	42.30	16.10	49.03	19.85	52.30	21.95	55.68	24.12	56.64	24.26	58.38	24.62
41	34.98	12.99	42.30	16.83	49.03	20.66	52.30	22.51	55.68	24.25	56.23	24.80	57.96	25.20	
43	34.98	13.56	42.30	17.59	49.03	21.30	52.30	23.07	55.68	24.85	55.92	25.19	57.44	25.60	
46	34.98	14.43	42.30	18.49	49.03	22.20	52.30	23.84	55.68	25.52	55.61	25.43	56.61	25.89	
48	34.98	15.28	42.30	19.34	49.03	23.10	52.30	24.22	55.68	25.67	55.20	25.82	55.05	26.29	
50	31.48	14.01	38.07	17.80	44.13	21.24	47.07	22.28	50.11	23.69	49.68	23.66	49.55	24.20	
52	25.19	11.48	30.45	14.53	35.30	17.38	37.66	18.25	40.09	19.40	39.74	19.39	39.64	19.77	
55	17.63	8.23	21.32	10.39	24.71	12.42	26.36	13.02	28.06	13.84	27.82	13.88	27.75	14.15	
80%	-15	31.46	4.77	36.79	5.53	43.05	6.60	46.67	7.10	49.32	7.57	55.73	8.82	61.88	10.11
	-10	31.46	5.16	36.79	5.97	43.05	7.14	46.67	7.68	49.32	8.18	55.73	9.52	61.88	10.87
	-5	31.46	5.55	36.79	6.46	43.05	7.70	46.67	8.28	49.32	8.82	55.73	10.27	61.88	11.78
	-2	31.46	5.64	36.79	6.52	43.05	7.75	46.67	8.41	49.32	8.91	55.73	10.41	61.88	11.88
	0	31.46	5.74	36.79	6.60	43.05	7.88	46.67	8.52	49.32	9.07	55.73	10.52	61.88	12.05
	2	31.46	5.85	36.79	6.71	43.05	7.96	46.67	8.67	49.32	9.25	55.73	10.73	61.88	12.27
	4	31.46	5.96	36.79	6.82	43.05	8.12	46.67	8.87	49.32	9.41	55.73	10.96	61.88	12.47
	6	31.46	6.06	36.79	6.99	43.05	8.25	46.67	9.07	49.32	9.57	55.73	11.12	61.88	12.67
	8	31.46	6.16	36.79	7.16	43.05	8.45	46.67	9.23	49.32	9.79	55.73	11.28	61.88	12.91
	10	31.46	6.22	36.79	7.30	43.05	8.67	46.67	9.44	49.32	10.04	55.73	11.56	61.88	13.03
	12	31.46	6.32	36.79	7.42	43.05	8.83	46.67	9.61	49.32	10.21	55.73	11.74	61.88	13.28
	14	31.46	6.45	36.79	7.56	43.05	8.96	46.67	9.78	49.32	10.43	55.73	11.94	61.88	13.50
	16	31.46	6.54	36.79	7.71	43.05	9.14	46.67	9.95	49.32	10.58	55.73	12.22	61.88	13.74
	18	31.46	6.66	36.79	7.85	43.05	9.33	46.67	10.20	49.32	10.82	55.73	12.44	61.88	14.01
	20	31.46	6.78	36.79	7.98	43.05	9.52	46.67	10.38	49.32	11.04	55.73	12.93	61.88	14.99
	21	31.46	6.85	36.79	8.04	43.05	9.60	46.67	10.50	49.32	11.29	55.73	13.36	61.88	15.60
	23	31.46	6.96	36.79	8.24	43.05	10.05	46.67	11.17	49.32	12.06	55.73	14.32	61.88	16.69
	25	31.46	7.17	36.79	8.73	43.05	10.74	46.67	11.94	49.32	12.89	55.73	15.33	61.88	17.90
	27	31.46	7.62	36.79	9.31	43.05	11.48	46.67	12.73	49.32	13.76	55.73	16.38	61.88	19.17
	29	31.46	8.12	36.79	9.93	43.05	12.21	46.67	13.52	49.32	14.68	55.73	17.47	61.88	20.45
	31	31.46	8.63	36.79	10.56	43.05	13.01	46.67	14.41	49.32	15.64	55.73	18.63	60.84	21.24
	33	31.46	9.16	36.79	11.22	43.05	13.82	46.67	15.42	49.32	16.68	55.73	19.91	60.00	22.04
	35	31.46	9.73	36.79	11.95	43.05	14.74	46.67	16.40	49.32	17.77	55.73	21.22	58.96	22.86
	37	31.46	10.29	36.79	12.68	43.05	15.64	46.67	17.44	49.32	18.93	55.73	22.56	58.13	23.59
	39	31.46	10.89	36.79	13.48	43.05	16.66	46.67	18.58	49.32	20.09	55.73	24.13	57.09	24.46
41	31.46	11.16	36.79	13.59	43.05	16.92	46.67	19.00	49.32	20.53	55.73	24.69	56.78	24.87	
43	31.46	11.48	36.79	13.74	43.05	17.16	46.67	19.37	49.32	20.82	55.73	24.93	56.36	25.11	
46	31.46	11.84	36.79	13.87	43.05	17.50	46.67	19.81	49.32	21.13	55.73	25.20	55.73	25.54	
48	31.46	12.17	36.79	14.01	43.05	17.76	46.67	20.03	49.32	21.34	55.73	25.51	55.21	25.90	
50	28.31	11.25	33.11	12.86	38.74	16.30	42.00	18.44	44.39	19.58	50.16	23.46	49.69	23.88	
52	22.65	9.16	26.49	10.54	30.99	13.37	33.60	15.05	35.51	16.02	40.13	19.15	39.75	19.48	
55	15.86	6.57	18.54	7.55	21.70	9.57	23.52	10.78	24.86	11.50	28.09	13.72	27.83	13.97	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.7: 20HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	26.90	4.17	32.79	4.99	37.36	5.54	40.37	6.00	43.09	6.41	47.73	7.24	54.02	8.50
	-10	26.90	4.51	32.79	5.38	37.36	5.98	40.37	6.47	43.09	6.91	47.73	7.85	54.02	9.16
	-5	26.90	4.85	32.79	5.81	37.36	6.45	40.37	7.00	43.09	7.46	47.73	8.48	54.02	9.92
	-2	26.90	4.89	32.79	5.82	37.36	6.50	40.37	7.15	43.09	7.60	47.73	8.59	54.02	10.06
	0	26.90	4.93	32.79	5.90	37.36	6.64	40.37	7.27	43.09	7.74	47.73	8.78	54.02	10.20
	2	26.90	4.94	32.79	5.95	37.36	6.74	40.37	7.40	43.09	7.88	47.73	8.96	54.02	10.36
	4	26.90	5.01	32.79	6.10	37.36	6.90	40.37	7.52	43.09	8.06	47.73	9.11	54.02	10.56
	6	26.90	5.11	32.79	6.21	37.36	7.06	40.37	7.78	43.09	8.26	47.73	9.27	54.02	10.81
	8	26.90	5.18	32.79	6.38	37.36	7.21	40.37	7.88	43.09	8.43	47.73	9.54	54.02	10.97
	10	26.90	5.30	32.79	6.48	37.36	7.40	40.37	8.05	43.09	8.64	47.73	9.70	54.02	11.11
	12	26.90	5.44	32.79	6.57	37.36	7.57	40.37	8.22	43.09	8.79	47.73	9.90	54.02	11.35
	14	26.90	5.52	32.79	6.69	37.36	7.69	40.37	8.33	43.09	8.94	47.73	10.06	54.02	11.55
	16	26.90	5.62	32.79	6.81	37.36	7.83	40.37	8.53	43.09	9.12	47.73	10.25	54.02	11.75
	18	26.90	5.69	32.79	6.94	37.36	7.98	40.37	8.66	43.09	9.30	47.73	10.45	54.02	12.01
	20	26.90	5.80	32.79	7.07	37.36	8.15	40.37	8.81	43.09	9.48	47.73	10.66	54.02	12.37
	21	26.90	5.86	32.79	7.12	37.36	8.20	40.37	8.92	43.09	9.57	47.73	10.81	54.02	12.80
	23	26.90	5.95	32.79	7.23	37.36	8.36	40.37	9.21	43.09	10.03	47.73	11.62	54.02	13.68
	25	26.90	6.05	32.79	7.55	37.36	8.93	40.37	9.87	43.09	10.72	47.73	12.41	54.02	14.66
	27	26.90	6.42	32.79	8.02	37.36	9.52	40.37	10.47	43.09	11.44	47.73	13.26	54.02	15.64
	29	26.90	6.80	32.79	8.51	37.36	10.14	40.37	11.18	43.09	12.18	47.73	14.10	54.02	16.73
	31	26.90	7.18	32.79	9.02	37.36	10.78	40.37	11.90	43.09	12.96	47.73	15.09	54.02	17.78
	33	26.90	7.63	32.79	9.60	37.36	11.45	40.37	12.66	43.09	13.77	47.73	16.02	54.02	18.99
	35	26.90	8.07	32.79	10.18	37.36	12.15	40.37	13.43	43.09	14.71	47.73	17.13	54.02	20.22
	37	26.90	8.55	32.79	10.79	37.36	12.97	40.37	14.26	43.09	15.61	47.73	18.25	54.02	21.60
	39	26.90	9.06	32.79	11.44	37.36	13.74	40.37	15.17	43.09	16.59	47.73	19.33	54.02	22.94
41	26.90	9.46	32.79	11.88	37.36	14.10	40.37	15.68	43.09	17.11	47.73	20.19	54.02	24.05	
43	26.90	10.20	32.79	12.66	37.36	14.71	40.37	16.52	43.09	17.63	47.73	20.87	54.02	24.72	
46	26.90	10.43	32.79	12.92	37.36	15.02	40.37	16.76	43.09	18.49	47.73	22.01	54.02	25.65	
48	26.90	10.65	32.79	12.99	37.36	15.23	40.37	17.05	43.09	19.00	47.73	23.00	54.02	26.33	
50	24.21	9.80	29.51	11.98	33.63	14.01	36.33	15.71	38.78	17.49	42.96	21.18	48.61	24.18	
52	19.37	8.00	23.61	9.78	26.90	11.44	29.07	12.89	31.02	14.31	34.37	17.31	38.89	19.82	
55	13.56	5.72	16.53	7.00	18.83	8.19	20.35	9.21	21.72	10.21	24.06	12.39	27.22	14.20	
60%	-15	23.54	3.64	28.07	4.21	32.68	4.90	34.60	5.18	37.19	5.63	41.00	6.22	45.97	7.19
	-10	23.54	3.92	28.07	4.54	32.68	5.29	34.60	5.60	37.19	6.09	41.00	6.71	45.97	7.76
	-5	23.54	4.25	28.07	4.91	32.68	5.71	34.60	6.03	37.19	6.56	41.00	7.24	45.97	8.42
	-2	23.54	4.26	28.07	4.99	32.68	5.83	34.60	6.12	37.19	6.65	41.00	7.33	45.97	8.47
	0	23.54	4.32	28.07	5.05	32.68	5.91	34.60	6.21	37.19	6.74	41.00	7.45	45.97	8.58
	2	23.54	4.41	28.07	5.16	32.68	6.02	34.60	6.33	37.19	6.85	41.00	7.62	45.97	8.67
	4	23.54	4.52	28.07	5.25	32.68	6.13	34.60	6.40	37.19	6.96	41.00	7.72	45.97	8.78
	6	23.54	4.57	28.07	5.37	32.68	6.25	34.60	6.55	37.19	7.07	41.00	7.89	45.97	9.01
	8	23.54	4.67	28.07	5.44	32.68	6.38	34.60	6.64	37.19	7.21	41.00	8.02	45.97	9.14
	10	23.54	4.75	28.07	5.56	32.68	6.46	34.60	6.86	37.19	7.35	41.00	8.17	45.97	9.29
	12	23.54	4.84	28.07	5.67	32.68	6.59	34.60	6.96	37.19	7.49	41.00	8.35	45.97	9.44
	14	23.54	4.91	28.07	5.75	32.68	6.66	34.60	7.09	37.19	7.65	41.00	8.51	45.97	9.63
	16	23.54	4.97	28.07	5.84	32.68	6.81	34.60	7.20	37.19	7.75	41.00	8.64	45.97	9.80
	18	23.54	5.07	28.07	5.95	32.68	6.92	34.60	7.34	37.19	7.90	41.00	8.78	45.97	9.98
	20	23.54	5.12	28.07	6.07	32.68	7.05	34.60	7.50	37.19	8.05	41.00	8.99	45.97	10.17
	21	23.54	5.17	28.07	6.09	32.68	7.09	34.60	7.54	37.19	8.11	41.00	9.05	45.97	10.30
	23	23.54	5.25	28.07	6.20	32.68	7.23	34.60	7.70	37.19	8.28	41.00	9.42	45.97	10.95
	25	23.54	5.33	28.07	6.29	32.68	7.49	34.60	8.04	37.19	8.82	41.00	10.06	45.97	11.66
	27	23.54	5.54	28.07	6.70	32.68	8.01	34.60	8.61	37.19	9.37	41.00	10.71	45.97	12.46
	29	23.54	5.85	28.07	7.10	32.68	8.50	34.60	9.14	37.19	10.01	41.00	11.42	45.97	13.34
	31	23.54	6.22	28.07	7.51	32.68	9.05	34.60	9.75	37.19	10.64	41.00	12.14	45.97	14.18
	33	23.54	6.56	28.07	7.98	32.68	9.58	34.60	10.35	37.19	11.29	41.00	12.90	45.97	15.13
	35	23.54	6.94	28.07	8.49	32.68	10.19	34.60	10.97	37.19	12.00	41.00	13.76	45.97	16.05
	37	23.54	7.36	28.07	8.96	32.68	10.76	34.60	11.63	37.19	12.74	41.00	14.62	45.97	17.07
	39	23.54	7.74	28.07	9.49	32.68	11.43	34.60	12.34	37.19	13.54	41.00	15.51	45.97	18.18
41	23.54	8.01	28.07	9.90	32.68	11.83	34.60	12.85	37.19	14.05	41.00	16.29	45.97	19.05	
43	23.54	8.26	28.07	10.29	32.68	12.24	34.60	13.23	37.19	14.55	41.00	16.93	45.97	19.86	
46	23.54	8.65	28.07	10.83	32.68	12.75	34.60	13.72	37.19	15.26	41.00	17.76	45.97	20.90	
48	23.54	8.97	28.07	11.28	32.68	13.22	34.60	14.06	37.19	15.82	41.00	18.35	45.97	22.00	
50	21.19	8.26	25.27	10.38	29.41	12.13	31.14	12.90	33.47	14.56	36.90	16.91	41.38	20.16	
52	16.95	6.76	20.21	8.52	23.53	9.94	24.91	10.57	26.78	11.93	29.52	13.82	33.10	16.56	
55	11.87	4.83	14.15	6.08	16.47	7.11	17.44	7.55	18.74	8.52	20.66	9.87	23.17	11.81	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.7:20HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	19.31	3.10	23.05	3.56	26.93	4.14	28.50	4.28	31.04	4.63	34.33	5.19	38.64	5.65
	-10	19.31	3.34	23.05	3.85	26.93	4.47	28.50	4.64	31.04	5.01	34.33	5.60	38.64	6.10
	-5	19.31	3.62	23.05	4.17	26.93	4.83	28.50	5.00	31.04	5.40	34.33	6.06	38.64	6.59
	-2	19.31	3.64	23.05	4.25	26.93	4.87	28.50	5.06	31.04	5.49	34.33	6.14	38.64	6.70
	0	19.31	3.70	23.05	4.31	26.93	4.96	28.50	5.15	31.04	5.56	34.33	6.24	38.64	6.80
	2	19.31	3.75	23.05	4.36	26.93	5.06	28.50	5.23	31.04	5.66	34.33	6.26	38.64	6.95
	4	19.31	3.79	23.05	4.45	26.93	5.11	28.50	5.27	31.04	5.78	34.33	6.43	38.64	7.12
	6	19.31	3.85	23.05	4.52	26.93	5.18	28.50	5.41	31.04	5.87	34.33	6.53	38.64	7.34
	8	19.31	3.94	23.05	4.60	26.93	5.27	28.50	5.52	31.04	5.95	34.33	6.63	38.64	7.55
	10	19.31	4.02	23.05	4.65	26.93	5.36	28.50	5.61	31.04	6.14	34.33	6.79	38.64	7.68
	12	19.31	4.06	23.05	4.72	26.93	5.45	28.50	5.73	31.04	6.24	34.33	6.91	38.64	7.80
	14	19.31	4.12	23.05	4.78	26.93	5.52	28.50	5.84	31.04	6.34	34.33	7.05	38.64	7.93
	16	19.31	4.18	23.05	4.83	26.93	5.60	28.50	5.94	31.04	6.43	34.33	7.18	38.64	8.05
	18	19.31	4.23	23.05	4.93	26.93	5.68	28.50	6.02	31.04	6.56	34.33	7.27	38.64	8.23
	20	19.31	4.31	23.05	4.97	26.93	5.78	28.50	6.11	31.04	6.68	34.33	7.41	38.64	8.37
	21	19.31	4.32	23.05	5.04	26.93	5.83	28.50	6.18	31.04	6.75	34.33	7.51	38.64	8.46
	23	19.31	4.39	23.05	5.09	26.93	5.92	28.50	6.28	31.04	6.85	34.33	7.63	38.64	8.63
	25	19.31	4.44	23.05	5.20	26.93	6.06	28.50	6.42	31.04	7.08	34.33	8.03	38.64	9.22
	27	19.31	4.54	23.05	5.41	26.93	6.38	28.50	6.82	31.04	7.51	34.33	8.51	38.64	9.86
	29	19.31	4.78	23.05	5.70	26.93	6.78	28.50	7.24	31.04	7.98	34.33	9.07	38.64	10.51
	31	19.31	5.05	23.05	6.03	26.93	7.18	28.50	7.69	31.04	8.51	34.33	9.67	38.64	11.15
33	19.31	5.35	23.05	6.37	26.93	7.62	28.50	8.13	31.04	9.00	34.33	10.24	38.64	11.87	
35	19.31	5.64	23.05	6.74	26.93	8.03	28.50	8.63	31.04	9.52	34.33	10.87	38.64	12.60	
37	19.31	5.96	23.05	7.14	26.93	8.52	28.50	9.13	31.04	10.11	34.33	11.56	38.64	13.36	
39	19.31	6.29	23.05	7.54	26.93	9.01	28.50	9.69	31.04	10.73	34.33	12.27	38.64	14.24	
41	19.31	6.55	23.05	7.86	26.93	9.34	28.50	10.14	31.04	11.20	34.33	12.87	38.64	14.87	
43	19.31	6.98	23.05	8.40	26.93	9.68	28.50	10.57	31.04	11.48	34.33	13.54	38.64	15.54	
46	19.31	7.15	23.05	8.61	26.93	10.29	28.50	11.40	31.04	11.97	34.33	14.86	38.64	16.85	
48	19.31	7.27	23.05	8.82	26.93	10.89	28.50	12.13	31.04	12.53	34.33	16.01	38.64	18.11	
50	17.38	6.69	20.74	8.10	24.24	10.03	25.65	11.21	27.94	11.51	30.90	14.77	34.78	16.65	
52	13.91	5.47	16.60	6.63	19.39	8.19	20.52	9.13	22.35	9.42	24.72	12.08	27.82	13.64	
55	9.73	3.91	11.62	4.75	13.57	5.87	14.36	6.55	15.65	6.74	17.30	8.64	19.48	9.75	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table2-8.8:22HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	55.92	9.30	65.53	11.14	76.04	11.97	80.47	12.66	84.29	13.04	84.69	13.90	87.74	14.14
	-10	55.92	10.01	65.53	12.04	76.04	12.89	80.47	13.68	84.29	14.07	84.69	15.01	87.74	15.28
	-5	55.92	10.83	65.53	13.01	76.04	13.93	80.47	14.75	84.29	15.15	84.69	16.20	87.74	16.43
	-2	55.92	10.81	65.53	13.24	76.04	13.93	80.47	14.86	84.29	15.21	84.69	16.43	87.74	16.60
	0	55.92	11.04	65.53	13.49	76.04	14.42	80.47	15.70	84.29	16.08	84.69	16.56	87.74	16.82
	2	55.92	11.20	65.53	13.52	76.04	14.97	80.47	16.54	84.29	16.22	84.69	16.75	87.74	17.09
	4	55.92	11.46	65.53	13.77	76.04	15.43	80.47	16.67	84.29	16.46	84.69	16.94	87.74	17.46
	6	55.92	11.71	65.53	14.04	76.04	16.01	80.47	16.79	83.31	16.94	83.63	17.23	86.78	17.54
	8	55.92	11.99	65.53	14.37	76.04	16.87	80.47	17.62	82.23	17.54	82.67	17.29	85.60	17.71
	10	55.92	12.21	65.53	14.68	76.04	17.48	80.47	18.21	81.26	17.86	81.72	17.55	84.63	18.25
	12	55.92	12.44	65.53	14.94	76.04	17.77	79.28	18.48	80.40	18.14	80.66	17.78	83.56	18.38
	14	55.92	12.70	65.53	15.21	75.83	18.09	78.42	18.76	79.21	18.39	79.71	18.06	82.60	18.77
	16	55.92	12.87	65.53	15.56	74.98	18.30	77.23	19.00	78.13	18.90	78.65	18.37	81.53	19.05
	18	55.92	13.13	65.53	15.88	73.81	18.61	76.15	19.10	77.15	19.14	77.69	18.93	80.56	19.33
	20	55.92	13.46	65.53	16.89	72.75	19.49	75.17	20.04	76.07	20.05	76.63	19.90	79.49	20.34
	21	55.92	13.78	65.53	17.52	72.32	20.02	74.74	20.46	75.64	20.51	76.10	20.40	78.95	20.74
	23	55.92	14.80	65.53	18.72	71.37	20.94	73.66	21.41	74.45	21.46	75.04	21.32	77.88	21.74
	25	55.92	15.81	65.53	20.13	70.30	21.79	72.47	22.37	73.59	22.42	74.20	22.24	76.92	22.65
	27	55.92	16.87	65.53	21.52	69.35	22.77	71.60	23.33	72.40	23.37	73.03	23.15	75.85	23.67
	29	55.92	18.01	65.53	22.92	68.29	23.64	70.41	24.18	71.54	24.32	72.18	24.12	74.99	24.68
	31	55.92	19.25	65.31	24.28	67.12	24.64	69.55	25.14	70.35	25.29	71.02	25.09	73.81	25.64
	33	55.92	20.44	64.25	25.17	66.27	25.52	68.36	26.07	69.48	26.28	70.17	26.01	72.63	26.60
	35	55.92	21.82	63.08	26.13	65.10	26.40	67.49	27.11	68.29	27.20	69.00	26.96	71.78	27.51
	37	55.92	23.24	62.23	27.08	64.25	27.37	66.30	28.06	67.43	28.26	67.94	27.92	70.60	28.57
	39	55.92	24.68	61.07	27.36	63.08	28.25	65.44	29.04	66.24	29.22	66.99	28.89	69.74	29.53
	41	55.92	26.01	60.43	27.58	62.45	28.63	64.68	29.34	65.59	29.44	66.35	28.98	67.06	29.79
	43	55.92	26.69	60.00	27.76	62.13	28.71	64.36	29.48	64.94	29.45	65.08	29.06	66.31	29.92
	46	55.92	28.05	59.68	28.00	61.49	28.98	63.71	29.67	63.97	29.56	63.38	29.08	65.03	30.51
	48	55.92	28.93	59.47	28.98	60.43	29.13	62.73	29.86	63.11	29.99	61.69	29.61	63.53	30.63
	50	50.33	26.67	53.52	26.59	54.39	26.78	56.46	27.53	56.80	27.49	55.52	27.30	57.18	28.10
52	40.26	21.82	42.82	21.81	43.51	21.95	45.17	22.50	45.44	22.57	44.42	22.35	45.74	23.03	
55	28.18	15.59	29.97	15.58	30.46	15.74	31.62	16.09	31.81	16.14	31.09	15.94	32.02	16.47	
120%	-15	51.60	8.96	60.96	10.79	70.24	12.61	75.04	13.77	79.49	14.46	80.29	14.79	81.98	15.14
	-10	51.60	9.67	60.96	11.62	70.24	13.65	75.04	14.85	79.49	15.62	80.29	15.96	81.98	16.38
	-5	51.60	10.45	60.96	12.56	70.24	14.75	75.04	16.01	79.49	16.93	80.29	17.23	81.98	17.69
	-2	51.60	10.55	60.96	12.69	70.24	14.87	75.04	16.10	79.49	17.09	80.29	17.36	81.98	17.72
	0	51.60	10.64	60.96	12.80	70.24	15.04	75.04	16.14	79.49	17.24	80.29	17.45	81.98	17.79
	2	51.60	10.70	60.96	12.92	70.24	15.13	75.04	16.34	79.49	17.32	80.29	17.57	81.98	17.77
	4	51.60	10.79	60.96	13.09	70.24	15.36	75.04	16.46	79.49	17.55	80.29	17.63	81.98	17.83
	6	51.60	10.92	60.96	13.20	70.24	15.54	75.04	16.62	79.49	17.78	80.29	17.80	81.98	17.92
	8	51.60	11.01	60.96	13.33	70.24	15.72	75.04	16.87	79.49	17.88	80.29	17.85	81.98	18.01
	10	51.60	11.16	60.96	13.49	70.24	15.86	75.04	17.19	79.49	17.91	80.29	17.90	81.98	18.06
	12	51.60	11.33	60.96	13.76	70.24	16.19	75.04	17.53	78.31	18.01	79.13	17.77	80.93	18.19
	14	51.60	11.56	60.96	14.06	70.24	16.52	75.04	17.81	77.24	18.13	78.28	18.06	79.97	18.42
	16	51.60	11.78	60.96	14.34	70.24	16.84	74.62	18.12	76.28	18.39	77.12	18.35	78.92	18.66
	18	51.60	12.00	60.96	14.58	70.24	17.42	73.45	18.61	75.21	18.83	76.06	18.82	77.96	18.96
	20	51.60	12.25	60.96	15.18	70.24	18.74	72.61	19.49	74.24	19.73	75.11	19.73	76.91	19.83
	21	51.60	12.37	60.96	15.73	70.24	19.39	71.86	19.92	73.60	20.19	74.69	20.17	76.48	20.36
	23	51.60	13.20	60.96	16.81	70.24	20.77	71.02	20.86	72.63	21.13	73.52	21.08	75.32	21.25
	25	51.60	14.12	60.96	18.00	69.07	21.66	69.96	21.69	71.56	22.10	72.68	22.05	74.47	22.19
	27	51.60	15.08	60.96	19.26	68.22	22.58	69.00	22.68	70.71	23.03	71.51	22.97	73.31	23.14
	29	51.60	16.03	60.96	20.57	67.05	23.52	67.94	23.54	69.53	23.91	70.45	23.89	72.46	24.05
	31	51.60	17.17	60.96	21.97	65.99	24.47	66.99	24.55	68.67	24.96	69.50	24.79	71.30	25.03
	33	51.60	18.21	60.96	23.41	65.04	25.33	65.93	25.45	67.49	25.78	68.44	25.76	70.24	26.08
	35	51.60	19.41	60.96	24.99	63.98	26.22	64.76	26.41	66.63	26.74	67.49	26.70	69.29	27.06
	37	51.60	20.72	60.96	26.58	63.02	27.19	63.91	27.36	65.46	27.79	66.43	27.73	68.23	28.04
	39	51.60	21.97	60.74	28.09	61.96	28.14	62.75	28.23	64.39	28.67	65.48	28.70	67.28	28.99
	41	51.60	22.60	60.21	28.32	61.43	28.25	62.32	28.42	63.85	28.96	65.06	28.67	65.38	29.20
	43	51.60	22.89	59.89	28.41	61.01	28.45	61.79	28.50	63.31	29.01	63.90	28.81	64.32	29.73
	46	51.60	23.23	59.56	28.67	60.37	28.77	61.16	28.82	62.78	29.23	62.63	28.95	63.68	30.31
	48	51.60	23.31	59.03	29.05	59.63	28.93	60.20	28.94	62.14	29.44	61.67	29.20	62.84	30.72
	50	46.44	21.45	53.13	26.70	53.66	26.65	54.18	26.71	55.92	27.20	55.51	26.93	56.55	28.32
52	37.15	17.62	42.50	21.82	42.93	21.84	43.35	21.81	44.74	22.18	44.41	21.96	45.24	23.10	
55	26.01	12.60	29.75	15.62	30.05	15.59	30.34	15.65	31.32	15.86	31.08	15.77	31.67	16.58	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.8:22HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	47.33	7.83	56.57	9.76	64.90	11.53	68.86	12.27	73.24	13.22	80.47	13.98	82.39	14.43
	-10	47.33	8.48	56.57	10.54	64.90	12.44	68.86	13.26	73.24	14.23	80.47	15.13	82.39	15.56
	-5	47.33	9.15	56.57	11.38	64.90	13.45	68.86	14.30	73.24	15.37	80.47	16.33	82.39	16.84
	-2	47.33	9.32	56.57	11.53	64.90	13.55	68.86	14.42	73.24	15.49	80.47	16.46	82.39	16.95
	0	47.33	9.41	56.57	11.61	64.90	13.64	68.86	14.51	73.24	15.69	80.47	16.63	82.39	17.10
	2	47.33	9.61	56.57	11.71	64.90	13.88	68.86	14.69	73.24	15.81	80.47	16.89	82.39	17.37
	4	47.33	9.81	56.57	11.87	64.90	13.97	68.86	14.89	73.24	16.10	80.47	17.09	82.39	17.46
	6	47.33	9.93	56.57	11.97	64.90	14.11	68.86	15.11	73.24	16.28	80.47	17.27	82.39	17.76
	8	47.33	10.02	56.57	12.16	64.90	14.29	68.86	15.30	73.24	16.47	80.47	17.37	82.39	17.91
	10	47.33	10.10	56.57	12.33	64.90	14.47	68.86	15.56	73.24	16.69	80.47	17.54	82.39	18.11
	12	47.33	10.35	56.57	12.57	64.90	14.78	68.86	15.86	73.24	17.05	79.50	17.80	81.20	18.32
	14	47.33	10.50	56.57	12.79	64.90	15.05	68.86	16.15	73.24	17.37	78.42	17.92	80.33	18.47
	16	47.33	10.70	56.57	13.04	64.90	15.33	68.86	16.44	73.24	17.67	77.44	18.14	79.14	18.67
	18	47.33	10.92	56.57	13.28	64.90	15.68	68.86	16.88	73.24	18.51	76.36	19.05	78.28	19.27
	20	47.33	11.10	56.57	13.57	64.90	16.60	68.86	18.19	72.18	19.49	75.39	20.04	77.09	20.22
	21	47.33	11.23	56.57	13.96	64.90	17.22	68.86	18.88	71.65	19.89	74.74	20.42	76.65	20.70
	23	47.33	11.76	56.57	14.99	64.90	18.46	68.86	20.21	70.59	20.83	73.88	21.46	75.46	21.65
	25	47.33	12.52	56.57	16.06	64.90	19.66	68.86	21.63	69.64	21.67	72.69	22.34	74.60	22.57
	27	47.33	13.39	56.57	17.12	64.90	21.08	67.80	22.52	68.58	22.57	71.82	23.33	73.51	23.57
	29	47.33	14.24	56.57	18.27	64.90	22.57	66.84	23.49	67.73	23.55	70.63	24.23	72.54	24.49
	31	47.33	15.18	56.57	19.46	64.90	24.05	65.78	24.41	66.56	24.41	69.77	25.21	71.46	25.46
	33	47.33	16.14	56.57	20.79	64.47	25.33	64.83	25.25	65.72	25.41	68.58	26.10	70.48	26.41
	35	47.33	17.16	56.57	22.14	63.30	26.30	63.76	26.26	64.55	26.38	67.49	27.09	69.40	27.35
	37	47.33	18.29	56.57	23.60	62.44	27.18	62.81	27.10	63.38	27.26	66.52	28.14	68.21	28.37
	39	47.33	19.41	56.57	25.07	61.27	28.15	61.75	28.07	62.54	28.19	65.44	29.00	67.34	29.34
41	47.33	19.63	56.57	25.32	60.84	28.37	61.22	28.21	62.11	28.35	64.57	29.20	65.28	29.57	
43	47.33	19.83	56.57	25.60	60.30	28.61	60.79	28.52	61.58	28.55	64.03	29.36	64.31	30.14	
46	47.33	20.51	56.57	25.78	59.66	28.81	60.16	28.78	61.05	28.87	63.38	30.16	63.66	30.87	
48	47.33	21.16	56.57	27.89	58.81	29.00	59.20	28.97	60.31	29.03	62.30	30.15	62.90	31.07	
50	42.60	19.49	50.91	25.67	52.93	26.64	53.28	26.61	54.28	26.77	56.07	27.86	56.61	28.65	
52	34.08	15.90	40.73	21.01	42.34	21.77	42.63	21.74	43.42	21.90	44.86	22.74	45.29	23.44	
55	23.85	11.40	28.51	15.04	29.64	15.63	29.84	15.58	30.40	15.69	31.40	16.31	31.70	16.77	
100%	-15	42.14	6.99	49.70	8.33	57.77	9.92	61.50	10.67	66.43	11.64	74.61	13.27	78.22	13.70
	-10	42.14	7.54	49.70	8.99	57.77	10.70	61.50	11.53	66.43	12.57	74.61	14.28	78.22	14.79
	-5	42.14	8.14	49.70	9.72	57.77	11.57	61.50	12.45	66.43	13.60	74.61	15.48	78.22	16.00
	-2	42.14	8.27	49.70	9.85	57.77	11.66	61.50	12.68	66.43	13.78	74.61	15.65	78.22	16.07
	0	42.14	8.36	49.70	9.96	57.77	11.80	61.50	12.84	66.43	13.90	74.61	15.93	78.22	16.28
	2	42.14	8.51	49.70	10.09	57.77	11.95	61.50	13.03	66.43	14.06	74.61	16.13	78.22	16.58
	4	42.14	8.57	49.70	10.20	57.77	12.13	61.50	13.22	66.43	14.25	74.61	16.32	78.22	16.69
	6	42.14	8.68	49.70	10.41	57.77	12.27	61.50	13.45	66.43	14.45	74.61	16.53	78.22	17.00
	8	42.14	8.84	49.70	10.53	57.77	12.48	61.50	13.61	66.43	14.65	74.61	16.78	78.22	17.23
	10	42.14	8.97	49.70	10.73	57.77	12.71	61.50	13.82	66.43	14.97	74.61	17.09	78.22	17.51
	12	42.14	9.11	49.70	10.96	57.77	12.95	61.50	14.09	66.43	15.21	74.61	17.38	77.07	17.63
	14	42.14	9.27	49.70	11.19	57.77	13.21	61.50	14.35	66.43	15.48	74.61	17.70	76.23	17.82
	16	42.14	9.44	49.70	11.37	57.77	13.43	61.50	14.63	66.43	15.83	74.19	17.95	75.08	18.08
	18	42.14	9.61	49.70	11.58	57.77	13.72	61.50	14.93	66.43	16.13	73.24	18.52	74.24	18.53
	20	42.14	9.82	49.70	11.83	57.77	14.11	61.50	15.66	66.43	17.32	72.18	19.40	73.09	19.38
	21	42.14	9.92	49.70	11.91	57.77	14.64	61.50	16.24	66.43	17.86	71.76	19.89	72.67	19.89
	23	42.14	10.15	49.70	12.75	57.77	15.69	61.50	17.37	66.43	19.21	70.81	20.71	71.62	20.77
	25	42.14	10.82	49.70	13.58	57.77	16.76	61.50	18.64	66.43	20.51	69.75	21.69	70.67	21.69
	27	42.14	11.57	49.70	14.49	57.77	17.94	61.50	19.91	66.43	21.99	68.59	22.53	69.63	22.63
	29	42.14	12.30	49.70	15.46	57.77	19.10	61.50	21.29	66.22	23.31	67.74	23.50	68.68	23.55
	31	42.14	13.07	49.70	16.54	57.77	20.37	61.50	22.70	65.27	24.27	66.58	24.45	67.63	24.47
	33	42.14	13.88	49.70	17.56	57.77	21.81	61.50	24.25	64.21	25.18	65.74	25.36	66.69	25.43
	35	42.14	14.78	49.70	18.72	57.77	23.21	61.50	25.83	63.05	26.11	64.57	26.28	65.64	26.31
	37	42.14	15.76	49.70	19.92	57.77	24.69	60.35	26.73	62.20	27.03	63.73	27.16	64.49	27.22
	39	42.14	16.73	49.70	21.19	57.77	26.28	59.52	27.69	61.04	27.95	62.56	28.16	63.65	28.18
41	42.14	17.52	49.70	21.90	57.77	27.32	58.58	27.83	60.62	28.35	61.51	28.73	62.70	28.79	
43	42.14	18.26	49.70	22.72	57.77	27.83	57.64	28.16	60.19	28.65	61.82	28.92	61.55	29.11	
46	42.14	19.28	49.70	23.75	57.77	28.28	56.50	28.57	59.88	29.19	61.30	29.49	60.40	29.41	
48	42.14	20.13	49.70	24.55	57.77	28.38	54.10	28.89	59.77	29.59	57.60	29.77	59.03	29.72	
50	37.93	18.56	44.73	22.57	51.99	26.04	48.69	26.56	53.79	27.23	51.84	27.37	53.13	27.43	
52	30.34	15.17	35.79	18.50	41.59	21.28	38.95	21.73	43.03	22.37	41.47	22.36	42.50	22.39	
55	21.24	10.88	25.05	13.26	29.11	15.27	27.27	15.55	30.12	15.96	29.03	16.02	29.75	16.06	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table2-8.8:22HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	38.24	6.24	45.90	7.50	52.58	8.75	56.83	9.64	59.83	10.18	68.44	11.93	76.15	13.67
	-10	38.24	6.74	45.90	8.10	52.58	9.43	56.83	10.44	59.83	10.96	68.44	12.88	76.15	14.74
	-5	38.24	7.28	45.90	8.76	52.58	10.22	56.83	11.25	59.83	11.83	68.44	13.91	76.15	15.92
	-2	38.24	7.34	45.90	8.87	52.58	10.33	56.83	11.43	59.83	12.00	68.44	14.04	76.15	16.10
	0	38.24	7.47	45.90	8.96	52.58	10.48	56.83	11.58	59.83	12.14	68.44	14.18	76.15	16.21
	2	38.24	7.58	45.90	9.09	52.58	10.58	56.83	11.74	59.83	12.37	68.44	14.50	76.15	16.46
	4	38.24	7.69	45.90	9.21	52.58	10.78	56.83	11.87	59.83	12.48	68.44	14.73	76.15	16.69
	6	38.24	7.79	45.90	9.38	52.58	10.98	56.83	12.12	59.83	12.73	68.44	14.95	76.15	16.99
	8	38.24	7.95	45.90	9.58	52.58	11.22	56.83	12.30	59.83	12.96	68.44	15.22	76.15	17.13
	10	38.24	8.10	45.90	9.78	52.58	11.42	56.83	12.49	59.83	13.24	68.44	15.41	76.15	17.42
	12	38.24	8.25	45.90	9.97	52.58	11.59	56.83	12.68	59.83	13.46	68.44	15.74	76.15	17.75
	14	38.24	8.36	45.90	10.15	52.58	11.84	56.83	12.89	59.83	13.74	68.44	15.98	76.15	18.03
	16	38.24	8.50	45.90	10.33	52.58	12.07	56.83	13.14	59.83	13.99	68.44	16.30	75.93	18.38
	18	38.24	8.66	45.90	10.55	52.58	12.30	56.83	13.41	59.83	14.28	68.44	16.64	74.96	18.94
	20	38.24	8.81	45.90	10.80	52.58	12.50	56.83	13.69	59.83	14.82	68.44	17.92	73.88	19.90
	21	38.24	8.90	45.90	10.85	52.58	12.73	56.83	14.18	59.83	15.37	68.44	18.50	73.44	20.32
	23	38.24	9.10	45.90	11.28	52.58	13.64	56.83	15.20	59.83	16.44	68.44	19.91	72.25	21.29
	25	38.24	9.59	45.90	12.04	52.58	14.60	56.83	16.24	59.83	17.56	68.44	21.32	71.39	22.16
	27	38.24	10.16	45.90	12.81	52.58	15.60	56.83	17.35	59.83	18.79	68.44	22.75	70.20	23.11
	29	38.24	10.85	45.90	13.72	52.58	16.58	56.83	18.47	59.83	20.06	67.80	23.84	69.33	24.09
	31	38.24	11.49	45.90	14.58	52.58	17.70	56.83	19.75	59.83	21.45	66.61	24.72	68.14	24.98
	33	38.24	12.22	45.90	15.51	52.58	18.87	56.83	21.08	59.83	22.84	65.75	25.66	67.28	25.91
	35	38.24	13.02	45.90	16.47	52.58	20.13	56.83	22.46	59.83	24.42	64.56	26.69	66.09	26.90
	37	38.24	13.79	45.90	17.48	52.58	21.38	56.83	23.87	59.83	25.93	63.48	27.62	65.22	27.83
	39	38.24	14.64	45.90	18.68	52.58	22.75	56.83	25.50	59.83	27.66	62.51	28.56	64.03	28.80
41	38.24	15.11	45.90	19.46	52.58	23.58	56.83	26.15	59.83	27.83	62.07	29.26	63.60	29.53	
43	38.24	15.87	45.90	20.30	52.58	24.49	56.83	26.82	59.83	28.42	61.75	29.66	63.06	29.96	
46	38.24	16.85	45.90	21.33	52.58	25.46	56.83	27.64	59.83	29.24	61.43	29.95	62.09	30.28	
48	38.24	17.82	45.90	22.34	52.58	26.44	56.83	28.05	59.83	29.43	61.00	30.36	60.46	30.71	
50	34.42	16.35	41.31	20.60	47.32	24.24	51.15	25.86	53.85	27.13	54.90	27.94	54.42	28.29	
52	27.53	13.38	33.04	16.78	37.85	19.83	40.92	21.07	43.08	22.22	43.92	22.85	43.53	23.10	
55	19.27	9.60	23.13	12.06	26.50	14.23	28.64	15.10	30.15	15.84	30.74	16.37	30.47	16.56	
80%	-15	34.30	5.54	40.52	6.51	46.64	7.63	50.61	8.23	53.84	8.84	60.53	10.21	66.35	11.54
	-10	34.30	6.01	40.52	7.03	46.64	8.24	50.61	8.85	53.84	9.51	60.53	11.02	66.35	12.44
	-5	34.30	6.48	40.52	7.59	46.64	8.91	50.61	9.59	53.84	10.27	60.53	11.92	66.35	13.46
	-2	34.30	6.58	40.52	7.69	46.64	9.00	50.61	9.75	53.84	10.38	60.53	12.06	66.35	13.59
	0	34.30	6.70	40.52	7.79	46.64	9.09	50.61	9.85	53.84	10.58	60.53	12.21	66.35	13.76
	2	34.30	6.81	40.52	7.88	46.64	9.22	50.61	10.05	53.84	10.73	60.53	12.46	66.35	14.05
	4	34.30	6.94	40.52	8.01	46.64	9.41	50.61	10.27	53.84	10.96	60.53	12.65	66.35	14.23
	6	34.30	7.05	40.52	8.23	46.64	9.53	50.61	10.51	53.84	11.14	60.53	12.88	66.35	14.48
	8	34.30	7.17	40.52	8.41	46.64	9.76	50.61	10.65	53.84	11.37	60.53	13.04	66.35	14.75
	10	34.30	7.25	40.52	8.60	46.64	10.01	50.61	10.91	53.84	11.68	60.53	13.37	66.35	14.88
	12	34.30	7.33	40.52	8.75	46.64	10.20	50.61	11.13	53.84	11.90	60.53	13.58	66.35	15.18
	14	34.30	7.51	40.52	8.91	46.64	10.36	50.61	11.33	53.84	12.12	60.53	13.85	66.35	15.44
	16	34.30	7.59	40.52	9.06	46.64	10.61	50.61	11.54	53.84	12.32	60.53	14.13	66.35	15.77
	18	34.30	7.75	40.52	9.23	46.64	10.79	50.61	11.75	53.84	12.55	60.53	14.39	66.35	16.09
	20	34.30	7.89	40.52	9.40	46.64	11.03	50.61	11.98	53.84	12.85	60.53	14.97	66.35	17.19
	21	34.30	7.94	40.52	9.48	46.64	11.10	50.61	12.15	53.84	13.12	60.53	15.50	66.35	17.81
	23	34.30	8.09	40.52	9.71	46.64	11.62	50.61	12.89	53.84	14.01	60.53	16.55	66.35	19.08
	25	34.30	8.37	40.52	10.31	46.64	12.47	50.61	13.81	53.84	14.95	60.53	17.77	66.35	20.41
	27	34.30	8.90	40.52	10.97	46.64	13.26	50.61	14.72	53.84	16.02	60.53	18.98	66.35	21.87
	29	34.30	9.43	40.52	11.67	46.64	14.15	50.61	15.64	53.84	17.10	60.53	20.21	66.35	23.36
	31	34.30	10.05	40.52	12.40	46.64	15.01	50.61	16.72	53.84	18.25	60.53	21.57	65.19	24.27
	33	34.30	10.67	40.52	13.22	46.64	15.99	50.61	17.82	53.84	19.36	60.53	23.06	64.34	25.18
	35	34.30	11.33	40.52	14.06	46.64	17.07	50.61	18.98	53.84	20.65	60.53	24.60	63.17	26.06
	37	34.30	11.99	40.52	14.90	46.64	18.16	50.61	20.22	53.84	21.97	60.53	26.14	62.32	26.97
	39	34.30	12.67	40.52	15.88	46.64	19.26	50.61	21.50	53.84	23.47	60.53	27.88	61.16	27.92
41	34.30	12.99	40.52	16.05	46.64	19.52	50.61	22.03	53.84	23.87	60.53	28.60	60.84	28.52	
43	34.30	13.34	40.52	16.19	46.64	19.82	50.61	22.36	53.84	24.18	60.53	28.87	60.42	28.79	
46	34.30	13.77	40.52	16.32	46.64	20.20	50.61	22.90	53.84	24.57	60.53	29.22	59.67	29.18	
48	34.30	14.20	40.52	16.43	46.64	20.49	50.61	23.14	53.84	24.74	60.53	29.49	59.14	29.67	
50	30.87	13.07	36.47	15.11	41.97	18.93	45.55	21.38	48.45	22.84	54.48	27.14	53.23	27.31	
52	24.69	10.66	29.18	12.39	33.58	15.42	36.44	17.47	38.76	18.70	43.58	22.18	42.58	22.25	
55	17.29	7.66	20.42	8.87	23.51	11.08	25.51	12.52	27.13	13.38	30.51	15.93	29.81	15.97	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.8:22HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	29.44	4.85	36.02	5.82	41.39	6.54	44.71	7.10	46.64	7.41	52.36	8.48	58.71	9.86
	-10	29.44	5.26	36.02	6.30	41.39	7.06	44.71	7.65	46.64	7.98	52.36	9.15	58.71	10.61
	-5	29.44	5.67	36.02	6.79	41.39	7.65	44.71	8.25	46.64	8.66	52.36	9.91	58.71	11.50
	-2	29.44	5.72	36.02	6.83	41.39	7.68	44.71	8.44	46.64	8.80	52.36	10.04	58.71	11.65
	0	29.44	5.75	36.02	6.91	41.39	7.83	44.71	8.59	46.64	8.95	52.36	10.27	58.71	11.77
	2	29.44	5.80	36.02	6.95	41.39	7.97	44.71	8.74	46.64	9.12	52.36	10.46	58.71	11.98
	4	29.44	5.87	36.02	7.12	41.39	8.15	44.71	8.90	46.64	9.30	52.36	10.65	58.71	12.25
	6	29.44	5.96	36.02	7.26	41.39	8.34	44.71	9.17	46.64	9.51	52.36	10.81	58.71	12.49
	8	29.44	6.05	36.02	7.48	41.39	8.55	44.71	9.33	46.64	9.73	52.36	11.14	58.71	12.73
	10	29.44	6.18	36.02	7.58	41.39	8.75	44.71	9.52	46.64	10.00	52.36	11.39	58.71	12.91
	12	29.44	6.33	36.02	7.69	41.39	8.93	44.71	9.72	46.64	10.18	52.36	11.57	58.71	13.16
	14	29.44	6.43	36.02	7.82	41.39	9.06	44.71	9.86	46.64	10.33	52.36	11.79	58.71	13.39
	16	29.44	6.56	36.02	7.98	41.39	9.26	44.71	10.06	46.64	10.56	52.36	12.01	58.71	13.62
	18	29.44	6.67	36.02	8.12	41.39	9.44	44.71	10.22	46.64	10.71	52.36	12.24	58.71	13.94
	20	29.44	6.76	36.02	8.27	41.39	9.61	44.71	10.43	46.64	10.95	52.36	12.50	58.71	14.30
	21	29.44	6.84	36.02	8.35	41.39	9.69	44.71	10.52	46.64	11.06	52.36	12.71	58.71	14.78
	23	29.44	6.94	36.02	8.47	41.39	9.88	44.71	10.88	46.64	11.58	52.36	13.59	58.71	15.87
	25	29.44	7.09	36.02	8.82	41.39	10.52	44.71	11.64	46.64	12.36	52.36	14.53	58.71	16.99
	27	29.44	7.48	36.02	9.43	41.39	11.26	44.71	12.39	46.64	13.21	52.36	15.49	58.71	18.18
	29	29.44	7.95	36.02	9.99	41.39	11.97	44.71	13.20	46.64	14.08	52.36	16.56	58.71	19.40
	31	29.44	8.40	36.02	10.58	41.39	12.71	44.71	14.04	46.64	14.95	52.36	17.63	58.71	20.65
	33	29.44	8.94	36.02	11.26	41.39	13.58	44.71	14.95	46.64	15.95	52.36	18.77	58.71	22.02
	35	29.44	9.44	36.02	11.94	41.39	14.35	44.71	15.87	46.64	16.98	52.36	20.02	58.71	23.44
	37	29.44	9.97	36.02	12.69	41.39	15.30	44.71	16.88	46.64	18.05	52.36	21.27	58.71	24.97
	39	29.44	10.58	36.02	13.44	41.39	16.19	44.71	17.91	46.64	19.14	52.36	22.65	58.71	26.59
41	29.44	11.04	36.02	13.87	41.39	16.71	44.71	18.58	46.64	19.72	52.36	23.59	58.71	27.77	
43	29.44	11.96	36.02	14.87	41.39	17.37	44.71	19.51	46.64	20.32	52.36	24.44	58.71	28.72	
46	29.44	12.18	36.02	15.18	41.39	17.73	44.71	19.87	46.64	21.39	52.36	25.74	58.71	29.73	
48	29.44	12.47	36.02	15.22	41.39	17.97	44.71	20.21	46.64	21.94	52.36	26.98	58.71	30.55	
50	26.49	11.47	32.42	14.06	37.25	16.55	40.24	18.58	41.97	20.23	47.12	24.80	52.84	28.14	
52	21.19	9.37	25.93	11.48	29.80	13.54	32.19	15.20	33.58	16.49	37.70	20.29	42.27	22.97	
55	14.84	6.72	18.15	8.20	20.86	9.68	22.54	10.86	23.51	11.83	26.39	14.52	29.59	16.41	
60%	-15	25.42	4.19	30.63	4.90	35.39	5.68	38.22	6.10	40.39	6.52	45.38	7.34	49.87	8.34
	-10	25.42	4.52	30.63	5.29	35.39	6.11	38.22	6.59	40.39	7.04	45.38	7.91	49.87	9.02
	-5	25.42	4.88	30.63	5.73	35.39	6.62	38.22	7.10	40.39	7.63	45.38	8.56	49.87	9.72
	-2	25.42	4.92	30.63	5.80	35.39	6.73	38.22	7.21	40.39	7.70	45.38	8.66	49.87	9.77
	0	25.42	4.99	30.63	5.89	35.39	6.83	38.22	7.32	40.39	7.81	45.38	8.79	49.87	9.91
	2	25.42	5.07	30.63	6.02	35.39	6.93	38.22	7.43	40.39	7.92	45.38	8.97	49.87	10.04
	4	25.42	5.20	30.63	6.13	35.39	7.07	38.22	7.55	40.39	8.05	45.38	9.11	49.87	10.18
	6	25.42	5.27	30.63	6.25	35.39	7.20	38.22	7.71	40.39	8.20	45.38	9.32	49.87	10.43
	8	25.42	5.38	30.63	6.35	35.39	7.34	38.22	7.83	40.39	8.39	45.38	9.49	49.87	10.59
	10	25.42	5.46	30.63	6.50	35.39	7.47	38.22	8.07	40.39	8.55	45.38	9.65	49.87	10.74
	12	25.42	5.57	30.63	6.60	35.39	7.62	38.22	8.21	40.39	8.69	45.38	9.84	49.87	10.91
	14	25.42	5.67	30.63	6.70	35.39	7.69	38.22	8.34	40.39	8.84	45.38	10.04	49.87	11.11
	16	25.42	5.73	30.63	6.80	35.39	7.84	38.22	8.50	40.39	8.99	45.38	10.20	49.87	11.33
	18	25.42	5.84	30.63	6.91	35.39	7.97	38.22	8.63	40.39	9.17	45.38	10.38	49.87	11.56
	20	25.42	5.90	30.63	7.05	35.39	8.13	38.22	8.83	40.39	9.37	45.38	10.57	49.87	11.78
	21	25.42	5.98	30.63	7.10	35.39	8.19	38.22	8.88	40.39	9.42	45.38	10.67	49.87	11.87
	23	25.42	6.05	30.63	7.25	35.39	8.35	38.22	9.08	40.39	9.61	45.38	11.09	49.87	12.69
	25	25.42	6.14	30.63	7.34	35.39	8.65	38.22	9.48	40.39	10.22	45.38	11.84	49.87	13.48
	27	25.42	6.38	30.63	7.82	35.39	9.23	38.22	10.14	40.39	10.86	45.38	12.61	49.87	14.43
	29	25.42	6.73	30.63	8.27	35.39	9.81	38.22	10.76	40.39	11.56	45.38	13.49	49.87	15.43
	31	25.42	7.16	30.63	8.79	35.39	10.41	38.22	11.48	40.39	12.35	45.38	14.36	49.87	16.41
	33	25.42	7.54	30.63	9.32	35.39	11.07	38.22	12.19	40.39	13.13	45.38	15.24	49.87	17.49
	35	25.42	8.03	30.63	9.86	35.39	11.76	38.22	12.94	40.39	13.95	45.38	16.23	49.87	18.57
	37	25.42	8.46	30.63	10.47	35.39	12.47	38.22	13.74	40.39	14.74	45.38	17.24	49.87	19.80
	39	25.42	8.92	30.63	11.06	35.39	13.20	38.22	14.53	40.39	15.73	45.38	18.35	49.87	21.09
41	25.42	9.22	30.63	11.55	35.39	13.66	38.22	15.13	40.39	16.28	45.38	19.24	49.87	22.05	
43	25.42	9.53	30.63	12.05	35.39	14.12	38.22	15.55	40.39	16.87	45.38	19.99	49.87	22.95	
46	25.42	9.98	30.63	12.63	35.39	14.73	38.22	16.12	40.39	17.67	45.38	20.93	49.87	24.20	
48	25.42	10.31	30.63	13.17	35.39	15.22	38.22	16.57	40.39	18.34	45.38	21.61	49.87	25.42	
50	22.88	9.53	27.57	12.12	31.85	14.01	34.39	15.24	36.35	16.89	40.84	19.94	44.88	23.33	
52	18.30	7.78	22.05	9.92	25.48	11.48	27.52	12.45	29.08	13.83	32.67	16.27	35.90	19.16	
55	12.81	5.56	15.44	7.11	17.84	8.22	19.26	8.90	20.36	9.86	22.87	11.69	25.13	13.68	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table2-8.8:22HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	21.48	3.68	25.18	4.17	29.51	4.84	31.91	5.12	33.25	5.29	38.07	6.16	41.59	6.49
	-10	21.48	3.97	25.18	4.50	29.51	5.22	31.91	5.53	33.25	5.72	38.07	6.63	41.59	7.03
	-5	21.48	4.29	25.18	4.86	29.51	5.63	31.91	5.98	33.25	6.16	38.07	7.18	41.59	7.59
	-2	21.48	4.33	25.18	4.95	29.51	5.71	31.91	6.05	33.25	6.29	38.07	7.27	41.59	7.69
	0	21.48	4.38	25.18	5.04	29.51	5.81	31.91	6.15	33.25	6.36	38.07	7.40	41.59	7.80
	2	21.48	4.45	25.18	5.09	29.51	5.90	31.91	6.22	33.25	6.45	38.07	7.40	41.59	7.96
	4	21.48	4.50	25.18	5.19	29.51	5.97	31.91	6.31	33.25	6.60	38.07	7.61	41.59	8.15
	6	21.48	4.59	25.18	5.28	29.51	6.07	31.91	6.44	33.25	6.72	38.07	7.73	41.59	8.42
	8	21.48	4.68	25.18	5.36	29.51	6.17	31.91	6.59	33.25	6.80	38.07	7.85	41.59	8.70
	10	21.48	4.80	25.18	5.42	29.51	6.27	31.91	6.69	33.25	7.00	38.07	8.06	41.59	8.80
	12	21.48	4.82	25.18	5.50	29.51	6.35	31.91	6.82	33.25	7.13	38.07	8.21	41.59	8.95
	14	21.48	4.88	25.18	5.56	29.51	6.42	31.91	6.98	33.25	7.26	38.07	8.34	41.59	9.11
	16	21.48	4.96	25.18	5.64	29.51	6.55	31.91	7.08	33.25	7.34	38.07	8.47	41.59	9.24
	18	21.48	5.03	25.18	5.75	29.51	6.63	31.91	7.19	33.25	7.48	38.07	8.64	41.59	9.43
	20	21.48	5.10	25.18	5.82	29.51	6.74	31.91	7.30	33.25	7.63	38.07	8.77	41.59	9.60
	21	21.48	5.15	25.18	5.87	29.51	6.81	31.91	7.35	33.25	7.72	38.07	8.89	41.59	9.72
	23	21.48	5.22	25.18	5.94	29.51	6.93	31.91	7.50	33.25	7.84	38.07	9.03	41.59	9.91
	25	21.48	5.30	25.18	6.04	29.51	7.06	31.91	7.64	33.25	8.11	38.07	9.48	41.59	10.57
	27	21.48	5.39	25.18	6.31	29.51	7.45	31.91	8.16	33.25	8.56	38.07	10.11	41.59	11.29
	29	21.48	5.68	25.18	6.65	29.51	7.91	31.91	8.67	33.25	9.14	38.07	10.74	41.59	12.05
	31	21.48	5.99	25.18	7.03	29.51	8.38	31.91	9.21	33.25	9.71	38.07	11.40	41.59	12.78
33	21.48	6.37	25.18	7.44	29.51	8.92	31.91	9.75	33.25	10.27	38.07	12.10	41.59	13.62	
35	21.48	6.70	25.18	7.87	29.51	9.43	31.91	10.31	33.25	10.89	38.07	12.88	41.59	14.44	
37	21.48	7.07	25.18	8.32	29.51	9.96	31.91	10.90	33.25	11.55	38.07	13.64	41.59	15.36	
39	21.48	7.45	25.18	8.76	29.51	10.52	31.91	11.56	33.25	12.23	38.07	14.51	41.59	16.34	
41	21.48	7.75	25.18	9.17	29.51	10.92	31.91	12.09	33.25	12.76	38.07	15.27	41.59	17.04	
43	21.48	8.27	25.18	9.80	29.51	11.27	31.91	12.61	33.25	13.11	38.07	16.00	41.59	17.81	
46	21.48	8.46	25.18	10.04	29.51	12.09	31.91	13.59	33.25	13.67	38.07	17.54	41.59	19.35	
48	21.48	8.65	25.18	10.30	29.51	12.72	31.91	14.50	33.25	14.32	38.07	18.96	41.59	20.77	
50	19.33	7.95	22.66	9.45	26.56	11.72	28.72	13.35	29.92	13.19	34.27	17.41	37.43	19.12	
52	15.47	6.49	18.13	7.75	21.25	9.58	22.97	10.95	23.94	10.78	27.41	14.29	29.94	15.67	
55	10.83	4.64	12.69	5.55	14.87	6.85	16.08	7.84	16.76	7.73	19.19	10.22	20.96	11.20	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.9:24HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	61.42	11.34	72.33	13.69	84.72	14.84	87.95	15.44	90.35	15.57	94.31	17.25	96.71	17.33
	-10	61.42	12.27	72.33	14.76	84.72	16.01	87.95	16.61	90.35	16.79	94.31	18.61	96.71	18.70
	-5	61.42	13.22	72.33	15.97	84.72	17.27	87.95	17.99	90.35	18.16	94.31	20.12	96.71	20.21
	-2	61.42	13.20	72.33	16.29	84.72	17.24	87.95	18.12	90.35	18.13	94.31	20.29	96.71	20.39
	0	61.42	13.47	72.33	16.60	84.72	17.89	87.95	19.09	90.35	19.15	94.31	20.63	96.71	20.64
	2	61.42	13.68	72.33	16.58	84.72	18.54	87.95	20.19	90.35	19.36	94.31	20.72	96.71	21.03
	4	61.42	14.00	72.33	16.94	84.72	19.14	87.95	20.27	90.35	19.61	94.31	21.09	96.71	21.41
	6	61.42	14.25	72.33	17.26	84.72	19.90	87.95	20.44	89.33	20.25	93.17	21.34	95.56	21.51
	8	61.42	14.63	72.33	17.67	84.72	20.88	87.95	21.38	88.31	20.96	92.13	21.49	94.42	21.79
	10	61.42	14.93	72.33	18.07	84.72	21.59	87.95	22.14	87.19	21.27	91.09	21.77	93.27	22.36
	12	61.42	15.19	72.33	18.41	84.72	22.02	86.70	22.46	86.27	21.66	89.84	22.13	92.03	22.57
	14	61.42	15.51	72.33	18.75	84.41	22.39	85.66	22.75	85.04	21.91	88.80	22.45	91.09	22.99
	16	61.42	15.78	72.33	19.15	83.48	22.70	84.41	23.09	83.82	22.56	87.55	22.76	89.84	23.38
	18	61.42	16.06	72.33	19.50	82.23	23.09	83.16	23.25	82.80	22.93	86.62	23.55	88.80	23.75
	20	61.42	16.37	72.33	20.78	80.98	24.25	82.23	24.35	81.57	23.99	85.37	24.68	87.55	24.94
	21	61.42	16.84	72.33	21.45	80.46	24.74	81.71	24.92	81.06	24.57	84.85	25.24	87.03	25.46
	23	61.42	18.09	72.33	23.09	79.42	25.85	80.46	26.01	79.84	25.61	83.60	26.39	85.79	26.68
	25	61.42	19.31	72.33	24.66	78.17	27.05	79.21	27.13	78.92	26.76	82.56	27.59	84.85	27.78
	27	61.42	20.63	72.33	26.41	77.23	28.22	78.17	28.31	77.69	27.97	81.32	28.69	83.60	29.05
	29	61.42	21.96	72.33	28.27	75.98	29.33	76.92	29.41	76.67	29.10	80.38	29.92	82.56	30.22
	31	61.42	23.44	72.13	29.83	74.73	30.44	75.98	30.67	75.45	30.14	79.13	31.09	81.32	31.38
	33	61.42	24.99	70.89	30.95	73.69	31.63	74.73	31.71	74.53	31.29	78.09	32.33	80.07	32.68
	35	61.42	26.69	69.65	32.07	72.44	32.71	73.69	32.95	73.30	32.48	76.84	33.48	79.13	33.80
	37	61.42	28.29	68.62	33.30	71.51	33.92	72.44	34.16	72.28	33.68	75.60	34.67	77.88	35.13
	39	61.42	30.21	67.38	33.65	70.26	35.01	71.51	35.30	71.06	34.79	74.66	35.91	76.84	36.38
41	61.42	31.73	66.66	33.97	69.53	35.34	70.78	35.56	70.34	35.15	73.93	35.88	73.93	36.63	
43	61.42	32.64	66.25	34.13	69.11	35.45	70.36	35.76	69.63	35.17	72.58	36.09	73.10	36.64	
46	61.42	34.19	65.83	34.40	68.38	35.77	69.63	36.02	68.61	35.40	70.61	36.18	71.65	37.38	
48	61.42	35.44	65.63	35.49	67.24	36.21	68.49	36.33	67.79	35.74	68.73	36.73	69.98	37.47	
50	55.28	32.52	59.06	32.69	60.51	33.26	61.64	33.40	61.01	32.89	61.86	33.80	62.98	34.62	
52	44.22	26.62	47.25	26.77	48.41	27.18	49.31	27.37	48.81	26.88	49.49	27.68	50.39	28.26	
55	30.96	19.06	33.08	19.18	33.89	19.49	34.52	19.61	34.17	19.29	34.64	19.79	35.27	20.21	
120%	-15	55.60	10.77	66.08	13.01	78.32	15.69	82.88	16.94	86.05	17.45	89.02	18.25	90.03	18.47
	-10	55.60	11.63	66.08	14.07	78.32	16.96	82.88	18.26	86.05	18.85	89.02	19.71	90.03	19.99
	-5	55.60	12.53	66.08	15.15	78.32	18.28	82.88	19.72	86.05	20.34	89.02	21.28	90.03	21.57
	-2	55.60	12.69	66.08	15.30	78.32	18.50	82.88	19.83	86.05	20.60	89.02	21.45	90.03	21.62
	0	55.60	12.75	66.08	15.45	78.32	18.73	82.88	19.90	86.05	20.78	89.02	21.63	90.03	21.71
	2	55.60	12.79	66.08	15.59	78.32	18.85	82.88	20.06	86.05	20.84	89.02	21.79	90.03	21.71
	4	55.60	12.91	66.08	15.78	78.32	19.12	82.88	20.22	86.05	21.21	89.02	21.77	90.03	21.83
	6	55.60	13.09	66.08	15.95	78.32	19.28	82.88	20.47	86.05	21.43	89.02	21.92	90.03	21.90
	8	55.60	13.20	66.08	16.11	78.32	19.58	82.88	20.77	86.05	21.59	89.02	22.08	90.03	22.01
	10	55.60	13.37	66.08	16.31	78.32	19.77	82.88	21.16	86.05	21.64	89.02	22.13	90.03	22.10
	12	55.60	13.63	66.08	16.56	78.32	20.17	82.88	21.49	84.82	21.73	87.78	21.93	88.80	22.20
	14	55.60	13.85	66.08	16.92	78.32	20.55	82.88	21.97	83.59	21.83	86.84	22.28	87.78	22.51
	16	55.60	14.12	66.08	17.30	78.32	20.93	82.37	22.33	82.67	22.15	85.60	22.65	86.56	22.86
	18	55.60	14.41	66.08	17.60	78.32	21.61	81.13	22.89	81.45	22.75	84.36	23.17	85.53	23.15
	20	55.60	14.67	66.08	18.30	78.32	23.24	80.20	23.96	80.42	23.79	83.33	24.33	84.41	24.27
	21	55.60	14.84	66.08	18.92	78.32	24.10	79.38	24.55	79.71	24.37	82.92	24.87	83.90	24.87
	23	55.60	15.87	66.08	20.34	78.32	25.82	78.45	25.55	78.69	25.53	81.68	26.07	82.67	25.95
	25	55.60	16.87	66.08	21.68	77.07	26.89	77.21	26.70	77.56	26.62	80.64	27.22	81.65	27.07
	27	55.60	18.05	66.08	23.18	76.13	27.99	76.18	27.86	76.54	27.80	79.40	28.38	80.42	28.28
	29	55.60	19.26	66.08	24.78	74.88	29.20	74.94	28.95	75.31	28.85	78.16	29.52	79.50	29.38
	31	55.60	20.57	66.08	26.42	73.62	30.41	74.02	30.19	74.29	30.09	77.23	30.63	78.28	30.69
	33	55.60	21.89	66.08	28.17	72.58	31.52	72.78	31.29	73.07	31.09	75.99	31.86	77.05	31.78
	35	55.60	23.24	66.08	30.14	71.33	32.65	71.54	32.42	72.15	32.24	74.96	32.99	76.03	32.91
	37	55.60	24.83	66.08	32.14	70.39	33.86	70.51	33.64	70.92	33.52	73.71	34.26	74.80	34.11
	39	55.60	26.35	65.88	33.80	69.14	34.90	69.27	34.77	69.69	34.67	72.68	35.40	73.88	35.33
41	55.60	27.09	65.26	34.04	68.62	35.21	68.76	34.95	69.18	34.85	72.16	35.47	71.74	35.60	
43	55.60	27.47	64.95	34.36	67.99	35.32	68.24	35.09	68.67	34.97	70.92	35.63	70.61	36.35	
46	55.60	27.79	64.65	34.71	67.37	35.75	67.52	35.38	68.06	35.20	69.48	35.64	69.90	37.03	
48	55.60	28.06	64.03	35.02	66.53	36.10	66.49	35.69	67.24	35.50	68.44	36.02	68.98	37.63	
50	50.04	25.72	57.63	32.32	59.88	33.19	59.84	32.84	60.52	32.67	61.60	33.15	62.08	34.56	
52	40.03	21.10	46.10	26.39	47.90	27.17	47.87	26.78	48.41	26.77	49.28	27.14	49.66	28.24	
55	28.02	15.12	32.27	18.87	33.53	19.37	33.51	19.17	33.89	19.13	34.49	19.44	34.77	20.22	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.9: 24HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	51.44	9.49	61.13	11.79	71.23	14.08	75.90	15.08	80.22	16.11	87.95	17.02	89.15	17.38
	-10	51.44	10.25	61.13	12.70	71.23	15.18	75.90	16.30	80.22	17.37	87.95	18.38	89.15	18.77
	-5	51.44	11.07	61.13	13.74	71.23	16.46	75.90	17.59	80.22	18.74	87.95	19.84	89.15	20.26
	-2	51.44	11.26	61.13	13.89	71.23	16.55	75.90	17.74	80.22	18.93	87.95	20.00	89.15	20.35
	0	51.44	11.39	61.13	13.97	71.23	16.71	75.90	17.88	80.22	19.07	87.95	20.27	89.15	20.65
	2	51.44	11.63	61.13	14.11	71.23	16.97	75.90	18.03	80.22	19.29	87.95	20.53	89.15	20.91
	4	51.44	11.84	61.13	14.27	71.23	17.08	75.90	18.23	80.22	19.57	87.95	20.77	89.15	21.12
	6	51.44	11.95	61.13	14.43	71.23	17.25	75.90	18.60	80.22	19.83	87.95	21.02	89.15	21.38
	8	51.44	12.09	61.13	14.69	71.23	17.49	75.90	18.72	80.22	20.09	87.95	21.17	89.15	21.67
	10	51.44	12.20	61.13	14.90	71.23	17.71	75.90	19.04	80.22	20.40	87.95	21.34	89.15	21.77
	12	51.44	12.45	61.13	15.17	71.23	18.10	75.90	19.48	80.22	20.81	86.91	21.65	87.92	22.07
	14	51.44	12.72	61.13	15.44	71.23	18.40	75.90	19.84	80.22	21.17	85.66	21.76	86.88	22.30
	16	51.44	12.92	61.13	15.77	71.23	18.73	75.90	20.16	80.22	21.57	84.72	22.07	85.65	22.52
	18	51.44	13.16	61.13	16.01	71.23	19.15	75.90	20.78	80.22	22.63	83.48	23.23	84.72	23.17
	20	51.44	13.41	61.13	16.40	71.23	20.24	75.90	22.33	78.99	23.74	82.43	24.30	83.48	24.29
	21	51.44	13.58	61.13	16.87	71.23	20.97	75.90	23.10	78.48	24.29	81.71	24.87	82.96	24.87
	23	51.44	14.24	61.13	18.07	71.23	22.50	75.90	24.83	77.26	25.38	80.66	26.11	81.72	26.04
	25	51.44	15.13	61.13	19.35	71.23	24.08	75.90	26.54	76.34	26.48	79.42	27.18	80.69	27.24
	27	51.44	16.13	61.13	20.69	71.23	25.71	74.67	27.64	75.11	27.51	78.48	28.39	79.56	28.29
	29	51.44	17.24	61.13	21.98	71.23	27.59	73.64	28.78	74.09	28.77	77.23	29.57	78.53	29.49
	31	51.44	18.39	61.13	23.47	71.23	29.40	72.50	29.99	72.86	29.79	76.19	30.68	77.29	30.71
	33	51.44	19.54	61.13	25.05	70.72	31.05	71.47	31.05	71.94	30.96	74.94	31.82	76.26	31.78
	35	51.44	20.81	61.13	26.68	69.48	32.18	70.24	32.17	70.72	32.16	73.69	32.99	75.02	33.04
	37	51.44	22.14	61.13	28.41	68.55	33.35	69.21	33.29	69.49	33.26	72.75	34.17	73.78	34.20
	39	51.44	23.50	61.13	30.32	67.30	34.38	67.97	34.52	68.47	34.39	71.51	35.31	72.85	35.38
41	51.44	23.69	61.13	30.47	66.79	34.73	67.46	34.76	67.96	34.66	70.57	35.62	70.68	35.66	
43	51.44	24.00	61.13	30.92	66.27	34.83	66.94	34.94	67.45	34.83	69.94	35.75	69.55	36.35	
46	51.44	24.71	61.13	31.12	65.55	35.29	66.22	35.39	66.83	35.15	69.22	36.76	68.93	37.22	
48	51.44	25.62	61.13	33.70	64.62	35.38	65.19	35.56	66.12	35.39	68.07	36.72	68.00	37.58	
50	46.29	23.58	55.02	31.01	58.15	32.56	58.67	32.63	59.51	32.69	61.26	33.79	61.20	34.55	
52	37.03	19.27	44.01	25.29	46.52	26.66	46.94	26.80	47.60	26.74	49.01	27.72	48.96	28.21	
55	25.92	13.80	30.81	18.14	32.57	19.03	32.86	19.14	33.32	19.09	34.31	19.82	34.27	20.21	
100%	-15	46.15	8.53	54.93	10.25	63.95	12.22	67.00	12.97	72.65	14.19	80.92	16.02	86.30	16.84
	-10	46.15	9.21	54.93	11.06	63.95	13.17	67.00	13.99	72.65	15.33	80.92	17.30	86.30	18.17
	-5	46.15	9.93	54.93	12.00	63.95	14.24	67.00	15.11	72.65	16.52	80.92	18.61	86.30	19.68
	-2	46.15	10.08	54.93	12.16	63.95	14.37	67.00	15.42	72.65	16.75	80.92	18.89	86.30	19.77
	0	46.15	10.17	54.93	12.28	63.95	14.54	67.00	15.57	72.65	16.90	80.92	19.20	86.30	19.97
	2	46.15	10.37	54.93	12.40	63.95	14.68	67.00	15.77	72.65	17.13	80.92	19.43	86.30	20.35
	4	46.15	10.42	54.93	12.53	63.95	14.96	67.00	16.02	72.65	17.28	80.92	19.67	86.30	20.50
	6	46.15	10.60	54.93	12.79	63.95	15.11	67.00	16.29	72.65	17.54	80.92	19.90	86.30	20.90
	8	46.15	10.78	54.93	12.96	63.95	15.38	67.00	16.51	72.65	17.89	80.92	20.26	86.30	21.19
	10	46.15	10.91	54.93	13.26	63.95	15.65	67.00	16.76	72.65	18.16	80.92	20.62	86.30	21.51
	12	46.15	11.09	54.93	13.47	63.95	15.98	67.00	17.09	72.65	18.53	80.92	20.94	85.08	21.68
	14	46.15	11.31	54.93	13.76	63.95	16.23	67.00	17.43	72.65	18.85	80.92	21.38	84.16	21.90
	16	46.15	11.50	54.93	13.97	63.95	16.57	67.00	17.73	72.65	19.25	80.41	21.62	82.94	22.15
	18	46.15	11.75	54.93	14.28	63.95	16.87	67.00	18.11	72.65	19.66	79.41	22.36	81.92	22.73
	20	46.15	11.93	54.93	14.56	63.95	17.40	67.00	18.99	72.65	21.08	78.19	23.41	80.70	23.80
	21	46.15	12.07	54.93	14.69	63.95	18.02	67.00	19.67	72.65	21.72	77.79	23.98	80.19	24.43
	23	46.15	12.38	54.93	15.68	63.95	19.29	67.00	21.11	72.65	23.39	76.78	25.05	78.97	25.54
	25	46.15	13.17	54.93	16.76	63.95	20.72	67.00	22.63	72.65	25.05	75.57	26.18	78.05	26.65
	27	46.15	14.11	54.93	17.81	63.95	22.06	67.00	24.20	72.65	26.80	74.36	27.29	76.83	27.72
	29	46.15	14.95	54.93	19.03	63.95	23.58	67.00	25.84	72.45	28.36	73.35	28.44	75.81	28.94
	31	46.15	15.93	54.93	20.32	63.95	25.16	67.00	27.52	71.43	29.58	72.14	29.48	74.59	30.03
	33	46.15	16.95	54.93	21.64	63.95	26.85	67.00	29.41	70.20	30.57	71.23	30.64	73.67	31.22
	35	46.15	18.03	54.93	22.96	63.95	28.58	67.00	31.36	68.98	31.79	70.02	31.68	72.45	32.25
	37	46.15	19.14	54.93	24.53	63.95	30.46	65.80	32.45	68.06	32.91	69.01	32.82	71.22	33.47
	39	46.15	20.40	54.93	26.01	63.95	32.42	64.80	33.52	66.84	34.03	67.80	34.02	70.20	34.59
41	46.15	21.29	54.93	26.99	63.95	33.67	63.80	33.79	66.33	34.52	66.69	34.71	69.18	35.38	
43	46.15	22.26	54.93	27.88	63.95	34.22	62.80	34.14	65.82	34.85	67.10	35.04	67.96	35.70	
46	46.15	23.57	54.93	29.20	63.95	34.91	61.50	34.68	65.52	35.48	66.49	35.59	66.64	36.18	
48	46.15	24.54	54.93	30.22	63.95	34.83	59.00	35.01	65.41	36.18	62.45	35.85	65.11	36.48	
50	41.53	22.60	49.43	27.76	57.55	32.12	53.10	32.25	58.87	33.26	56.21	32.99	58.60	33.67	
52	33.22	18.51	39.55	22.70	46.04	26.32	42.48	26.38	47.10	27.15	44.97	27.01	46.88	27.46	
55	23.26	13.25	27.68	16.32	32.23	18.80	29.74	18.88	32.97	19.49	31.48	19.37	32.82	19.68	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.9:24HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	41.96	7.61	49.66	9.05	58.41	10.81	62.10	11.77	65.44	12.38	74.87	14.49	82.37	16.49
	-10	41.96	8.22	49.66	9.78	58.41	11.69	62.10	12.71	65.44	13.38	74.87	15.71	82.37	17.79
	-5	41.96	8.90	49.66	10.57	58.41	12.59	62.10	13.68	65.44	14.48	74.87	16.95	82.37	19.25
	-2	41.96	8.97	49.66	10.66	58.41	12.78	62.10	13.92	65.44	14.66	74.87	17.09	82.37	19.36
	0	41.96	9.08	49.66	10.79	58.41	12.98	62.10	14.04	65.44	14.84	74.87	17.28	82.37	19.55
	2	41.96	9.26	49.66	10.95	58.41	13.08	62.10	14.25	65.44	15.06	74.87	17.67	82.37	19.87
	4	41.96	9.37	49.66	11.13	58.41	13.30	62.10	14.47	65.44	15.25	74.87	17.92	82.37	20.11
	6	41.96	9.51	49.66	11.32	58.41	13.55	62.10	14.77	65.44	15.53	74.87	18.20	82.37	20.51
	8	41.96	9.70	49.66	11.51	58.41	13.87	62.10	14.90	65.44	15.80	74.87	18.57	82.37	20.66
	10	41.96	9.88	49.66	11.76	58.41	14.06	62.10	15.19	65.44	16.15	74.87	18.77	82.37	20.95
	12	41.96	10.06	49.66	11.99	58.41	14.35	62.10	15.38	65.44	16.44	74.87	19.09	82.37	21.36
	14	41.96	10.21	49.66	12.23	58.41	14.59	62.10	15.71	65.44	16.69	74.87	19.50	82.37	21.81
	16	41.96	10.36	49.66	12.42	58.41	14.95	62.10	15.99	65.44	17.06	74.87	19.83	82.16	22.15
	18	41.96	10.57	49.66	12.72	58.41	15.18	62.10	16.34	65.44	17.45	74.87	20.22	81.13	22.87
	20	41.96	10.79	49.66	12.99	58.41	15.47	62.10	16.70	65.44	18.03	74.87	21.82	79.89	23.97
	21	41.96	10.88	49.66	13.08	58.41	15.76	62.10	17.24	65.44	18.70	74.87	22.61	79.48	24.51
	23	41.96	11.06	49.66	13.60	58.41	16.86	62.10	18.47	65.44	20.10	74.87	24.21	78.24	25.55
	25	41.96	11.66	49.66	14.49	58.41	18.03	62.10	19.75	65.44	21.42	74.87	25.97	77.21	26.78
	27	41.96	12.43	49.66	15.44	58.41	19.22	62.10	21.08	65.44	22.95	74.87	27.77	75.98	27.81
	29	41.96	13.25	49.66	16.47	58.41	20.57	62.10	22.54	65.44	24.49	74.14	29.01	74.94	28.96
	31	41.96	14.06	49.66	17.58	58.41	21.90	62.10	23.98	65.44	26.14	72.89	30.13	73.71	30.16
	33	41.96	14.91	49.66	18.71	58.41	23.36	62.10	25.59	65.44	27.90	71.96	31.37	72.78	31.18
	35	41.96	15.83	49.66	19.87	58.41	24.81	62.10	27.30	65.44	29.73	70.71	32.41	71.54	32.44
	37	41.96	16.78	49.66	21.10	58.41	26.48	62.10	29.12	65.44	31.66	69.46	33.50	70.51	33.60
	39	41.96	17.88	49.66	22.48	58.41	28.17	62.10	31.02	65.44	33.69	68.42	34.71	69.27	34.63
41	41.96	18.42	49.66	23.52	58.41	29.11	62.10	31.74	65.44	33.89	67.90	35.59	68.86	35.48	
43	41.96	19.32	49.66	24.51	58.41	30.14	62.10	32.60	65.44	34.65	67.59	36.02	68.24	36.10	
46	41.96	20.54	49.66	25.77	58.41	31.49	62.10	33.63	65.44	35.60	67.17	36.39	67.21	36.58	
48	41.96	21.70	49.66	26.96	58.41	32.58	62.10	34.05	65.44	35.84	66.65	36.98	65.36	37.04	
50	37.76	19.97	44.70	24.81	52.57	29.95	55.89	31.42	58.90	33.11	59.99	34.06	58.82	34.15	
52	30.21	16.32	35.76	20.27	42.06	24.55	44.71	25.68	47.12	27.03	47.99	27.78	47.06	27.83	
55	21.15	11.69	25.03	14.51	29.44	17.55	31.30	18.36	32.98	19.35	33.59	19.92	32.94	19.99	
80%	-15	36.86	6.64	44.43	7.94	52.14	9.51	54.88	9.92	59.65	10.90	65.44	12.29	72.73	14.08
	-10	36.86	7.17	44.43	8.58	52.14	10.27	54.88	10.70	59.65	11.73	65.44	13.31	72.73	15.17
	-5	36.86	7.73	44.43	9.27	52.14	11.06	54.88	11.56	59.65	12.67	65.44	14.33	72.73	16.45
	-2	36.86	7.88	44.43	9.38	52.14	11.16	54.88	11.77	59.65	12.82	65.44	14.51	72.73	16.61
	0	36.86	8.00	44.43	9.47	52.14	11.34	54.88	11.88	59.65	13.01	65.44	14.71	72.73	16.81
	2	36.86	8.17	44.43	9.61	52.14	11.46	54.88	12.09	59.65	13.26	65.44	14.97	72.73	17.09
	4	36.86	8.30	44.43	9.79	52.14	11.71	54.88	12.36	59.65	13.50	65.44	15.24	72.73	17.37
	6	36.86	8.42	44.43	10.00	52.14	11.85	54.88	12.69	59.65	13.78	65.44	15.50	72.73	17.67
	8	36.86	8.58	44.43	10.24	52.14	12.14	54.88	12.84	59.65	14.09	65.44	15.75	72.73	18.03
	10	36.86	8.66	44.43	10.45	52.14	12.47	54.88	13.17	59.65	14.42	65.44	16.06	72.73	18.16
	12	36.86	8.80	44.43	10.64	52.14	12.70	54.88	13.47	59.65	14.66	65.44	16.36	72.73	18.51
	14	36.86	8.94	44.43	10.86	52.14	12.93	54.88	13.64	59.65	14.94	65.44	16.72	72.73	18.86
	16	36.86	9.07	44.43	11.02	52.14	13.18	54.88	13.89	59.65	15.25	65.44	17.00	72.73	19.24
	18	36.86	9.26	44.43	11.23	52.14	13.46	54.88	14.24	59.65	15.50	65.44	17.34	72.73	19.63
	20	36.86	9.43	44.43	11.49	52.14	13.71	54.88	14.49	59.65	15.80	65.44	17.97	72.73	20.93
	21	36.86	9.51	44.43	11.57	52.14	13.79	54.88	14.67	59.65	16.21	65.44	18.67	72.73	21.74
	23	36.86	9.67	44.43	11.81	52.14	14.45	54.88	15.56	59.65	17.28	65.44	20.02	72.73	23.31
	25	36.86	9.99	44.43	12.54	52.14	15.50	54.88	16.69	59.65	18.47	65.44	21.40	72.73	24.91
	27	36.86	10.65	44.43	13.33	52.14	16.45	54.88	17.76	59.65	19.75	65.44	22.86	72.73	26.74
	29	36.86	11.28	44.43	14.25	52.14	17.54	54.88	18.96	59.65	21.14	65.44	24.35	72.73	28.53
	31	36.86	11.97	44.43	15.14	52.14	18.72	54.88	20.14	59.65	22.51	65.44	26.06	71.50	29.66
	33	36.86	12.75	44.43	16.06	52.14	19.96	54.88	21.52	59.65	23.92	65.44	27.75	70.48	30.78
	35	36.86	13.55	44.43	17.10	52.14	21.22	54.88	22.86	59.65	25.49	65.44	29.52	69.25	31.79
	37	36.86	14.35	44.43	18.17	52.14	22.50	54.88	24.38	59.65	27.20	65.44	31.48	68.33	33.00
	39	36.86	15.17	44.43	19.39	52.14	24.04	54.88	25.93	59.65	28.89	65.44	33.53	67.10	34.06
41	36.86	15.50	44.43	19.52	52.14	24.33	54.88	26.59	59.65	29.49	65.44	34.52	66.69	34.69	
43	36.86	15.98	44.43	19.66	52.14	24.68	54.88	27.04	59.65	29.81	65.44	34.78	66.28	35.07	
46	36.86	16.46	44.43	19.96	52.14	25.11	54.88	27.62	59.65	30.33	65.44	35.15	65.47	35.64	
48	36.86	16.96	44.43	20.05	52.14	25.59	54.88	27.95	59.65	30.66	65.44	35.62	64.85	36.06	
50	33.17	15.61	39.99	18.41	46.93	23.46	49.39	25.77	53.68	28.22	58.90	32.65	58.37	33.28	
52	26.54	12.80	31.99	15.10	37.54	19.23	39.51	21.10	42.95	22.99	47.12	26.76	46.69	27.22	
55	18.57	9.13	22.39	10.80	26.28	13.78	27.66	15.07	30.06	16.49	32.98	19.15	32.69	19.47	

Abbreviations:  
 CR: Combination ratio  
 TC: Total capacity (kW)  
 PI: Power input (compressor + outdoor fan motor) (kW)  
 Notes:  
 Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.9: 24HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	32.64	6.01	38.55	6.95	45.24	7.96	47.97	8.45	51.10	9.03	57.67	10.42	63.62	11.88
	-10	32.64	6.47	38.55	7.52	45.24	8.59	47.97	9.14	51.10	9.75	57.67	11.25	63.62	12.81
	-5	32.64	7.02	38.55	8.12	45.24	9.29	47.97	9.88	51.10	10.52	57.67	12.16	63.62	13.85
	-2	32.64	7.07	38.55	8.14	45.24	9.36	47.97	10.04	51.10	10.72	57.67	12.35	63.62	14.06
	0	32.64	7.10	38.55	8.25	45.24	9.56	47.97	10.24	51.10	10.93	57.67	12.59	63.62	14.24
	2	32.64	7.15	38.55	8.30	45.24	9.72	47.97	10.44	51.10	11.11	57.67	12.84	63.62	14.44
	4	32.64	7.22	38.55	8.51	45.24	9.94	47.97	10.63	51.10	11.34	57.67	13.08	63.62	14.81
	6	32.64	7.34	38.55	8.63	45.24	10.17	47.97	10.97	51.10	11.61	57.67	13.31	63.62	15.08
	8	32.64	7.49	38.55	8.92	45.24	10.41	47.97	11.13	51.10	11.83	57.67	13.69	63.62	15.42
	10	32.64	7.63	38.55	9.06	45.24	10.69	47.97	11.40	51.10	12.16	57.67	13.97	63.62	15.58
	12	32.64	7.83	38.55	9.19	45.24	10.90	47.97	11.61	51.10	12.39	57.67	14.22	63.62	15.89
	14	32.64	7.94	38.55	9.32	45.24	11.08	47.97	11.78	51.10	12.59	57.67	14.47	63.62	16.16
	16	32.64	8.09	38.55	9.49	45.24	11.29	47.97	11.99	51.10	12.85	57.67	14.70	63.62	16.48
	18	32.64	8.21	38.55	9.70	45.24	11.48	47.97	12.24	51.10	13.06	57.67	15.00	63.62	16.79
	20	32.64	8.34	38.55	9.84	45.24	11.73	47.97	12.45	51.10	13.36	57.67	15.32	63.62	17.30
	21	32.64	8.43	38.55	9.93	45.24	11.80	47.97	12.55	51.10	13.46	57.67	15.57	63.62	17.88
	23	32.64	8.54	38.55	10.09	45.24	12.08	47.97	12.98	51.10	14.15	57.67	16.65	63.62	19.14
	25	32.64	8.72	38.55	10.53	45.24	12.80	47.97	13.89	51.10	15.05	57.67	17.81	63.62	20.51
	27	32.64	9.26	38.55	11.22	45.24	13.72	47.97	14.81	51.10	16.09	57.67	19.05	63.62	21.86
	29	32.64	9.81	38.55	11.93	45.24	14.56	47.97	15.75	51.10	17.17	57.67	20.25	63.62	23.44
	31	32.64	10.37	38.55	12.63	45.24	15.54	47.97	16.79	51.10	18.28	57.67	21.62	63.62	24.96
	33	32.64	11.01	38.55	13.43	45.24	16.50	47.97	17.82	51.10	19.40	57.67	22.99	63.62	26.63
	35	32.64	11.69	38.55	14.27	45.24	17.51	47.97	19.03	51.10	20.63	57.67	24.54	63.62	28.41
	37	32.64	12.29	38.55	15.08	45.24	18.62	47.97	20.17	51.10	21.98	57.67	26.14	63.62	30.22
	39	32.64	13.07	38.55	15.96	45.24	19.69	47.97	21.40	51.10	23.33	57.67	27.77	63.62	32.20
41	32.64	13.59	38.55	16.55	45.24	20.34	47.97	22.18	51.10	24.13	57.67	28.98	63.62	33.66	
43	32.64	14.72	38.55	17.69	45.24	21.19	47.97	23.28	51.10	24.77	57.67	30.00	63.62	34.59	
46	32.64	15.07	38.55	18.05	45.24	21.57	47.97	23.71	51.10	26.01	57.67	31.66	63.62	35.96	
48	32.64	15.36	38.55	18.21	45.24	21.86	47.97	24.16	51.10	26.72	57.67	33.01	63.62	36.84	
50	29.37	14.12	34.70	16.74	40.72	20.13	43.18	22.19	45.99	24.64	51.91	30.38	57.26	33.90	
52	23.50	11.54	27.76	13.69	32.57	16.47	34.54	18.19	36.79	20.09	41.52	24.90	45.81	27.68	
55	16.45	8.28	19.43	9.77	22.80	11.76	24.18	12.99	25.75	14.38	29.07	17.86	32.07	19.85	
60%	-15	27.54	5.04	33.72	5.99	38.84	6.93	41.40	7.33	44.59	8.02	50.06	8.99	55.69	10.33
	-10	27.54	5.46	33.72	6.47	38.84	7.47	41.40	7.94	44.59	8.66	50.06	9.75	55.69	11.20
	-5	27.54	5.89	33.72	7.01	38.84	8.06	41.40	8.58	44.59	9.38	50.06	10.51	55.69	12.06
	-2	27.54	5.93	33.72	7.10	38.84	8.21	41.40	8.68	44.59	9.47	50.06	10.67	55.69	12.14
	0	27.54	6.03	33.72	7.19	38.84	8.31	41.40	8.82	44.59	9.62	50.06	10.81	55.69	12.31
	2	27.54	6.12	33.72	7.36	38.84	8.49	41.40	9.00	44.59	9.76	50.06	11.02	55.69	12.48
	4	27.54	6.29	33.72	7.51	38.84	8.66	41.40	9.10	44.59	9.88	50.06	11.19	55.69	12.65
	6	27.54	6.36	33.72	7.65	38.84	8.82	41.40	9.28	44.59	10.11	50.06	11.46	55.69	12.97
	8	27.54	6.46	33.72	7.77	38.84	8.97	41.40	9.48	44.59	10.30	50.06	11.65	55.69	13.14
	10	27.54	6.61	33.72	7.94	38.84	9.12	41.40	9.74	44.59	10.51	50.06	11.86	55.69	13.37
	12	27.54	6.75	33.72	8.07	38.84	9.29	41.40	9.92	44.59	10.66	50.06	12.12	55.69	13.55
	14	27.54	6.82	33.72	8.22	38.84	9.40	41.40	10.07	44.59	10.87	50.06	12.32	55.69	13.83
	16	27.54	6.91	33.72	8.35	38.84	9.57	41.40	10.24	44.59	11.05	50.06	12.56	55.69	14.06
	18	27.54	7.04	33.72	8.47	38.84	9.75	41.40	10.41	44.59	11.28	50.06	12.76	55.69	14.36
	20	27.54	7.12	33.72	8.64	38.84	9.91	41.40	10.66	44.59	11.50	50.06	13.00	55.69	14.68
	21	27.54	7.20	33.72	8.67	38.84	10.03	41.40	10.69	44.59	11.58	50.06	13.16	55.69	14.81
	23	27.54	7.28	33.72	8.84	38.84	10.17	41.40	10.94	44.59	11.81	50.06	13.67	55.69	15.71
	25	27.54	7.41	33.72	8.98	38.84	10.59	41.40	11.46	44.59	12.52	50.06	14.55	55.69	16.79
	27	27.54	7.73	33.72	9.58	38.84	11.25	41.40	12.25	44.59	13.38	50.06	15.52	55.69	17.96
	29	27.54	8.15	33.72	10.15	38.84	12.00	41.40	13.02	44.59	14.21	50.06	16.58	55.69	19.16
	31	27.54	8.67	33.72	10.72	38.84	12.76	41.40	13.84	44.59	15.14	50.06	17.61	55.69	20.40
	33	27.54	9.13	33.72	11.37	38.84	13.51	41.40	14.69	44.59	16.14	50.06	18.72	55.69	21.69
	35	27.54	9.68	33.72	12.12	38.84	14.37	41.40	15.58	44.59	17.08	50.06	19.96	55.69	23.13
	37	27.54	10.24	33.72	12.78	38.84	15.20	41.40	16.50	44.59	18.16	50.06	21.24	55.69	24.59
	39	27.54	10.77	33.72	13.53	38.84	16.14	41.40	17.56	44.59	19.33	50.06	22.54	55.69	26.11
41	27.54	11.13	33.72	14.12	38.84	16.73	41.40	18.26	44.59	19.97	50.06	23.56	55.69	27.32	
43	27.54	11.50	33.72	14.73	38.84	17.31	41.40	18.77	44.59	20.69	50.06	24.58	55.69	28.50	
46	27.54	12.03	33.72	15.43	38.84	17.95	41.40	19.49	44.59	21.75	50.06	25.66	55.69	30.08	
48	27.54	12.46	33.72	16.14	38.84	18.64	41.40	19.93	44.59	22.52	50.06	26.62	55.69	31.57	
50	24.78	11.49	30.34	14.81	34.95	17.14	37.26	18.39	40.13	20.73	45.06	24.45	50.12	29.02	
52	19.83	9.38	24.28	12.14	27.96	13.98	29.81	15.03	32.11	17.00	36.05	20.06	40.09	23.81	
55	13.88	6.70	16.99	8.69	19.57	10.01	20.87	10.76	22.47	12.16	25.23	14.36	28.07	16.98	

**Abbreviations:**

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.9:24HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	23.12	4.40	27.83	5.13	32.58	5.97	34.17	6.12	37.19	6.59	40.84	7.32	45.96	7.98
	-10	23.12	4.75	27.83	5.55	32.58	6.43	34.17	6.60	37.19	7.10	40.84	7.90	45.96	8.64
	-5	23.12	5.13	27.83	5.98	32.58	6.95	34.17	7.13	37.19	7.67	40.84	8.55	45.96	9.34
	-2	23.12	5.17	27.83	6.11	32.58	7.03	34.17	7.22	37.19	7.82	40.84	8.65	45.96	9.44
	0	23.12	5.26	27.83	6.22	32.58	7.13	34.17	7.32	37.19	7.92	40.84	8.83	45.96	9.63
	2	23.12	5.32	27.83	6.29	32.58	7.26	34.17	7.44	37.19	8.06	40.84	8.86	45.96	9.81
	4	23.12	5.39	27.83	6.38	32.58	7.33	34.17	7.51	37.19	8.19	40.84	9.05	45.96	10.06
	6	23.12	5.49	27.83	6.49	32.58	7.46	34.17	7.68	37.19	8.34	40.84	9.19	45.96	10.35
	8	23.12	5.61	27.83	6.60	32.58	7.57	34.17	7.86	37.19	8.47	40.84	9.35	45.96	10.66
	10	23.12	5.74	27.83	6.69	32.58	7.71	34.17	7.96	37.19	8.73	40.84	9.62	45.96	10.86
	12	23.12	5.77	27.83	6.76	32.58	7.83	34.17	8.13	37.19	8.89	40.84	9.76	45.96	11.00
	14	23.12	5.86	27.83	6.84	32.58	7.94	34.17	8.32	37.19	9.00	40.84	9.94	45.96	11.25
	16	23.12	5.95	27.83	6.95	32.58	8.04	34.17	8.46	37.19	9.13	40.84	10.10	45.96	11.42
	18	23.12	6.04	27.83	7.08	32.58	8.19	34.17	8.59	37.19	9.30	40.84	10.27	45.96	11.63
	20	23.12	6.11	27.83	7.15	32.58	8.31	34.17	8.71	37.19	9.51	40.84	10.46	45.96	11.85
	21	23.12	6.15	27.83	7.23	32.58	8.41	34.17	8.77	37.19	9.56	40.84	10.56	45.96	11.98
	23	23.12	6.23	27.83	7.34	32.58	8.51	34.17	8.95	37.19	9.76	40.84	10.77	45.96	12.23
	25	23.12	6.31	27.83	7.44	32.58	8.72	34.17	9.14	37.19	10.04	40.84	11.30	45.96	13.05
	27	23.12	6.47	27.83	7.76	32.58	9.17	34.17	9.71	37.19	10.68	40.84	12.01	45.96	13.92
	29	23.12	6.78	27.83	8.17	32.58	9.75	34.17	10.32	37.19	11.39	40.84	12.79	45.96	14.81
	31	23.12	7.18	27.83	8.66	32.58	10.32	34.17	10.98	37.19	12.06	40.84	13.63	45.96	15.76
	33	23.12	7.63	27.83	9.16	32.58	10.98	34.17	11.61	37.19	12.79	40.84	14.48	45.96	16.77
	35	23.12	8.03	27.83	9.71	32.58	11.59	34.17	12.30	37.19	13.54	40.84	15.38	45.96	17.77
37	23.12	8.47	27.83	10.24	32.58	12.28	34.17	13.02	37.19	14.40	40.84	16.30	45.96	18.94	
39	23.12	8.95	27.83	10.82	32.58	13.00	34.17	13.78	37.19	15.23	40.84	17.28	45.96	20.10	
41	23.12	9.29	27.83	11.27	32.58	13.42	34.17	14.44	37.19	15.91	40.84	18.23	45.96	21.03	
43	23.12	9.92	27.83	12.05	32.58	13.89	34.17	15.09	37.19	16.28	40.84	19.16	45.96	21.97	
46	23.12	10.16	27.83	12.38	32.58	14.88	34.17	16.26	37.19	16.99	40.84	21.01	45.96	23.76	
48	23.12	10.32	27.83	12.69	32.58	15.67	34.17	17.28	37.19	17.78	40.84	22.59	45.96	25.57	
50	20.81	9.53	25.05	11.63	29.32	14.39	30.75	15.94	33.47	16.43	36.75	20.79	41.37	23.55	
52	16.64	7.78	20.04	9.52	23.46	11.78	24.60	13.06	26.78	13.38	29.40	17.02	33.09	19.25	
55	11.65	5.58	14.03	6.81	16.42	8.44	17.22	9.35	18.75	9.58	20.58	12.16	23.17	13.79	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table 2-8.10: 26HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	65.50	12.55	78.83	15.47	91.16	16.55	93.92	17.11	100.53	17.96	103.03	19.49	104.53	19.45
	-10	65.50	13.58	78.83	16.73	91.16	17.88	93.92	18.48	100.53	19.38	103.03	21.11	104.53	21.00
	-5	65.50	14.64	78.83	18.10	91.16	19.33	93.92	19.96	100.53	20.89	103.03	22.78	104.53	22.66
	-2	65.50	14.67	78.83	18.43	91.16	19.27	93.92	20.04	100.53	20.97	103.03	23.04	104.53	22.88
	0	65.50	14.91	78.83	18.71	91.16	20.01	93.92	21.15	100.53	22.19	103.03	23.35	104.53	23.21
	2	65.50	15.21	78.83	18.75	91.16	20.68	93.92	22.37	100.53	22.42	103.03	23.48	104.53	23.54
	4	65.50	15.53	78.83	19.12	91.16	21.46	93.92	22.42	100.53	22.73	103.03	23.88	104.53	23.98
	6	65.50	15.80	78.83	19.54	91.16	22.16	93.92	22.65	99.39	23.35	101.78	24.20	103.39	24.18
	8	65.50	16.21	78.83	19.97	91.16	23.30	93.92	23.73	98.14	24.21	100.63	24.35	102.05	24.44
	10	65.50	16.50	78.83	20.44	91.16	24.23	93.92	24.58	96.99	24.56	99.48	24.72	100.91	25.15
	12	65.50	16.82	78.83	20.83	91.16	24.67	92.60	24.94	95.84	24.96	98.13	25.07	99.57	25.33
	14	65.50	17.17	78.83	21.18	90.95	25.04	91.57	25.26	94.49	25.36	97.08	25.47	98.44	25.88
	16	65.50	17.45	78.83	21.61	89.82	25.41	90.25	25.53	93.14	26.10	95.73	25.84	97.10	26.26
	18	65.50	17.78	78.83	22.04	88.48	25.74	88.92	25.78	92.09	26.36	94.58	26.68	96.06	26.62
	20	65.50	18.19	78.83	23.45	87.14	27.09	87.80	26.96	90.74	27.72	93.23	27.91	94.72	28.02
	21	65.50	18.65	78.83	24.28	86.63	27.72	87.29	27.67	90.22	28.33	92.70	28.63	94.10	28.54
	23	65.50	20.03	78.83	26.06	85.60	28.90	85.96	28.92	88.76	29.61	91.35	29.91	92.76	29.89
	25	65.50	21.34	78.83	27.94	84.26	30.22	84.63	30.16	87.72	30.98	90.31	31.27	91.73	31.26
	27	65.50	22.83	78.83	29.84	83.13	31.55	83.61	31.46	86.36	32.29	88.85	32.55	90.39	32.60
	29	65.50	24.38	78.83	31.85	81.79	32.75	82.28	32.68	85.32	33.62	87.80	33.90	89.36	33.86
	31	65.50	26.00	78.52	33.77	80.46	34.06	81.16	33.95	83.97	34.81	86.45	35.30	87.91	35.22
	33	65.50	27.72	77.18	35.01	79.43	35.36	79.83	35.24	82.82	36.14	85.40	36.57	86.57	36.61
	35	65.50	29.55	75.84	36.27	78.09	36.61	78.81	36.47	81.47	37.54	84.05	37.94	85.54	37.93
	37	65.50	31.38	74.81	37.63	76.96	38.03	77.49	37.78	80.43	38.84	82.69	39.37	84.20	39.42
	39	65.50	33.38	73.47	37.98	75.62	39.18	76.36	39.23	79.07	40.25	81.55	40.69	83.17	40.79
	41	65.50	35.17	72.64	38.39	74.80	39.58	75.65	39.59	78.24	40.62	80.71	40.70	79.97	41.04
	43	65.50	36.16	72.13	38.65	74.49	39.62	75.24	39.62	77.41	40.68	79.25	40.93	78.94	41.21
	46	65.50	37.84	71.71	38.86	73.67	40.07	74.42	39.99	76.26	40.74	77.17	41.04	77.39	41.94
	48	65.50	39.19	71.51	40.26	72.43	40.48	73.20	40.29	75.32	41.26	75.08	41.71	75.63	42.06
	50	58.95	36.03	64.36	37.02	65.19	37.11	65.88	37.11	67.79	37.97	67.57	38.34	68.07	38.78
52	47.16	29.44	51.48	30.28	52.15	30.48	52.70	30.39	54.23	31.12	54.06	31.33	54.46	31.72	
55	33.01	21.11	36.04	21.69	36.51	21.77	36.89	21.66	37.96	22.25	37.84	22.47	38.12	22.75	
120%	-15	60.38	12.11	73.13	14.95	85.32	17.69	91.00	19.30	93.63	19.74	95.86	20.35	99.91	21.35
	-10	60.38	13.07	73.13	16.16	85.32	19.18	91.00	20.82	93.63	21.25	95.86	21.98	99.91	23.01
	-5	60.38	14.14	73.13	17.42	85.32	20.69	91.00	22.53	93.63	23.05	95.86	23.81	99.91	24.90
	-2	60.38	14.29	73.13	17.58	85.32	20.92	91.00	22.63	93.63	23.23	95.86	24.01	99.91	24.96
	0	60.38	14.37	73.13	17.71	85.32	21.12	91.00	22.71	93.63	23.53	95.86	24.13	99.91	25.06
	2	60.38	14.41	73.13	17.92	85.32	21.31	91.00	22.87	93.63	23.53	95.86	24.24	99.91	25.04
	4	60.38	14.59	73.13	18.18	85.32	21.59	91.00	23.07	93.63	23.86	95.86	24.28	99.91	25.15
	6	60.38	14.70	73.13	18.26	85.32	21.85	91.00	23.37	93.63	24.13	95.86	24.54	99.91	25.19
	8	60.38	14.85	73.13	18.51	85.32	22.15	91.00	23.60	93.63	24.34	95.86	24.64	99.91	25.33
	10	60.38	15.04	73.13	18.68	85.32	22.33	91.00	24.10	93.63	24.41	95.86	24.66	99.91	25.42
	12	60.38	15.31	73.13	19.02	85.32	22.81	91.00	24.56	92.30	24.47	94.43	24.50	98.55	25.68
	14	60.38	15.64	73.13	19.47	85.32	23.21	91.00	25.01	90.98	24.71	93.41	24.90	97.51	25.89
	16	60.38	15.90	73.13	19.87	85.32	23.60	90.48	25.48	89.85	25.00	92.08	25.29	96.16	26.30
	18	60.38	16.22	73.13	20.28	85.32	24.49	89.13	26.06	88.53	25.63	90.76	25.98	95.01	26.69
	20	60.38	16.51	73.13	21.01	85.32	26.29	87.99	27.30	87.51	26.92	89.74	27.16	93.66	27.96
	21	60.38	16.72	73.13	21.78	85.32	27.28	87.16	28.01	86.69	27.60	89.12	27.75	93.14	28.67
	23	60.38	17.86	73.13	23.38	85.32	29.12	86.12	29.13	85.57	28.82	87.80	29.14	91.78	29.96
	25	60.38	19.07	73.13	24.94	83.97	30.51	84.77	30.40	84.24	30.02	86.78	30.33	90.74	31.29
	27	60.38	20.39	73.13	26.68	82.82	31.62	83.73	31.73	83.22	31.29	85.45	31.70	89.39	32.59
	29	60.38	21.68	73.13	28.49	81.47	32.90	82.38	33.00	81.90	32.67	84.12	32.91	88.24	33.99
	31	60.38	23.10	73.13	30.38	80.11	34.33	81.23	34.41	80.88	33.83	83.00	34.28	86.89	35.26
	33	60.38	24.66	73.13	32.46	79.07	35.54	79.88	35.61	79.45	35.08	81.67	35.55	85.53	36.59
	35	60.38	26.21	73.13	34.59	77.72	36.89	78.53	36.95	78.43	36.53	80.65	36.84	84.49	38.00
	37	60.38	27.97	73.13	36.84	76.57	38.15	77.49	38.23	77.10	37.73	79.32	38.23	83.13	39.45
	39	60.38	29.64	72.82	38.96	75.22	39.47	76.14	39.56	75.78	39.15	78.20	39.46	81.99	40.83
	41	60.38	30.50	72.30	39.27	74.70	39.75	75.52	39.88	75.17	39.34	77.69	39.69	79.70	41.02
	43	60.38	31.04	71.89	39.43	74.07	40.03	74.90	39.99	74.66	39.44	76.36	39.79	78.45	41.88
	46	60.38	31.28	71.47	39.76	73.34	40.37	74.17	40.45	73.94	39.87	74.73	39.80	77.61	42.75
	48	60.38	31.61	70.85	40.23	72.40	40.72	72.92	40.56	73.13	40.22	73.61	40.26	76.57	43.32
	50	54.34	28.98	63.76	37.09	65.16	37.43	65.63	37.44	65.81	36.98	66.25	37.05	68.91	39.86
52	43.47	23.80	51.01	30.28	52.13	30.68	52.51	30.65	52.65	30.22	53.00	30.36	55.13	32.64	
55	30.43	16.98	35.71	21.70	36.49	21.92	36.75	21.85	36.86	21.59	37.10	21.67	38.59	23.36	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.10:26HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	55.39	10.59	67.34	13.44	76.59	15.68	83.42	17.20	89.16	18.59	95.57	19.19	95.97	19.41
	-10	55.39	11.43	67.34	14.52	76.59	16.95	83.42	18.57	89.16	20.08	95.57	20.74	95.97	21.03
	-5	55.39	12.34	67.34	15.66	76.59	18.31	83.42	20.08	89.16	21.69	95.57	22.40	95.97	22.67
	-2	55.39	12.58	67.34	15.86	76.59	18.48	83.42	20.20	89.16	21.79	95.57	22.66	95.97	22.76
	0	55.39	12.71	67.34	15.94	76.59	18.64	83.42	20.35	89.16	22.06	95.57	22.88	95.97	23.09
	2	55.39	13.03	67.34	16.09	76.59	18.88	83.42	20.57	89.16	22.32	95.57	23.17	95.97	23.32
	4	55.39	13.26	67.34	16.32	76.59	19.08	83.42	20.89	89.16	22.68	95.57	23.47	95.97	23.61
	6	55.39	13.36	67.34	16.51	76.59	19.25	83.42	21.22	89.16	22.94	95.57	23.76	95.97	23.97
	8	55.39	13.50	67.34	16.77	76.59	19.46	83.42	21.36	89.16	23.13	95.57	23.95	95.97	24.17
	10	55.39	13.69	67.34	16.97	76.59	19.77	83.42	21.74	89.16	23.56	95.57	24.09	95.97	24.34
	12	55.39	13.97	67.34	17.33	76.59	20.20	83.42	22.25	89.16	23.97	94.53	24.37	94.65	24.65
	14	55.39	14.19	67.34	17.63	76.59	20.55	83.42	22.60	89.16	24.47	93.18	24.66	93.63	24.93
	16	55.39	14.46	67.34	18.00	76.59	20.91	83.42	23.04	89.16	24.96	92.04	24.96	92.30	25.20
	18	55.39	14.77	67.34	18.30	76.59	21.40	83.42	23.72	89.16	26.15	90.69	26.24	91.18	25.97
	20	55.39	15.06	67.34	18.67	76.59	22.57	83.42	25.40	87.80	27.43	89.65	27.49	89.85	27.20
	21	55.39	15.17	67.34	19.25	76.59	23.44	83.42	26.41	87.28	28.07	88.82	28.10	89.34	27.80
	23	55.39	15.92	67.34	20.61	76.59	25.11	83.42	28.30	85.93	29.25	87.78	29.49	88.02	29.16
	25	55.39	17.00	67.34	22.07	76.59	26.84	83.42	30.28	84.78	30.47	86.43	30.74	87.00	30.38
	27	55.39	18.08	67.34	23.56	76.59	28.77	82.07	31.53	83.42	31.82	85.29	31.95	85.67	31.75
	29	55.39	19.24	67.34	25.11	76.59	30.76	81.03	32.88	82.38	33.18	83.94	33.31	84.55	33.06
	31	55.39	20.58	67.34	26.86	76.59	32.83	79.68	34.09	81.02	34.49	82.90	34.59	83.22	34.22
	33	55.39	21.89	67.34	28.60	76.08	34.54	78.53	35.36	79.98	35.72	81.55	35.85	82.20	35.63
	35	55.39	23.24	67.34	30.41	74.76	35.90	77.18	36.74	78.52	37.11	80.20	37.28	80.88	36.82
	37	55.39	24.74	67.34	32.38	73.64	37.14	76.14	38.02	77.17	38.41	79.05	38.57	79.55	38.28
	39	55.39	26.29	67.34	34.56	72.31	38.31	74.79	39.35	76.12	39.73	77.70	39.82	78.43	39.51
41	55.39	26.53	67.34	34.87	71.80	38.74	74.17	39.67	75.50	39.93	76.77	40.17	76.08	39.86	
43	55.39	26.78	67.34	35.32	71.19	38.97	73.55	39.94	74.98	40.21	76.04	40.24	74.96	40.58	
46	55.39	27.73	67.34	35.41	70.48	39.21	72.82	40.30	74.35	40.65	75.31	41.38	74.25	41.57	
48	55.39	28.61	67.34	38.33	69.46	39.44	71.68	40.46	73.41	41.02	74.07	41.56	73.23	41.93	
50	49.85	26.38	60.61	35.28	62.51	36.36	64.51	37.34	66.07	37.60	66.66	38.14	65.91	38.66	
52	39.88	21.58	48.48	28.94	50.01	29.69	51.61	30.54	52.86	30.82	53.33	31.20	52.72	31.50	
55	27.91	15.38	33.94	20.65	35.01	21.27	36.13	21.86	37.00	22.10	37.33	22.35	36.91	22.59	
100%	-15	49.64	9.49	59.11	11.47	69.66	13.80	73.00	14.67	78.16	15.80	87.91	18.05	93.95	19.05
	-10	49.64	10.26	59.11	12.38	69.66	14.94	73.00	15.83	78.16	17.13	87.91	19.46	93.95	20.59
	-5	49.64	11.09	59.11	13.37	69.66	16.13	73.00	17.08	78.16	18.44	87.91	21.06	93.95	22.26
	-2	49.64	11.25	59.11	13.52	69.66	16.32	73.00	17.40	78.16	18.69	87.91	21.32	93.95	22.36
	0	49.64	11.33	59.11	13.69	69.66	16.48	73.00	17.60	78.16	18.92	87.91	21.63	93.95	22.59
	2	49.64	11.54	59.11	13.86	69.66	16.63	73.00	17.88	78.16	19.07	87.91	21.93	93.95	22.92
	4	49.64	11.67	59.11	13.96	69.66	16.91	73.00	18.10	78.16	19.30	87.91	22.22	93.95	23.22
	6	49.64	11.79	59.11	14.29	69.66	17.14	73.00	18.44	78.16	19.59	87.91	22.52	93.95	23.52
	8	49.64	12.07	59.11	14.48	69.66	17.39	73.00	18.64	78.16	19.90	87.91	22.91	93.95	23.99
	10	49.64	12.16	59.11	14.76	69.66	17.71	73.00	18.96	78.16	20.29	87.91	23.21	93.95	24.33
	12	49.64	12.39	59.11	15.06	69.66	18.01	73.00	19.29	78.16	20.65	87.91	23.62	92.63	24.52
	14	49.64	12.64	59.11	15.32	69.66	18.36	73.00	19.69	78.16	21.02	87.91	24.09	91.51	24.76
	16	49.64	12.85	59.11	15.65	69.66	18.72	73.00	20.05	78.16	21.46	87.40	24.40	90.19	25.03
	18	49.64	13.06	59.11	15.93	69.66	19.08	73.00	20.44	78.16	21.89	86.40	25.21	89.17	25.66
	20	49.64	13.35	59.11	16.27	69.66	19.70	73.00	21.50	78.16	23.50	85.09	26.40	87.85	26.90
	21	49.64	13.47	59.11	16.38	69.66	20.36	73.00	22.29	78.16	24.36	84.59	27.07	87.34	27.61
	23	49.64	13.83	59.11	17.45	69.66	21.80	73.00	23.83	78.16	26.01	83.48	28.34	86.01	28.89
	25	49.64	14.69	59.11	18.68	69.66	23.36	73.00	25.59	78.16	27.86	82.17	29.58	84.89	30.05
	27	49.64	15.74	59.11	19.92	69.66	24.93	73.00	27.37	78.16	29.81	80.86	30.79	83.57	31.38
	29	49.64	16.69	59.11	21.25	69.66	26.68	73.00	29.24	77.86	31.69	79.85	32.01	82.55	32.70
	31	49.64	17.84	59.11	22.69	69.66	28.48	73.00	31.17	76.86	33.02	78.54	33.28	81.23	33.86
	33	49.64	18.90	59.11	24.14	69.66	30.33	73.00	33.24	75.55	34.16	77.44	34.52	80.11	35.16
	35	49.64	20.13	59.11	25.64	69.66	32.42	73.00	35.44	74.24	35.46	76.13	35.79	78.79	36.45
	37	49.64	21.42	59.11	27.33	69.66	34.45	71.70	36.74	73.13	36.72	75.12	37.12	77.46	37.82
	39	49.64	22.75	59.11	29.07	69.66	36.70	70.60	37.92	71.83	37.95	73.81	38.40	76.45	39.21
41	49.64	23.72	59.11	30.14	69.66	38.08	69.60	38.18	71.32	38.54	72.50	39.23	75.33	39.98	
43	49.64	24.83	59.11	31.19	69.66	38.78	68.50	38.70	70.82	38.95	72.90	39.41	74.00	40.30	
46	49.64	26.24	59.11	32.63	69.66	39.45	67.00	39.16	70.42	39.58	72.30	40.05	72.48	40.84	
48	49.64	27.42	59.11	33.78	69.66	39.44	64.20	39.68	70.32	40.32	67.87	40.46	70.95	41.26	
50	44.68	25.16	53.20	31.06	62.69	36.36	57.78	36.52	63.29	37.14	61.08	37.20	63.85	38.01	
52	35.74	20.62	42.56	25.43	50.15	29.69	46.22	29.87	50.63	30.32	48.87	30.55	51.08	31.15	
55	25.02	14.76	29.79	18.15	35.11	21.29	32.36	21.38	35.44	21.68	34.21	21.80	35.76	22.28	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.10: 26HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	45.23	8.54	54.43	10.33	63.46	12.19	68.45	13.44	72.13	14.18	79.98	16.09	88.83	18.43
	-10	45.23	9.23	54.43	11.15	63.46	13.15	68.45	14.52	72.13	15.33	79.98	17.36	88.83	19.87
	-5	45.23	9.93	54.43	12.02	63.46	14.20	68.45	15.67	72.13	16.49	79.98	18.74	88.83	21.48
	-2	45.23	10.05	54.43	12.18	63.46	14.42	68.45	15.92	72.13	16.72	79.98	18.96	88.83	21.71
	0	45.23	10.17	54.43	12.30	63.46	14.63	68.45	16.07	72.13	16.92	79.98	19.17	88.83	21.85
	2	45.23	10.37	54.43	12.45	63.46	14.82	68.45	16.33	72.13	17.23	79.98	19.51	88.83	22.22
	4	45.23	10.52	54.43	12.65	63.46	15.06	68.45	16.57	72.13	17.39	79.98	19.89	88.83	22.56
	6	45.23	10.64	54.43	12.89	63.46	15.35	68.45	16.83	72.13	17.76	79.98	20.12	88.83	22.94
	8	45.23	10.86	54.43	13.17	63.46	15.59	68.45	17.12	72.13	18.07	79.98	20.58	88.83	23.07
	10	45.23	11.04	54.43	13.46	63.46	15.94	68.45	17.33	72.13	18.46	79.98	20.76	88.83	23.43
	12	45.23	11.23	54.43	13.66	63.46	16.17	68.45	17.60	72.13	18.82	79.98	21.22	88.83	23.90
	14	45.23	11.43	54.43	13.89	63.46	16.49	68.45	17.95	72.13	19.09	79.98	21.60	88.83	24.38
	16	45.23	11.64	54.43	14.14	63.46	16.82	68.45	18.31	72.13	19.54	79.98	22.04	88.53	24.76
	18	45.23	11.82	54.43	14.45	63.46	17.16	68.45	18.68	72.13	19.92	79.98	22.49	87.51	25.51
	20	45.23	12.06	54.43	14.78	63.46	17.47	68.45	19.11	72.13	20.60	79.98	24.16	86.18	26.72
	21	45.23	12.18	54.43	14.85	63.46	17.79	68.45	19.71	72.13	21.39	79.98	24.98	85.67	27.42
	23	45.23	12.43	54.43	15.47	63.46	19.04	68.45	21.14	72.13	22.96	79.98	26.81	84.24	28.59
	25	45.23	13.10	54.43	16.53	63.46	20.39	68.45	22.57	72.13	24.52	79.98	28.66	83.22	29.96
	27	45.23	13.89	54.43	17.65	63.46	21.69	68.45	24.09	72.13	26.20	79.98	30.80	81.90	31.12
	29	45.23	14.82	54.43	18.76	63.46	23.13	68.45	25.72	72.13	28.03	79.17	32.07	80.88	32.34
	31	45.23	15.77	54.43	20.00	63.46	24.69	68.45	27.44	72.13	29.89	77.84	33.42	79.55	33.75
	33	45.23	16.70	54.43	21.25	63.46	26.37	68.45	29.26	72.13	31.80	76.72	34.62	78.43	34.93
	35	45.23	17.73	54.43	22.60	63.46	28.06	68.45	31.29	72.13	33.93	75.40	35.91	77.10	36.30
	37	45.23	18.80	54.43	24.08	63.46	29.87	68.45	33.29	72.13	36.17	74.07	37.16	76.08	37.49
	39	45.23	19.96	54.43	25.62	63.46	31.77	68.45	35.36	72.13	38.59	73.06	38.50	74.76	38.86
	41	45.23	20.63	54.43	26.78	63.46	32.96	68.45	36.36	72.13	38.86	72.55	39.40	74.25	39.82
	43	45.23	21.69	54.43	27.90	63.46	34.16	68.45	37.38	72.13	39.53	72.14	39.91	73.53	40.43
	46	45.23	23.09	54.43	29.35	63.46	35.44	68.45	38.59	72.13	40.62	71.73	40.49	72.41	40.98
	48	45.23	24.31	54.43	30.70	63.46	36.74	68.45	39.08	72.13	40.97	71.12	40.97	70.48	41.53
	50	40.70	22.43	48.98	28.23	57.11	33.91	61.60	36.00	64.91	37.74	64.01	37.63	63.43	38.07
52	32.56	18.35	39.19	23.11	45.69	27.66	49.28	29.42	51.93	30.96	51.21	30.78	50.74	31.14	
55	22.79	13.12	27.43	16.51	31.98	19.86	34.50	21.06	36.35	22.08	35.84	22.05	35.52	22.29	
80%	-15	40.18	7.52	48.91	9.06	56.78	10.76	60.09	11.26	64.84	12.28	71.50	13.96	79.17	15.89
	-10	40.18	8.09	48.91	9.81	56.78	11.62	60.09	12.15	64.84	13.26	71.50	15.05	79.17	17.22
	-5	40.18	8.76	48.91	10.57	56.78	12.52	60.09	13.13	64.84	14.30	71.50	16.29	79.17	18.58
	-2	40.18	8.88	48.91	10.72	56.78	12.63	60.09	13.34	64.84	14.48	71.50	16.41	79.17	18.79
	0	40.18	9.02	48.91	10.85	56.78	12.80	60.09	13.54	64.84	14.73	71.50	16.64	79.17	19.02
	2	40.18	9.24	48.91	10.99	56.78	12.97	60.09	13.77	64.84	15.01	71.50	17.03	79.17	19.35
	4	40.18	9.36	48.91	11.18	56.78	13.23	60.09	14.07	64.84	15.28	71.50	17.31	79.17	19.63
	6	40.18	9.54	48.91	11.47	56.78	13.42	60.09	14.41	64.84	15.51	71.50	17.53	79.17	19.93
	8	40.18	9.71	48.91	11.75	56.78	13.74	60.09	14.60	64.84	15.85	71.50	17.84	79.17	20.38
	10	40.18	9.77	48.91	12.00	56.78	14.09	60.09	15.02	64.84	16.27	71.50	18.26	79.17	20.56
	12	40.18	9.92	48.91	12.18	56.78	14.35	60.09	15.30	64.84	16.59	71.50	18.58	79.17	20.96
	14	40.18	10.13	48.91	12.42	56.78	14.60	60.09	15.51	64.84	16.86	71.50	18.91	79.17	21.37
	16	40.18	10.28	48.91	12.63	56.78	14.91	60.09	15.80	64.84	17.15	71.50	19.28	79.17	21.70
	18	40.18	10.48	48.91	12.89	56.78	15.16	60.09	16.16	64.84	17.53	71.50	19.67	79.17	22.18
	20	40.18	10.68	48.91	13.10	56.78	15.50	60.09	16.43	64.84	17.91	71.50	20.41	79.17	23.66
	21	40.18	10.74	48.91	13.24	56.78	15.62	60.09	16.66	64.84	18.27	71.50	21.16	79.17	24.53
	23	40.18	10.93	48.91	13.54	56.78	16.33	60.09	17.67	64.84	19.58	71.50	22.64	79.17	26.34
	25	40.18	11.29	48.91	14.38	56.78	17.51	60.09	18.97	64.84	20.90	71.50	24.23	79.17	28.14
	27	40.18	12.03	48.91	15.32	56.78	18.59	60.09	20.21	64.84	22.26	71.50	25.93	79.17	30.21
	29	40.18	12.77	48.91	16.30	56.78	19.88	60.09	21.49	64.84	23.83	71.50	27.57	79.17	32.33
	31	40.18	13.54	48.91	17.27	56.78	21.12	60.09	22.94	64.84	25.38	71.50	29.45	77.84	33.59
	33	40.18	14.42	48.91	18.36	56.78	22.52	60.09	24.45	64.84	27.05	71.50	31.48	76.82	34.71
	35	40.18	15.30	48.91	19.62	56.78	23.99	60.09	26.04	64.84	28.85	71.50	33.52	75.49	36.10
	37	40.18	16.24	48.91	20.73	56.78	25.45	60.09	27.71	64.84	30.67	71.50	35.68	74.36	37.37
	39	40.18	17.14	48.91	22.19	56.78	27.16	60.09	29.38	64.84	32.58	71.50	38.00	73.03	38.56
	41	40.18	17.53	48.91	22.31	56.78	27.53	60.09	30.16	64.84	33.23	71.50	38.96	72.62	39.32
	43	40.18	18.07	48.91	22.50	56.78	27.89	60.09	30.80	64.84	33.62	71.50	39.49	72.22	39.66
	46	40.18	18.55	48.91	22.81	56.78	28.43	60.09	31.42	64.84	34.21	71.50	39.85	71.30	40.36
	48	40.18	19.15	48.91	22.99	56.78	28.92	60.09	31.74	64.84	34.61	71.50	40.29	70.68	40.78
	50	36.17	17.62	44.02	21.12	51.10	26.56	54.08	29.32	58.36	31.75	64.35	37.12	63.61	37.67
52	28.93	14.43	35.21	17.26	40.88	21.69	43.26	23.91	46.69	26.00	51.48	30.27	50.89	30.82	
55	20.25	10.34	24.65	12.36	28.62	15.57	30.28	17.13	32.68	18.59	36.04	21.67	35.62	21.97	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.10:26HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	35.87	6.87	42.88	8.01	49.22	9.03	52.07	9.52	55.75	10.21	62.15	11.65	69.96	13.58
	-10	35.87	7.39	42.88	8.68	49.22	9.71	52.07	10.31	55.75	11.01	62.15	12.59	69.96	14.66
	-5	35.87	8.01	42.88	9.34	49.22	10.53	52.07	11.11	55.75	11.89	62.15	13.57	69.96	15.83
	-2	35.87	8.08	42.88	9.40	49.22	10.59	52.07	11.36	55.75	12.15	62.15	13.83	69.96	16.05
	0	35.87	8.09	42.88	9.51	49.22	10.81	52.07	11.57	55.75	12.33	62.15	14.11	69.96	16.22
	2	35.87	8.14	42.88	9.56	49.22	10.99	52.07	11.79	55.75	12.55	62.15	14.34	69.96	16.54
	4	35.87	8.24	42.88	9.82	49.22	11.19	52.07	12.00	55.75	12.85	62.15	14.60	69.96	16.92
	6	35.87	8.38	42.88	10.00	49.22	11.48	52.07	12.34	55.75	13.13	62.15	14.83	69.96	17.21
	8	35.87	8.53	42.88	10.28	49.22	11.77	52.07	12.55	55.75	13.40	62.15	15.28	69.96	17.55
	10	35.87	8.70	42.88	10.42	49.22	12.03	52.07	12.84	55.75	13.82	62.15	15.60	69.96	17.79
	12	35.87	8.94	42.88	10.56	49.22	12.30	52.07	13.08	55.75	14.02	62.15	15.90	69.96	18.07
	14	35.87	9.08	42.88	10.77	49.22	12.51	52.07	13.26	55.75	14.29	62.15	16.16	69.96	18.43
	16	35.87	9.24	42.88	10.98	49.22	12.73	52.07	13.51	55.75	14.58	62.15	16.46	69.96	18.76
	18	35.87	9.39	42.88	11.20	49.22	12.98	52.07	13.81	55.75	14.78	62.15	16.78	69.96	19.16
	20	35.87	9.52	42.88	11.37	49.22	13.21	52.07	14.05	55.75	15.09	62.15	17.14	69.96	19.73
	21	35.87	9.60	42.88	11.48	49.22	13.31	52.07	14.18	55.75	15.27	62.15	17.38	69.96	20.44
	23	35.87	9.76	42.88	11.67	49.22	13.63	52.07	14.63	55.75	16.03	62.15	18.69	69.96	21.84
	25	35.87	9.97	42.88	12.15	49.22	14.49	52.07	15.69	55.75	17.11	62.15	19.96	69.96	23.42
	27	35.87	10.57	42.88	12.94	49.22	15.48	52.07	16.70	55.75	18.22	62.15	21.34	69.96	25.03
	29	35.87	11.19	42.88	13.76	49.22	16.45	52.07	17.77	55.75	19.41	62.15	22.74	69.96	26.67
	31	35.87	11.85	42.88	14.54	49.22	17.48	52.07	18.93	55.75	20.69	62.15	24.21	69.96	28.50
	33	35.87	12.58	42.88	15.54	49.22	18.63	52.07	20.13	55.75	21.99	62.15	25.82	69.96	30.41
	35	35.87	13.31	42.88	16.41	49.22	19.75	52.07	21.39	55.75	23.39	62.15	27.52	69.96	32.36
	37	35.87	14.09	42.88	17.39	49.22	21.05	52.07	22.65	55.75	24.94	62.15	29.19	69.96	34.42
	39	35.87	14.88	42.88	18.44	49.22	22.32	52.07	24.11	55.75	26.51	62.15	31.11	69.96	36.66
41	35.87	15.57	42.88	19.12	49.22	22.91	52.07	24.91	55.75	27.29	62.15	32.33	69.96	38.33	
43	35.87	16.85	42.88	20.43	49.22	23.90	52.07	26.25	55.75	28.05	62.15	33.60	69.96	39.59	
46	35.87	17.17	42.88	20.85	49.22	24.38	52.07	26.73	55.75	29.52	62.15	35.29	69.96	41.07	
48	35.87	17.51	42.88	20.98	49.22	24.65	52.07	27.22	55.75	30.25	62.15	37.08	69.96	41.95	
50	32.28	16.09	38.59	19.31	44.30	22.68	46.86	24.95	50.17	27.81	55.94	34.09	62.96	38.64	
52	25.83	13.22	30.87	15.77	35.44	18.63	37.49	20.47	40.14	22.80	44.75	27.88	50.37	31.61	
55	18.08	9.46	21.61	11.29	24.81	13.28	26.24	14.62	28.10	16.35	31.33	19.94	35.26	22.69	
60%	-15	30.44	5.80	35.90	6.65	42.12	7.79	45.06	8.30	47.63	8.91	54.59	10.21	60.53	11.72
	-10	30.44	6.25	35.90	7.15	42.12	8.42	45.06	8.96	47.63	9.60	54.59	10.99	60.53	12.61
	-5	30.44	6.74	35.90	7.75	42.12	9.12	45.06	9.67	47.63	10.38	54.59	11.87	60.53	13.62
	-2	30.44	6.78	35.90	7.85	42.12	9.26	45.06	9.85	47.63	10.49	54.59	12.09	60.53	13.74
	0	30.44	6.90	35.90	7.95	42.12	9.37	45.06	9.93	47.63	10.65	54.59	12.28	60.53	13.88
	2	30.44	7.02	35.90	8.14	42.12	9.56	45.06	10.14	47.63	10.78	54.59	12.53	60.53	14.08
	4	30.44	7.21	35.90	8.31	42.12	9.74	45.06	10.28	47.63	10.97	54.59	12.72	60.53	14.27
	6	30.44	7.29	35.90	8.43	42.12	9.91	45.06	10.51	47.63	11.19	54.59	12.98	60.53	14.64
	8	30.44	7.42	35.90	8.61	42.12	10.13	45.06	10.68	47.63	11.41	54.59	13.20	60.53	14.83
	10	30.44	7.57	35.90	8.79	42.12	10.27	45.06	11.02	47.63	11.61	54.59	13.43	60.53	15.04
	12	30.44	7.70	35.90	8.93	42.12	10.47	45.06	11.21	47.63	11.80	54.59	13.72	60.53	15.35
	14	30.44	7.80	35.90	9.06	42.12	10.60	45.06	11.38	47.63	12.08	54.59	13.97	60.53	15.60
	16	30.44	7.92	35.90	9.19	42.12	10.83	45.06	11.60	47.63	12.23	54.59	14.21	60.53	15.93
	18	30.44	8.07	35.90	9.35	42.12	11.02	45.06	11.76	47.63	12.46	54.59	14.40	60.53	16.19
	20	30.44	8.15	35.90	9.56	42.12	11.21	45.06	11.99	47.63	12.74	54.59	14.75	60.53	16.56
	21	30.44	8.26	35.90	9.59	42.12	11.28	45.06	12.09	47.63	12.83	54.59	14.87	60.53	16.69
	23	30.44	8.36	35.90	9.81	42.12	11.48	45.06	12.33	47.63	13.07	54.59	15.50	60.53	17.80
	25	30.44	8.50	35.90	9.91	42.12	11.96	45.06	12.93	47.63	13.91	54.59	16.49	60.53	18.95
	27	30.44	8.83	35.90	10.54	42.12	12.73	45.06	13.79	47.63	14.78	54.59	17.56	60.53	20.25
	29	30.44	9.34	35.90	11.20	42.12	13.52	45.06	14.68	47.63	15.80	54.59	18.79	60.53	21.68
	31	30.44	9.92	35.90	11.87	42.12	14.33	45.06	15.65	47.63	16.79	54.59	19.98	60.53	23.03
	33	30.44	10.43	35.90	12.56	42.12	15.28	45.06	16.59	47.63	17.84	54.59	21.26	60.53	24.58
	35	30.44	11.07	35.90	13.38	42.12	16.15	45.06	17.61	47.63	18.91	54.59	22.61	60.53	26.06
	37	30.44	11.72	35.90	14.10	42.12	17.18	45.06	18.72	47.63	20.13	54.59	24.02	60.53	27.84
	39	30.44	12.33	35.90	14.97	42.12	18.15	45.06	19.82	47.63	21.34	54.59	25.49	60.53	29.62
41	30.44	12.74	35.90	15.58	42.12	18.82	45.06	20.55	47.63	22.17	54.59	26.70	60.53	30.93	
43	30.44	13.15	35.90	16.26	42.12	19.50	45.06	21.23	47.63	22.94	54.59	27.86	60.53	32.27	
46	30.44	13.75	35.90	17.09	42.12	20.28	45.06	22.05	47.63	24.03	54.59	29.11	60.53	34.02	
48	30.44	14.24	35.90	17.77	42.12	20.94	45.06	22.52	47.63	24.96	54.59	30.09	60.53	35.74	
50	27.40	13.16	32.31	16.35	37.91	19.33	40.56	20.72	42.87	22.97	49.13	27.77	54.48	32.79	
52	21.92	10.72	25.85	13.41	30.33	15.79	32.45	16.95	34.29	18.77	39.30	22.74	43.58	26.90	
55	15.34	7.69	18.09	9.59	21.23	11.29	22.71	12.14	24.01	13.48	27.51	16.26	30.51	19.22	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.10: 26HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	25.11	4.98	30.15	5.75	35.25	6.68	37.63	7.00	39.96	7.37	44.76	8.35	49.56	8.95
	-10	25.11	5.37	30.15	6.22	35.25	7.20	37.63	7.53	39.96	7.95	44.76	9.05	49.56	9.67
	-5	25.11	5.81	30.15	6.71	35.25	7.77	37.63	8.16	39.96	8.57	44.76	9.74	49.56	10.46
	-2	25.11	5.84	30.15	6.85	35.25	7.86	37.63	8.25	39.96	8.72	44.76	9.86	49.56	10.59
	0	25.11	5.94	30.15	6.97	35.25	7.98	37.63	8.38	39.96	8.82	44.76	10.06	49.56	10.75
	2	25.11	6.01	30.15	7.05	35.25	8.16	37.63	8.50	39.96	9.01	44.76	10.09	49.56	10.95
	4	25.11	6.07	30.15	7.18	35.25	8.23	37.63	8.57	39.96	9.18	44.76	10.34	49.56	11.25
	6	25.11	6.18	30.15	7.29	35.25	8.36	37.63	8.80	39.96	9.35	44.76	10.52	49.56	11.56
	8	25.11	6.35	30.15	7.39	35.25	8.49	37.63	8.96	39.96	9.48	44.76	10.66	49.56	11.97
	10	25.11	6.47	30.15	7.48	35.25	8.65	37.63	9.13	39.96	9.72	44.76	10.97	49.56	12.12
	12	25.11	6.52	30.15	7.60	35.25	8.78	37.63	9.31	39.96	9.92	44.76	11.12	49.56	12.34
	14	25.11	6.63	30.15	7.67	35.25	8.87	37.63	9.49	39.96	10.06	44.76	11.33	49.56	12.56
	16	25.11	6.71	30.15	7.78	35.25	9.01	37.63	9.65	39.96	10.22	44.76	11.51	49.56	12.74
	18	25.11	6.80	30.15	7.90	35.25	9.18	37.63	9.78	39.96	10.41	44.76	11.71	49.56	12.99
	20	25.11	6.89	30.15	8.02	35.25	9.33	37.63	9.96	39.96	10.60	44.76	11.90	49.56	13.27
	21	25.11	6.96	30.15	8.13	35.25	9.42	37.63	10.04	39.96	10.69	44.76	12.05	49.56	13.35
	23	25.11	7.04	30.15	8.23	35.25	9.53	37.63	10.25	39.96	10.90	44.76	12.25	49.56	13.65
	25	25.11	7.15	30.15	8.37	35.25	9.75	37.63	10.45	39.96	11.26	44.76	12.87	49.56	14.58
	27	25.11	7.29	30.15	8.69	35.25	10.31	37.63	11.11	39.96	11.94	44.76	13.71	49.56	15.59
	29	25.11	7.68	30.15	9.19	35.25	10.92	37.63	11.78	39.96	12.74	44.76	14.60	49.56	16.55
	31	25.11	8.09	30.15	9.69	35.25	11.56	37.63	12.52	39.96	13.46	44.76	15.55	49.56	17.60
	33	25.11	8.57	30.15	10.29	35.25	12.27	37.63	13.28	39.96	14.35	44.76	16.51	49.56	18.75
	35	25.11	9.05	30.15	10.85	35.25	12.95	37.63	14.05	39.96	15.17	44.76	17.50	49.56	19.95
	37	25.11	9.54	30.15	11.49	35.25	13.78	37.63	14.84	39.96	16.10	44.76	18.62	49.56	21.16
	39	25.11	10.09	30.15	12.12	35.25	14.49	37.63	15.73	39.96	17.05	44.76	19.75	49.56	22.49
41	25.11	10.51	30.15	12.65	35.25	15.05	37.63	16.52	39.96	17.79	44.76	20.71	49.56	23.52	
43	25.11	11.19	30.15	13.54	35.25	15.61	37.63	17.26	39.96	18.20	44.76	21.83	49.56	24.60	
46	25.11	11.44	30.15	13.90	35.25	16.65	37.63	18.54	39.96	19.03	44.76	23.89	49.56	26.59	
48	25.11	11.66	30.15	14.21	35.25	17.59	37.63	19.78	39.96	19.88	44.76	25.74	49.56	28.61	
50	22.60	10.75	27.13	13.05	31.73	16.15	33.86	18.18	35.96	18.33	40.28	23.75	44.61	26.33	
52	18.08	8.77	21.70	10.71	25.38	13.19	27.09	14.90	28.77	15.01	32.22	19.45	35.68	21.56	
55	12.66	6.28	15.19	7.65	17.77	9.46	18.96	10.68	20.14	10.74	22.56	13.91	24.98	15.46	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.11:28HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	70.44	11.52	85.24	14.29	98.28	15.16	101.05	15.64	108.10	16.39	108.16	17.41	113.51	17.97
	-10	70.44	12.42	85.24	15.39	98.28	16.37	101.05	16.92	108.10	17.77	108.16	18.84	113.51	19.41
	-5	70.44	13.40	85.24	16.65	98.28	17.73	101.05	18.29	108.10	19.17	108.16	20.31	113.51	21.00
	-2	70.44	13.42	85.24	16.94	98.28	17.73	101.05	18.32	108.10	19.15	108.16	20.61	113.51	21.18
	0	70.44	13.65	85.24	17.22	98.28	18.35	101.05	19.35	108.10	20.29	108.16	20.90	113.51	21.48
	2	70.44	13.86	85.24	17.27	98.28	18.99	101.05	20.46	108.10	20.48	108.16	20.99	113.51	21.77
	4	70.44	14.21	85.24	17.64	98.28	19.62	101.05	20.58	108.10	20.77	108.16	21.38	113.51	22.23
	6	70.44	14.46	85.24	17.94	98.28	20.33	101.05	20.71	106.80	21.40	106.79	21.66	112.21	22.40
	8	70.44	14.81	85.24	18.39	98.28	21.39	101.05	21.77	105.50	22.07	105.62	21.73	110.81	22.59
	10	70.44	15.13	85.24	18.77	98.28	22.20	101.05	22.48	104.31	22.48	104.46	22.11	109.51	23.23
	12	70.44	15.43	85.24	19.18	98.28	22.58	99.56	22.81	103.12	22.91	102.98	22.44	108.10	23.37
	14	70.44	15.69	85.24	19.48	97.96	22.94	98.50	23.08	101.60	23.19	101.92	22.69	106.91	23.95
	16	70.44	16.00	85.24	19.90	96.78	23.34	97.02	23.45	100.19	23.91	100.44	23.02	105.39	24.32
	18	70.44	16.31	85.24	20.28	95.39	23.63	95.64	23.58	99.00	24.13	99.27	23.79	104.31	24.65
	20	70.44	16.62	85.24	21.66	93.89	24.84	94.47	24.65	97.59	25.36	97.90	25.04	102.79	25.80
	21	70.44	17.04	85.24	22.34	93.35	25.42	93.83	25.23	96.94	25.89	97.26	25.60	102.25	26.41
	23	70.44	18.35	85.24	24.02	92.17	26.58	92.45	26.43	95.53	27.11	95.89	26.72	100.73	27.71
	25	70.44	19.59	85.24	25.66	90.78	27.69	90.97	27.55	94.34	28.36	94.72	27.88	99.54	28.93
	27	70.44	20.88	85.24	27.53	89.60	28.85	89.90	28.74	92.83	29.44	93.35	29.10	98.13	30.13
	29	70.44	22.32	85.24	29.41	88.10	29.98	88.42	29.92	91.74	30.78	92.18	30.29	96.94	31.32
	31	70.44	23.75	84.92	31.04	86.71	31.18	87.25	31.14	90.23	31.83	90.70	31.44	95.53	32.56
	33	70.44	25.35	83.52	32.27	85.53	32.47	85.87	32.30	89.03	33.18	89.64	32.76	94.02	33.83
	35	70.44	27.00	82.00	33.46	84.13	33.57	84.70	33.52	87.63	34.26	88.16	33.97	92.83	35.03
	37	70.44	28.78	80.93	34.72	82.96	34.82	83.32	34.69	86.43	35.52	86.78	35.23	91.42	36.44
	39	70.44	30.67	79.42	35.01	81.45	35.94	82.16	35.80	85.03	36.84	85.62	36.38	90.23	37.67
	41	70.44	32.22	78.66	35.42	80.60	36.38	81.31	36.10	84.16	37.11	84.77	36.43	86.76	38.05
	43	70.44	32.97	78.01	35.52	80.17	36.42	80.88	36.27	83.29	37.27	83.19	36.56	85.78	38.17
	46	70.44	34.71	77.58	35.89	79.31	36.78	80.03	36.51	81.99	37.41	80.96	36.70	84.05	38.85
	48	70.44	35.88	77.26	36.96	78.03	37.09	78.76	36.92	81.02	37.80	78.85	37.30	82.10	38.92
	50	63.40	33.01	69.53	34.08	70.22	34.07	70.88	33.87	72.92	34.76	70.96	34.26	73.89	35.92
	52	50.72	27.03	55.63	27.88	56.18	27.89	56.71	27.71	58.33	28.38	56.77	28.10	59.11	29.32
	55	35.50	19.31	38.94	19.95	39.32	19.97	39.69	19.89	40.83	20.31	39.74	20.04	41.38	20.95
120%	-15	65.59	11.20	77.80	13.55	91.74	16.26	97.76	17.66	100.53	18.04	105.17	19.07	107.45	19.52
	-10	65.59	12.12	77.80	14.61	91.74	17.49	97.76	19.00	100.53	19.48	105.17	20.56	107.45	21.09
	-5	65.59	13.09	77.80	15.76	91.74	18.95	97.76	20.58	100.53	21.04	105.17	22.18	107.45	22.84
	-2	65.59	13.18	77.80	15.97	91.74	19.14	97.76	20.72	100.53	21.31	105.17	22.41	107.45	22.85
	0	65.59	13.31	77.80	16.10	91.74	19.31	97.76	20.75	100.53	21.44	105.17	22.52	107.45	22.92
	2	65.59	13.37	77.80	16.23	91.74	19.49	97.76	20.89	100.53	21.54	105.17	22.73	107.45	23.01
	4	65.59	13.50	77.80	16.44	91.74	19.74	97.76	21.16	100.53	21.89	105.17	22.72	107.45	22.98
	6	65.59	13.62	77.80	16.55	91.74	20.02	97.76	21.40	100.53	22.06	105.17	22.94	107.45	23.10
	8	65.59	13.78	77.80	16.76	91.74	20.29	97.76	21.60	100.53	22.26	105.17	22.98	107.45	23.26
	10	65.59	13.95	77.80	16.94	91.74	20.47	97.76	22.00	100.53	22.28	105.17	23.06	107.45	23.27
	12	65.59	14.19	77.80	17.25	91.74	20.81	97.76	22.42	99.16	22.41	103.66	22.92	106.04	23.46
	14	65.59	14.46	77.80	17.60	91.74	21.23	97.76	22.92	97.67	22.55	102.47	23.29	104.85	23.70
	16	65.59	14.76	77.80	17.97	91.74	21.69	97.22	23.32	96.51	22.91	101.06	23.72	103.44	24.13
	18	65.59	15.02	77.80	18.34	91.74	22.35	95.71	23.77	95.13	23.47	99.54	24.22	102.25	24.45
	20	65.59	15.32	77.80	19.06	91.74	24.07	94.52	25.03	93.97	24.63	98.46	25.43	100.73	25.59
	21	65.59	15.41	77.80	19.67	91.74	24.92	93.66	25.61	93.12	25.14	97.81	26.01	100.19	26.20
	23	65.59	16.48	77.80	21.18	91.74	26.70	92.47	26.69	91.95	26.28	96.40	27.25	98.67	27.40
	25	65.59	17.66	77.80	22.58	90.23	27.85	91.07	27.92	90.58	27.51	95.21	28.32	97.59	28.70
	27	65.59	18.83	77.80	24.21	89.03	28.98	89.88	29.04	89.41	28.73	93.80	29.62	96.07	29.89
	29	65.59	20.06	77.80	25.86	87.63	30.23	88.48	30.18	88.03	29.87	92.28	30.87	94.88	31.02
	31	65.59	21.40	77.80	27.54	86.11	31.37	87.29	31.41	86.87	31.07	91.09	32.02	93.48	32.37
	33	65.59	22.76	77.80	29.42	85.03	32.56	85.78	32.55	85.39	32.12	89.68	33.31	91.96	33.59
	35	65.59	24.23	77.80	31.36	83.51	33.73	84.38	33.82	84.22	33.28	88.49	34.53	90.88	34.79
	37	65.59	25.84	77.80	33.44	82.32	34.92	83.19	35.07	82.84	34.50	87.08	35.72	89.36	36.09
	39	65.59	27.46	77.48	35.31	80.91	36.10	81.79	36.25	81.47	35.73	85.89	36.91	88.17	37.23
	41	65.59	28.27	76.84	35.53	80.26	36.45	81.14	36.50	80.83	36.01	85.24	37.12	85.68	37.58
	43	65.59	28.63	76.52	35.71	79.61	36.64	80.49	36.54	80.19	36.03	83.73	37.22	84.38	38.33
	46	65.59	29.03	76.09	36.11	78.85	36.99	79.63	36.95	79.45	36.31	82.10	37.30	83.51	39.17
	48	65.59	29.17	75.45	36.55	77.88	37.31	78.34	37.13	78.61	36.65	80.80	37.72	82.43	39.69
	50	59.03	26.81	67.90	33.50	70.09	34.27	70.50	34.20	70.74	33.79	72.72	34.58	74.18	36.53
	52	47.23	21.98	54.32	27.51	56.07	28.11	56.40	27.95	56.60	27.61	58.18	28.34	59.35	29.85
	55	33.06	15.76	38.03	19.67	39.25	20.12	39.48	20.00	39.62	19.76	40.72	20.33	41.54	21.41

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.11: 28HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	60.07	9.78	71.70	12.20	84.00	14.70	89.67	15.68	94.65	16.78	102.92	17.61	103.98	17.92
	-10	60.07	10.58	71.70	13.15	84.00	15.82	89.67	16.95	94.65	18.09	102.92	19.00	103.98	19.40
	-5	60.07	11.43	71.70	14.22	84.00	17.09	89.67	18.31	94.65	19.61	102.92	20.56	103.98	20.93
	-2	60.07	11.64	71.70	14.37	84.00	17.27	89.67	18.48	94.65	19.70	102.92	20.76	103.98	21.04
	0	60.07	11.73	71.70	14.48	84.00	17.40	89.67	18.61	94.65	19.93	102.92	20.97	103.98	21.31
	2	60.07	11.97	71.70	14.65	84.00	17.65	89.67	18.85	94.65	20.12	102.92	21.27	103.98	21.56
	4	60.07	12.23	71.70	14.77	84.00	17.86	89.67	19.02	94.65	20.42	102.92	21.50	103.98	21.72
	6	60.07	12.35	71.70	14.95	84.00	18.00	89.67	19.33	94.65	20.65	102.92	21.75	103.98	22.07
	8	60.07	12.47	71.70	15.19	84.00	18.18	89.67	19.53	94.65	20.95	102.92	21.88	103.98	22.31
	10	60.07	12.63	71.70	15.42	84.00	18.43	89.67	19.92	94.65	21.27	102.92	22.01	103.98	22.54
	12	60.07	12.88	71.70	15.73	84.00	18.78	89.67	20.35	94.65	21.69	101.73	22.39	102.59	22.79
	14	60.07	13.09	71.70	15.96	84.00	19.18	89.67	20.65	94.65	22.07	100.32	22.51	101.42	22.96
	16	60.07	13.32	71.70	16.31	84.00	19.54	89.67	21.12	94.65	22.56	99.13	22.78	100.03	23.25
	18	60.07	13.61	71.70	16.64	84.00	19.98	89.67	21.66	94.65	23.61	97.62	24.04	98.85	23.94
	20	60.07	13.90	71.70	16.93	84.00	21.10	89.67	23.28	93.26	24.80	96.54	25.21	97.36	25.10
	21	60.07	13.97	71.70	17.41	84.00	21.86	89.67	24.13	92.73	25.35	95.57	25.80	96.82	25.68
	23	60.07	14.64	71.70	18.68	84.00	23.50	89.67	25.88	91.23	26.41	94.49	26.91	95.43	26.82
	25	60.07	15.62	71.70	19.99	84.00	25.07	89.67	27.68	90.05	27.54	92.97	28.11	94.26	28.01
	27	60.07	16.68	71.70	21.42	84.00	26.86	88.16	28.84	88.66	28.76	91.78	29.28	92.76	29.23
	29	60.07	17.80	71.70	22.81	84.00	28.65	86.97	30.09	87.48	30.00	90.38	30.53	91.69	30.38
	31	60.07	18.91	71.70	24.32	84.00	30.59	85.57	31.23	86.09	31.09	89.19	31.69	90.20	31.61
	33	60.07	20.20	71.70	25.88	83.35	32.31	84.38	32.34	84.91	32.22	87.78	32.85	89.02	32.87
	35	60.07	21.47	71.70	27.62	81.95	33.39	82.98	33.57	83.41	33.48	86.27	34.16	87.63	34.01
	37	60.07	22.85	71.70	29.44	80.76	34.66	81.79	34.80	82.02	34.65	85.08	35.38	86.14	35.21
	39	60.07	24.25	71.70	31.27	79.24	35.77	80.28	35.91	80.84	35.81	83.68	36.59	84.96	36.45
	41	60.07	24.45	71.70	31.64	78.70	36.02	79.63	36.16	80.20	36.03	82.59	36.84	82.50	36.73
	43	60.07	24.80	71.70	32.05	78.05	36.38	79.09	36.52	79.66	36.38	81.84	36.94	81.22	37.49
	46	60.07	25.55	71.70	32.23	77.30	36.72	78.23	36.89	78.91	36.72	81.08	38.03	80.47	38.43
48	60.07	26.39	71.70	34.75	76.11	36.81	76.93	37.03	78.06	36.93	79.68	37.94	79.40	38.69	
50	54.06	24.34	64.53	32.04	68.50	33.94	69.24	34.11	70.25	34.08	71.71	34.95	71.46	35.53	
52	43.25	19.91	51.63	26.26	54.80	27.71	55.39	27.85	56.20	27.85	57.37	28.62	57.17	29.09	
55	30.27	14.23	36.14	18.78	38.36	19.83	38.77	19.97	39.34	19.98	40.16	20.50	40.02	20.88	
100%	-15	53.40	8.69	63.49	10.48	74.72	12.63	78.50	13.42	84.84	14.63	95.38	16.70	99.99	17.21
	-10	53.40	9.42	63.49	11.29	74.72	13.61	78.50	14.48	84.84	15.77	95.38	17.97	99.99	18.66
	-5	53.40	10.13	63.49	12.23	74.72	14.73	78.50	15.65	84.84	17.04	95.38	19.41	99.99	20.11
	-2	53.40	10.28	63.49	12.38	74.72	14.84	78.50	15.94	84.84	17.30	95.38	19.65	99.99	20.28
	0	53.40	10.40	63.49	12.49	74.72	15.03	78.50	16.12	84.84	17.40	95.38	20.04	99.99	20.47
	2	53.40	10.61	63.49	12.70	74.72	15.24	78.50	16.35	84.84	17.67	95.38	20.31	99.99	20.75
	4	53.40	10.68	63.49	12.80	74.72	15.45	78.50	16.59	84.84	17.90	95.38	20.51	99.99	21.02
	6	53.40	10.84	63.49	13.05	74.72	15.66	78.50	16.86	84.84	18.16	95.38	20.83	99.99	21.33
	8	53.40	11.05	63.49	13.22	74.72	15.92	78.50	17.10	84.84	18.38	95.38	21.13	99.99	21.75
	10	53.40	11.14	63.49	13.51	74.72	16.20	78.50	17.39	84.84	18.74	95.38	21.50	99.99	22.01
	12	53.40	11.32	63.49	13.79	74.72	16.45	78.50	17.68	84.84	19.07	95.38	21.81	98.52	22.16
	14	53.40	11.55	63.49	14.01	74.72	16.80	78.50	18.01	84.84	19.44	95.38	22.27	97.37	22.43
	16	53.40	11.78	63.49	14.27	74.72	17.10	78.50	18.40	84.84	19.89	94.85	22.52	96.01	22.76
	18	53.40	12.01	63.49	14.54	74.72	17.43	78.50	18.75	84.84	20.24	93.69	23.26	94.86	23.23
	20	53.40	12.20	63.49	14.86	74.72	17.98	78.50	19.71	84.84	21.68	92.32	24.40	93.39	24.38
	21	53.40	12.36	63.49	14.99	74.72	18.66	78.50	20.37	84.84	22.43	91.68	24.92	92.87	25.02
	23	53.40	12.65	63.49	15.95	74.72	19.94	78.50	21.81	84.84	24.07	90.52	26.07	91.51	26.05
	25	53.40	13.50	63.49	17.05	74.72	21.41	78.50	23.43	84.84	25.81	89.15	27.22	90.35	27.26
	27	53.40	14.40	63.49	18.20	74.72	22.87	78.50	25.03	84.84	27.56	87.78	28.35	88.89	28.42
	29	53.40	15.29	63.49	19.42	74.72	24.32	78.50	26.73	84.52	29.33	86.61	29.62	87.84	29.52
	31	53.40	16.28	63.49	20.77	74.72	25.97	78.50	28.56	83.36	30.42	85.14	30.68	86.38	30.79
	33	53.40	17.28	63.49	22.07	74.72	27.69	78.50	30.46	81.99	31.62	83.97	31.82	85.22	31.96
	35	53.40	18.41	63.49	23.42	74.72	29.59	78.50	32.44	80.51	32.73	82.60	33.04	83.86	33.04
	37	53.40	19.53	63.49	25.02	74.72	31.50	77.04	33.60	79.35	33.91	81.44	34.32	82.40	34.22
	39	53.40	20.77	63.49	26.61	74.72	33.50	76.00	34.78	77.98	34.99	80.07	35.47	81.35	35.36
	41	53.40	21.78	63.49	27.47	74.72	34.73	74.76	34.99	77.35	35.56	78.69	36.16	80.09	36.13
	43	53.40	22.75	63.49	28.44	74.72	35.47	73.61	35.39	76.82	35.98	79.11	36.43	78.73	36.56
	46	53.40	24.05	63.49	29.85	74.72	36.04	72.05	35.88	76.40	36.56	78.48	36.96	77.16	37.05
48	53.40	25.08	63.49	30.86	74.72	36.03	69.04	36.29	76.29	37.20	73.62	37.42	75.49	37.47	
50	48.06	23.03	57.14	28.37	67.25	33.13	62.13	33.40	68.66	34.27	66.26	34.47	67.94	34.34	
52	38.44	18.92	45.71	23.16	53.80	27.12	49.71	27.34	54.93	28.09	53.01	28.19	54.35	28.09	
55	26.91	13.49	32.00	16.58	37.66	19.45	34.80	19.57	38.45	20.02	37.11	20.12	38.05	20.17	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.11:28HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	49.51	7.96	58.51	9.43	68.76	11.24	72.25	12.04	76.82	12.85	87.95	15.08	95.45	16.82
	-10	49.51	8.59	58.51	10.18	68.76	12.14	72.25	13.02	76.82	13.89	87.95	16.27	95.45	18.19
	-5	49.51	9.29	58.51	11.04	68.76	13.13	72.25	14.06	76.82	14.96	87.95	17.54	95.45	19.64
	-2	49.51	9.35	58.51	11.13	68.76	13.32	72.25	14.27	76.82	15.15	87.95	17.77	95.45	19.85
	0	49.51	9.51	58.51	11.26	68.76	13.47	72.25	14.44	76.82	15.34	87.95	17.97	95.45	20.04
	2	49.51	9.65	58.51	11.42	68.76	13.62	72.25	14.67	76.82	15.61	87.95	18.32	95.45	20.32
	4	49.51	9.79	58.51	11.55	68.76	13.86	72.25	14.86	76.82	15.80	87.95	18.55	95.45	20.64
	6	49.51	9.94	58.51	11.82	68.76	14.13	72.25	15.14	76.82	16.05	87.95	18.89	95.45	20.92
	8	49.51	10.13	58.51	12.03	68.76	14.39	72.25	15.34	76.82	16.37	87.95	19.19	95.45	21.14
	10	49.51	10.32	58.51	12.27	68.76	14.68	72.25	15.55	76.82	16.69	87.95	19.46	95.45	21.50
	12	49.51	10.51	58.51	12.49	68.76	14.93	72.25	15.80	76.82	17.00	87.95	19.85	95.45	21.92
	14	49.51	10.65	58.51	12.75	68.76	15.21	72.25	16.18	76.82	17.36	87.95	20.22	95.45	22.23
	16	49.51	10.87	58.51	12.96	68.76	15.54	72.25	16.46	76.82	17.69	87.95	20.63	95.13	22.71
	18	49.51	11.03	58.51	13.25	68.76	15.78	72.25	16.77	76.82	18.08	87.95	20.99	93.97	23.42
	20	49.51	11.23	58.51	13.52	68.76	16.12	72.25	17.10	76.82	18.68	87.95	22.55	92.59	24.52
	21	49.51	11.35	58.51	13.61	68.76	16.41	72.25	17.69	76.82	19.37	87.95	23.41	91.95	25.10
	23	49.51	11.55	58.51	14.19	68.76	17.54	72.25	19.00	76.82	20.81	87.95	25.10	90.58	26.25
	25	49.51	12.20	58.51	15.16	68.76	18.79	72.25	20.34	76.82	22.20	87.95	26.94	89.41	27.37
	27	49.51	12.98	58.51	16.10	68.76	20.05	72.25	21.68	76.82	23.73	87.95	28.81	87.93	28.55
	29	49.51	13.83	58.51	17.19	68.76	21.37	72.25	23.18	76.82	25.42	87.08	30.14	86.87	29.64
	31	49.51	14.68	58.51	18.33	68.76	22.78	72.25	24.71	76.82	27.04	85.57	31.23	85.39	30.77
	33	49.51	15.59	58.51	19.43	68.76	24.29	72.25	26.29	76.82	28.86	84.38	32.51	84.22	32.04
	35	49.51	16.57	58.51	20.73	68.76	25.86	72.25	28.08	76.82	30.85	82.97	33.59	82.84	33.10
	37	49.51	17.54	58.51	22.05	68.76	27.52	72.25	29.88	76.82	32.88	81.45	34.85	81.68	34.28
	39	49.51	18.66	58.51	23.45	68.76	29.34	72.25	31.77	76.82	34.92	80.37	35.97	80.30	35.44
41	49.51	19.30	58.51	24.51	68.76	30.43	72.25	32.65	76.82	35.12	79.72	36.96	79.77	36.31	
43	49.51	20.21	58.51	25.54	68.76	31.41	72.25	33.55	76.82	35.94	79.39	37.36	79.03	36.87	
46	49.51	21.51	58.51	26.77	68.76	32.67	72.25	34.64	76.82	36.90	78.96	37.90	77.86	37.43	
48	49.51	22.64	58.51	28.11	68.76	33.90	72.25	34.98	76.82	37.25	78.20	38.28	75.75	37.91	
50	44.56	20.84	52.66	25.77	61.88	31.28	65.02	32.19	69.14	34.31	70.38	35.29	68.17	34.88	
52	35.65	17.04	42.13	21.12	49.50	25.52	52.02	26.41	55.31	27.96	56.31	28.81	54.54	28.51	
55	24.95	12.21	29.49	15.15	34.65	18.30	36.41	18.88	38.72	20.07	39.41	20.62	38.18	20.38	
80%	-15	43.54	6.93	52.53	8.30	59.92	9.63	64.55	10.31	69.55	11.21	76.82	12.74	85.10	14.53
	-10	43.54	7.47	52.53	8.95	59.92	10.40	64.55	11.11	69.55	12.11	76.82	13.75	85.10	15.70
	-5	43.54	8.10	52.53	9.67	59.92	11.24	64.55	12.02	69.55	13.12	76.82	14.86	85.10	16.97
	-2	43.54	8.21	52.53	9.81	59.92	11.32	64.55	12.21	69.55	13.21	76.82	15.05	85.10	17.19
	0	43.54	8.37	52.53	9.91	59.92	11.48	64.55	12.37	69.55	13.48	76.82	15.24	85.10	17.37
	2	43.54	8.49	52.53	10.07	59.92	11.66	64.55	12.58	69.55	13.69	76.82	15.51	85.10	17.75
	4	43.54	8.67	52.53	10.26	59.92	11.86	64.55	12.91	69.55	13.95	76.82	15.80	85.10	17.92
	6	43.54	8.80	52.53	10.46	59.92	12.05	64.55	13.18	69.55	14.21	76.82	16.04	85.10	18.26
	8	43.54	8.97	52.53	10.74	59.92	12.36	64.55	13.39	69.55	14.52	76.82	16.27	85.10	18.58
	10	43.54	9.06	52.53	10.98	59.92	12.64	64.55	13.69	69.55	14.83	76.82	16.69	85.10	18.78
	12	43.54	9.17	52.53	11.15	59.92	12.89	64.55	13.95	69.55	15.14	76.82	17.00	85.10	19.19
	14	43.54	9.35	52.53	11.35	59.92	13.12	64.55	14.21	69.55	15.41	76.82	17.29	85.10	19.55
	16	43.54	9.47	52.53	11.55	59.92	13.38	64.55	14.45	69.55	15.73	76.82	17.66	85.10	19.84
	18	43.54	9.67	52.53	11.80	59.92	13.65	64.55	14.80	69.55	15.98	76.82	17.97	85.10	20.22
	20	43.54	9.85	52.53	11.99	59.92	13.89	64.55	15.07	69.55	16.36	76.82	18.69	85.10	21.72
	21	43.54	9.93	52.53	12.08	59.92	14.05	64.55	15.23	69.55	16.72	76.82	19.31	85.10	22.47
	23	43.54	10.11	52.53	12.35	59.92	14.66	64.55	16.18	69.55	17.84	76.82	20.66	85.10	24.06
	25	43.54	10.41	52.53	13.11	59.92	15.69	64.55	17.34	69.55	19.03	76.82	22.14	85.10	25.79
	27	43.54	11.07	52.53	13.97	59.92	16.74	64.55	18.51	69.55	20.35	76.82	23.62	85.10	27.55
	29	43.54	11.79	52.53	14.91	59.92	17.87	64.55	19.69	69.55	21.75	76.82	25.31	85.10	29.48
	31	43.54	12.49	52.53	15.85	59.92	19.02	64.55	20.92	69.55	23.17	76.82	27.01	83.62	30.72
	33	43.54	13.35	52.53	16.79	59.92	20.24	64.55	22.38	69.55	24.74	76.82	28.81	82.55	31.83
	35	43.54	14.11	52.53	17.90	59.92	21.50	64.55	23.72	69.55	26.36	76.82	30.69	81.07	32.99
	37	43.54	14.98	52.53	19.03	59.92	22.92	64.55	25.26	69.55	28.02	76.82	32.73	79.90	34.04
	39	43.54	15.88	52.53	20.29	59.92	24.28	64.55	26.92	69.55	29.85	76.82	34.78	78.52	35.23
41	43.54	16.23	52.53	20.45	59.92	24.69	64.55	27.69	69.55	30.30	76.82	35.73	77.99	35.88	
43	43.54	16.71	52.53	20.58	59.92	25.04	64.55	28.05	69.55	30.73	76.82	36.04	77.56	36.34	
46	43.54	17.20	52.53	20.85	59.92	25.48	64.55	28.67	69.55	31.34	76.82	36.44	76.60	36.87	
48	43.54	17.71	52.53	20.96	59.92	25.86	64.55	29.14	69.55	31.49	76.82	36.85	75.97	37.37	
50	39.18	16.33	47.28	19.34	53.93	23.90	58.09	26.71	62.60	29.01	69.14	33.98	68.37	34.36	
52	31.35	13.33	37.82	15.79	43.14	19.49	46.47	21.85	50.08	23.80	55.31	27.69	54.70	28.11	
55	21.94	9.54	26.48	11.28	30.20	13.98	32.53	15.64	35.06	16.99	38.72	19.82	38.29	20.16	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.11: 28HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	37.75	6.12	45.61	7.26	52.33	8.15	56.20	8.78	60.86	9.48	68.35	10.90	74.99	12.40
	-10	37.75	6.62	45.61	7.83	52.33	8.80	56.20	9.46	60.86	10.24	68.35	11.75	74.99	13.34
	-5	37.75	7.15	45.61	8.48	52.33	9.52	56.20	10.21	60.86	11.08	68.35	12.72	74.99	14.45
	-2	37.75	7.22	45.61	8.51	52.33	9.58	56.20	10.41	60.86	11.29	68.35	12.93	74.99	14.66
	0	37.75	7.23	45.61	8.64	52.33	9.79	56.20	10.59	60.86	11.48	68.35	13.20	74.99	14.85
	2	37.75	7.29	45.61	8.66	52.33	9.94	56.20	10.79	60.86	11.68	68.35	13.43	74.99	15.07
	4	37.75	7.40	45.61	8.88	52.33	10.12	56.20	10.99	60.86	11.92	68.35	13.69	74.99	15.41
	6	37.75	7.49	45.61	9.06	52.33	10.42	56.20	11.34	60.86	12.19	68.35	13.91	74.99	15.73
	8	37.75	7.65	45.61	9.32	52.33	10.66	56.20	11.54	60.86	12.50	68.35	14.32	74.99	16.04
	10	37.75	7.81	45.61	9.43	52.33	10.94	56.20	11.76	60.86	12.78	68.35	14.61	74.99	16.20
	12	37.75	8.00	45.61	9.60	52.33	11.16	56.20	11.98	60.86	13.06	68.35	14.91	74.99	16.54
	14	37.75	8.14	45.61	9.76	52.33	11.30	56.20	12.19	60.86	13.26	68.35	15.18	74.99	16.87
	16	37.75	8.28	45.61	9.96	52.33	11.51	56.20	12.43	60.86	13.52	68.35	15.39	74.99	17.16
	18	37.75	8.38	45.61	10.13	52.33	11.76	56.20	12.64	60.86	13.74	68.35	15.71	74.99	17.49
	20	37.75	8.52	45.61	10.31	52.33	11.96	56.20	12.88	60.86	13.99	68.35	16.03	74.99	17.97
	21	37.75	8.63	45.61	10.40	52.33	12.08	56.20	13.02	60.86	14.17	68.35	16.30	74.99	18.64
	23	37.75	8.73	45.61	10.56	52.33	12.30	56.20	13.42	60.86	14.84	68.35	17.47	74.99	19.91
	25	37.75	8.90	45.61	11.02	52.33	13.10	56.20	14.38	60.86	15.89	68.35	18.71	74.99	21.34
	27	37.75	9.43	45.61	11.72	52.33	14.01	56.20	15.32	60.86	16.94	68.35	19.95	74.99	22.83
	29	37.75	10.04	45.61	12.41	52.33	14.89	56.20	16.36	60.86	18.02	68.35	21.29	74.99	24.32
	31	37.75	10.58	45.61	13.20	52.33	15.84	56.20	17.36	60.86	19.17	68.35	22.66	74.99	25.97
	33	37.75	11.28	45.61	14.02	52.33	16.85	56.20	18.41	60.86	20.47	68.35	24.18	74.99	27.74
	35	37.75	11.90	45.61	14.88	52.33	17.92	56.20	19.64	60.86	21.79	68.35	25.72	74.99	29.56
	37	37.75	12.60	45.61	15.76	52.33	19.05	56.20	20.84	60.86	23.19	68.35	27.33	74.99	31.48
	39	37.75	13.35	45.61	16.72	52.33	20.22	56.20	22.14	60.86	24.62	68.35	29.09	74.99	33.50
41	37.75	13.93	45.61	17.33	52.33	20.80	56.20	22.86	60.86	25.38	68.35	30.30	74.99	35.05	
43	37.75	15.08	45.61	18.51	52.33	21.69	56.20	24.15	60.86	26.07	68.35	31.37	74.99	36.14	
46	37.75	15.39	45.61	18.86	52.33	22.12	56.20	24.50	60.86	27.42	68.35	33.17	74.99	37.49	
48	37.75	15.67	45.61	19.04	52.33	22.39	56.20	24.99	60.86	28.19	68.35	34.62	74.99	38.41	
50	33.98	14.43	41.05	17.45	47.10	20.58	50.58	22.91	54.77	25.91	61.51	31.89	67.49	35.31	
52	27.18	11.82	32.84	14.30	37.68	16.84	40.47	18.78	43.82	21.18	49.21	26.03	53.99	28.85	
55	19.03	8.46	22.99	10.24	26.37	12.03	28.33	13.43	30.67	15.17	34.45	18.63	37.79	20.67	
60%	-15	32.41	5.24	39.31	6.20	45.69	7.22	49.02	7.68	52.27	8.31	58.48	9.31	64.48	10.60
	-10	32.41	5.66	39.31	6.67	45.69	7.78	49.02	8.31	52.27	8.96	58.48	10.04	64.48	11.46
	-5	32.41	6.11	39.31	7.21	45.69	8.41	49.02	8.98	52.27	9.71	58.48	10.87	64.48	12.40
	-2	32.41	6.16	39.31	7.32	45.69	8.56	49.02	9.11	52.27	9.78	58.48	11.03	64.48	12.43
	0	32.41	6.23	39.31	7.41	45.69	8.66	49.02	9.20	52.27	9.97	58.48	11.20	64.48	12.63
	2	32.41	6.36	39.31	7.58	45.69	8.82	49.02	9.39	52.27	10.07	58.48	11.39	64.48	12.75
	4	32.41	6.53	39.31	7.72	45.69	9.00	49.02	9.52	52.27	10.25	58.48	11.57	64.48	12.95
	6	32.41	6.59	39.31	7.89	45.69	9.17	49.02	9.71	52.27	10.43	58.48	11.82	64.48	13.25
	8	32.41	6.72	39.31	8.01	45.69	9.34	49.02	9.89	52.27	10.64	58.48	12.06	64.48	13.48
	10	32.41	6.87	39.31	8.18	45.69	9.51	49.02	10.19	52.27	10.87	58.48	12.28	64.48	13.65
	12	32.41	7.00	39.31	8.32	45.69	9.65	49.02	10.38	52.27	11.06	58.48	12.47	64.48	13.87
	14	32.41	7.06	39.31	8.43	45.69	9.81	49.02	10.54	52.27	11.25	58.48	12.73	64.48	14.16
	16	32.41	7.17	39.31	8.59	45.69	10.00	49.02	10.71	52.27	11.44	58.48	12.93	64.48	14.42
	18	32.41	7.30	39.31	8.71	45.69	10.18	49.02	10.90	52.27	11.65	58.48	13.15	64.48	14.72
	20	32.41	7.38	39.31	8.92	45.69	10.34	49.02	11.11	52.27	11.89	58.48	13.40	64.48	15.04
	21	32.41	7.47	39.31	8.96	45.69	10.43	49.02	11.20	52.27	12.00	58.48	13.56	64.48	15.13
	23	32.41	7.56	39.31	9.13	45.69	10.60	49.02	11.45	52.27	12.24	58.48	14.12	64.48	16.15
	25	32.41	7.70	39.31	9.27	45.69	10.99	49.02	12.01	52.27	12.99	58.48	15.02	64.48	17.20
	27	32.41	8.01	39.31	9.87	45.69	11.73	49.02	12.77	52.27	13.84	58.48	16.05	64.48	18.39
	29	32.41	8.43	39.31	10.45	45.69	12.53	49.02	13.58	52.27	14.75	58.48	17.10	64.48	19.65
	31	32.41	8.97	39.31	11.04	45.69	13.24	49.02	14.45	52.27	15.65	58.48	18.23	64.48	20.90
	33	32.41	9.46	39.31	11.76	45.69	14.04	49.02	15.36	52.27	16.67	58.48	19.33	64.48	22.20
	35	32.41	10.04	39.31	12.46	45.69	14.90	49.02	16.34	52.27	17.72	58.48	20.62	64.48	23.67
	37	32.41	10.60	39.31	13.20	45.69	15.83	49.02	17.34	52.27	18.75	58.48	21.91	64.48	25.22
	39	32.41	11.19	39.31	13.92	45.69	16.78	49.02	18.37	52.27	19.98	58.48	23.29	64.48	26.80
41	32.41	11.57	39.31	14.57	45.69	17.42	49.02	19.04	52.27	20.68	58.48	24.32	64.48	27.96	
43	32.41	11.93	39.31	15.13	45.69	18.03	49.02	19.69	52.27	21.42	58.48	25.45	64.48	29.17	
46	32.41	12.45	39.31	15.91	45.69	18.69	49.02	20.41	52.27	22.50	58.48	26.56	64.48	30.78	
48	32.41	12.91	39.31	16.57	45.69	19.41	49.02	20.88	52.27	23.34	58.48	27.51	64.48	32.31	
50	29.16	11.92	35.38	15.27	41.12	17.87	44.12	19.23	47.04	21.48	52.63	25.29	58.03	29.82	
52	23.33	9.74	28.31	12.53	32.89	14.60	35.29	15.75	37.63	17.54	42.11	20.71	46.42	24.32	
55	16.33	6.96	19.81	8.93	23.03	10.42	24.71	11.24	26.34	12.56	29.48	14.78	32.50	17.39	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table 2-8.11: 28HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	27.30	4.60	32.97	5.35	38.23	6.17	40.83	6.43	43.04	6.74	47.76	7.59	54.37	8.35
	-10	27.30	4.95	32.97	5.78	38.23	6.65	40.83	6.94	43.04	7.26	47.76	8.20	54.37	9.03
	-5	27.30	5.36	32.97	6.25	38.23	7.20	40.83	7.52	43.04	7.87	47.76	8.84	54.37	9.76
	-2	27.30	5.39	32.97	6.39	38.23	7.26	40.83	7.63	43.04	8.00	47.76	8.99	54.37	9.88
	0	27.30	5.49	32.97	6.47	38.23	7.39	40.83	7.73	43.04	8.10	47.76	9.12	54.37	10.05
	2	27.30	5.56	32.97	6.56	38.23	7.52	40.83	7.83	43.04	8.23	47.76	9.18	54.37	10.26
	4	27.30	5.60	32.97	6.69	38.23	7.61	40.83	7.94	43.04	8.40	47.76	9.41	54.37	10.50
	6	27.30	5.73	32.97	6.80	38.23	7.73	40.83	8.13	43.04	8.55	47.76	9.52	54.37	10.79
	8	27.30	5.85	32.97	6.89	38.23	7.86	40.83	8.29	43.04	8.66	47.76	9.67	54.37	11.15
	10	27.30	5.97	32.97	6.97	38.23	7.97	40.83	8.43	43.04	8.91	47.76	9.92	54.37	11.33
	12	27.30	6.02	32.97	7.08	38.23	8.10	40.83	8.59	43.04	9.08	47.76	10.14	54.37	11.53
	14	27.30	6.11	32.97	7.17	38.23	8.20	40.83	8.76	43.04	9.24	47.76	10.28	54.37	11.74
	16	27.30	6.20	32.97	7.23	38.23	8.32	40.83	8.91	43.04	9.35	47.76	10.49	54.37	11.90
	18	27.30	6.30	32.97	7.38	38.23	8.48	40.83	9.06	43.04	9.53	47.76	10.67	54.37	12.13
	20	27.30	6.37	32.97	7.47	38.23	8.62	40.83	9.18	43.04	9.72	47.76	10.81	54.37	12.33
	21	27.30	6.43	32.97	7.55	38.23	8.71	40.83	9.28	43.04	9.83	47.76	10.93	54.37	12.48
	23	27.30	6.50	32.97	7.64	38.23	8.84	40.83	9.46	43.04	9.97	47.76	11.14	54.37	12.79
	25	27.30	6.60	32.97	7.77	38.23	9.01	40.83	9.63	43.04	10.29	47.76	11.69	54.37	13.63
	27	27.30	6.74	32.97	8.11	38.23	9.53	40.83	10.26	43.04	10.94	47.76	12.48	54.37	14.52
	29	27.30	7.09	32.97	8.56	38.23	10.12	40.83	10.88	43.04	11.66	47.76	13.25	54.37	15.48
	31	27.30	7.48	32.97	9.06	38.23	10.70	40.83	11.58	43.04	12.36	47.76	14.10	54.37	16.50
33	27.30	7.95	32.97	9.58	38.23	11.38	40.83	12.23	43.04	13.10	47.76	14.95	54.37	17.48	
35	27.30	8.39	32.97	10.14	38.23	12.02	40.83	12.95	43.04	13.84	47.76	15.92	54.37	18.61	
37	27.30	8.81	32.97	10.71	38.23	12.71	40.83	13.69	43.04	14.70	47.76	16.90	54.37	19.74	
39	27.30	9.34	32.97	11.32	38.23	13.41	40.83	14.50	43.04	15.60	47.76	17.91	54.37	20.95	
41	27.30	9.69	32.97	11.78	38.23	13.93	40.83	15.21	43.04	16.29	47.76	18.87	54.37	21.91	
43	27.30	10.32	32.97	12.60	38.23	14.44	40.83	15.89	43.04	16.66	47.76	19.79	54.37	22.88	
46	27.30	10.57	32.97	12.93	38.23	15.40	40.83	17.13	43.04	17.44	47.76	21.76	54.37	24.87	
48	27.30	10.79	32.97	13.21	38.23	16.25	40.83	18.26	43.04	18.27	47.76	23.44	54.37	26.78	
50	24.57	9.93	29.68	12.19	34.41	14.97	36.74	16.82	38.74	16.79	42.99	21.57	48.94	24.65	
52	19.66	8.12	23.74	9.97	27.53	12.21	29.39	13.75	30.99	13.71	34.39	17.66	39.15	20.14	
55	13.76	5.80	16.62	7.12	19.27	8.73	20.58	9.82	21.69	9.82	24.07	12.60	27.40	14.39	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table 2-8.12: 30HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	76.78	13.42	92.34	16.56	106.07	17.58	109.12	18.15	114.31	18.63	117.06	20.26	121.18	20.59
	-10	76.78	14.54	92.34	17.88	106.07	19.00	109.12	19.62	114.31	20.16	117.06	21.92	121.18	22.26
	-5	76.78	15.68	92.34	19.39	106.07	20.54	109.12	21.19	114.31	21.75	117.06	23.63	121.18	24.01
	-2	76.78	15.65	92.34	19.74	106.07	20.48	109.12	21.25	114.31	21.73	117.06	23.93	121.18	24.28
	0	76.78	15.96	92.34	20.11	106.07	21.25	109.12	22.42	114.31	22.97	117.06	24.22	121.18	24.65
	2	76.78	16.24	92.34	20.13	106.07	22.00	109.12	23.72	114.31	23.25	117.06	24.47	121.18	25.01
	4	76.78	16.57	92.34	20.46	106.07	22.74	109.12	23.85	114.31	23.58	117.06	24.79	121.18	25.42
	6	76.78	16.94	92.34	20.95	106.07	23.62	109.12	24.01	113.09	24.31	115.63	25.20	119.84	25.65
	8	76.78	17.37	92.34	21.41	106.07	24.79	109.12	25.20	111.66	25.06	114.41	25.23	118.40	25.90
	10	76.78	17.66	92.34	21.85	106.07	25.71	109.12	26.02	110.34	25.55	113.09	25.64	116.96	26.60
	12	76.78	17.97	92.34	22.31	106.07	26.22	107.49	26.44	109.12	25.91	111.56	26.08	115.42	26.82
	14	76.78	18.38	92.34	22.73	105.76	26.61	106.27	26.79	107.49	26.35	110.34	26.45	114.19	27.40
	16	76.78	18.71	92.34	23.13	104.53	26.98	104.74	27.20	105.96	27.10	108.81	26.84	112.65	27.89
	18	76.78	19.00	92.34	23.65	102.99	27.36	103.21	27.33	104.74	27.40	107.49	27.68	111.41	28.19
	20	76.78	19.45	92.34	25.19	101.44	28.76	101.99	28.57	103.21	28.72	105.96	29.04	109.87	29.64
	21	76.78	19.93	92.34	25.98	100.72	29.49	101.38	29.27	102.60	29.42	105.35	29.78	109.15	30.28
	23	76.78	21.41	92.34	27.92	99.49	30.78	99.75	30.66	101.07	30.84	103.82	31.08	107.61	31.74
	25	76.78	22.88	92.34	29.85	97.95	32.06	98.22	31.99	99.75	32.13	102.60	32.44	106.38	33.04
	27	76.78	24.46	92.34	31.97	96.72	33.53	97.00	33.34	98.22	33.47	101.07	33.92	104.84	34.51
	29	76.78	26.06	92.34	34.23	95.17	34.87	95.48	34.71	97.00	34.95	99.75	35.21	103.60	35.91
	31	76.78	27.85	92.03	36.21	93.63	36.28	94.26	36.02	95.48	36.14	98.22	36.66	102.06	37.39
	33	76.78	29.67	90.47	37.57	92.40	37.55	92.73	37.31	94.26	37.63	97.00	38.00	100.42	38.76
	35	76.78	31.63	88.92	38.82	90.76	38.87	91.51	38.74	92.73	39.02	95.48	39.39	99.18	40.24
	37	76.78	33.59	87.67	40.34	89.52	40.42	89.88	40.23	91.51	40.33	93.95	40.83	97.64	41.66
	39	76.78	35.79	86.11	40.65	87.98	41.65	88.66	41.57	89.88	41.83	92.73	42.21	96.41	43.18
	41	76.78	37.71	85.18	41.04	87.06	42.08	87.74	42.01	88.96	42.09	91.81	42.30	92.71	43.58
	43	76.78	38.55	84.55	41.40	86.64	42.19	87.33	42.03	88.05	42.15	90.08	42.33	91.58	43.59
	46	76.78	40.58	84.03	41.67	85.72	42.50	86.42	42.35	86.82	42.39	87.64	42.65	89.83	44.41
	48	76.78	41.90	83.72	43.13	84.28	42.86	84.99	42.78	85.71	42.84	85.30	43.35	87.77	44.75
	50	69.10	38.60	75.35	39.65	75.85	39.60	76.49	39.41	77.13	39.46	76.77	39.77	79.00	41.10
52	55.28	31.51	60.28	32.34	60.68	32.39	61.19	32.14	61.71	32.28	61.41	32.60	63.20	33.69	
55	38.70	22.64	42.20	23.24	42.48	23.16	42.84	23.07	43.20	23.15	42.99	23.31	44.24	24.09	
120%	-15	70.27	12.90	85.34	15.96	96.91	18.44	104.13	20.19	109.87	21.19	112.66	21.93	115.03	22.40
	-10	70.27	13.89	85.34	17.21	96.91	19.90	104.13	21.81	109.87	22.82	112.66	23.69	115.03	24.22
	-5	70.27	15.06	85.34	18.62	96.91	21.45	104.13	23.46	109.87	24.69	112.66	25.48	115.03	26.18
	-2	70.27	15.21	85.34	18.77	96.91	21.64	104.13	23.68	109.87	25.01	112.66	25.75	115.03	26.28
	0	70.27	15.29	85.34	18.89	96.91	21.90	104.13	23.67	109.87	25.13	112.66	25.88	115.03	26.28
	2	70.27	15.34	85.34	19.10	96.91	22.09	104.13	23.92	109.87	25.25	112.66	26.11	115.03	26.38
	4	70.27	15.51	85.34	19.31	96.91	22.37	104.13	24.12	109.87	25.59	112.66	26.17	115.03	26.46
	6	70.27	15.71	85.34	19.46	96.91	22.66	104.13	24.41	109.87	25.92	112.66	26.36	115.03	26.48
	8	70.27	15.85	85.34	19.69	96.91	22.92	104.13	24.70	109.87	26.21	112.66	26.40	115.03	26.69
	10	70.27	15.99	85.34	19.91	96.91	23.18	104.13	25.12	109.87	26.12	112.66	26.47	115.03	26.81
	12	70.27	16.30	85.34	20.34	96.91	23.68	104.13	25.66	108.23	26.34	111.12	26.42	113.48	26.90
	14	70.27	16.63	85.34	20.76	96.91	24.05	104.13	26.10	106.69	26.42	109.78	26.72	112.25	27.25
	16	70.27	16.93	85.34	21.14	96.91	24.61	103.51	26.66	105.45	26.89	108.23	27.28	110.70	27.66
	18	70.27	17.24	85.34	21.56	96.91	25.40	101.98	27.25	103.91	27.54	106.69	27.86	109.36	28.11
	20	70.27	17.56	85.34	22.39	96.91	27.35	100.76	28.53	102.68	28.86	105.45	29.23	107.82	29.43
	21	70.27	17.76	85.34	23.24	96.91	28.24	99.74	29.22	101.75	29.47	104.83	29.82	107.20	30.10
	23	70.27	18.99	85.34	24.88	96.91	30.25	98.51	30.51	100.42	30.82	103.28	31.34	105.66	31.50
	25	70.27	20.25	85.34	26.58	95.38	31.68	96.98	31.79	98.87	32.22	102.05	32.62	104.42	32.97
	27	70.27	21.67	85.34	28.44	94.16	32.96	95.76	33.20	97.64	33.68	100.40	34.09	102.88	34.24
	29	70.27	23.14	85.34	30.38	92.64	34.16	94.22	34.50	96.10	34.92	98.85	35.50	101.64	35.70
	31	70.27	24.68	85.34	32.42	91.01	35.53	93.00	35.94	94.87	36.43	97.62	36.75	99.99	37.20
	33	70.27	26.24	85.34	34.64	89.79	37.01	91.47	37.37	93.32	37.74	96.07	38.23	98.45	38.52
	35	70.27	27.89	85.34	36.84	88.27	38.26	89.84	38.59	91.99	39.13	94.83	39.67	97.21	39.96
	37	70.27	29.65	85.34	39.28	87.05	39.73	88.61	40.01	90.45	40.46	93.29	41.03	95.67	41.53
	39	70.27	31.57	85.03	41.40	85.52	40.90	87.08	41.44	88.91	41.81	91.95	42.56	94.43	42.86
	41	70.27	32.41	84.30	41.86	84.81	41.31	86.36	41.61	88.29	42.22	91.33	42.60	91.65	43.22
	43	70.27	32.93	83.88	41.99	84.20	41.56	85.75	41.80	87.57	42.38	89.68	42.80	90.31	44.00
	46	70.27	33.28	83.36	42.55	83.38	41.95	84.83	42.20	86.85	42.75	87.93	42.81	89.39	44.96
	48	70.27	33.61	82.63	42.85	82.27	42.36	83.51	42.57	85.82	43.06	86.59	43.29	88.15	45.51
	50	63.24	30.96	74.37	39.47	74.04	38.95	75.16	39.10	77.24	39.62	77.93	39.84	79.34	41.84
52	50.59	25.32	59.50	32.32	59.23	31.79	60.12	31.92	61.79	32.38	62.34	32.62	63.47	34.33	
55	35.42	18.09	41.65	23.09	41.46	22.73	42.09	22.94	43.25	23.17	43.64	23.30	44.43	24.57	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table 2-8.12: 30HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	65.48	11.43	77.39	14.11	90.87	17.03	96.29	18.12	103.46	19.70	109.01	20.00	111.56	20.61
	-10	65.48	12.38	77.39	15.26	90.87	18.41	96.29	19.53	103.46	21.22	109.01	21.57	111.56	22.30
	-5	65.48	13.36	77.39	16.45	90.87	19.88	96.29	21.16	103.46	22.89	109.01	23.37	111.56	24.04
	-2	65.48	13.62	77.39	16.70	90.87	20.02	96.29	21.31	103.46	23.12	109.01	23.50	111.56	24.22
	0	65.48	13.77	77.39	16.74	90.87	20.22	96.29	21.53	103.46	23.43	109.01	23.76	111.56	24.51
	2	65.48	14.08	77.39	16.96	90.87	20.50	96.29	21.76	103.46	23.65	109.01	24.15	111.56	24.79
	4	65.48	14.35	77.39	17.13	90.87	20.74	96.29	22.03	103.46	24.01	109.01	24.46	111.56	25.05
	6	65.48	14.46	77.39	17.29	90.87	20.96	96.29	22.31	103.46	24.26	109.01	24.69	111.56	25.45
	8	65.48	14.62	77.39	17.62	90.87	21.15	96.29	22.59	103.46	24.59	109.01	24.86	111.56	25.62
	10	65.48	14.79	77.39	17.86	90.87	21.41	96.29	22.95	103.46	24.89	109.01	25.09	111.56	25.84
	12	65.48	15.12	77.39	18.19	90.87	21.83	96.29	23.38	103.46	25.35	107.79	25.45	110.03	26.21
	14	65.48	15.32	77.39	18.56	90.87	22.27	96.29	23.88	103.46	25.90	106.16	25.58	108.81	26.42
	16	65.48	15.62	77.39	18.88	90.87	22.69	96.29	24.30	103.46	26.37	104.94	25.88	107.18	26.76
	18	65.48	15.93	77.39	19.22	90.87	23.22	96.29	25.02	103.46	27.68	103.42	27.33	105.96	27.58
	20	65.48	16.26	77.39	19.61	90.87	24.51	96.29	26.90	101.90	29.04	102.20	28.54	104.43	28.83
	21	65.48	16.43	77.39	20.18	90.87	25.38	96.29	27.86	101.17	29.64	101.28	29.33	103.82	29.52
	23	65.48	17.22	77.39	21.69	90.87	27.29	96.29	29.91	99.61	30.99	100.06	30.58	102.30	30.90
	25	65.48	18.35	77.39	23.22	90.87	29.20	96.29	31.98	98.37	32.30	98.43	31.98	101.07	32.30
	27	65.48	19.53	77.39	24.75	90.87	31.19	94.74	33.29	96.81	33.78	97.21	33.31	99.55	33.65
	29	65.48	20.84	77.39	26.46	90.87	33.40	93.51	34.73	95.56	35.09	95.69	34.76	98.22	35.07
	31	65.48	22.17	77.39	28.16	90.87	35.52	91.96	35.95	94.00	36.49	94.47	36.06	96.70	36.38
	33	65.48	23.56	77.39	30.08	90.25	37.48	90.62	37.36	92.76	37.89	92.94	37.47	95.48	37.76
	35	65.48	25.07	77.39	31.95	88.69	38.92	89.08	38.71	91.10	39.30	91.42	38.71	93.95	39.22
	37	65.48	26.72	77.39	34.09	87.44	40.25	87.84	40.02	89.54	40.54	90.10	40.09	92.42	40.60
	39	65.48	28.41	77.39	36.38	85.88	41.61	86.30	41.42	88.29	42.07	88.57	41.63	91.20	41.92
	41	65.48	28.70	77.39	36.56	85.15	41.94	85.58	41.83	87.67	42.37	87.45	41.83	88.45	42.36
	43	65.48	29.00	77.39	37.14	84.53	42.20	84.96	41.96	86.94	42.66	86.74	41.98	87.03	43.19
	46	65.48	29.99	77.39	37.20	83.70	42.59	84.03	42.55	86.21	42.97	85.82	43.13	86.21	44.23
	48	65.48	30.95	77.39	40.39	82.45	42.74	82.69	42.71	85.18	43.39	84.40	43.20	85.09	44.44
	50	58.93	28.46	69.65	37.10	74.20	39.41	74.42	39.34	76.66	39.85	75.96	39.80	76.58	41.01
52	47.15	23.28	55.72	30.44	59.36	32.24	59.54	32.25	61.33	32.66	60.77	32.52	61.27	33.48	
55	33.00	16.69	39.01	21.78	41.55	23.10	41.68	22.99	42.93	23.38	42.54	23.32	42.89	24.04	
100%	-15	57.80	10.13	68.77	12.17	79.97	14.51	85.00	15.59	91.13	16.82	102.51	19.19	109.10	20.20
	-10	57.80	10.93	68.77	13.18	79.97	15.66	85.00	16.86	91.13	18.20	102.51	20.79	109.10	21.80
	-5	57.80	11.82	68.77	14.23	79.97	16.86	85.00	18.19	91.13	19.62	102.51	22.43	109.10	23.54
	-2	57.80	11.92	68.77	14.43	79.97	17.05	85.00	18.53	91.13	19.88	102.51	22.69	109.10	23.74
	0	57.80	12.08	68.77	14.55	79.97	17.25	85.00	18.75	91.13	20.13	102.51	23.09	109.10	23.94
	2	57.80	12.29	68.77	14.77	79.97	17.45	85.00	19.00	91.13	20.30	102.51	23.42	109.10	24.34
	4	57.80	12.38	68.77	14.88	79.97	17.72	85.00	19.26	91.13	20.60	102.51	23.65	109.10	24.63
	6	57.80	12.60	68.77	15.22	79.97	17.95	85.00	19.63	91.13	20.90	102.51	23.92	109.10	25.06
	8	57.80	12.83	68.77	15.44	79.97	18.25	85.00	19.87	91.13	21.25	102.51	24.29	109.10	25.45
	10	57.80	12.99	68.77	15.67	79.97	18.56	85.00	20.19	91.13	21.68	102.51	24.77	109.10	25.83
	12	57.80	13.15	68.77	15.99	79.97	18.89	85.00	20.56	91.13	22.01	102.51	25.15	107.48	25.99
	14	57.80	13.44	68.77	16.35	79.97	19.28	85.00	20.93	91.13	22.39	102.51	25.68	106.26	26.30
	16	57.80	13.65	68.77	16.58	79.97	19.73	85.00	21.36	91.13	22.92	101.90	26.07	104.74	26.55
	18	57.80	13.90	68.77	16.94	79.97	20.00	85.00	21.74	91.13	23.33	100.69	26.90	103.52	27.32
	20	57.80	14.16	68.77	17.25	79.97	20.63	85.00	22.90	91.13	24.98	99.18	28.15	102.00	28.54
	21	57.80	14.37	68.77	17.40	79.97	21.36	85.00	23.67	91.13	25.86	98.58	28.80	101.39	29.20
	23	57.80	14.69	68.77	18.59	79.97	22.97	85.00	25.35	91.13	27.81	97.27	30.06	99.87	30.56
	25	57.80	15.62	68.77	19.84	79.97	24.54	85.00	27.18	91.13	29.79	95.75	31.47	98.55	31.85
	27	57.80	16.75	68.77	21.17	79.97	26.21	85.00	29.09	91.13	31.81	94.24	32.82	97.02	33.32
	29	57.80	17.82	68.77	22.59	79.97	28.02	85.00	31.11	90.83	33.75	93.03	34.16	95.81	34.55
	31	57.80	18.95	68.77	24.11	79.97	29.82	85.00	33.16	89.52	35.03	91.52	35.44	94.28	35.96
	33	57.80	20.15	68.77	25.63	79.97	31.77	85.00	35.36	88.01	36.34	90.31	36.84	93.07	37.38
	35	57.80	21.35	68.77	27.30	79.97	33.95	85.00	37.78	86.50	37.78	88.70	38.17	91.54	38.79
	37	57.80	22.76	68.77	29.02	79.97	36.11	83.50	39.10	85.29	39.11	87.49	39.50	89.92	40.16
	39	57.80	24.19	68.77	30.96	79.97	38.51	82.30	40.42	83.78	40.38	85.98	40.74	88.70	41.47
	41	57.80	25.26	68.77	31.96	79.97	39.88	81.00	40.71	83.07	41.01	84.47	41.78	87.48	42.32
	43	57.80	26.42	68.77	33.19	79.97	40.66	79.70	41.10	82.47	41.48	84.97	42.01	85.86	42.88
	46	57.80	27.92	68.77	34.62	79.97	41.35	78.00	41.74	82.07	42.11	84.26	42.74	84.13	43.49
	48	57.80	29.15	68.77	35.84	79.97	41.50	74.80	42.22	81.97	42.90	79.12	43.06	82.31	43.90
	50	52.02	26.80	61.90	32.98	71.98	38.04	67.32	38.85	73.77	39.60	71.21	39.70	74.08	40.23
52	41.62	21.92	49.52	27.06	57.58	31.15	53.86	31.75	59.02	32.33	56.97	32.48	59.26	32.91	
55	29.13	15.70	34.66	19.37	40.31	22.29	37.70	22.70	41.31	23.18	39.88	23.25	41.48	23.58	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.12: 30HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	53.09	9.15	64.11	11.12	74.30	13.07	77.87	13.99	83.66	15.04	94.76	17.38	103.11	19.59
	-10	53.09	9.87	64.11	11.99	74.30	14.10	77.87	15.06	83.66	16.21	94.76	18.78	103.11	21.08
	-5	53.09	10.64	64.11	12.96	74.30	15.25	77.87	16.32	83.66	17.47	94.76	20.31	103.11	22.78
	-2	53.09	10.77	64.11	13.09	74.30	15.42	77.87	16.50	83.66	17.74	94.76	20.51	103.11	23.07
	0	53.09	10.91	64.11	13.28	74.30	15.63	77.87	16.74	83.66	17.93	94.76	20.78	103.11	23.16
	2	53.09	11.08	64.11	13.41	74.30	15.86	77.87	16.96	83.66	18.20	94.76	21.21	103.11	23.60
	4	53.09	11.25	64.11	13.59	74.30	16.06	77.87	17.24	83.66	18.50	94.76	21.52	103.11	23.94
	6	53.09	11.41	64.11	13.90	74.30	16.39	77.87	17.53	83.66	18.82	94.76	21.85	103.11	24.25
	8	53.09	11.61	64.11	14.13	74.30	16.71	77.87	17.72	83.66	19.11	94.76	22.26	103.11	24.48
	10	53.09	11.87	64.11	14.43	74.30	17.01	77.87	18.01	83.66	19.57	94.76	22.55	103.11	24.94
	12	53.09	12.07	64.11	14.74	74.30	17.31	77.87	18.29	83.66	19.94	94.76	23.00	103.11	25.32
	14	53.09	12.29	64.11	14.98	74.30	17.65	77.87	18.71	83.66	20.31	94.76	23.41	103.11	25.78
	16	53.09	12.46	64.11	15.27	74.30	18.06	77.87	19.09	83.66	20.69	94.76	23.80	102.81	26.27
	18	53.09	12.67	64.11	15.52	74.30	18.30	77.87	19.41	83.66	21.08	94.76	24.36	101.59	27.17
	20	53.09	12.93	64.11	15.88	74.30	18.73	77.87	19.81	83.66	21.90	94.76	26.14	100.06	28.39
	21	53.09	13.02	64.11	16.05	74.30	19.01	77.87	20.44	83.66	22.61	94.76	27.10	99.45	29.06
	23	53.09	13.33	64.11	16.69	74.30	20.38	77.87	21.93	83.66	24.28	94.76	29.00	97.82	30.33
	25	53.09	14.03	64.11	17.79	74.30	21.80	77.87	23.46	83.66	26.01	94.76	31.10	96.60	31.65
	27	53.09	14.88	64.11	18.99	74.30	23.24	77.87	25.11	83.66	27.75	94.76	33.31	95.08	33.08
	29	53.09	15.86	64.11	20.25	74.30	24.76	77.87	26.78	83.66	29.62	93.83	34.87	93.86	34.45
	31	53.09	16.86	64.11	21.57	74.30	26.45	77.87	28.60	83.66	31.62	92.17	36.12	92.33	35.72
	33	53.09	17.92	64.11	22.84	74.30	28.20	77.87	30.44	83.66	33.77	90.92	37.56	91.11	37.01
	35	53.09	19.01	64.11	24.35	74.30	30.08	77.87	32.47	83.66	36.03	89.37	39.00	89.49	38.47
	37	53.09	20.14	64.11	25.88	74.30	31.99	77.87	34.50	83.66	38.44	87.81	40.28	88.27	39.80
	39	53.09	21.39	64.11	27.57	74.30	34.03	77.87	36.78	83.66	40.94	86.57	41.72	86.74	41.10
	41	53.09	22.13	64.11	28.77	74.30	35.27	77.87	37.75	83.66	41.15	85.95	42.79	86.13	42.24
	43	53.09	23.28	64.11	30.04	74.30	36.52	77.87	38.76	83.66	41.98	85.53	43.39	85.42	42.73
	46	53.09	24.71	64.11	31.47	74.30	38.04	77.87	40.07	83.66	43.18	85.01	43.84	84.10	43.42
	48	53.09	26.13	64.11	32.95	74.30	39.48	77.87	40.58	83.66	43.55	84.29	44.37	81.86	43.92
	50	47.78	24.00	57.70	30.33	66.87	36.22	70.08	37.34	75.30	40.12	75.86	40.75	73.67	40.50
52	38.22	19.59	46.16	24.83	53.50	29.60	56.06	30.48	60.24	32.82	60.69	33.36	58.94	33.03	
55	26.76	14.05	32.31	17.77	37.45	21.23	39.25	21.82	42.17	23.49	42.48	23.93	41.26	23.66	
80%	-15	47.16	8.07	55.58	9.44	65.29	11.31	69.96	12.01	75.56	13.09	83.66	14.93	93.78	17.24
	-10	47.16	8.71	55.58	10.18	65.29	12.22	69.96	12.95	75.56	14.14	83.66	16.14	93.78	18.62
	-5	47.16	9.40	55.58	10.97	65.29	13.19	69.96	14.01	75.56	15.23	83.66	17.44	93.78	20.11
	-2	47.16	9.55	55.58	11.12	65.29	13.25	69.96	14.18	75.56	15.41	83.66	17.60	93.78	20.27
	0	47.16	9.70	55.58	11.27	65.29	13.43	69.96	14.34	75.56	15.64	83.66	17.85	93.78	20.56
	2	47.16	9.89	55.58	11.41	65.29	13.63	69.96	14.65	75.56	15.94	83.66	18.19	93.78	20.99
	4	47.16	10.08	55.58	11.63	65.29	13.90	69.96	14.96	75.56	16.25	83.66	18.50	93.78	21.26
	6	47.16	10.24	55.58	11.92	65.29	14.13	69.96	15.34	75.56	16.52	83.66	18.76	93.78	21.58
	8	47.16	10.46	55.58	12.17	65.29	14.45	69.96	15.59	75.56	16.90	83.66	19.06	93.78	22.04
	10	47.16	10.51	55.58	12.45	65.29	14.82	69.96	15.96	75.56	17.27	83.66	19.52	93.78	22.26
	12	47.16	10.68	55.58	12.64	65.29	15.05	69.96	16.29	75.56	17.67	83.66	19.89	93.78	22.66
	14	47.16	10.90	55.58	12.93	65.29	15.32	69.96	16.48	75.56	18.00	83.66	20.22	93.78	23.10
	16	47.16	11.02	55.58	13.08	65.29	15.61	69.96	16.80	75.56	18.32	83.66	20.59	93.78	23.50
	18	47.16	11.25	55.58	13.34	65.29	15.96	69.96	17.20	75.56	18.64	83.66	21.05	93.78	23.96
	20	47.16	11.43	55.58	13.64	65.29	16.27	69.96	17.53	75.56	19.04	83.66	21.80	93.78	25.69
	21	47.16	11.56	55.58	13.75	65.29	16.39	69.96	17.74	75.56	19.41	83.66	22.58	93.78	26.63
	23	47.16	11.79	55.58	14.03	65.29	17.19	69.96	18.82	75.56	20.83	83.66	24.18	93.78	28.57
	25	47.16	12.14	55.58	14.90	65.29	18.43	69.96	20.12	75.56	22.16	83.66	25.88	93.78	30.53
	27	47.16	12.92	55.58	15.89	65.29	19.62	69.96	21.48	75.56	23.75	83.66	27.70	93.78	32.71
	29	47.16	13.76	55.58	16.87	65.29	20.92	69.96	22.92	75.56	25.32	83.66	29.51	93.78	34.87
	31	47.16	14.53	55.58	17.99	65.29	22.19	69.96	24.39	75.56	27.05	83.66	31.51	92.12	36.30
	33	47.16	15.52	55.58	19.07	65.29	23.66	69.96	25.96	75.56	28.81	83.66	33.68	90.87	37.65
	35	47.16	16.42	55.58	20.29	65.29	25.16	69.96	27.65	75.56	30.58	83.66	35.88	89.31	38.98
	37	47.16	17.38	55.58	21.56	65.29	26.77	69.96	29.40	75.56	32.69	83.66	38.19	88.06	40.30
	39	47.16	18.46	55.58	23.04	65.29	28.51	69.96	31.35	75.56	34.73	83.66	40.66	86.50	41.67
	41	47.16	18.87	55.58	23.20	65.29	28.86	69.96	32.09	75.56	35.39	83.66	41.74	85.99	42.57
	43	47.16	19.45	55.58	23.40	65.29	29.34	69.96	32.67	75.56	35.77	83.66	42.31	85.47	42.99
	46	47.16	20.01	55.58	23.68	65.29	29.93	69.96	33.33	75.56	36.40	83.66	42.73	84.32	43.65
	48	47.16	20.65	55.58	23.87	65.29	30.36	69.96	33.87	75.56	36.75	83.66	43.17	83.70	44.20
	50	42.45	18.97	50.02	21.96	58.76	27.99	62.96	31.20	68.00	33.76	75.30	39.72	75.33	40.60
52	33.96	15.55	40.01	17.93	47.01	22.83	50.37	25.52	54.40	27.72	60.24	32.46	60.26	33.34	
55	23.77	11.11	28.01	12.81	32.91	16.32	35.26	18.19	38.08	19.84	42.17	23.19	42.18	23.77	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.12:30HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	40.82	7.12	49.38	8.43	57.09	9.55	60.50	10.11	65.98	11.08	72.90	12.50	81.25	14.38
	-10	40.82	7.68	49.38	9.10	57.09	10.32	60.50	10.92	65.98	11.95	72.90	13.46	81.25	15.56
	-5	40.82	8.30	49.38	9.84	57.09	11.12	60.50	11.82	65.98	12.88	72.90	14.59	81.25	16.81
	-2	40.82	8.37	49.38	9.90	57.09	11.20	60.50	12.04	65.98	13.15	72.90	14.81	81.25	16.99
	0	40.82	8.41	49.38	10.00	57.09	11.41	60.50	12.25	65.98	13.38	72.90	15.07	81.25	17.24
	2	40.82	8.45	49.38	10.06	57.09	11.60	60.50	12.47	65.98	13.59	72.90	15.45	81.25	17.51
	4	40.82	8.59	49.38	10.33	57.09	11.85	60.50	12.72	65.98	13.93	72.90	15.70	81.25	17.93
	6	40.82	8.71	49.38	10.48	57.09	12.16	60.50	13.15	65.98	14.24	72.90	15.97	81.25	18.33
	8	40.82	8.88	49.38	10.79	57.09	12.45	60.50	13.32	65.98	14.55	72.90	16.40	81.25	18.67
	10	40.82	9.05	49.38	10.95	57.09	12.79	60.50	13.61	65.98	14.93	72.90	16.78	81.25	18.84
	12	40.82	9.29	49.38	11.11	57.09	13.04	60.50	13.89	65.98	15.22	72.90	17.08	81.25	19.26
	14	40.82	9.42	49.38	11.33	57.09	13.25	60.50	14.07	65.98	15.42	72.90	17.39	81.25	19.55
	16	40.82	9.57	49.38	11.54	57.09	13.47	60.50	14.40	65.98	15.76	72.90	17.68	81.25	19.93
	18	40.82	9.74	49.38	11.78	57.09	13.75	60.50	14.61	65.98	16.04	72.90	18.00	81.25	20.41
	20	40.82	9.90	49.38	11.95	57.09	13.99	60.50	14.89	65.98	16.31	72.90	18.39	81.25	20.95
	21	40.82	9.99	49.38	12.06	57.09	14.09	60.50	15.06	65.98	16.51	72.90	18.65	81.25	21.64
	23	40.82	10.14	49.38	12.28	57.09	14.41	60.50	15.57	65.98	17.30	72.90	19.98	81.25	23.26
	25	40.82	10.33	49.38	12.78	57.09	15.31	60.50	16.61	65.98	18.52	72.90	21.39	81.25	24.82
	27	40.82	10.96	49.38	13.62	57.09	16.38	60.50	17.67	65.98	19.71	72.90	22.86	81.25	26.48
	29	40.82	11.64	49.38	14.41	57.09	17.43	60.50	18.86	65.98	21.00	72.90	24.39	81.25	28.37
	31	40.82	12.29	49.38	15.34	57.09	18.58	60.50	20.06	65.98	22.33	72.90	25.94	81.25	30.24
	33	40.82	13.06	49.38	16.29	57.09	19.70	60.50	21.36	65.98	23.83	72.90	27.62	81.25	32.17
	35	40.82	13.83	49.38	17.27	57.09	20.95	60.50	22.69	65.98	25.30	72.90	29.50	81.25	34.39
	37	40.82	14.60	49.38	18.29	57.09	22.29	60.50	24.10	65.98	26.98	72.90	31.39	81.25	36.51
	39	40.82	15.50	49.38	19.41	57.09	23.64	60.50	25.58	65.98	28.65	72.90	33.29	81.25	38.93
41	40.82	16.16	49.38	20.11	57.09	24.28	60.50	26.43	65.98	29.55	72.90	34.67	81.25	40.62	
43	40.82	17.43	49.38	21.53	57.09	25.28	60.50	27.88	65.98	30.40	72.90	36.00	81.25	41.92	
46	40.82	17.81	49.38	21.96	57.09	25.78	60.50	28.38	65.98	31.84	72.90	37.91	81.25	43.65	
48	40.82	18.21	49.38	22.07	57.09	26.18	60.50	28.85	65.98	32.75	72.90	39.61	81.25	44.73	
50	36.74	16.77	44.44	20.27	51.38	24.09	54.45	26.52	59.38	30.14	65.61	36.60	73.13	41.12	
52	29.39	13.66	35.56	16.63	41.11	19.70	43.56	21.71	47.51	24.63	52.49	29.88	58.50	33.64	
55	20.57	9.81	24.89	11.87	28.77	14.10	30.49	15.53	33.25	17.65	36.74	21.36	40.95	24.05	
60%	-15	35.32	6.15	42.67	7.21	48.65	8.21	52.01	8.78	55.27	9.46	62.03	10.58	69.72	12.30
	-10	35.32	6.63	42.67	7.79	48.65	8.88	52.01	9.48	55.27	10.17	62.03	11.41	69.72	13.30
	-5	35.32	7.16	42.67	8.41	48.65	9.61	52.01	10.23	55.27	11.02	62.03	12.37	69.72	14.38
	-2	35.32	7.21	42.67	8.53	48.65	9.76	52.01	10.35	55.27	11.12	62.03	12.51	69.72	14.45
	0	35.32	7.31	42.67	8.65	48.65	9.87	52.01	10.48	55.27	11.30	62.03	12.72	69.72	14.64
	2	35.32	7.46	42.67	8.82	48.65	10.10	52.01	10.68	55.27	11.45	62.03	12.96	69.72	14.84
	4	35.32	7.65	42.67	9.01	48.65	10.25	52.01	10.82	55.27	11.65	62.03	13.19	69.72	15.04
	6	35.32	7.71	42.67	9.15	48.65	10.47	52.01	11.06	55.27	11.87	62.03	13.46	69.72	15.41
	8	35.32	7.88	42.67	9.33	48.65	10.66	52.01	11.25	55.27	12.08	62.03	13.68	69.72	15.60
	10	35.32	8.04	42.67	9.55	48.65	10.83	52.01	11.59	55.27	12.36	62.03	13.95	69.72	15.87
	12	35.32	8.18	42.67	9.70	48.65	11.04	52.01	11.78	55.27	12.56	62.03	14.21	69.72	16.15
	14	35.32	8.29	42.67	9.86	48.65	11.17	52.01	12.01	55.27	12.83	62.03	14.50	69.72	16.41
	16	35.32	8.38	42.67	9.98	48.65	11.39	52.01	12.22	55.27	12.99	62.03	14.75	69.72	16.75
	18	35.32	8.54	42.67	10.14	48.65	11.59	52.01	12.41	55.27	13.25	62.03	14.98	69.72	17.03
	20	35.32	8.67	42.67	10.39	48.65	11.79	52.01	12.68	55.27	13.53	62.03	15.26	69.72	17.43
	21	35.32	8.75	42.67	10.44	48.65	11.89	52.01	12.76	55.27	13.60	62.03	15.48	69.72	17.55
	23	35.32	8.88	42.67	10.61	48.65	12.10	52.01	13.02	55.27	13.85	62.03	16.03	69.72	18.69
	25	35.32	9.01	42.67	10.81	48.65	12.57	52.01	13.68	55.27	14.75	62.03	17.17	69.72	19.97
	27	35.32	9.40	42.67	11.47	48.65	13.41	52.01	14.54	55.27	15.76	62.03	18.30	69.72	21.31
	29	35.32	9.91	42.67	12.17	48.65	14.26	52.01	15.49	55.27	16.76	62.03	19.47	69.72	22.75
	31	35.32	10.52	42.67	12.91	48.65	15.17	52.01	16.48	55.27	17.83	62.03	20.72	69.72	24.22
	33	35.32	11.08	42.67	13.68	48.65	16.08	52.01	17.53	55.27	18.90	62.03	22.00	69.72	25.75
	35	35.32	11.76	42.67	14.51	48.65	17.04	52.01	18.57	55.27	20.10	62.03	23.51	69.72	27.41
	37	35.32	12.42	42.67	15.38	48.65	18.10	52.01	19.66	55.27	21.31	62.03	24.96	69.72	29.20
	39	35.32	13.08	42.67	16.25	48.65	19.12	52.01	20.90	55.27	22.64	62.03	26.52	69.72	31.11
41	35.32	13.52	42.67	16.96	48.65	19.88	52.01	21.76	55.27	23.49	62.03	27.80	69.72	32.47	
43	35.32	13.95	42.67	17.67	48.65	20.51	52.01	22.36	55.27	24.38	62.03	28.95	69.72	33.90	
46	35.32	14.58	42.67	18.58	48.65	21.36	52.01	23.23	55.27	25.57	62.03	30.28	69.72	35.81	
48	35.32	15.13	42.67	19.36	48.65	22.12	52.01	23.73	55.27	26.50	62.03	31.32	69.72	37.44	
50	31.79	13.96	38.40	17.80	43.78	20.34	46.81	21.90	49.74	24.37	55.83	28.74	62.75	34.59	
52	25.43	11.41	30.72	14.58	35.03	16.67	37.45	17.88	39.79	19.91	44.66	23.51	50.20	28.21	
55	17.80	8.18	21.51	10.41	24.52	11.92	26.21	12.78	27.86	14.31	31.26	16.83	35.14	20.17	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table2-8.12:30HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	29.58	5.34	35.63	6.23	40.95	7.09	44.23	7.50	46.01	7.74	51.76	8.82	57.57	9.51
	-10	29.58	5.75	35.63	6.71	40.95	7.66	44.23	8.11	46.01	8.36	51.76	9.51	57.57	10.23
	-5	29.58	6.24	35.63	7.25	40.95	8.28	44.23	8.75	46.01	9.04	51.76	10.29	57.57	11.07
	-2	29.58	6.28	35.63	7.42	40.95	8.35	44.23	8.88	46.01	9.21	51.76	10.41	57.57	11.23
	0	29.58	6.37	35.63	7.54	40.95	8.50	44.23	8.98	46.01	9.28	51.76	10.61	57.57	11.41
	2	29.58	6.45	35.63	7.61	40.95	8.65	44.23	9.12	46.01	9.46	51.76	10.67	57.57	11.64
	4	29.58	6.54	35.63	7.75	40.95	8.75	44.23	9.23	46.01	9.65	51.76	10.89	57.57	11.90
	6	29.58	6.67	35.63	7.88	40.95	8.88	44.23	9.46	46.01	9.82	51.76	11.08	57.57	12.27
	8	29.58	6.80	35.63	8.00	40.95	9.04	44.23	9.64	46.01	9.95	51.76	11.27	57.57	12.67
	10	29.58	6.95	35.63	8.09	40.95	9.16	44.23	9.80	46.01	10.23	51.76	11.58	57.57	12.84
	12	29.58	7.01	35.63	8.19	40.95	9.31	44.23	9.99	46.01	10.44	51.76	11.79	57.57	13.10
	14	29.58	7.09	35.63	8.33	40.95	9.41	44.23	10.20	46.01	10.60	51.76	11.94	57.57	13.34
	16	29.58	7.22	35.63	8.43	40.95	9.57	44.23	10.39	46.01	10.74	51.76	12.18	57.57	13.54
	18	29.58	7.31	35.63	8.59	40.95	9.72	44.23	10.50	46.01	10.95	51.76	12.37	57.57	13.82
	20	29.58	7.43	35.63	8.69	40.95	9.87	44.23	10.67	46.01	11.16	51.76	12.59	57.57	14.07
	21	29.58	7.48	35.63	8.78	40.95	9.97	44.23	10.81	46.01	11.27	51.76	12.73	57.57	14.20
	23	29.58	7.57	35.63	8.88	40.95	10.14	44.23	10.98	46.01	11.46	51.76	12.96	57.57	14.47
	25	29.58	7.68	35.63	9.02	40.95	10.34	44.23	11.18	46.01	11.83	51.76	13.62	57.57	15.49
	27	29.58	7.84	35.63	9.43	40.95	10.93	44.23	11.94	46.01	12.55	51.76	14.45	57.57	16.52
	29	29.58	8.24	35.63	9.91	40.95	11.60	44.23	12.66	46.01	13.35	51.76	15.44	57.57	17.58
	31	29.58	8.72	35.63	10.48	40.95	12.27	44.23	13.47	46.01	14.17	51.76	16.37	57.57	18.67
	33	29.58	9.24	35.63	11.15	40.95	13.06	44.23	14.25	46.01	15.04	51.76	17.39	57.57	19.85
	35	29.58	9.74	35.63	11.77	40.95	13.76	44.23	15.11	46.01	15.94	51.76	18.49	57.57	21.16
	37	29.58	10.27	35.63	12.43	40.95	14.62	44.23	15.98	46.01	16.88	51.76	19.58	57.57	22.45
	39	29.58	10.86	35.63	13.15	40.95	15.39	44.23	16.88	46.01	17.94	51.76	20.76	57.57	23.81
41	29.58	11.30	35.63	13.71	40.95	15.95	44.23	17.74	46.01	18.66	51.76	21.95	57.57	24.94	
43	29.58	12.01	35.63	14.61	40.95	16.58	44.23	18.52	46.01	19.20	51.76	23.02	57.57	26.02	
46	29.58	12.31	35.63	15.00	40.95	17.69	44.23	19.90	46.01	20.02	51.76	25.24	57.57	28.32	
48	29.58	12.55	35.63	15.35	40.95	18.63	44.23	21.29	46.01	20.96	51.76	27.25	57.57	30.35	
50	26.63	11.52	32.07	14.14	36.85	17.11	39.81	19.59	41.41	19.23	46.58	25.02	51.81	27.93	
52	21.30	9.44	25.65	11.54	29.48	14.00	31.85	15.99	33.13	15.79	37.27	20.53	41.45	22.85	
55	14.91	6.75	17.96	8.26	20.64	10.04	22.29	11.47	23.19	11.29	26.09	14.67	29.01	16.37	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table 2-8.13: 32HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-15	82.15	15.76	96.93	19.08	112.41	20.49	115.42	21.07	120.91	21.69	125.39	23.87	126.82	23.72
	-10	82.15	17.04	96.93	20.66	112.41	22.15	115.42	22.74	120.91	23.38	125.39	25.70	126.82	25.59
	-5	82.15	18.42	96.93	22.25	112.41	23.90	115.42	24.58	120.91	25.30	125.39	27.76	126.82	27.66
	-2	82.15	18.40	96.93	22.77	112.41	23.87	115.42	24.69	120.91	25.26	125.39	28.20	126.82	27.88
	0	82.15	18.71	96.93	23.12	112.41	24.80	115.42	26.03	120.91	26.67	125.39	28.48	126.82	28.23
	2	82.15	19.04	96.93	23.15	112.41	25.62	115.42	27.49	120.91	27.08	125.39	28.74	126.82	28.70
	4	82.15	19.52	96.93	23.66	112.41	26.43	115.42	27.69	120.91	27.43	125.39	29.15	126.82	29.28
	6	82.15	19.88	96.93	24.04	112.41	27.51	115.42	27.93	119.62	28.22	123.86	29.66	125.42	29.40
	8	82.15	20.40	96.93	24.67	112.41	28.78	115.42	29.28	118.11	29.12	122.55	29.76	123.91	29.75
	10	82.15	20.78	96.93	25.12	112.41	29.93	115.42	30.24	116.71	29.75	121.14	30.21	122.41	30.64
	12	82.15	21.16	96.93	25.60	112.41	30.50	113.70	30.60	115.42	30.20	119.50	30.64	120.79	30.71
	14	82.15	21.59	96.93	26.14	112.09	30.96	112.41	31.04	113.70	30.56	118.19	31.04	119.50	31.53
	16	82.15	21.98	96.93	26.73	110.78	31.44	110.79	31.58	112.08	31.43	116.56	31.49	117.89	32.00
	18	82.15	22.38	96.93	27.20	109.15	31.86	109.18	31.73	110.79	31.90	115.14	32.55	116.60	32.44
	20	82.15	22.82	96.93	29.02	107.51	33.42	107.88	33.20	109.18	33.41	113.50	34.18	114.98	34.07
	21	82.15	23.43	96.93	30.02	106.75	34.30	107.24	33.95	108.53	34.12	112.85	34.99	114.23	34.77
	23	82.15	25.13	96.93	32.16	105.44	35.80	105.51	35.49	106.91	35.66	111.21	36.55	112.62	36.42
	25	82.15	26.82	96.93	34.52	103.81	37.33	103.90	37.17	105.51	37.26	109.91	38.18	111.33	37.98
	27	82.15	28.65	96.93	36.90	102.50	38.85	102.61	38.63	103.90	38.89	108.27	39.77	109.71	39.68
	29	82.15	30.64	96.93	39.39	100.87	40.56	100.99	40.30	102.61	40.53	106.85	41.52	108.42	41.33
	31	82.15	32.72	96.60	41.59	99.23	42.20	99.70	41.86	100.99	42.04	105.22	43.02	106.81	42.99
	33	82.15	34.85	94.97	43.33	97.93	43.59	98.09	43.40	99.70	43.72	103.91	44.60	105.09	44.56
	35	82.15	37.11	93.33	44.81	96.18	45.34	96.79	45.01	98.09	45.21	102.27	46.28	103.80	46.13
	37	82.15	39.49	92.02	46.43	94.88	46.98	95.07	46.71	96.79	47.00	100.64	48.06	102.18	47.98
	39	82.15	41.99	90.39	47.01	93.24	48.54	93.78	48.27	95.07	48.47	99.33	49.78	100.89	49.69
	41	82.15	44.29	89.41	47.47	92.26	48.90	92.81	48.62	94.10	49.02	98.35	49.78	97.02	50.10
	43	82.15	45.28	88.75	47.65	91.83	49.03	92.38	48.85	93.13	49.08	96.49	49.78	95.84	50.07
	46	82.15	47.67	88.21	48.10	90.85	49.49	91.41	49.12	91.84	49.21	93.88	50.05	94.01	51.16
	48	82.15	49.17	87.88	49.59	89.32	50.00	89.90	49.52	90.66	49.68	91.37	50.97	91.86	51.19
	50	73.94	45.29	79.09	45.54	80.39	45.93	80.91	45.66	81.59	45.81	82.23	46.95	82.67	47.20
52	59.15	37.12	63.27	37.25	64.31	37.57	64.73	37.42	65.27	37.55	65.79	38.26	66.14	38.54	
55	41.41	26.54	44.29	26.66	45.02	26.91	45.31	26.71	45.69	26.77	46.05	27.43	46.30	27.58	
120%	-15	75.56	15.20	89.24	18.28	104.81	21.81	111.00	23.54	116.33	24.63	119.06	25.39	122.96	26.39
	-10	75.56	16.45	89.24	19.73	104.81	23.56	111.00	25.47	116.33	26.55	119.06	27.47	122.96	28.48
	-5	75.56	17.75	89.24	21.28	104.81	25.44	111.00	27.56	116.33	28.64	119.06	29.67	122.96	30.78
	-2	75.56	17.95	89.24	21.58	104.81	25.77	111.00	27.66	116.33	28.98	119.06	29.83	122.96	30.87
	0	75.56	18.09	89.24	21.67	104.81	26.01	111.00	27.67	116.33	29.27	119.06	29.98	122.96	30.84
	2	75.56	18.09	89.24	21.96	104.81	26.17	111.00	27.99	116.33	29.35	119.06	30.32	122.96	30.90
	4	75.56	18.27	89.24	22.22	104.81	26.56	111.00	28.25	116.33	29.83	119.06	30.36	122.96	30.99
	6	75.56	18.53	89.24	22.39	104.81	26.88	111.00	28.62	116.33	30.09	119.06	30.61	122.96	31.14
	8	75.56	18.64	89.24	22.60	104.81	27.32	111.00	28.98	116.33	30.40	119.06	30.62	122.96	31.26
	10	75.56	18.88	89.24	22.92	104.81	27.47	111.00	29.48	116.33	30.48	119.06	30.74	122.96	31.37
	12	75.56	19.28	89.24	23.28	104.81	28.01	111.00	29.93	114.59	30.55	117.43	30.53	121.31	31.66
	14	75.56	19.59	89.24	23.75	104.81	28.59	111.00	30.57	112.96	30.71	116.01	31.02	119.99	32.04
	16	75.56	19.99	89.24	24.25	104.81	29.16	110.35	31.10	111.65	31.18	114.38	31.61	118.34	32.56
	18	75.56	20.33	89.24	24.79	104.81	30.19	108.71	31.83	110.02	32.03	112.74	32.37	116.91	32.92
	20	75.56	20.73	89.24	25.77	104.81	32.41	107.41	33.42	108.71	33.54	111.43	33.80	115.26	34.57
	21	75.56	20.94	89.24	26.60	104.81	33.53	106.32	34.13	107.74	34.31	110.78	34.72	114.60	35.46
	23	75.56	22.46	89.24	28.58	104.81	35.92	105.01	35.67	106.32	35.85	109.15	36.28	112.95	37.00
	25	75.56	23.88	89.24	30.47	103.16	37.47	103.38	37.30	104.69	37.37	107.84	37.91	111.63	38.53
	27	75.56	25.53	89.24	32.67	101.84	39.10	102.08	38.89	103.38	38.99	106.10	39.42	109.97	40.18
	29	75.56	27.26	89.24	34.79	100.19	40.60	100.44	40.45	101.75	40.58	104.46	41.05	108.65	41.94
	31	75.56	29.07	89.24	37.28	98.43	42.32	99.14	41.93	100.44	42.21	103.16	42.67	106.89	43.52
	33	75.56	30.92	89.24	39.59	97.11	43.86	97.51	43.59	98.81	43.81	101.52	44.26	105.24	45.16
	35	75.56	33.01	89.24	42.40	95.46	45.43	95.76	45.20	97.40	45.35	100.21	45.97	103.92	46.99
	37	75.56	35.04	89.24	44.99	94.14	47.03	94.46	46.77	95.76	47.11	98.58	47.49	102.27	48.73
	39	75.56	37.27	88.91	47.65	92.49	48.71	92.83	48.35	94.13	48.59	97.16	49.36	100.95	50.29
	41	75.56	38.34	88.15	47.99	91.72	49.10	92.06	48.78	93.48	49.12	96.51	49.41	97.97	50.71
	43	75.56	38.91	87.71	48.37	91.06	49.25	91.41	49.06	92.72	49.30	94.77	49.60	96.54	51.58
	46	75.56	39.28	87.17	48.83	90.18	49.66	90.43	49.38	91.96	49.58	92.92	49.65	95.55	52.91
	48	75.56	39.55	86.41	49.27	88.97	50.30	89.02	49.77	90.87	50.08	91.50	50.31	94.23	53.35
	50	68.00	36.47	77.77	45.34	80.08	46.20	80.12	45.66	81.78	46.04	82.35	46.16	84.81	49.10
52	54.40	29.77	62.21	37.05	64.06	37.75	64.09	37.46	65.42	37.70	65.88	37.80	67.85	40.24	
55	38.08	21.31	43.55	26.52	44.84	27.05	44.86	26.81	45.80	26.93	46.12	27.05	47.49	28.75	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.13: 32HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-15	67.87	13.03	81.87	16.43	95.94	19.73	100.67	20.83	108.18	22.57	118.01	23.79	117.89	23.98
	-10	67.87	14.08	81.87	17.69	95.94	21.35	100.67	22.46	108.18	24.32	118.01	25.71	117.89	25.82
	-5	67.87	15.16	81.87	19.12	95.94	23.06	100.67	24.28	108.18	26.37	118.01	27.75	117.89	27.94
	-2	67.87	15.49	81.87	19.33	95.94	23.26	100.67	24.50	108.18	26.48	118.01	28.02	117.89	28.11
	0	67.87	15.63	81.87	19.48	95.94	23.36	100.67	24.68	108.18	26.83	118.01	28.24	117.89	28.46
	2	67.87	15.99	81.87	19.65	95.94	23.76	100.67	24.87	108.18	27.12	118.01	28.73	117.89	28.70
	4	67.87	16.32	81.87	19.92	95.94	24.03	100.67	25.18	108.18	27.58	118.01	29.08	117.89	28.99
	6	67.87	16.46	81.87	20.13	95.94	24.29	100.67	25.60	108.18	27.87	118.01	29.38	117.89	29.49
	8	67.87	16.58	81.87	20.47	95.94	24.49	100.67	25.92	108.18	28.10	118.01	29.64	117.89	29.81
	10	67.87	16.77	81.87	20.73	95.94	24.81	100.67	26.28	108.18	28.64	118.01	29.73	117.89	30.09
	12	67.87	17.13	81.87	21.14	95.94	25.32	100.67	26.88	108.18	29.09	116.69	30.16	116.28	30.43
	14	67.87	17.50	81.87	21.48	95.94	25.81	100.67	27.32	108.18	29.69	114.93	30.49	114.98	30.58
	16	67.87	17.75	81.87	21.90	95.94	26.34	100.67	27.91	108.18	30.32	113.61	30.77	113.26	31.01
	18	67.87	18.14	81.87	22.29	95.94	26.86	100.67	28.63	108.18	31.74	111.96	32.48	111.97	31.99
	20	67.87	18.47	81.87	22.79	95.94	28.40	100.67	30.74	106.55	33.26	110.63	33.96	110.36	33.43
	21	67.87	18.67	81.87	23.48	95.94	29.46	100.67	31.96	105.79	34.05	109.64	34.82	109.71	34.24
	23	67.87	19.51	81.87	25.11	95.94	31.65	100.67	34.18	104.16	35.64	108.32	36.38	108.10	35.88
	25	67.87	20.85	81.87	26.93	95.94	33.81	100.67	36.65	102.86	37.21	106.56	38.00	106.81	37.39
	27	67.87	22.26	81.87	28.79	95.94	36.14	99.05	38.23	101.23	38.77	105.24	39.52	105.20	39.07
	29	67.87	23.74	81.87	30.63	95.94	38.66	97.76	39.81	99.92	40.39	103.59	41.27	103.80	40.55
	31	67.87	25.26	81.87	32.72	95.94	41.15	96.15	41.33	98.30	41.91	102.27	42.89	102.18	42.19
	33	67.87	26.88	81.87	34.82	95.28	43.47	94.75	42.91	96.99	43.43	100.62	44.45	100.89	43.84
	35	67.87	28.54	81.87	37.21	93.63	45.10	93.13	44.37	95.25	44.97	98.97	46.14	99.28	45.49
	37	67.87	30.48	81.87	39.57	92.32	46.73	91.84	45.87	93.62	46.61	97.53	47.64	97.67	47.00
	39	67.87	32.37	81.87	42.24	90.67	48.31	90.23	47.66	92.32	48.28	95.88	49.42	96.38	48.76
	41	67.87	32.61	81.87	42.41	89.90	48.69	89.47	47.81	91.67	48.62	94.67	49.76	93.47	48.94
	43	67.87	33.01	81.87	43.04	89.24	48.99	88.83	48.33	90.91	48.91	93.90	49.95	91.97	49.99
	46	67.87	34.12	81.87	43.36	88.36	49.34	87.86	48.77	90.15	49.45	92.91	51.36	91.11	51.20
48	67.87	35.17	81.87	46.76	87.05	49.53	86.46	49.10	89.06	49.79	91.37	51.30	89.92	51.64	
50	61.09	32.33	73.68	43.11	78.34	45.62	77.81	45.10	80.16	45.82	82.23	47.30	80.93	47.57	
52	48.87	26.45	58.94	35.30	62.67	37.32	62.25	37.00	64.13	37.52	65.79	38.69	64.74	38.95	
55	34.21	18.95	41.26	25.27	43.87	26.79	43.57	26.43	44.89	26.83	46.05	27.69	45.32	27.88	
100%	-15	61.02	11.71	72.60	14.11	84.76	16.83	90.00	18.10	97.06	19.66	108.11	22.28	115.40	23.41
	-10	61.02	12.66	72.60	15.25	84.76	18.21	90.00	19.55	97.06	21.28	108.11	24.01	115.40	25.30
	-5	61.02	13.69	72.60	16.43	84.76	19.63	90.00	21.16	97.06	23.03	108.11	25.96	115.40	27.41
	-2	61.02	13.81	72.60	16.72	84.76	19.86	90.00	21.51	97.06	23.26	108.11	26.21	115.40	27.51
	0	61.02	13.97	72.60	16.84	84.76	20.05	90.00	21.79	97.06	23.49	108.11	26.72	115.40	27.87
	2	61.02	14.27	72.60	17.06	84.76	20.35	90.00	22.06	97.06	23.80	108.11	27.11	115.40	28.32
	4	61.02	14.33	72.60	17.21	84.76	20.64	90.00	22.43	97.06	24.05	108.11	27.35	115.40	28.53
	6	61.02	14.60	72.60	17.63	84.76	20.88	90.00	22.83	97.06	24.48	108.11	27.75	115.40	29.09
	8	61.02	14.83	72.60	17.87	84.76	21.23	90.00	23.06	97.06	24.80	108.11	28.14	115.40	29.45
	10	61.02	15.01	72.60	18.18	84.76	21.57	90.00	23.49	97.06	25.29	108.11	28.67	115.40	29.99
	12	61.02	15.27	72.60	18.53	84.76	21.97	90.00	23.90	97.06	25.81	108.11	29.14	113.69	30.11
	14	61.02	15.56	72.60	18.92	84.76	22.43	90.00	24.38	97.06	26.26	108.11	29.75	112.40	30.47
	16	61.02	15.88	72.60	19.25	84.76	22.95	90.00	24.82	97.06	26.80	107.47	30.08	110.79	30.95
	18	61.02	16.15	72.60	19.64	84.76	23.34	90.00	25.32	97.06	27.25	106.20	31.13	109.50	31.63
	20	61.02	16.47	72.60	20.01	84.76	24.02	90.00	26.62	97.06	29.23	104.60	32.58	107.89	33.23
	21	61.02	16.65	72.60	20.19	84.76	24.92	90.00	27.51	97.06	30.30	103.96	33.37	107.25	34.03
	23	61.02	17.06	72.60	21.50	84.76	26.67	90.00	29.46	97.06	32.51	102.58	34.86	105.64	35.48
	25	61.02	18.17	72.60	23.06	84.76	28.52	90.00	31.66	97.06	34.73	100.99	36.43	104.24	37.01
	27	61.02	19.37	72.60	24.53	84.76	30.43	90.00	33.77	97.06	37.12	99.39	37.84	102.63	38.57
	29	61.02	20.58	72.60	26.17	84.76	32.49	90.00	36.08	96.74	39.54	98.12	39.54	101.34	40.11
	31	61.02	21.91	72.60	27.88	84.76	34.73	90.00	38.57	95.34	41.08	96.52	41.02	99.73	41.84
	33	61.02	23.32	72.60	29.75	84.76	37.10	90.00	41.09	93.73	42.53	95.25	42.51	98.44	43.39
	35	61.02	24.74	72.60	31.64	84.76	39.46	90.00	43.90	92.13	44.17	93.55	44.09	96.83	44.90
	37	61.02	26.35	72.60	33.73	84.76	42.13	88.41	45.44	90.84	45.67	92.27	45.63	95.11	46.58
	39	61.02	28.03	72.60	35.87	84.76	44.70	87.14	46.88	89.23	47.16	90.68	47.30	93.83	48.24
	41	61.02	29.30	72.60	37.18	84.76	46.49	85.76	47.21	88.48	47.89	89.08	48.36	92.54	49.18
	43	61.02	30.64	72.60	38.46	84.76	47.30	84.39	47.85	87.84	48.40	89.61	48.63	90.82	49.73
	46	61.02	32.35	72.60	40.08	84.76	48.10	82.59	48.46	87.41	49.28	88.87	49.33	89.00	50.49
48	61.02	33.81	72.60	41.48	84.76	48.13	79.20	49.02	87.30	50.10	83.45	50.04	87.06	50.91	
50	54.92	31.02	65.34	38.33	76.28	44.34	71.28	45.15	78.57	46.20	75.10	45.91	78.36	46.85	
52	43.93	25.45	52.28	31.35	61.03	36.34	57.02	36.86	62.86	37.75	60.08	37.67	62.69	38.25	
55	30.75	18.20	36.59	22.35	42.72	25.91	39.92	26.38	44.00	27.05	42.06	26.93	43.88	27.43	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table 2-8.13: 32HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-15	56.04	10.58	67.75	12.89	78.67	15.15	82.53	16.22	89.35	17.61	99.66	20.08	109.07	22.68
	-10	56.04	11.42	67.75	13.90	78.67	16.37	82.53	17.56	89.35	19.04	99.66	21.68	109.07	24.47
	-5	56.04	12.35	67.75	15.00	78.67	17.74	82.53	18.96	89.35	20.52	99.66	23.42	109.07	26.50
	-2	56.04	12.49	67.75	15.18	78.67	17.91	82.53	19.23	89.35	20.73	99.66	23.64	109.07	26.79
	0	56.04	12.64	67.75	15.40	78.67	18.17	82.53	19.47	89.35	21.00	99.66	23.89	109.07	26.94
	2	56.04	12.85	67.75	15.57	78.67	18.36	82.53	19.75	89.35	21.39	99.66	24.41	109.07	27.37
	4	56.04	13.04	67.75	15.77	78.67	18.71	82.53	20.00	89.35	21.69	99.66	24.79	109.07	27.68
	6	56.04	13.26	67.75	16.10	78.67	19.08	82.53	20.41	89.35	22.00	99.66	25.25	109.07	28.26
	8	56.04	13.51	67.75	16.40	78.67	19.44	82.53	20.68	89.35	22.36	99.66	25.72	109.07	28.41
	10	56.04	13.75	67.75	16.78	78.67	19.79	82.53	20.95	89.35	22.96	99.66	25.97	109.07	28.92
	12	56.04	14.00	67.75	17.08	78.67	20.13	82.53	21.29	89.35	23.39	99.66	26.55	109.07	29.39
	14	56.04	14.20	67.75	17.41	78.67	20.53	82.53	21.74	89.35	23.79	99.66	26.92	109.07	29.99
	16	56.04	14.42	67.75	17.71	78.67	20.94	82.53	22.14	89.35	24.25	99.66	27.47	108.75	30.46
	18	56.04	14.71	67.75	18.07	78.67	21.30	82.53	22.58	89.35	24.73	99.66	28.00	107.46	31.41
	20	56.04	15.01	67.75	18.43	78.67	21.68	82.53	23.03	89.35	25.69	99.66	30.11	105.84	32.93
	21	56.04	15.10	67.75	18.58	78.67	22.09	82.53	23.87	89.35	26.56	99.66	31.19	105.20	33.70
	23	56.04	15.38	67.75	19.30	78.67	23.64	82.53	25.54	89.35	28.52	99.66	33.57	103.48	35.28
	25	56.04	16.24	67.75	20.65	78.67	25.36	82.53	27.34	89.35	30.49	99.66	35.86	102.18	36.82
	27	56.04	17.31	67.75	22.03	78.67	27.00	82.53	29.16	89.35	32.53	99.66	38.45	100.57	38.33
	29	56.04	18.44	67.75	23.40	78.67	28.83	82.53	31.09	89.35	34.76	98.68	40.24	99.28	39.91
	31	56.04	19.54	67.75	25.02	78.67	30.74	82.53	33.17	89.35	37.17	96.93	41.65	97.67	41.60
	33	56.04	20.71	67.75	26.57	78.67	32.84	82.53	35.44	89.35	39.59	95.62	43.35	96.38	43.10
	35	56.04	22.09	67.75	28.24	78.67	34.82	82.53	37.77	89.35	42.19	93.99	44.88	94.66	44.75
	37	56.04	23.43	67.75	29.95	78.67	37.07	82.53	40.21	89.35	45.02	92.35	46.49	93.36	46.16
	39	56.04	24.79	67.75	32.01	78.67	39.54	82.53	42.79	89.35	47.94	91.04	48.02	91.75	47.76
41	56.04	25.64	67.75	33.33	78.67	40.99	82.53	43.96	89.35	48.19	90.39	49.38	91.11	48.99	
43	56.04	26.93	67.75	34.91	78.67	42.31	82.53	45.05	89.35	49.21	89.95	49.98	90.35	49.80	
46	56.04	28.61	67.75	36.54	78.67	44.12	82.53	46.52	89.35	50.62	89.41	50.40	88.95	50.31	
48	56.04	30.19	67.75	38.26	78.67	45.79	82.53	47.25	89.35	51.01	88.64	51.11	86.59	51.14	
50	50.44	27.78	60.97	35.17	70.80	42.09	74.27	43.39	80.42	46.85	79.78	47.17	77.93	46.97	
52	40.35	22.75	48.78	28.80	56.64	34.43	59.42	35.53	64.33	38.36	63.82	38.62	62.34	38.50	
55	28.25	16.27	34.14	20.65	39.65	24.67	41.59	25.48	45.03	27.51	44.68	27.54	43.64	27.45	
80%	-15	50.37	9.45	59.53	11.06	69.59	13.20	73.43	13.79	78.09	14.80	89.52	17.51	99.01	20.00
	-10	50.37	10.22	59.53	11.98	69.59	14.24	73.43	14.90	78.09	15.99	89.52	18.93	99.01	21.57
	-5	50.37	11.04	59.53	12.91	69.59	15.38	73.43	16.13	78.09	17.32	89.52	20.40	99.01	23.26
	-2	50.37	11.18	59.53	13.06	69.59	15.51	73.43	16.37	78.09	17.41	89.52	20.67	99.01	23.51
	0	50.37	11.40	59.53	13.24	69.59	15.72	73.43	16.55	78.09	17.78	89.52	20.96	99.01	23.88
	2	50.37	11.63	59.53	13.43	69.59	15.96	73.43	16.86	78.09	18.10	89.52	21.36	99.01	24.33
	4	50.37	11.83	59.53	13.66	69.59	16.29	73.43	17.26	78.09	18.36	89.52	21.74	99.01	24.61
	6	50.37	11.99	59.53	13.98	69.59	16.51	73.43	17.67	78.09	18.71	89.52	22.06	99.01	24.98
	8	50.37	12.26	59.53	14.34	69.59	16.93	73.43	17.89	78.09	19.12	89.52	22.43	99.01	25.54
	10	50.37	12.35	59.53	14.62	69.59	17.38	73.43	18.37	78.09	19.60	89.52	22.95	99.01	25.80
	12	50.37	12.50	59.53	14.90	69.59	17.64	73.43	18.74	78.09	20.00	89.52	23.30	99.01	26.25
	14	50.37	12.73	59.53	15.17	69.59	17.94	73.43	18.98	78.09	20.33	89.52	23.71	99.01	26.74
	16	50.37	12.92	59.53	15.40	69.59	18.31	73.43	19.35	78.09	20.75	89.52	24.28	99.01	27.25
	18	50.37	13.19	59.53	15.71	69.59	18.71	73.43	19.76	78.09	21.17	89.52	24.68	99.01	27.74
	20	50.37	13.43	59.53	16.04	69.59	19.06	73.43	20.13	78.09	21.57	89.52	25.63	99.01	29.77
	21	50.37	13.58	59.53	16.11	69.59	19.25	73.43	20.41	78.09	22.04	89.52	26.52	99.01	30.74
	23	50.37	13.82	59.53	16.51	69.59	20.11	73.43	21.72	78.09	23.58	89.52	28.38	99.01	33.11
	25	50.37	14.19	59.53	17.49	69.59	21.52	73.43	23.15	78.09	25.13	89.52	30.49	99.01	35.28
	27	50.37	15.14	59.53	18.71	69.59	22.87	73.43	24.70	78.09	26.96	89.52	32.57	99.01	37.91
	29	50.37	16.07	59.53	19.91	69.59	24.48	73.43	26.36	78.09	28.77	89.52	34.66	99.01	40.40
	31	50.37	17.05	59.53	21.10	69.59	26.01	73.43	28.15	78.09	30.59	89.52	37.02	97.26	42.02
	33	50.37	18.14	59.53	22.51	69.59	27.68	73.43	29.96	78.09	32.64	89.52	39.45	95.94	43.67
	35	50.37	19.29	59.53	23.91	69.59	29.43	73.43	31.85	78.09	34.71	89.52	42.15	94.29	45.17
	37	50.37	20.43	59.53	25.40	69.59	31.32	73.43	33.86	78.09	37.08	89.52	44.81	92.97	46.70
	39	50.37	21.63	59.53	27.04	69.59	33.35	73.43	36.04	78.09	39.30	89.52	47.90	91.33	48.29
41	50.37	22.10	59.53	27.31	69.59	33.90	73.43	36.96	78.09	40.10	89.52	49.07	90.78	49.18	
43	50.37	22.80	59.53	27.52	69.59	34.26	73.43	37.75	78.09	40.65	89.52	49.50	90.23	49.71	
46	50.37	23.46	59.53	27.81	69.59	35.05	73.43	38.43	78.09	41.32	89.52	50.14	89.02	50.53	
48	50.37	24.21	59.53	28.01	69.59	35.45	73.43	39.01	78.09	41.68	89.52	50.60	88.36	51.32	
50	45.33	22.22	53.58	25.80	62.63	32.75	66.09	35.80	70.28	38.32	80.57	46.61	79.53	47.13	
52	36.27	18.19	42.86	21.08	50.11	26.76	52.87	29.37	56.23	31.31	64.46	38.05	63.62	38.63	
55	25.39	13.02	30.00	15.08	35.08	19.14	37.01	21.02	39.36	22.48	45.12	27.24	44.54	27.54	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.13: 32HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	43.26	8.29	52.18	9.78	59.81	10.95	65.38	12.01	68.33	12.55	78.16	14.67	84.95	16.52
	-10	43.26	8.92	52.18	10.56	59.81	11.84	65.38	12.96	68.33	13.55	78.16	15.84	84.95	17.86
	-5	43.26	9.67	52.18	11.40	59.81	12.77	65.38	13.98	68.33	14.69	78.16	17.18	84.95	19.25
	-2	43.26	9.75	52.18	11.44	59.81	12.87	65.38	14.27	68.33	14.94	78.16	17.43	84.95	19.57
	0	43.26	9.81	52.18	11.64	59.81	13.16	65.38	14.54	68.33	15.21	78.16	17.75	84.95	19.80
	2	43.26	9.83	52.18	11.68	59.81	13.35	65.38	14.85	68.33	15.46	78.16	18.13	84.95	20.15
	4	43.26	9.95	52.18	11.98	59.81	13.64	65.38	15.12	68.33	15.77	78.16	18.44	84.95	20.62
	6	43.26	10.13	52.18	12.17	59.81	13.96	65.38	15.59	68.33	16.14	78.16	18.80	84.95	20.95
	8	43.26	10.29	52.18	12.52	59.81	14.26	65.38	15.81	68.33	16.51	78.16	19.34	84.95	21.36
	10	43.26	10.52	52.18	12.70	59.81	14.70	65.38	16.15	68.33	16.93	78.16	19.72	84.95	21.59
	12	43.26	10.81	52.18	12.88	59.81	14.94	65.38	16.45	68.33	17.26	78.16	20.03	84.95	22.10
	14	43.26	10.94	52.18	13.16	59.81	15.22	65.38	16.70	68.33	17.59	78.16	20.43	84.95	22.43
	16	43.26	11.16	52.18	13.38	59.81	15.48	65.38	17.06	68.33	17.87	78.16	20.78	84.95	22.84
	18	43.26	11.34	52.18	13.63	59.81	15.79	65.38	17.38	68.33	18.25	78.16	21.24	84.95	23.41
	20	43.26	11.50	52.18	13.90	59.81	16.08	65.38	17.66	68.33	18.53	78.16	21.65	84.95	24.04
	21	43.26	11.60	52.18	13.97	59.81	16.25	65.38	17.82	68.33	18.75	78.16	21.99	84.95	24.90
	23	43.26	11.80	52.18	14.23	59.81	16.57	65.38	18.45	68.33	19.68	78.16	23.51	84.95	26.59
	25	43.26	12.01	52.18	14.83	59.81	17.64	65.38	19.77	68.33	20.97	78.16	25.22	84.95	28.54
	27	43.26	12.72	52.18	15.76	59.81	18.81	65.38	21.04	68.33	22.48	78.16	26.90	84.95	30.48
	29	43.26	13.52	52.18	16.75	59.81	20.05	65.38	22.40	68.33	23.86	78.16	28.70	84.95	32.46
	31	43.26	14.29	52.18	17.79	59.81	21.28	65.38	23.81	68.33	25.47	78.16	30.58	84.95	34.73
	33	43.26	15.20	52.18	18.89	59.81	22.69	65.38	25.33	68.33	27.03	78.16	32.60	84.95	37.06
	35	43.26	16.09	52.18	20.03	59.81	24.11	65.38	26.97	68.33	28.83	78.16	34.66	84.95	39.42
	37	43.26	16.98	52.18	21.30	59.81	25.58	65.38	28.56	68.33	30.68	78.16	36.84	84.95	41.98
	39	43.26	17.96	52.18	22.56	59.81	27.09	65.38	30.38	68.33	32.49	78.16	39.26	84.95	44.67
	41	43.26	18.80	52.18	23.32	59.81	27.91	65.38	31.36	68.33	33.61	78.16	40.92	84.95	46.65
	43	43.26	20.29	52.18	24.97	59.81	29.03	65.38	33.17	68.33	34.51	78.16	42.37	84.95	48.09
	46	43.26	20.72	52.18	25.49	59.81	29.64	65.38	33.70	68.33	36.18	78.16	44.66	84.95	50.04
	48	43.26	21.20	52.18	25.62	59.81	30.06	65.38	34.22	68.33	37.18	78.16	46.67	84.95	51.27
	50	38.93	19.47	46.97	23.51	53.82	27.64	58.84	31.46	61.50	34.28	70.34	43.07	76.46	47.23
52	31.15	15.90	37.57	19.25	43.06	22.65	47.07	25.78	49.20	27.99	56.27	35.20	61.16	38.63	
55	21.80	11.42	26.30	13.80	30.14	16.16	32.95	18.42	34.44	20.11	39.39	25.14	42.81	27.54	
60%	-15	36.97	7.04	44.53	8.24	51.41	9.54	55.07	10.17	59.78	11.21	66.32	12.43	74.46	14.45
	-10	36.97	7.61	44.53	8.93	51.41	10.32	55.07	10.97	59.78	12.10	66.32	13.41	74.46	15.55
	-5	36.97	8.23	44.53	9.62	51.41	11.11	55.07	11.88	59.78	13.08	66.32	14.51	74.46	16.79
	-2	36.97	8.29	44.53	9.79	51.41	11.33	55.07	12.02	59.78	13.20	66.32	14.74	74.46	16.97
	0	36.97	8.39	44.53	9.90	51.41	11.47	55.07	12.18	59.78	13.43	66.32	14.95	74.46	17.18
	2	36.97	8.55	44.53	10.14	51.41	11.69	55.07	12.41	59.78	13.62	66.32	15.22	74.46	17.38
	4	36.97	8.77	44.53	10.30	51.41	11.92	55.07	12.56	59.78	13.80	66.32	15.46	74.46	17.63
	6	36.97	8.89	44.53	10.49	51.41	12.17	55.07	12.88	59.78	14.11	66.32	15.80	74.46	18.05
	8	36.97	9.05	44.53	10.67	51.41	12.38	55.07	13.08	59.78	14.39	66.32	16.08	74.46	18.33
	10	36.97	9.24	44.53	10.94	51.41	12.54	55.07	13.48	59.78	14.65	66.32	16.41	74.46	18.55
	12	36.97	9.43	44.53	11.12	51.41	12.78	55.07	13.70	59.78	14.87	66.32	16.70	74.46	18.91
	14	36.97	9.52	44.53	11.30	51.41	13.00	55.07	13.92	59.78	15.20	66.32	16.99	74.46	19.27
	16	36.97	9.66	44.53	11.48	51.41	13.24	55.07	14.22	59.78	15.44	66.32	17.33	74.46	19.62
	18	36.97	9.84	44.53	11.62	51.41	13.45	55.07	14.41	59.78	15.74	66.32	17.63	74.46	19.94
	20	36.97	9.96	44.53	11.90	51.41	13.67	55.07	14.70	59.78	16.02	66.32	17.93	74.46	20.45
	21	36.97	10.08	44.53	11.92	51.41	13.83	55.07	14.82	59.78	16.18	66.32	18.15	74.46	20.59
	23	36.97	10.17	44.53	12.19	51.41	14.06	55.07	15.17	59.78	16.51	66.32	18.82	74.46	21.88
	25	36.97	10.34	44.53	12.33	51.41	14.60	55.07	15.90	59.78	17.50	66.32	20.09	74.46	23.38
	27	36.97	10.79	44.53	13.12	51.41	15.54	55.07	16.96	59.78	18.65	66.32	21.43	74.46	24.91
	29	36.97	11.39	44.53	13.90	51.41	16.53	55.07	18.04	59.78	19.88	66.32	22.87	74.46	26.64
	31	36.97	12.11	44.53	14.73	51.41	17.54	55.07	19.14	59.78	21.15	66.32	24.36	74.46	28.39
	33	36.97	12.72	44.53	15.68	51.41	18.66	55.07	20.33	59.78	22.47	66.32	25.92	74.46	30.27
	35	36.97	13.52	44.53	16.63	51.41	19.72	55.07	21.56	59.78	23.91	66.32	27.51	74.46	32.16
	37	36.97	14.25	44.53	17.59	51.41	20.95	55.07	22.94	59.78	25.38	66.32	29.30	74.46	34.33
	39	36.97	15.03	44.53	18.61	51.41	22.24	55.07	24.22	59.78	26.99	66.32	31.03	74.46	36.41
	41	36.97	15.52	44.53	19.40	51.41	23.01	55.07	25.27	59.78	27.87	66.32	32.53	74.46	38.06
	43	36.97	15.99	44.53	20.19	51.41	23.77	55.07	25.94	59.78	28.92	66.32	34.01	74.46	39.74
	46	36.97	16.79	44.53	21.19	51.41	24.73	55.07	26.91	59.78	30.36	66.32	35.44	74.46	42.03
	48	36.97	17.44	44.53	22.19	51.41	25.58	55.07	27.68	59.78	31.44	66.32	36.76	74.46	44.02
	50	33.27	15.99	40.08	20.42	46.27	23.59	49.56	25.42	53.80	28.93	59.69	33.86	67.01	40.43
52	26.62	13.12	32.06	16.70	37.01	19.28	39.65	20.78	43.04	23.73	47.75	27.59	53.61	33.10	
55	18.63	9.38	22.44	11.93	25.91	13.84	27.76	14.87	30.13	16.97	33.42	19.82	37.53	23.72	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.13:32HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		20.8/14		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-15	31.56	6.26	36.89	7.09	43.73	8.32	46.70	8.69	49.28	9.09	55.12	10.34	61.96	11.24
	-10	31.56	6.76	36.89	7.62	43.73	8.98	46.70	9.38	49.28	9.82	55.12	11.13	61.96	12.12
	-5	31.56	7.30	36.89	8.27	43.73	9.68	46.70	10.13	49.28	10.60	55.12	12.06	61.96	13.11
	-2	31.56	7.33	36.89	8.40	43.73	9.77	46.70	10.29	49.28	10.79	55.12	12.17	61.96	13.23
	0	31.56	7.46	36.89	8.54	43.73	9.96	46.70	10.44	49.28	10.90	55.12	12.40	61.96	13.45
	2	31.56	7.57	36.89	8.66	43.73	10.13	46.70	10.59	49.28	11.12	55.12	12.44	61.96	13.77
	4	31.56	7.65	36.89	8.79	43.73	10.25	46.70	10.71	49.28	11.36	55.12	12.73	61.96	14.09
	6	31.56	7.79	36.89	8.93	43.73	10.41	46.70	10.92	49.28	11.55	55.12	12.94	61.96	14.48
	8	31.56	7.96	36.89	9.11	43.73	10.59	46.70	11.19	49.28	11.69	55.12	13.19	61.96	14.98
	10	31.56	8.15	36.89	9.21	43.73	10.74	46.70	11.37	49.28	12.03	55.12	13.49	61.96	15.20
	12	31.56	8.21	36.89	9.30	43.73	10.93	46.70	11.58	49.28	12.31	55.12	13.72	61.96	15.46
	14	31.56	8.32	36.89	9.47	43.73	11.07	46.70	11.81	49.28	12.45	55.12	13.99	61.96	15.77
	16	31.56	8.46	36.89	9.55	43.73	11.22	46.70	12.03	49.28	12.66	55.12	14.23	61.96	15.99
	18	31.56	8.57	36.89	9.73	43.73	11.43	46.70	12.20	49.28	12.87	55.12	14.45	61.96	16.31
	20	31.56	8.68	36.89	9.86	43.73	11.58	46.70	12.37	49.28	13.11	55.12	14.68	61.96	16.60
	21	31.56	8.76	36.89	9.97	43.73	11.72	46.70	12.48	49.28	13.26	55.12	14.91	61.96	16.78
	23	31.56	8.89	36.89	10.12	43.73	11.87	46.70	12.72	49.28	13.50	55.12	15.12	61.96	17.12
	25	31.56	9.00	36.89	10.29	43.73	12.14	46.70	13.01	49.28	13.94	55.12	15.87	61.96	18.29
	27	31.56	9.15	36.89	10.70	43.73	12.79	46.70	13.85	49.28	14.73	55.12	16.96	61.96	19.46
	29	31.56	9.66	36.89	11.27	43.73	13.60	46.70	14.65	49.28	15.70	55.12	17.99	61.96	20.75
31	31.56	10.20	36.89	11.94	43.73	14.41	46.70	15.61	49.28	16.66	55.12	19.11	61.96	22.12	
33	31.56	10.82	36.89	12.67	43.73	15.28	46.70	16.52	49.28	17.69	55.12	20.31	61.96	23.50	
35	31.56	11.44	36.89	13.39	43.73	16.15	46.70	17.48	49.28	18.69	55.12	21.65	61.96	24.96	
37	31.56	12.01	36.89	14.12	43.73	17.13	46.70	18.49	49.28	19.87	55.12	22.96	61.96	26.53	
39	31.56	12.72	36.89	14.88	43.73	18.10	46.70	19.62	49.28	21.04	55.12	24.36	61.96	28.19	
41	31.56	13.21	36.89	15.58	43.73	18.70	46.70	20.54	49.28	22.03	55.12	25.66	61.96	29.53	
43	31.56	14.06	36.89	16.60	43.73	19.36	46.70	21.45	49.28	22.55	55.12	26.97	61.96	30.78	
46	31.56	14.40	36.89	17.07	43.73	20.74	46.70	23.08	49.28	23.52	55.12	29.45	61.96	33.40	
48	31.56	14.69	36.89	17.42	43.73	21.80	46.70	24.67	49.28	24.60	55.12	31.79	61.96	36.00	
50	28.41	13.54	33.20	16.05	39.36	20.10	42.03	22.72	44.35	22.62	49.61	29.31	55.76	33.13	
52	22.73	11.06	26.56	13.14	31.49	16.46	33.62	18.53	35.48	18.52	39.69	23.90	44.61	27.05	
55	15.91	7.93	18.59	9.40	22.04	11.78	23.54	13.29	24.84	13.27	27.78	17.14	31.23	19.32	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

## 8.2 Heating Capacity Tables

Table2-8.14:8HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-30.0	-30.5	21.27	6.10	21.40	6.27	20.67	6.44	20.42	6.55	20.86	6.89	20.74	7.00
	-25.0	-25.4	21.71	6.09	21.83	6.26	21.09	6.44	20.84	6.55	21.28	6.89	21.17	6.99
	-19.8	-20.0	22.82	6.27	22.95	6.47	22.56	6.69	22.27	6.81	22.77	7.15	22.69	7.24
	-18.8	-19.0	23.00	6.37	23.12	6.54	22.73	6.75	22.54	6.88	22.95	7.23	22.86	7.28
	-16.7	-17.0	23.35	6.46	23.49	6.66	23.08	6.84	22.88	6.96	23.31	7.29	23.22	7.43
	-13.7	-15.0	23.70	6.53	23.84	6.77	23.43	6.94	23.23	7.07	23.67	7.41	23.57	7.51
	-11.8	-13.0	24.06	6.63	24.20	6.86	23.78	7.09	23.57	7.21	24.02	7.56	24.02	7.64
	-9.8	-11.0	24.41	6.74	24.55	6.99	24.14	7.14	23.93	7.28	24.47	7.63	24.37	7.64
	-9.5	-10.0	24.58	6.84	24.73	7.06	24.40	7.26	24.10	7.37	24.64	7.74	24.55	7.74
	-8.5	-9.1	24.76	6.92	24.90	7.18	24.49	7.36	24.28	7.47	24.82	7.82	24.73	7.83
	-7.0	-7.6	25.03	6.95	25.17	7.27	24.84	7.42	24.53	7.53	25.08	7.93	25.00	7.93
	-5.0	-5.6	26.97	7.24	27.13	7.46	26.69	7.66	26.45	7.81	26.95	7.97	26.86	8.03
	-3.0	-3.7	27.32	7.40	27.49	7.59	27.04	7.76	26.80	7.94	27.31	8.09	27.23	8.12
	0.0	-0.7	27.84	7.63	28.03	7.66	27.56	7.88	27.32	8.03	27.84	8.19	27.84	8.20
	3.0	2.2	30.76	8.09	30.69	8.16	30.19	8.27	29.84	8.34	30.51	8.62	30.42	8.71
	5.0	4.1	38.24	9.74	37.06	9.71	35.99	9.54	34.28	9.18	33.63	9.26	30.87	8.86
	7.0	6.0	38.86	9.83	37.77	9.47	35.99	9.10	34.28	8.78	33.63	8.91	30.87	8.56
	9.0	7.9	38.86	9.35	37.77	9.03	35.99	8.83	34.28	8.62	33.63	8.66	30.87	8.38
	11.0	9.8	38.86	8.90	37.77	8.66	35.99	8.52	34.28	8.33	33.63	8.42	30.87	8.06
	13.0	11.8	38.86	8.48	37.77	8.38	35.99	8.27	34.28	8.20	33.63	8.22	30.87	7.90
15.0	13.7	38.86	8.20	37.77	8.21	35.99	8.05	34.28	7.87	33.63	7.99	30.87	7.62	
18.0	16.6	39.28	7.72	38.06	7.70	36.17	7.53	34.37	7.34	33.64	7.43	30.87	7.09	
21.0	19.5	39.51	7.17	38.16	7.13	36.17	6.95	34.37	6.79	33.64	6.88	30.87	6.55	
24.0	22.4	39.55	6.62	38.16	6.57	36.17	6.43	34.37	6.25	33.64	6.34	30.87	6.05	
27.0	25.3	39.55	6.07	38.16	6.04	36.17	5.89	34.37	5.75	33.64	5.83	30.87	5.56	
30.0	28.1	39.55	5.55	38.16	5.51	36.17	5.38	34.37	5.24	33.64	5.31	30.87	5.06	
120%	-30.0	-30.5	21.23	6.69	21.12	6.95	21.10	7.18	21.06	7.38	20.56	7.38	20.74	7.58
	-25.0	-25.4	21.67	6.71	21.55	6.95	21.53	7.18	21.49	7.36	20.98	7.38	21.16	7.60
	-19.8	-20.0	22.97	6.90	22.86	7.11	22.77	7.30	22.79	7.49	22.27	7.52	22.44	7.74
	-18.8	-19.0	23.15	6.99	23.04	7.11	22.94	7.44	22.97	7.60	22.45	7.64	22.62	7.83
	-16.7	-17.0	23.51	7.07	23.39	7.22	23.31	7.53	23.33	7.71	22.79	7.74	23.06	7.84
	-13.7	-15.0	23.86	7.17	23.75	7.37	23.66	7.57	23.68	7.76	23.23	7.79	23.41	7.93
	-11.8	-13.0	24.21	7.29	24.11	7.44	24.05	7.67	24.04	7.84	23.58	7.87	23.77	8.02
	-9.8	-11.0	24.58	7.31	24.46	7.49	24.46	7.77	24.40	7.95	23.93	7.97	24.12	8.17
	-9.5	-10.0	24.75	7.41	24.64	7.56	24.64	7.82	24.58	8.01	24.11	8.00	24.30	8.26
	-8.5	-9.1	24.93	7.48	24.81	7.65	24.81	7.90	24.75	8.09	24.28	8.11	24.47	8.28
	-7.0	-7.6	25.20	7.61	25.08	7.80	25.08	8.00	25.02	8.17	24.54	8.18	24.74	8.38
	-5.0	-5.6	27.15	7.67	27.04	7.85	26.95	8.08	26.98	8.26	26.46	8.27	26.69	8.50
	-3.0	-3.7	27.52	7.81	27.40	7.98	27.30	8.19	27.33	8.35	26.72	8.36	27.04	8.58
	0.0	-0.7	28.05	7.90	27.93	8.08	27.84	8.23	27.87	8.42	27.34	8.45	27.56	8.62
	3.0	2.2	30.63	8.37	30.60	8.61	30.51	8.66	30.45	8.83	29.86	8.84	28.27	8.52
	5.0	4.1	38.55	9.39	36.21	9.31	33.62	9.16	32.31	8.96	30.47	8.69	28.27	8.28
	7.0	6.0	38.82	9.33	36.21	8.91	33.62	8.67	32.31	8.54	30.47	8.32	28.27	8.08
	9.0	7.9	38.82	8.92	36.21	8.51	33.62	8.43	32.31	8.26	30.47	8.09	28.27	7.83
	11.0	9.8	38.82	8.65	36.21	8.33	33.62	8.14	32.31	8.02	30.47	7.78	28.27	7.54
	13.0	11.8	38.82	8.41	36.21	8.12	33.62	7.89	32.31	7.89	30.47	7.64	28.27	7.39
15.0	13.7	38.82	8.25	36.21	7.88	33.62	7.68	32.31	7.61	30.47	7.40	28.27	7.12	
18.0	16.6	39.24	7.75	36.48	7.39	33.79	7.18	32.40	7.08	30.49	6.87	28.27	6.63	
21.0	19.5	39.47	7.21	36.58	6.86	33.79	6.65	32.40	6.56	30.49	6.36	28.27	6.13	
24.0	22.4	39.50	6.65	36.58	6.33	33.79	6.13	32.40	6.04	30.49	5.86	28.27	5.65	
27.0	25.3	39.50	6.11	36.58	5.79	33.79	5.63	32.40	5.54	30.49	5.38	28.27	5.19	
30.0	28.1	39.50	5.57	36.58	5.29	33.79	5.13	32.40	5.06	30.49	4.92	28.27	4.74	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.14:8HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-30.0	-30.5	21.29	6.83	20.95	6.92	21.08	7.14	20.93	6.99	21.04	7.18	20.83	7.30
	-25.0	-25.4	21.73	6.83	21.37	6.90	21.51	7.14	21.36	6.99	21.47	7.18	21.25	7.30
	-19.8	-20.0	22.66	6.92	22.31	7.00	22.49	7.24	22.29	7.08	22.40	7.29	22.18	7.39
	-18.8	-19.0	22.84	7.02	22.48	7.11	22.66	7.36	22.47	7.09	22.57	7.36	22.35	7.42
	-16.7	-17.0	23.19	7.15	22.84	7.22	23.01	7.45	22.81	7.22	23.01	7.44	22.71	7.50
	-13.7	-15.0	23.55	7.20	23.18	7.26	23.36	7.52	23.16	7.26	23.36	7.46	23.06	7.58
	-11.8	-13.0	23.90	7.30	23.53	7.38	23.81	7.63	23.52	7.35	23.72	7.56	23.40	7.66
	-9.8	-11.0	24.25	7.30	23.89	7.39	24.17	7.62	23.86	7.48	24.07	7.64	23.75	7.76
	-9.5	-10.0	24.42	7.39	24.14	7.45	24.34	7.71	24.04	7.51	24.25	7.76	23.93	7.84
	-8.5	-9.1	24.60	7.47	24.23	7.55	24.52	7.77	24.21	7.57	24.42	7.82	24.11	7.95
	-7.0	-7.6	24.87	7.54	24.50	7.63	24.78	7.86	24.48	7.69	24.69	7.90	24.36	7.96
	-5.0	-5.6	26.81	7.65	26.41	7.70	26.64	7.96	26.40	7.77	26.64	7.96	25.58	7.86
	-3.0	-3.7	27.16	7.70	26.75	7.79	26.99	8.02	26.75	7.82	26.99	8.06	25.58	7.74
	0.0	-0.7	27.68	7.88	27.28	7.96	27.60	8.22	27.27	7.88	27.51	8.13	25.58	7.62
	3.0	2.2	30.25	8.23	29.90	8.30	30.15	8.56	29.11	8.19	28.22	8.20	25.58	7.58
	5.0	4.1	35.28	9.01	32.51	8.87	30.60	8.37	29.11	8.06	28.22	7.99	25.58	7.54
	7.0	6.0	35.28	8.66	32.51	8.36	30.60	7.93	29.11	7.68	28.22	7.62	25.58	7.35
	9.0	7.9	35.28	8.27	32.51	7.91	30.60	7.65	29.11	7.46	28.22	7.45	25.58	7.23
	11.0	9.8	35.28	7.97	32.51	7.60	30.60	7.44	29.11	7.20	28.22	7.22	25.58	7.00
	13.0	11.8	35.28	7.74	32.51	7.36	30.60	7.21	29.11	6.99	28.22	6.97	25.58	6.75
15.0	13.7	35.28	7.53	32.51	7.12	30.60	6.96	29.11	6.74	28.22	6.73	25.58	6.50	
18.0	16.6	35.66	7.08	32.76	6.70	30.75	6.51	29.18	6.29	28.23	6.27	25.58	6.04	
21.0	19.5	35.87	6.58	32.85	6.20	30.75	6.04	29.18	5.84	28.23	5.80	25.58	5.60	
24.0	22.4	35.90	6.09	32.85	5.72	30.75	5.56	29.18	5.38	28.23	5.35	25.58	5.16	
27.0	25.3	35.90	5.58	32.85	5.25	30.75	5.09	29.18	4.92	28.23	4.90	25.58	4.74	
30.0	28.1	35.90	5.09	32.85	4.80	30.75	4.65	29.18	4.50	28.23	4.48	25.58	4.32	
100%	-30.0	-30.5	21.04	8.42	20.96	8.51	20.54	8.52	20.91	8.66	20.64	8.62	20.56	8.73
	-25.0	-25.4	21.47	8.44	21.38	8.52	20.96	8.51	21.33	8.68	21.06	8.61	20.98	8.72
	-19.8	-20.0	22.46	8.42	22.38	8.53	21.94	8.57	22.33	8.68	22.05	8.62	21.97	8.65
	-18.8	-19.0	22.82	8.44	22.73	8.54	22.29	8.58	22.69	8.69	22.40	8.63	22.31	8.58
	-16.7	-17.0	23.16	8.46	23.07	8.55	22.71	8.59	23.03	8.71	22.74	8.67	22.65	8.54
	-13.7	-15.0	23.51	8.47	23.43	8.57	23.06	8.61	23.38	8.71	23.08	8.65	23.00	8.46
	-11.8	-13.0	23.86	8.48	23.77	8.59	23.40	8.62	23.73	8.73	23.43	8.67	23.00	8.37
	-9.8	-11.0	24.04	8.50	24.04	8.58	23.57	8.64	23.99	8.74	23.61	8.70	23.00	8.33
	-9.5	-10.0	24.21	8.51	24.12	8.59	23.74	8.65	24.08	8.74	23.78	8.69	23.00	8.26
	-8.5	-9.1	24.47	8.51	24.47	8.60	24.00	8.69	24.34	8.77	24.03	8.69	23.00	8.16
	-7.0	-7.6	26.38	8.52	26.30	8.61	25.89	8.87	26.26	9.09	25.06	8.52	23.00	8.11
	-5.0	-5.6	26.73	8.54	26.65	8.61	26.23	8.64	26.43	8.83	25.06	8.27	23.00	7.90
	-3.0	-3.7	27.26	8.55	27.16	8.62	26.74	8.37	26.43	8.33	25.06	8.02	23.00	7.61
	0.0	-0.7	27.95	8.57	29.52	8.62	27.00	8.13	26.43	7.92	25.06	7.61	23.00	7.29
	3.0	2.2	29.78	8.38	29.52	8.41	27.00	7.91	26.43	7.56	25.06	7.16	23.00	6.94
	5.0	4.1	31.60	8.25	29.52	8.00	27.00	7.54	26.43	7.20	25.06	6.89	23.00	6.62
	7.0	6.0	31.60	8.14	29.52	7.58	27.00	7.05	26.43	6.83	25.06	6.58	23.00	6.32
	9.0	7.9	31.60	7.68	29.52	7.17	27.00	6.85	26.43	6.67	25.06	6.41	23.00	6.13
	11.0	9.8	31.60	7.20	29.52	6.75	27.00	6.63	26.43	6.39	25.06	6.17	23.00	5.89
	13.0	11.8	31.60	6.74	29.52	6.58	27.00	6.37	26.43	6.15	25.06	5.94	23.00	5.68
15.0	13.7	31.60	6.42	29.52	6.30	27.00	6.14	26.43	5.95	25.06	5.75	23.00	5.46	
18.0	16.6	31.60	5.97	29.52	5.85	27.00	5.70	26.43	5.53	25.06	5.34	23.00	5.06	
21.0	19.5	31.60	5.53	29.52	5.43	27.00	5.29	26.43	5.12	25.06	4.94	23.00	4.70	
24.0	22.4	31.60	5.08	29.52	4.99	27.00	4.87	26.43	4.72	25.06	4.56	23.00	4.32	
27.0	25.3	31.60	4.67	29.52	4.59	27.00	4.47	26.43	4.32	25.06	4.17	23.00	3.97	
30.0	28.1	31.60	4.27	29.52	4.18	27.00	4.09	26.43	3.95	25.06	3.82	23.00	3.62	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.14: 8HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	21.14	8.53	20.83	8.53	20.80	8.62	20.98	8.84	20.74	8.75	20.90	8.37
	-25.0	-25.4	21.57	8.53	21.25	8.51	21.22	8.64	21.41	8.83	21.16	8.75	21.33	8.36
	-19.8	-20.0	22.49	8.67	22.18	8.66	22.14	8.76	22.36	8.93	22.10	8.87	21.33	8.18
	-18.8	-19.0	22.66	8.69	22.35	8.66	22.32	8.79	22.53	8.94	22.27	8.83	21.33	8.11
	-16.7	-17.0	23.01	8.70	22.71	8.70	22.75	8.82	22.88	8.95	22.62	8.64	21.33	7.93
	-13.7	-15.0	23.36	8.69	23.06	8.70	23.10	8.84	23.23	8.96	22.88	8.47	21.33	7.79
	-11.8	-13.0	23.72	8.73	23.40	8.71	23.45	8.84	23.59	8.82	22.88	8.30	21.33	7.64
	-9.8	-11.0	24.07	8.74	23.84	8.73	23.80	8.83	24.03	8.66	22.88	8.14	21.33	7.48
	-9.5	-10.0	24.25	8.74	24.01	8.75	23.98	8.86	24.12	8.59	22.88	8.08	21.33	7.40
	-8.5	-9.1	24.42	8.75	24.11	8.73	24.15	8.85	24.12	8.49	22.88	8.01	21.33	7.33
	-7.0	-7.6	24.69	8.77	24.45	8.64	24.41	8.70	24.12	8.39	22.88	7.87	21.33	7.25
	-5.0	-5.6	26.64	8.80	26.29	8.28	24.85	8.34	24.12	8.09	22.88	7.65	21.33	7.04
	-3.0	-3.7	26.99	8.78	26.63	7.90	24.85	7.92	24.12	7.81	22.88	7.39	21.33	6.86
	0.0	-0.7	27.51	8.81	26.63	7.49	24.85	7.59	24.12	7.45	22.88	7.03	21.33	6.68
	3.0	2.2	28.84	8.80	26.63	7.10	24.85	7.16	24.12	7.15	22.88	6.72	21.33	6.45
	5.0	4.1	28.84	8.60	26.63	6.74	24.85	6.85	24.12	6.79	22.88	6.41	21.33	6.19
	7.0	6.0	28.84	7.48	26.63	6.62	24.85	6.39	24.12	6.21	22.88	5.90	21.33	5.51
	9.0	7.9	28.84	7.00	26.63	6.51	24.85	6.07	24.12	5.92	22.88	5.63	21.33	5.29
	11.0	9.8	28.84	6.60	26.63	6.15	24.85	5.79	24.12	5.65	22.88	5.40	21.33	5.12
	13.0	11.8	28.84	6.23	26.63	5.86	24.85	5.52	24.12	5.41	22.88	5.18	21.33	4.93
15.0	13.7	28.84	5.98	26.63	5.62	24.85	5.34	24.12	5.24	22.88	5.04	21.33	4.82	
18.0	16.6	28.84	5.58	26.63	5.24	24.85	4.97	24.12	4.88	22.88	4.68	21.33	4.49	
21.0	19.5	28.84	5.16	26.63	4.84	24.85	4.59	24.12	4.52	22.88	4.34	21.33	4.15	
24.0	22.4	28.84	4.75	26.63	4.47	24.85	4.24	24.12	4.16	22.88	4.00	21.33	3.83	
27.0	25.3	28.84	4.37	26.63	4.10	24.85	3.88	24.12	3.83	22.88	3.67	21.33	3.51	
30.0	28.1	28.84	3.98	26.63	3.75	24.85	3.55	24.12	3.49	22.88	3.36	21.33	3.20	
80%	-30.0	-30.5	21.34	9.15	20.86	9.10	20.88	8.77	21.15	8.54	20.11	8.09	18.20	7.24
	-25.0	-25.4	21.77	9.15	21.28	9.07	21.30	8.77	21.58	8.55	20.53	8.09	18.57	7.24
	-19.8	-20.0	22.63	8.79	22.14	8.75	21.96	8.41	21.58	8.22	20.53	7.71	18.57	6.90
	-18.8	-19.0	22.81	8.80	22.32	8.73	21.96	8.32	21.58	8.11	20.53	7.65	18.57	6.83
	-16.7	-17.0	23.18	8.82	22.66	8.74	21.96	8.15	21.58	7.97	20.53	7.49	18.57	6.69
	-13.7	-15.0	23.53	8.86	23.01	8.77	21.96	7.99	21.58	7.81	20.53	7.34	18.57	6.56
	-11.8	-13.0	23.88	8.86	23.37	8.60	21.96	7.81	21.58	7.65	20.53	7.19	18.57	6.43
	-9.8	-11.0	24.24	8.85	23.71	8.41	21.96	7.68	21.58	7.49	20.53	7.08	18.57	6.32
	-9.5	-10.0	24.42	8.89	23.71	8.34	21.96	7.61	21.58	7.41	20.53	6.99	18.57	6.27
	-8.5	-9.1	24.60	8.89	23.71	8.26	21.96	7.52	21.58	7.35	20.53	6.93	18.57	6.21
	-7.0	-7.6	24.86	8.88	23.71	8.14	21.96	7.43	21.58	7.27	20.53	6.85	18.57	6.13
	-5.0	-5.6	25.93	8.70	23.71	7.88	21.96	7.21	21.58	7.04	20.53	6.64	18.57	5.95
	-3.0	-3.7	25.93	9.02	23.71	7.60	21.96	6.90	21.58	6.79	20.53	6.41	18.57	5.79
	0.0	-0.7	25.93	8.90	23.71	7.25	21.96	6.67	21.58	6.56	20.53	6.21	18.57	5.66
	3.0	2.2	25.93	8.23	23.71	6.85	21.96	6.29	21.58	6.34	20.53	5.98	18.57	5.43
	5.0	4.1	25.93	7.51	23.71	6.47	21.96	5.99	21.58	6.09	20.53	5.69	18.57	5.31
	7.0	6.0	25.93	6.59	23.71	6.04	21.96	5.60	21.58	5.52	20.53	5.23	18.57	4.78
	9.0	7.9	25.93	6.25	23.71	5.76	21.96	5.37	21.58	5.30	20.53	5.04	18.57	4.64
	11.0	9.8	25.93	5.94	23.71	5.50	21.96	5.16	21.58	5.10	20.53	4.88	18.57	4.50
	13.0	11.8	25.93	5.67	23.71	5.28	21.96	4.98	21.58	4.93	20.53	4.73	18.57	4.41
15.0	13.7	25.93	5.47	23.71	5.11	21.96	4.82	21.58	4.82	20.53	4.63	18.57	4.34	
18.0	16.6	25.93	5.10	23.71	4.75	21.96	4.50	21.58	4.49	20.53	4.30	18.57	4.02	
21.0	19.5	25.93	4.71	23.71	4.40	21.96	4.16	21.58	4.15	20.53	3.99	18.57	3.73	
24.0	22.4	25.93	4.34	23.71	4.06	21.96	3.84	21.58	3.82	20.53	3.68	18.57	3.44	
27.0	25.3	25.93	3.98	23.71	3.73	21.96	3.52	21.58	3.51	20.53	3.37	18.57	3.15	
30.0	28.1	25.93	3.64	23.71	3.41	21.96	3.21	21.58	3.20	20.53	3.08	18.57	2.88	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.14:8HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-30.0	-30.5	21.82	9.18	20.48	8.45	19.10	8.31	18.12	8.07	17.46	7.99	16.33	7.86
	-25.0	-25.4	22.26	9.16	20.89	8.48	19.49	8.30	18.49	8.08	17.82	7.98	16.67	7.86
	-19.8	-20.0	22.26	8.72	20.89	8.03	19.49	7.85	18.49	7.63	17.82	7.54	16.67	7.38
	-18.8	-19.0	22.44	8.62	20.89	7.93	19.49	7.79	18.49	7.55	17.82	7.45	16.67	7.29
	-16.7	-17.0	22.44	8.48	20.89	7.79	19.49	7.62	18.49	7.40	17.82	7.30	16.67	7.17
	-13.7	-15.0	22.44	8.28	20.89	7.61	19.49	7.50	18.49	7.26	17.82	7.16	16.67	7.02
	-11.8	-13.0	22.44	8.12	20.89	7.46	19.49	7.38	18.49	7.14	17.82	7.04	16.67	6.89
	-9.8	-11.0	22.44	7.98	20.89	7.32	19.49	7.23	18.49	7.00	17.82	6.90	16.67	6.76
	-9.5	-10.0	22.44	7.89	20.89	7.27	19.49	7.05	18.49	6.81	17.82	6.71	16.67	6.57
	-8.5	-9.1	22.44	7.81	20.89	7.21	19.49	6.82	18.49	6.60	17.82	6.50	16.67	6.34
	-7.0	-7.6	22.44	7.73	20.89	7.10	19.49	6.51	18.49	6.29	17.82	6.20	16.67	6.02
	-5.0	-5.6	22.44	7.49	20.89	6.88	19.49	6.34	18.49	6.13	17.82	6.03	16.67	5.85
	-3.0	-3.7	22.44	7.07	20.89	6.69	19.49	6.15	18.49	5.94	17.82	5.86	16.67	5.67
	0.0	-0.7	22.44	6.69	20.89	6.39	19.49	5.89	18.49	5.69	17.82	5.59	16.67	5.39
	3.0	2.2	22.44	6.33	20.89	6.05	19.49	5.54	18.49	5.33	17.82	5.23	16.67	5.04
	5.0	4.1	22.44	6.03	20.89	5.65	19.49	5.33	18.49	5.11	17.82	5.03	16.67	4.81
	7.0	6.0	22.44	5.80	20.89	5.42	19.49	5.05	18.49	4.86	17.82	4.76	16.67	4.55
	9.0	7.9	22.44	5.54	20.89	5.20	19.49	4.88	18.49	4.67	17.82	4.58	16.67	4.37
	11.0	9.8	22.44	5.32	20.89	5.04	19.49	4.68	18.49	4.48	17.82	4.39	16.67	4.17
	13.0	11.8	22.44	5.13	20.89	4.81	19.49	4.46	18.49	4.27	17.82	4.16	16.67	3.95
15.0	13.7	22.44	4.95	20.89	4.60	19.49	4.30	18.49	4.09	17.82	4.00	16.67	3.77	
18.0	16.6	22.44	4.61	20.89	4.28	19.49	3.99	18.49	3.81	17.82	3.72	16.67	3.51	
21.0	19.5	22.44	4.27	20.89	3.96	19.49	3.70	18.49	3.53	17.82	3.44	16.67	3.25	
24.0	22.4	22.44	3.93	20.89	3.65	19.49	3.40	18.49	3.24	17.82	3.18	16.67	2.99	
27.0	25.3	22.44	3.61	20.89	3.36	19.49	3.12	18.49	2.98	17.82	2.91	16.67	2.75	
30.0	28.1	22.44	3.30	20.89	3.06	19.49	2.85	18.49	2.72	17.82	2.65	16.67	2.51	
60%	-30.0	-30.5	18.81	8.52	17.45	7.99	16.21	7.64	15.85	7.57	15.19	7.28	13.80	6.80
	-25.0	-25.4	19.19	8.50	17.80	7.96	16.54	7.61	16.17	7.56	15.50	7.26	14.08	6.81
	-19.8	-20.0	19.19	8.06	17.80	7.62	16.54	7.35	16.17	7.23	15.50	6.93	14.08	6.47
	-18.8	-19.0	19.19	7.84	17.80	7.35	16.54	7.08	16.17	6.99	15.50	6.66	14.08	6.24
	-16.7	-17.0	19.19	7.62	17.80	7.12	16.54	6.86	16.17	6.72	15.50	6.41	14.08	5.98
	-13.7	-15.0	19.19	7.33	17.80	6.92	16.54	6.64	16.17	6.48	15.50	6.17	14.08	5.72
	-11.8	-13.0	19.19	7.08	17.80	6.67	16.54	6.38	16.17	6.27	15.50	5.90	14.08	5.48
	-9.8	-11.0	19.19	6.85	17.80	6.41	16.54	6.09	16.17	5.98	15.50	5.64	14.08	5.28
	-9.5	-10.0	19.19	6.62	17.80	6.15	16.54	5.84	16.17	5.72	15.50	5.41	14.08	4.99
	-8.5	-9.1	19.19	6.35	17.80	5.91	16.54	5.60	16.17	5.47	15.50	5.16	14.08	4.71
	-7.0	-7.6	19.19	6.11	17.80	5.68	16.54	5.40	16.17	5.28	15.50	4.94	14.08	4.49
	-5.0	-5.6	19.19	5.87	17.80	5.46	16.54	5.14	16.17	5.07	15.50	4.75	14.08	4.28
	-3.0	-3.7	19.19	5.68	17.80	5.24	16.54	4.91	16.17	4.87	15.50	4.54	14.08	4.13
	0.0	-0.7	19.19	5.44	17.80	5.03	16.54	4.69	16.17	4.64	15.50	4.32	14.08	4.06
	3.0	2.2	19.19	5.20	17.80	4.79	16.54	4.51	16.17	4.44	15.50	4.10	14.08	3.91
	5.0	4.1	19.19	4.93	17.80	4.60	16.54	4.34	16.17	4.25	15.50	4.01	14.08	3.82
	7.0	6.0	19.19	4.71	17.80	4.39	16.54	4.13	16.17	4.07	15.50	3.99	14.08	3.76
	9.0	7.9	19.19	4.63	17.80	4.30	16.54	4.07	16.17	3.97	15.50	3.81	14.08	3.58
	11.0	9.8	19.19	4.56	17.80	4.23	16.54	3.96	16.17	3.88	15.50	3.74	14.08	3.52
	13.0	11.8	19.19	4.42	17.80	4.09	16.54	3.84	16.17	3.80	15.50	3.66	14.08	3.44
15.0	13.7	19.19	4.36	17.80	4.01	16.54	3.73	16.17	3.71	15.50	3.57	14.08	3.34	
18.0	16.6	19.19	4.06	17.80	3.73	16.54	3.47	16.17	3.44	15.50	3.31	14.08	3.10	
21.0	19.5	19.19	3.75	17.80	3.46	16.54	3.21	16.17	3.20	15.50	3.08	14.08	2.87	
24.0	22.4	19.19	3.46	17.80	3.19	16.54	2.96	16.17	2.95	15.50	2.83	14.08	2.65	
27.0	25.3	19.19	3.18	17.80	2.93	16.54	2.71	16.17	2.70	15.50	2.60	14.08	2.43	
30.0	28.1	19.19	2.91	17.80	2.67	16.54	2.49	16.17	2.47	15.50	2.37	14.08	2.22	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table2-8.14:8HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	15.91	7.16	14.70	6.67	13.53	6.30	12.95	6.17	12.63	6.12	11.38	5.60
	-25.0	-25.4	16.24	7.16	15.00	6.69	13.81	6.32	13.21	6.18	12.89	6.12	11.62	5.60
	-19.8	-20.0	16.24	6.78	15.00	6.37	13.81	6.08	13.21	5.89	12.89	5.84	11.62	5.30
	-18.8	-19.0	16.24	6.58	15.00	6.15	13.81	5.85	13.21	5.71	12.89	5.60	11.62	5.12
	-16.7	-17.0	16.24	6.40	15.00	5.97	13.81	5.68	13.21	5.49	12.89	5.40	11.62	4.90
	-13.7	-15.0	16.24	6.17	15.00	5.79	13.81	5.50	13.21	5.29	12.89	5.20	11.62	4.70
	-11.8	-13.0	16.24	5.95	15.00	5.57	13.81	5.29	13.21	5.11	12.89	4.97	11.62	4.50
	-9.8	-11.0	16.24	5.75	15.00	5.36	13.81	5.03	13.21	4.88	12.89	4.77	11.62	4.32
	-9.5	-10.0	16.24	5.55	15.00	5.15	13.81	4.83	13.21	4.66	12.89	4.57	11.62	4.09
	-8.5	-9.1	16.24	5.32	15.00	4.97	13.81	4.63	13.21	4.46	12.89	4.35	11.62	3.86
	-7.0	-7.6	16.24	5.13	15.00	4.75	13.81	4.47	13.21	4.31	12.89	4.20	11.62	3.69
	-5.0	-5.6	16.24	4.93	15.00	4.59	13.81	4.24	13.21	4.12	12.89	4.03	11.62	3.52
	-3.0	-3.7	16.24	4.77	15.00	4.39	13.81	4.04	13.21	3.97	12.89	3.85	11.62	3.39
	0.0	-0.7	16.24	4.56	15.00	4.22	13.81	3.86	13.21	3.77	12.89	3.67	11.62	3.33
	3.0	2.2	16.24	4.37	15.00	4.01	13.81	3.72	13.21	3.62	12.89	3.48	11.62	3.31
	5.0	4.1	16.24	4.14	15.00	3.84	13.81	3.59	13.21	3.46	12.89	3.41	11.62	3.28
	7.0	6.0	16.24	3.94	15.00	3.68	13.81	3.41	13.21	3.32	12.89	3.36	11.62	3.18
	9.0	7.9	16.24	3.88	15.00	3.60	13.81	3.37	13.21	3.24	12.89	3.22	11.62	3.08
	11.0	9.8	16.24	3.82	15.00	3.55	13.81	3.28	13.21	3.17	12.89	3.16	11.62	3.03
13.0	11.8	16.24	3.70	15.00	3.43	13.81	3.17	13.21	3.09	12.89	3.09	11.62	2.96	
15.0	13.7	16.24	3.67	15.00	3.36	13.81	3.08	13.21	3.01	12.89	3.00	11.62	2.88	
18.0	16.6	16.24	3.40	15.00	3.12	13.81	2.86	13.21	2.81	12.89	2.79	11.62	2.68	
21.0	19.5	16.24	3.15	15.00	2.89	13.81	2.66	13.21	2.59	12.89	2.58	11.62	2.48	
24.0	22.4	16.24	2.91	15.00	2.67	13.81	2.45	13.21	2.39	12.89	2.38	11.62	2.29	
27.0	25.3	16.24	2.67	15.00	2.44	13.81	2.25	13.21	2.20	12.89	2.18	11.62	2.10	
30.0	28.1	16.24	2.43	15.00	2.23	13.81	2.05	13.21	2.00	12.89	2.00	11.62	1.92	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.15:10HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-30.0	-30.5	24.70	7.51	24.57	7.63	24.34	8.03	23.77	8.08	23.73	8.30	23.61	8.44
	-25.0	-25.4	25.20	7.51	25.08	7.61	24.84	8.03	24.26	8.08	24.21	8.29	24.10	8.43
	-19.8	-20.0	26.50	7.69	26.37	7.85	26.57	8.34	25.93	8.41	25.91	8.60	25.83	8.72
	-18.8	-19.0	26.70	7.84	26.57	7.97	26.78	8.42	26.24	8.48	26.11	8.70	26.04	8.79
	-16.7	-17.0	27.11	7.92	26.98	8.10	27.19	8.52	26.65	8.56	26.52	8.79	26.44	8.94
	-13.7	-15.0	27.52	8.02	27.39	8.23	27.61	8.65	27.05	8.71	26.92	8.93	26.85	9.05
	-11.8	-13.0	27.92	8.15	27.80	8.35	28.02	8.82	27.46	8.87	27.33	9.09	27.36	9.20
	-9.8	-11.0	28.33	8.28	28.20	8.49	28.43	8.93	27.85	8.97	27.83	9.19	27.75	9.19
	-9.5	-10.0	28.54	8.39	28.41	8.58	28.74	9.07	28.06	9.08	28.03	9.33	27.96	9.34
	-8.5	-9.1	28.74	8.50	28.61	8.72	28.84	9.14	28.26	9.18	28.23	9.42	28.16	9.45
	-7.0	-7.6	29.05	8.54	28.92	8.83	29.25	9.24	28.57	9.26	28.54	9.55	28.46	9.58
	-5.0	-5.6	31.31	8.90	31.17	9.09	31.43	9.52	30.80	9.61	30.67	9.59	30.60	9.70
	-3.0	-3.7	31.71	9.12	31.57	9.25	31.85	9.68	31.21	9.79	31.08	9.71	31.00	9.80
	0.0	-0.7	32.32	9.40	32.19	9.30	32.46	9.81	31.81	9.86	31.67	9.89	31.70	9.89
	3.0	2.2	35.71	9.93	35.25	9.92	35.57	10.32	34.75	10.30	34.72	10.41	34.65	10.48
	5.0	4.1	44.40	11.97	42.58	11.83	42.39	11.90	39.91	11.31	38.26	11.18	35.15	10.68
	7.0	6.0	45.11	12.06	43.39	11.52	42.39	11.32	39.91	10.84	38.26	10.72	35.15	10.33
	9.0	7.9	45.11	11.48	43.39	10.96	42.39	10.98	39.91	10.64	38.26	10.43	35.15	10.10
	11.0	9.8	45.11	10.93	43.39	10.52	42.39	10.62	39.91	10.26	38.26	10.12	35.15	9.70
	13.0	11.8	45.11	10.40	43.39	10.22	42.39	10.34	39.91	10.09	38.26	9.92	35.15	9.54
15.0	13.7	45.11	10.09	43.39	9.97	42.39	10.03	39.91	9.68	38.26	9.63	35.15	9.19	
18.0	16.6	45.60	9.46	43.72	9.36	42.60	9.38	40.02	9.04	38.28	8.97	35.15	8.53	
21.0	19.5	45.87	8.81	43.84	8.66	42.60	8.68	40.02	8.36	38.28	8.30	35.15	7.90	
24.0	22.4	45.91	8.13	43.84	7.98	42.60	8.02	40.02	7.72	38.28	7.65	35.15	7.28	
27.0	25.3	45.91	7.48	43.84	7.33	42.60	7.34	40.02	7.07	38.28	7.01	35.15	6.70	
30.0	28.1	45.91	6.82	43.84	6.71	42.60	6.71	40.02	6.47	38.28	6.41	35.15	6.12	
120%	-30.0	-30.5	24.48	8.19	24.10	8.37	24.41	8.78	24.56	9.08	24.22	9.21	24.05	9.30
	-25.0	-25.4	24.98	8.17	24.59	8.38	24.91	8.80	25.06	9.11	24.71	9.20	24.54	9.31
	-19.8	-20.0	26.49	8.40	26.08	8.59	26.34	8.96	26.59	9.26	26.23	9.37	26.03	9.49
	-18.8	-19.0	26.70	8.53	26.29	8.60	26.54	9.11	26.80	9.40	26.44	9.53	26.23	9.60
	-16.7	-17.0	27.11	8.65	26.69	8.73	26.95	9.23	27.21	9.53	26.85	9.65	26.75	9.66
	-13.7	-15.0	27.52	8.74	27.10	8.90	27.36	9.27	27.63	9.59	27.36	9.71	27.16	9.75
	-11.8	-13.0	27.93	8.87	27.50	8.99	27.82	9.39	28.04	9.68	27.78	9.83	27.57	9.85
	-9.8	-11.0	28.34	8.92	27.91	9.06	28.29	9.50	28.46	9.82	28.19	9.93	27.98	10.02
	-9.5	-10.0	28.54	9.05	28.11	9.13	28.50	9.55	28.67	9.88	28.39	9.97	28.18	10.16
	-8.5	-9.1	28.75	9.12	28.31	9.23	28.70	9.69	28.87	9.99	28.60	10.11	28.39	10.18
	-7.0	-7.6	29.06	9.29	28.62	9.42	29.01	9.76	29.19	10.08	28.91	10.19	28.69	10.29
	-5.0	-5.6	31.32	9.37	30.85	9.48	31.17	9.88	31.47	10.17	31.17	10.30	30.95	10.45
	-3.0	-3.7	31.73	9.54	31.26	9.65	31.58	9.99	31.89	10.31	31.48	10.42	31.36	10.50
	0.0	-0.7	32.34	9.63	31.87	9.76	32.20	10.09	32.51	10.41	32.20	10.50	31.97	10.60
	3.0	2.2	35.32	10.23	34.91	10.40	35.29	10.61	35.52	10.91	35.18	11.02	32.79	10.46
	5.0	4.1	44.46	11.49	41.31	11.21	38.89	11.20	37.70	11.06	35.90	10.87	32.79	10.18
	7.0	6.0	44.77	11.39	41.31	10.75	38.89	10.63	37.70	10.54	35.90	10.37	32.79	9.90
	9.0	7.9	44.77	10.92	41.31	10.27	38.89	10.31	37.70	10.18	35.90	10.09	32.79	9.62
	11.0	9.8	44.77	10.53	41.31	10.06	38.89	9.94	37.70	9.88	35.90	9.71	32.79	9.24
	13.0	11.8	44.77	10.27	41.31	9.81	38.89	9.66	37.70	9.72	35.90	9.54	32.79	9.07
15.0	13.7	44.77	10.07	41.31	9.50	38.89	9.39	37.70	9.37	35.90	9.23	32.79	8.74	
18.0	16.6	45.25	9.47	41.62	8.92	39.08	8.78	37.80	8.76	35.92	8.57	32.79	8.12	
21.0	19.5	45.52	8.81	41.73	8.28	39.08	8.14	37.80	8.10	35.92	7.93	32.79	7.52	
24.0	22.4	45.56	8.13	41.73	7.62	39.08	7.51	37.80	7.47	35.92	7.31	32.79	6.93	
27.0	25.3	45.56	7.44	41.73	7.00	39.08	6.88	37.80	6.85	35.92	6.71	32.79	6.36	
30.0	28.1	45.56	6.81	41.73	6.38	39.08	6.28	37.80	6.26	35.92	6.12	32.79	5.82	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.15: 10HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	kW	PI	kW	PI	kW	PI	kW	PI	kW	PI	kW	PI
110%	-30.0	-30.5	25.00	8.48	24.91	8.71	24.31	8.72	24.53	8.67	24.24	8.75	24.76	9.20
	-25.0	-25.4	25.51	8.51	25.42	8.71	24.81	8.74	25.04	8.65	24.74	8.74	25.27	9.19
	-19.8	-20.0	26.62	8.61	26.54	8.81	25.93	8.85	26.13	8.76	25.80	8.88	26.38	9.31
	-18.8	-19.0	26.82	8.75	26.75	8.95	26.13	8.96	26.34	8.80	26.01	8.96	26.59	9.33
	-16.7	-17.0	27.24	8.88	27.16	9.08	26.54	9.09	26.75	8.95	26.51	9.08	27.00	9.46
	-13.7	-15.0	27.65	8.95	27.58	9.17	26.95	9.18	27.16	9.03	26.92	9.10	27.42	9.53
	-11.8	-13.0	28.07	9.07	27.99	9.28	27.45	9.29	27.57	9.12	27.33	9.23	27.84	9.65
	-9.8	-11.0	28.48	9.07	28.40	9.28	27.86	9.30	27.98	9.29	27.73	9.34	28.25	9.79
	-9.5	-10.0	28.69	9.19	28.72	9.40	28.07	9.41	28.18	9.31	27.94	9.45	28.46	9.88
	-8.5	-9.1	28.90	9.28	28.82	9.48	28.27	9.51	28.39	9.39	28.14	9.53	28.67	10.01
	-7.0	-7.6	29.21	9.37	29.13	9.60	28.57	9.59	28.69	9.54	28.44	9.63	28.98	10.01
	-5.0	-5.6	31.48	9.49	31.41	9.73	30.71	9.73	30.95	9.61	30.68	9.72	30.43	9.91
	-3.0	-3.7	31.90	9.57	31.83	9.77	31.12	9.81	31.36	9.72	31.09	9.81	30.43	9.74
	0.0	-0.7	32.52	9.80	32.45	10.00	31.83	10.03	31.97	9.78	31.69	9.91	30.43	9.60
	3.0	2.2	35.52	10.25	35.56	10.47	34.78	10.43	34.13	10.20	32.51	10.01	30.43	9.51
	5.0	4.1	41.43	11.17	38.67	11.18	35.28	10.22	34.13	9.98	32.51	9.72	30.43	9.48
	7.0	6.0	41.43	10.78	38.67	10.53	35.28	9.71	34.13	9.49	32.51	9.29	30.43	9.26
	9.0	7.9	41.43	10.27	38.67	9.95	35.28	9.34	34.13	9.27	32.51	9.10	30.43	9.10
	11.0	9.8	41.43	9.91	38.67	9.58	35.28	9.08	34.13	8.93	32.51	8.79	30.43	8.77
	13.0	11.8	41.43	9.63	38.67	9.27	35.28	8.80	34.13	8.66	32.51	8.50	30.43	8.48
15.0	13.7	41.43	9.34	38.67	8.98	35.28	8.50	34.13	8.37	32.51	8.21	30.43	8.19	
18.0	16.6	41.88	8.77	38.96	8.41	35.46	7.96	34.22	7.81	32.52	7.65	30.43	7.62	
21.0	19.5	42.12	8.18	39.07	7.82	35.46	7.37	34.22	7.23	32.52	7.09	30.43	7.07	
24.0	22.4	42.16	7.54	39.07	7.20	35.46	6.77	34.22	6.65	32.52	6.52	30.43	6.50	
27.0	25.3	42.16	6.92	39.07	6.59	35.46	6.22	34.22	6.11	32.52	5.97	30.43	5.97	
30.0	28.1	42.16	6.31	39.07	6.04	35.46	5.67	34.22	5.59	32.52	5.46	30.43	5.44	
100%	-30.0	-30.5	24.29	10.29	24.14	10.36	23.97	10.51	24.28	10.66	24.11	10.63	24.18	10.86
	-25.0	-25.4	24.78	10.28	24.63	10.36	24.46	10.53	24.78	10.67	24.61	10.66	24.67	10.87
	-19.8	-20.0	25.93	10.29	25.78	10.37	25.60	10.56	25.93	10.64	25.75	10.65	25.83	10.80
	-18.8	-19.0	26.33	10.30	26.18	10.41	26.00	10.60	26.33	10.66	26.15	10.68	26.23	10.71
	-16.7	-17.0	26.73	10.31	26.58	10.42	26.50	10.61	26.74	10.68	26.56	10.68	26.64	10.62
	-13.7	-15.0	27.13	10.37	26.98	10.43	26.90	10.62	27.15	10.72	26.96	10.71	27.04	10.50
	-11.8	-13.0	27.54	10.35	27.38	10.45	27.30	10.65	27.55	10.75	27.36	10.71	27.04	10.39
	-9.8	-11.0	27.74	10.38	27.68	10.48	27.50	10.65	27.85	10.75	27.56	10.71	27.04	10.40
	-9.5	-10.0	27.94	10.37	27.78	10.49	27.70	10.70	27.96	10.75	27.76	10.76	27.04	10.28
	-8.5	-9.1	28.24	10.40	28.18	10.48	28.00	10.71	28.26	10.75	28.07	10.76	27.04	10.15
	-7.0	-7.6	30.45	10.42	30.29	10.48	30.20	10.93	30.49	11.17	29.27	10.52	27.04	10.10
	-5.0	-5.6	30.85	10.41	30.69	10.48	30.60	10.68	30.69	10.82	29.27	10.22	27.04	9.83
	-3.0	-3.7	31.46	10.46	31.29	10.51	31.20	10.35	30.69	10.24	29.27	9.90	27.04	9.51
	0.0	-0.7	32.26	10.44	34.00	10.51	31.50	10.05	30.69	9.74	29.27	9.43	27.04	9.09
	3.0	2.2	34.37	10.23	34.00	10.26	31.50	9.76	30.69	9.29	29.27	8.84	27.04	8.65
	5.0	4.1	36.48	10.10	34.00	9.76	31.50	9.30	30.69	8.86	29.27	8.48	27.04	8.25
	7.0	6.0	36.48	9.95	34.00	9.24	31.50	8.70	30.69	8.39	29.27	8.14	27.04	7.89
	9.0	7.9	36.48	9.40	34.00	8.74	31.50	8.46	30.69	8.18	29.27	7.91	27.04	7.64
	11.0	9.8	36.48	8.80	34.00	8.21	31.50	8.18	30.69	7.86	29.27	7.63	27.04	7.31
	13.0	11.8	36.48	8.23	34.00	8.02	31.50	7.87	30.69	7.58	29.27	7.36	27.04	7.06
15.0	13.7	36.48	7.84	34.00	7.69	31.50	7.58	30.69	7.30	29.27	7.09	27.04	6.78	
18.0	16.6	36.48	7.30	34.00	7.14	31.50	7.06	30.69	6.81	29.27	6.60	27.04	6.31	
21.0	19.5	36.48	6.76	34.00	6.62	31.50	6.53	30.69	6.30	29.27	6.10	27.04	5.85	
24.0	22.4	36.48	6.22	34.00	6.11	31.50	6.01	30.69	5.80	29.27	5.62	27.04	5.40	
27.0	25.3	36.48	5.71	34.00	5.58	31.50	5.52	30.69	5.32	29.27	5.16	27.04	4.95	
30.0	28.1	36.48	5.22	34.00	5.12	31.50	5.04	30.69	4.86	29.27	4.71	27.04	4.51	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.15:10HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	24.36	10.40	24.43	10.58	24.66	10.84	24.40	10.90	24.59	11.00	23.96	10.15
	-25.0	-25.4	24.86	10.41	24.93	10.57	25.16	10.84	24.90	10.86	25.09	10.99	24.45	10.14
	-19.8	-20.0	25.90	10.59	26.03	10.77	26.25	11.03	26.00	10.96	26.20	11.13	24.45	9.94
	-18.8	-19.0	26.11	10.57	26.23	10.79	26.46	11.05	26.21	10.98	26.41	11.07	24.45	9.83
	-16.7	-17.0	26.51	10.60	26.64	10.80	26.98	11.06	26.62	11.01	26.82	10.86	24.45	9.63
	-13.7	-15.0	26.92	10.62	27.05	10.81	27.39	11.05	27.03	11.01	27.13	10.64	24.45	9.41
	-11.8	-13.0	27.33	10.62	27.46	10.84	27.81	11.09	27.44	10.87	27.13	10.42	24.45	9.24
	-9.8	-11.0	27.73	10.65	27.98	10.87	28.22	11.10	27.95	10.67	27.13	10.23	24.45	9.07
	-9.5	-10.0	27.94	10.67	28.18	10.85	28.43	11.10	28.06	10.54	27.13	10.11	24.45	9.00
	-8.5	-9.1	28.14	10.69	28.28	10.86	28.64	11.07	28.06	10.48	27.13	10.06	24.45	8.90
	-7.0	-7.6	28.44	10.69	28.69	10.73	28.95	10.93	28.06	10.32	27.13	9.91	24.45	8.80
	-5.0	-5.6	30.68	10.71	30.85	10.26	29.47	10.47	28.06	9.98	27.13	9.60	24.45	8.51
	-3.0	-3.7	31.09	10.71	31.26	9.80	29.47	9.94	28.06	9.61	27.13	9.28	24.45	8.30
	0.0	-0.7	31.69	10.75	31.26	9.30	29.47	9.51	28.06	9.15	27.13	8.82	24.45	8.08
	3.0	2.2	33.22	10.75	31.26	8.84	29.47	8.99	28.06	8.81	27.13	8.42	24.45	7.81
	5.0	4.1	33.22	10.50	31.26	8.41	29.47	8.59	28.06	8.34	27.13	8.02	24.45	7.51
	7.0	6.0	33.22	9.11	31.26	8.22	29.47	8.02	28.06	7.63	27.13	7.39	24.45	6.67
	9.0	7.9	33.22	8.55	31.26	8.08	29.47	7.62	28.06	7.28	27.13	7.05	24.45	6.44
	11.0	9.8	33.22	8.05	31.26	7.66	29.47	7.27	28.06	6.96	27.13	6.76	24.45	6.20
	13.0	11.8	33.22	7.62	31.26	7.27	29.47	6.95	28.06	6.66	27.13	6.52	24.45	6.00
15.0	13.7	33.22	7.29	31.26	7.00	29.47	6.69	28.06	6.45	27.13	6.34	24.45	5.86	
18.0	16.6	33.22	6.79	31.26	6.50	29.47	6.22	28.06	6.02	27.13	5.89	24.45	5.44	
21.0	19.5	33.22	6.29	31.26	6.01	29.47	5.77	28.06	5.57	27.13	5.46	24.45	5.03	
24.0	22.4	33.22	5.79	31.26	5.55	29.47	5.31	28.06	5.13	27.13	5.03	24.45	4.65	
27.0	25.3	33.22	5.32	31.26	5.09	29.47	4.88	28.06	4.71	27.13	4.61	24.45	4.26	
30.0	28.1	33.22	4.86	31.26	4.64	29.47	4.46	28.06	4.30	27.13	4.21	24.45	3.90	
80%	-30.0	-30.5	24.56	11.15	24.51	11.28	24.64	10.96	24.30	10.40	23.65	10.06	21.39	9.03
	-25.0	-25.4	25.06	11.12	25.01	11.31	25.14	10.95	24.80	10.40	24.13	10.07	21.83	9.03
	-19.8	-20.0	26.05	10.70	26.00	10.84	25.92	10.50	24.80	9.96	24.13	9.61	21.83	8.57
	-18.8	-19.0	26.26	10.71	26.21	10.83	25.92	10.39	24.80	9.87	24.13	9.52	21.83	8.49
	-16.7	-17.0	26.67	10.74	26.62	10.86	25.92	10.19	24.80	9.65	24.13	9.32	21.83	8.33
	-13.7	-15.0	27.08	10.77	27.03	10.91	25.92	9.99	24.80	9.49	24.13	9.15	21.83	8.16
	-11.8	-13.0	27.49	10.79	27.44	10.70	25.92	9.79	24.80	9.28	24.13	8.97	21.83	8.02
	-9.8	-11.0	27.90	10.81	27.85	10.48	25.92	9.60	24.80	9.11	24.13	8.79	21.83	7.87
	-9.5	-10.0	28.11	10.80	27.85	10.38	25.92	9.50	24.80	9.04	24.13	8.70	21.83	7.80
	-8.5	-9.1	28.31	10.82	27.85	10.29	25.92	9.43	24.80	8.94	24.13	8.64	21.83	7.72
	-7.0	-7.6	28.62	10.84	27.85	10.14	25.92	9.27	24.80	8.82	24.13	8.52	21.83	7.62
	-5.0	-5.6	29.85	10.62	27.85	9.79	25.92	9.01	24.80	8.57	24.13	8.26	21.83	7.41
	-3.0	-3.7	29.85	10.99	27.85	9.43	25.92	8.62	24.80	8.22	24.13	7.96	21.83	7.21
	0.0	-0.7	29.85	10.82	27.85	8.99	25.92	8.31	24.80	8.00	24.13	7.72	21.83	7.02
	3.0	2.2	29.85	10.00	27.85	8.50	25.92	7.85	24.80	7.70	24.13	7.42	21.83	6.75
	5.0	4.1	29.85	9.16	27.85	8.03	25.92	7.49	24.80	7.40	24.13	7.08	21.83	6.61
	7.0	6.0	29.85	8.03	27.85	7.51	25.92	7.00	24.80	6.70	24.13	6.50	21.83	5.93
	9.0	7.9	29.85	7.62	27.85	7.17	25.92	6.71	24.80	6.45	24.13	6.28	21.83	5.77
	11.0	9.8	29.85	7.23	27.85	6.83	25.92	6.44	24.80	6.22	24.13	6.07	21.83	5.62
	13.0	11.8	29.85	6.91	27.85	6.54	25.92	6.21	24.80	6.01	24.13	5.90	21.83	5.47
15.0	13.7	29.85	6.66	27.85	6.36	25.92	6.04	24.80	5.87	24.13	5.77	21.83	5.39	
18.0	16.6	29.85	6.21	27.85	5.91	25.92	5.62	24.80	5.47	24.13	5.35	21.83	5.02	
21.0	19.5	29.85	5.74	27.85	5.48	25.92	5.20	24.80	5.05	24.13	4.95	21.83	4.63	
24.0	22.4	29.85	5.30	27.85	5.04	25.92	4.80	24.80	4.66	24.13	4.57	21.83	4.27	
27.0	25.3	29.85	4.85	27.85	4.62	25.92	4.40	24.80	4.28	24.13	4.20	21.83	3.93	
30.0	28.1	29.85	4.43	27.85	4.22	25.92	4.02	24.80	3.90	24.13	3.83	21.83	3.58	

Abbreviations:  
 CR: Combination ratio  
 TC: Total capacity (kW)  
 PI: Power input (compressor + outdoor fan motor) (kW)  
 Notes:  
 Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.15: 10HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-30.0	-30.5	25.09	11.16	23.82	10.42	22.26	10.28	21.58	10.19	20.76	10.05	18.78	9.54
	-25.0	-25.4	25.60	11.14	24.31	10.43	22.71	10.27	22.02	10.19	21.19	10.05	19.16	9.56
	-19.8	-20.0	25.60	10.63	24.31	9.87	22.71	9.69	22.02	9.62	21.19	9.49	19.16	8.97
	-18.8	-19.0	25.80	10.51	24.31	9.76	22.71	9.58	22.02	9.49	21.19	9.38	19.16	8.87
	-16.7	-17.0	25.80	10.30	24.31	9.58	22.71	9.43	22.02	9.34	21.19	9.20	19.16	8.71
	-13.7	-15.0	25.80	10.11	24.31	9.38	22.71	9.23	22.02	9.14	21.19	9.03	19.16	8.51
	-11.8	-13.0	25.80	9.90	24.31	9.20	22.71	9.09	22.02	8.99	21.19	8.88	19.16	8.36
	-9.8	-11.0	25.80	9.68	24.31	9.01	22.71	8.91	22.02	8.84	21.19	8.71	19.16	8.21
	-9.5	-10.0	25.80	9.59	24.31	8.94	22.71	8.70	22.02	8.60	21.19	8.46	19.16	7.99
	-8.5	-9.1	25.80	9.53	24.31	8.85	22.71	8.39	22.02	8.31	21.19	8.18	19.16	7.70
	-7.0	-7.6	25.80	9.40	24.31	8.74	22.71	8.02	22.02	7.94	21.19	7.82	19.16	7.34
	-5.0	-5.6	25.80	9.11	24.31	8.48	22.71	7.81	22.02	7.71	21.19	7.59	19.16	7.10
	-3.0	-3.7	25.80	8.61	24.31	8.22	22.71	7.58	22.02	7.49	21.19	7.37	19.16	6.90
	0.0	-0.7	25.80	8.15	24.31	7.88	22.71	7.27	22.02	7.17	21.19	7.02	19.16	6.56
	3.0	2.2	25.80	7.69	24.31	7.45	22.71	6.82	22.02	6.70	21.19	6.59	19.16	6.13
	5.0	4.1	25.80	7.33	24.31	6.96	22.71	6.57	22.02	6.45	21.19	6.34	19.16	5.86
	7.0	6.0	25.80	7.05	24.31	6.65	22.71	6.22	22.02	6.11	21.19	6.00	19.16	5.54
	9.0	7.9	25.80	6.75	24.31	6.42	22.71	6.01	22.02	5.89	21.19	5.77	19.16	5.32
	11.0	9.8	25.80	6.50	24.31	6.18	22.71	5.78	22.02	5.64	21.19	5.53	19.16	5.08
	13.0	11.8	25.80	6.26	24.31	5.93	22.71	5.50	22.02	5.38	21.19	5.24	19.16	4.79
15.0	13.7	25.80	6.02	24.31	5.68	22.71	5.29	22.02	5.14	21.19	5.03	19.16	4.58	
18.0	16.6	25.80	5.61	24.31	5.27	22.71	4.92	22.02	4.78	21.19	4.67	19.16	4.27	
21.0	19.5	25.80	5.19	24.31	4.88	22.71	4.56	22.02	4.44	21.19	4.33	19.16	3.94	
24.0	22.4	25.80	4.78	24.31	4.50	22.71	4.20	22.02	4.09	21.19	3.99	19.16	3.63	
27.0	25.3	25.80	4.38	24.31	4.14	22.71	3.85	22.02	3.75	21.19	3.66	19.16	3.33	
30.0	28.1	25.80	4.00	24.31	3.77	22.71	3.52	22.02	3.42	21.19	3.35	19.16	3.05	
60%	-30.0	-30.5	22.19	10.63	20.33	9.85	18.87	9.41	18.47	9.34	17.68	8.97	16.24	8.49
	-25.0	-25.4	22.64	10.63	20.74	9.85	19.26	9.41	18.85	9.33	18.04	8.96	16.57	8.49
	-19.8	-20.0	22.64	10.05	20.74	9.39	19.26	9.03	18.85	8.93	18.04	8.54	16.57	8.04
	-18.8	-19.0	22.64	9.80	20.74	9.07	19.26	8.71	18.85	8.63	18.04	8.21	16.57	7.76
	-16.7	-17.0	22.64	9.51	20.74	8.79	19.26	8.44	18.85	8.31	18.04	7.90	16.57	7.45
	-13.7	-15.0	22.64	9.19	20.74	8.51	19.26	8.21	18.85	7.98	18.04	7.60	16.57	7.13
	-11.8	-13.0	22.64	8.83	20.74	8.21	19.26	7.88	18.85	7.71	18.04	7.27	16.57	6.82
	-9.8	-11.0	22.64	8.57	20.74	7.89	19.26	7.50	18.85	7.36	18.04	6.96	16.57	6.57
	-9.5	-10.0	22.64	8.27	20.74	7.58	19.26	7.19	18.85	7.04	18.04	6.66	16.57	6.22
	-8.5	-9.1	22.64	7.91	20.74	7.32	19.26	6.88	18.85	6.76	18.04	6.34	16.57	5.86
	-7.0	-7.6	22.64	7.61	20.74	6.99	19.26	6.65	18.85	6.53	18.04	6.10	16.57	5.60
	-5.0	-5.6	22.64	7.33	20.74	6.73	19.26	6.32	18.85	6.24	18.04	5.85	16.57	5.34
	-3.0	-3.7	22.64	7.10	20.74	6.48	19.26	6.04	18.85	6.00	18.04	5.59	16.57	5.15
	0.0	-0.7	22.64	6.81	20.74	6.22	19.26	5.78	18.85	5.72	18.04	5.31	16.57	5.06
	3.0	2.2	22.64	6.49	20.74	5.93	19.26	5.54	18.85	5.48	18.04	5.05	16.57	4.87
	5.0	4.1	22.64	6.16	20.74	5.66	19.26	5.34	18.85	5.23	18.04	4.94	16.57	4.76
	7.0	6.0	22.64	5.87	20.74	5.41	19.26	5.09	18.85	5.03	18.04	4.90	16.57	4.67
	9.0	7.9	22.64	5.78	20.74	5.30	19.26	5.01	18.85	4.89	18.04	4.70	16.57	4.46
	11.0	9.8	22.64	5.69	20.74	5.21	19.26	4.88	18.85	4.79	18.04	4.60	16.57	4.37
	13.0	11.8	22.64	5.52	20.74	5.05	19.26	4.72	18.85	4.69	18.04	4.51	16.57	4.29
15.0	13.7	22.64	5.45	20.74	4.95	19.26	4.58	18.85	4.58	18.04	4.39	16.57	4.16	
18.0	16.6	22.64	5.06	20.74	4.61	19.26	4.26	18.85	4.25	18.04	4.07	16.57	3.87	
21.0	19.5	22.64	4.68	20.74	4.26	19.26	3.95	18.85	3.94	18.04	3.77	16.57	3.59	
24.0	22.4	22.64	4.33	20.74	3.93	19.26	3.64	18.85	3.63	18.04	3.48	16.57	3.31	
27.0	25.3	22.64	3.97	20.74	3.61	19.26	3.34	18.85	3.33	18.04	3.19	16.57	3.03	
30.0	28.1	22.64	3.62	20.74	3.29	19.26	3.06	18.85	3.04	18.04	2.92	16.57	2.77	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.15:10HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
	-30.0	-30.5	18.45	8.77	17.24	8.29	15.74	7.76	15.37	7.75	14.76	7.55	13.41	6.99
	-25.0	-25.4	18.83	8.76	17.59	8.28	16.07	7.78	15.68	7.75	15.06	7.55	13.68	6.99
	-19.8	-20.0	18.83	8.31	17.59	7.92	16.07	7.47	15.68	7.42	15.06	7.21	13.68	6.61
	-18.8	-19.0	18.83	8.09	17.59	7.65	16.07	7.19	15.68	7.18	15.06	6.94	13.68	6.39
	-16.7	-17.0	18.83	7.84	17.59	7.41	16.07	6.99	15.68	6.88	15.06	6.68	13.68	6.13
	-13.7	-15.0	18.83	7.57	17.59	7.18	16.07	6.76	15.68	6.63	15.06	6.43	13.68	5.87
	-11.8	-13.0	18.83	7.31	17.59	6.91	16.07	6.51	15.68	6.40	15.06	6.15	13.68	5.60
	-9.8	-11.0	18.83	7.07	17.59	6.66	16.07	6.19	15.68	6.10	15.06	5.90	13.68	5.41
	-9.5	-10.0	18.83	6.80	17.59	6.38	16.07	5.93	15.68	5.87	15.06	5.64	13.68	5.11
	-8.5	-9.1	18.83	6.52	17.59	6.16	16.07	5.69	15.68	5.61	15.06	5.40	13.68	4.81
	-7.0	-7.6	18.83	6.28	17.59	5.90	16.07	5.50	15.68	5.42	15.06	5.19	13.68	4.61
	-5.0	-5.6	18.83	6.05	17.59	5.68	16.07	5.22	15.68	5.18	15.06	4.99	13.68	4.39
	-3.0	-3.7	18.83	5.85	17.59	5.46	16.07	4.98	15.68	4.99	15.06	4.77	13.68	4.23
	0.0	-0.7	18.83	5.61	17.59	5.24	16.07	4.78	15.68	4.74	15.06	4.53	13.68	4.14
	3.0	2.2	18.83	5.35	17.59	4.98	16.07	4.60	15.68	4.55	15.06	4.30	13.68	4.13
	5.0	4.1	18.83	5.08	17.59	4.78	16.07	4.42	15.68	4.34	15.06	4.22	13.68	4.09
	7.0	6.0	18.83	4.85	17.59	4.57	16.07	4.21	15.68	4.17	15.06	4.16	13.68	3.96
	9.0	7.9	18.83	4.77	17.59	4.46	16.07	4.14	15.68	4.07	15.06	3.98	13.68	3.84
	11.0	9.8	18.83	4.68	17.59	4.40	16.07	4.04	15.68	3.97	15.06	3.92	13.68	3.77
13.0	11.8	18.83	4.56	17.59	4.25	16.07	3.91	15.68	3.89	15.06	3.82	13.68	3.69	
15.0	13.7	18.83	4.48	17.59	4.18	16.07	3.80	15.68	3.80	15.06	3.72	13.68	3.59	
18.0	16.6	18.83	4.18	17.59	3.89	16.07	3.53	15.68	3.53	15.06	3.45	13.68	3.34	
21.0	19.5	18.83	3.86	17.59	3.59	16.07	3.27	15.68	3.27	15.06	3.20	13.68	3.10	
24.0	22.4	18.83	3.56	17.59	3.32	16.07	3.01	15.68	3.02	15.06	2.95	13.68	2.85	
27.0	25.3	18.83	3.27	17.59	3.04	16.07	2.76	15.68	2.77	15.06	2.70	13.68	2.62	
30.0	28.1	18.83	2.99	17.59	2.78	16.07	2.52	15.68	2.52	15.06	2.47	13.68	2.38	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table 2-8.16: 12HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-30.0	-30.5	29.80	9.92	29.62	10.06	28.40	10.27	28.61	10.64	28.31	10.86	28.17	11.01
	-25.0	-25.4	30.41	9.94	30.23	10.07	28.98	10.25	29.19	10.66	28.89	10.86	28.74	11.01
	-19.8	-20.0	31.97	10.18	31.78	10.38	30.99	10.66	31.20	11.09	30.90	11.24	30.81	11.41
	-18.8	-19.0	32.22	10.35	32.03	10.52	31.24	10.76	31.57	11.17	31.15	11.35	31.05	11.48
	-16.7	-17.0	32.71	10.49	32.52	10.72	31.72	10.90	32.06	11.32	31.62	11.49	31.54	11.69
	-13.7	-15.0	33.21	10.61	33.02	10.87	32.20	11.10	32.55	11.47	32.11	11.69	32.02	11.84
	-11.8	-13.0	33.70	10.80	33.51	11.05	32.68	11.30	33.03	11.69	32.59	11.87	32.62	12.04
	-9.8	-11.0	34.20	10.94	34.01	11.24	33.17	11.41	33.52	11.80	33.20	11.98	33.11	12.01
	-9.5	-10.0	34.43	11.10	34.24	11.35	33.52	11.58	33.77	11.98	33.44	12.17	33.36	12.22
	-8.5	-9.1	34.68	11.25	34.49	11.52	33.65	11.72	34.01	12.11	33.68	12.32	33.59	12.34
	-7.0	-7.6	35.06	11.29	34.87	11.69	34.13	11.83	34.38	12.23	34.04	12.49	33.96	12.51
	-5.0	-5.6	37.77	11.77	37.58	12.00	36.66	12.19	37.06	12.69	36.58	12.57	36.49	12.64
	-3.0	-3.7	38.26	12.07	38.06	12.20	37.15	12.37	37.55	12.87	37.06	12.71	36.98	12.84
	0.0	-0.7	39.01	12.43	38.81	12.34	37.87	12.52	38.28	13.04	37.79	12.93	37.82	12.95
	3.0	2.2	43.08	13.12	42.50	13.13	41.49	13.22	41.81	13.61	41.41	13.58	41.33	13.70
	5.0	4.1	53.56	15.86	51.32	15.66	49.45	15.25	48.03	14.89	45.64	14.60	41.94	13.96
	7.0	6.0	54.44	15.96	52.31	15.24	49.45	14.50	48.03	14.25	45.64	13.98	41.94	13.50
	9.0	7.9	54.44	15.18	52.31	14.48	49.45	14.05	48.03	14.01	45.64	13.64	41.94	13.19
	11.0	9.8	54.44	14.45	52.31	13.90	49.45	13.55	48.03	13.56	45.64	13.23	41.94	12.68
	13.0	11.8	54.44	13.78	52.31	13.49	49.45	13.19	48.03	13.33	45.64	12.96	41.94	12.47
15.0	13.7	54.44	13.31	52.31	13.19	49.45	12.85	48.03	12.79	45.64	12.59	41.94	11.98	
18.0	16.6	55.03	12.54	52.71	12.35	49.70	12.00	48.16	11.91	45.66	11.70	41.94	11.18	
21.0	19.5	55.35	11.67	52.85	11.49	49.70	11.11	48.16	11.04	45.66	10.82	41.94	10.32	
24.0	22.4	55.40	10.77	52.85	10.57	49.70	10.25	48.16	10.19	45.66	10.00	41.94	9.53	
27.0	25.3	55.40	9.88	52.85	9.69	49.70	9.38	48.16	9.36	45.66	9.18	41.94	8.74	
30.0	28.1	55.40	9.02	52.85	8.86	49.70	8.57	48.16	8.54	45.66	8.38	41.94	7.97	
120%	-30.0	-30.5	28.87	10.55	29.28	11.15	29.03	11.47	29.27	11.87	28.81	12.04	28.94	12.30
	-25.0	-25.4	29.46	10.56	29.88	11.15	29.62	11.48	29.87	11.87	29.39	12.00	29.53	12.30
	-19.8	-20.0	31.23	10.86	31.69	11.44	31.33	11.69	31.69	12.07	31.20	12.23	31.32	12.54
	-18.8	-19.0	31.47	11.01	31.93	11.47	31.56	11.85	31.93	12.31	31.45	12.45	31.57	12.66
	-16.7	-17.0	31.96	11.18	32.43	11.63	32.06	12.01	32.43	12.45	31.93	12.58	32.18	12.70
	-13.7	-15.0	32.44	11.30	32.93	11.87	32.55	12.09	32.93	12.51	32.55	12.63	32.68	12.86
	-11.8	-13.0	32.93	11.47	33.41	11.96	33.09	12.25	33.42	12.67	33.03	12.82	33.16	12.97
	-9.8	-11.0	33.41	11.53	33.91	12.06	33.65	12.38	33.91	12.81	33.53	12.94	33.66	13.23
	-9.5	-10.0	33.66	11.69	34.16	12.17	33.90	12.47	34.16	12.88	33.77	13.02	33.91	13.40
	-8.5	-9.1	33.89	11.80	34.40	12.29	34.13	12.63	34.41	13.04	34.02	13.15	34.16	13.43
	-7.0	-7.6	34.26	11.99	34.77	12.51	34.50	12.76	34.78	13.18	34.38	13.31	34.52	13.57
	-5.0	-5.6	36.92	12.09	37.48	12.64	37.07	12.90	37.50	13.30	37.07	13.44	37.23	13.78
	-3.0	-3.7	37.41	12.30	37.98	12.82	37.57	13.07	38.00	13.50	37.44	13.62	37.73	13.89
	0.0	-0.7	38.13	12.47	38.72	13.03	38.30	13.15	38.74	13.61	38.30	13.71	38.47	13.95
	3.0	2.2	41.64	13.21	42.41	13.84	41.96	13.81	42.33	14.30	41.84	14.40	39.46	13.83
	5.0	4.1	52.42	14.80	50.18	14.95	46.25	14.58	44.92	14.45	42.70	14.12	39.46	13.40
	7.0	6.0	52.78	14.75	50.18	14.34	46.25	13.86	44.92	13.75	42.70	13.51	39.46	13.08
	9.0	7.9	52.78	14.11	50.18	13.68	46.25	13.43	44.92	13.30	42.70	13.14	39.46	12.68
	11.0	9.8	52.78	13.60	50.18	13.42	46.25	12.99	44.92	12.92	42.70	12.65	39.46	12.19
	13.0	11.8	52.78	13.31	50.18	13.06	46.25	12.60	44.92	12.74	42.70	12.46	39.46	11.97
15.0	13.7	52.78	13.02	50.18	12.67	46.25	12.26	44.92	12.28	42.70	12.03	39.46	11.52	
18.0	16.6	53.35	12.21	50.57	11.89	46.48	11.45	45.04	11.44	42.73	11.18	39.46	10.72	
21.0	19.5	53.66	11.38	50.70	11.03	46.48	10.61	45.04	10.58	42.73	10.37	39.46	9.93	
24.0	22.4	53.71	10.50	50.70	10.17	46.48	9.77	45.04	9.75	42.73	9.54	39.46	9.16	
27.0	25.3	53.71	9.64	50.70	9.32	46.48	8.99	45.04	8.96	42.73	8.75	39.46	8.39	
30.0	28.1	53.71	8.79	50.70	8.52	46.48	8.21	45.04	8.16	42.73	8.00	39.46	7.65	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table 2-8.16: 12HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-30.0	-30.5	29.20	10.87	29.37	11.24	28.98	11.40	29.30	11.32	29.19	11.57	29.15	11.85
	-25.0	-25.4	29.80	10.86	29.97	11.26	29.57	11.39	29.90	11.35	29.79	11.53	29.75	11.87
	-19.8	-20.0	31.09	11.04	31.30	11.41	30.90	11.57	31.20	11.51	31.08	11.69	31.05	12.01
	-18.8	-19.0	31.32	11.18	31.53	11.59	31.15	11.72	31.45	11.49	31.33	11.86	31.30	12.04
	-16.7	-17.0	31.81	11.37	32.03	11.73	31.62	11.86	31.93	11.74	31.93	11.97	31.78	12.18
	-13.7	-15.0	32.29	11.47	32.52	11.86	32.11	12.00	32.43	11.78	32.43	12.05	32.27	12.31
	-11.8	-13.0	32.77	11.64	33.00	11.99	32.71	12.14	32.91	11.91	32.91	12.16	32.75	12.45
	-9.8	-11.0	33.26	11.61	33.49	12.03	33.20	12.14	33.40	12.12	33.40	12.34	33.25	12.64
	-9.5	-10.0	33.50	11.74	33.86	12.12	33.45	12.28	33.65	12.19	33.65	12.45	33.49	12.72
	-8.5	-9.1	33.74	11.86	33.99	12.25	33.69	12.43	33.90	12.29	33.90	12.59	33.74	12.91
	-7.0	-7.6	34.10	11.99	34.35	12.38	34.05	12.52	34.26	12.50	34.26	12.73	34.10	12.95
	-5.0	-5.6	36.76	12.19	37.04	12.54	36.59	12.69	36.95	12.60	36.95	12.79	35.81	12.79
	-3.0	-3.7	37.25	12.24	37.53	12.65	37.08	12.80	37.44	12.70	37.44	12.98	35.81	12.59
	0.0	-0.7	37.97	12.54	38.26	12.95	37.93	13.08	38.17	12.80	38.17	13.10	35.81	12.40
	3.0	2.2	41.48	13.10	41.92	13.50	41.44	13.64	40.74	13.30	39.16	13.19	35.81	12.27
	5.0	4.1	48.38	14.33	45.59	14.42	42.05	13.33	40.74	13.07	39.16	12.87	35.81	12.25
	7.0	6.0	48.38	13.79	45.59	13.61	42.05	12.64	40.74	12.43	39.16	12.25	35.81	11.91
	9.0	7.9	48.38	13.15	45.59	12.87	42.05	12.20	40.74	12.14	39.16	11.99	35.81	11.72
	11.0	9.8	48.38	12.68	45.59	12.40	42.05	11.86	40.74	11.71	39.16	11.62	35.81	11.32
	13.0	11.8	48.38	12.29	45.59	12.00	42.05	11.48	40.74	11.37	39.16	11.21	35.81	10.96
15.0	13.7	48.38	11.96	45.59	11.59	42.05	11.09	40.74	10.98	39.16	10.82	35.81	10.56	
18.0	16.6	48.90	11.25	45.94	10.86	42.26	10.39	40.85	10.22	39.18	10.09	35.81	9.83	
21.0	19.5	49.19	10.50	46.06	10.11	42.26	9.62	40.85	9.47	39.18	9.32	35.81	9.10	
24.0	22.4	49.23	9.68	46.06	9.31	42.26	8.86	40.85	8.73	39.18	8.61	35.81	8.39	
27.0	25.3	49.23	8.87	46.06	8.52	42.26	8.13	40.85	8.02	39.18	7.91	35.81	7.68	
30.0	28.1	49.23	8.10	46.06	7.79	42.26	7.43	40.85	7.31	39.18	7.20	35.81	7.03	
100%	-30.0	-30.5	28.88	13.41	28.84	13.58	28.53	13.72	28.70	13.81	28.70	13.91	28.86	14.20
	-25.0	-25.4	29.47	13.40	29.43	13.57	29.11	13.72	29.28	13.83	29.28	13.86	29.45	14.20
	-19.8	-20.0	30.83	13.43	30.81	13.61	30.48	13.80	30.66	13.82	30.66	13.93	30.84	14.09
	-18.8	-19.0	31.31	13.47	31.29	13.64	30.95	13.83	31.13	13.84	31.13	13.95	31.32	14.02
	-16.7	-17.0	31.80	13.45	31.77	13.68	31.55	13.84	31.62	13.87	31.62	13.95	31.81	13.93
	-13.7	-15.0	32.27	13.48	32.24	13.67	32.02	13.88	32.09	13.89	32.09	13.97	32.29	13.75
	-11.8	-13.0	32.75	13.51	32.73	13.72	32.50	13.90	32.57	13.95	32.57	14.00	32.29	13.59
	-9.8	-11.0	32.99	13.52	33.09	13.74	32.74	13.90	32.93	13.93	32.81	14.00	32.29	13.58
	-9.5	-10.0	33.23	13.55	33.21	13.73	32.98	13.97	33.06	13.95	33.06	14.04	32.29	13.48
	-8.5	-9.1	33.58	13.59	33.68	13.76	33.33	13.98	33.41	13.95	33.41	14.03	32.29	13.27
	-7.0	-7.6	36.21	13.61	36.20	13.74	35.95	14.29	36.04	14.47	34.85	13.78	32.29	13.22
	-5.0	-5.6	36.70	13.60	36.68	13.77	36.43	13.93	36.28	14.07	34.85	13.33	32.29	12.85
	-3.0	-3.7	37.41	13.62	37.40	13.74	37.14	13.49	36.28	13.25	34.85	12.91	32.29	12.41
	0.0	-0.7	38.36	13.63	40.64	13.79	37.50	13.10	36.28	12.66	34.85	12.28	32.29	11.88
	3.0	2.2	40.87	13.35	40.64	13.42	37.50	12.76	36.28	12.02	34.85	11.57	32.29	11.28
	5.0	4.1	43.38	13.15	40.64	12.79	37.50	12.12	36.28	11.49	34.85	11.08	32.29	10.78
	7.0	6.0	43.38	12.99	40.64	12.11	37.50	11.36	36.28	10.87	34.85	10.66	32.29	10.33
	9.0	7.9	43.38	12.26	40.64	11.48	37.50	11.06	36.28	10.59	34.85	10.33	32.29	9.98
	11.0	9.8	43.38	11.45	40.64	10.77	37.50	10.69	36.28	10.19	34.85	9.96	32.29	9.59
	13.0	11.8	43.38	10.72	40.64	10.51	37.50	10.27	36.28	9.80	34.85	9.58	32.29	9.26
15.0	13.7	43.38	10.22	40.64	10.07	37.50	9.89	36.28	9.47	34.85	9.24	32.29	8.87	
18.0	16.6	43.38	9.48	40.64	9.37	37.50	9.19	36.28	8.80	34.85	8.61	32.29	8.28	
21.0	19.5	43.38	8.80	40.64	8.67	37.50	8.51	36.28	8.15	34.85	7.95	32.29	7.64	
24.0	22.4	43.38	8.10	40.64	7.99	37.50	7.85	36.28	7.53	34.85	7.34	32.29	7.04	
27.0	25.3	43.38	7.44	40.64	7.33	37.50	7.21	36.28	6.90	34.85	6.72	32.29	6.46	
30.0	28.1	43.38	6.79	40.64	6.69	37.50	6.58	36.28	6.30	34.85	6.16	32.29	5.91	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.16: 12HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	29.60	13.83	29.49	13.99	29.13	14.02	29.00	14.15	29.00	14.23	28.44	13.20
	-25.0	-25.4	30.20	13.83	30.09	14.02	29.73	14.02	29.59	14.15	29.59	14.23	29.02	13.22
	-19.8	-20.0	31.47	14.10	31.41	14.23	31.02	14.27	30.90	14.32	30.90	14.39	29.02	12.92
	-18.8	-19.0	31.72	14.10	31.66	14.24	31.26	14.28	31.14	14.33	31.14	14.32	29.02	12.78
	-16.7	-17.0	32.21	14.11	32.15	14.30	31.87	14.33	31.63	14.34	31.63	14.03	29.02	12.54
	-13.7	-15.0	32.71	14.15	32.65	14.31	32.37	14.32	32.12	14.36	31.99	13.77	29.02	12.27
	-11.8	-13.0	33.20	14.14	33.13	14.34	32.85	14.34	32.61	14.14	31.99	13.47	29.02	12.03
	-9.8	-11.0	33.69	14.16	33.76	14.34	33.34	14.36	33.22	13.89	31.99	13.25	29.02	11.83
	-9.5	-10.0	33.94	14.22	34.01	14.37	33.59	14.39	33.34	13.74	31.99	13.11	29.02	11.70
	-8.5	-9.1	34.19	14.21	34.13	14.39	33.84	14.38	33.34	13.63	31.99	12.97	29.02	11.59
	-7.0	-7.6	34.55	14.21	34.62	14.17	34.20	14.14	33.34	13.43	31.99	12.78	29.02	11.41
	-5.0	-5.6	37.27	14.26	37.22	13.56	34.82	13.55	33.34	12.98	31.99	12.40	29.02	11.11
	-3.0	-3.7	37.77	14.27	37.71	12.97	34.82	12.88	33.34	12.53	31.99	12.01	29.02	10.80
	0.0	-0.7	38.50	14.32	37.71	12.32	34.82	12.32	33.34	11.90	31.99	11.39	29.02	10.52
	3.0	2.2	40.36	14.32	37.71	11.66	34.82	11.63	33.34	11.47	31.99	10.90	29.02	10.16
	5.0	4.1	40.36	13.98	37.71	11.09	34.82	11.10	33.34	10.89	31.99	10.41	29.02	9.78
	7.0	6.0	40.36	12.12	37.71	10.91	34.82	10.38	33.34	9.93	31.99	9.58	29.02	8.71
	9.0	7.9	40.36	11.40	37.71	10.69	34.82	9.89	33.34	9.48	31.99	9.14	29.02	8.37
	11.0	9.8	40.36	10.73	37.71	10.12	34.82	9.39	33.34	9.03	31.99	8.76	29.02	8.07
	13.0	11.8	40.36	10.16	37.71	9.60	34.82	8.98	33.34	8.68	31.99	8.43	29.02	7.82
15.0	13.7	40.36	9.72	37.71	9.24	34.82	8.69	33.34	8.43	31.99	8.19	29.02	7.61	
18.0	16.6	40.36	9.04	37.71	8.60	34.82	8.07	33.34	7.83	31.99	7.61	29.02	7.08	
21.0	19.5	40.36	8.38	37.71	7.97	34.82	7.49	33.34	7.25	31.99	7.04	29.02	6.55	
24.0	22.4	40.36	7.71	37.71	7.35	34.82	6.90	33.34	6.67	31.99	6.48	29.02	6.06	
27.0	25.3	40.36	7.09	37.71	6.74	34.82	6.33	33.34	6.14	31.99	5.97	29.02	5.56	
30.0	28.1	40.36	6.47	37.71	6.16	34.82	5.77	33.34	5.60	31.99	5.45	29.02	5.06	
80%	-30.0	-30.5	29.26	14.54	29.23	14.77	28.97	14.12	28.96	13.59	27.94	13.03	25.74	11.92
	-25.0	-25.4	29.86	14.52	29.82	14.76	29.56	14.13	29.55	13.61	28.51	13.04	26.27	11.90
	-19.8	-20.0	31.05	14.00	31.02	14.19	30.48	13.52	29.55	13.05	28.51	12.43	26.27	11.30
	-18.8	-19.0	31.30	14.04	31.26	14.20	30.48	13.39	29.55	12.92	28.51	12.30	26.27	11.23
	-16.7	-17.0	31.78	14.06	31.75	14.22	30.48	13.11	29.55	12.64	28.51	12.05	26.27	10.99
	-13.7	-15.0	32.27	14.05	32.24	14.24	30.48	12.83	29.55	12.37	28.51	11.84	26.27	10.79
	-11.8	-13.0	32.75	14.08	32.74	13.97	30.48	12.58	29.55	12.14	28.51	11.58	26.27	10.56
	-9.8	-11.0	33.25	14.09	33.22	13.71	30.48	12.34	29.55	11.91	28.51	11.38	26.27	10.38
	-9.5	-10.0	33.49	14.14	33.22	13.58	30.48	12.24	29.55	11.81	28.51	11.26	26.27	10.26
	-8.5	-9.1	33.74	14.14	33.22	13.47	30.48	12.15	29.55	11.70	28.51	11.18	26.27	10.18
	-7.0	-7.6	34.10	14.16	33.22	13.27	30.48	11.98	29.55	11.55	28.51	11.01	26.27	10.06
	-5.0	-5.6	35.57	13.86	33.22	12.83	30.48	11.60	29.55	11.18	28.51	10.70	26.27	9.77
	-3.0	-3.7	35.57	14.35	33.22	12.37	30.48	11.11	29.55	10.76	28.51	10.31	26.27	9.48
	0.0	-0.7	35.57	14.16	33.22	11.80	30.48	10.72	29.55	10.43	28.51	10.02	26.27	9.29
	3.0	2.2	35.57	13.07	33.22	11.13	30.48	10.09	29.55	10.08	28.51	9.62	26.27	8.90
	5.0	4.1	35.57	11.96	33.22	10.52	30.48	9.65	29.55	9.65	28.51	9.17	26.27	8.73
	7.0	6.0	35.57	10.49	33.22	9.84	30.48	9.02	29.55	8.75	28.51	8.45	26.27	7.83
	9.0	7.9	35.57	9.95	33.22	9.38	30.48	8.64	29.55	8.43	28.51	8.12	26.27	7.60
	11.0	9.8	35.57	9.45	33.22	8.94	30.48	8.28	29.55	8.11	28.51	7.85	26.27	7.40
	13.0	11.8	35.57	9.01	33.22	8.57	30.48	7.99	29.55	7.85	28.51	7.62	26.27	7.24
15.0	13.7	35.57	8.73	33.22	8.32	30.48	7.80	29.55	7.67	28.51	7.48	26.27	7.11	
18.0	16.6	35.57	8.09	33.22	7.72	30.48	7.24	29.55	7.12	28.51	6.94	26.27	6.60	
21.0	19.5	35.57	7.51	33.22	7.17	30.48	6.70	29.55	6.59	28.51	6.42	26.27	6.11	
24.0	22.4	35.57	6.91	33.22	6.59	30.48	6.17	29.55	6.09	28.51	5.92	26.27	5.64	
27.0	25.3	35.57	6.35	33.22	6.05	30.48	5.67	29.55	5.57	28.51	5.44	26.27	5.17	
30.0	28.1	35.57	5.80	33.22	5.53	30.48	5.18	29.55	5.09	28.51	4.97	26.27	4.73	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.16:12HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	30.22	14.75	28.19	13.50	26.78	13.54	25.15	13.02	24.18	12.83	22.40	12.47
	-25.0	-25.4	30.83	14.73	28.77	13.51	27.33	13.54	25.67	13.02	24.68	12.84	22.86	12.50
	-19.8	-20.0	30.83	14.04	28.77	12.80	27.33	12.78	25.67	12.26	24.68	12.09	22.86	11.76
	-18.8	-19.0	31.08	13.86	28.77	12.67	27.33	12.66	25.67	12.15	24.68	11.97	22.86	11.60
	-16.7	-17.0	31.08	13.60	28.77	12.43	27.33	12.41	25.67	11.91	24.68	11.74	22.86	11.40
	-13.7	-15.0	31.08	13.32	28.77	12.19	27.33	12.17	25.67	11.69	24.68	11.53	22.86	11.16
	-11.8	-13.0	31.08	13.04	28.77	11.94	27.33	11.98	25.67	11.50	24.68	11.32	22.86	10.95
	-9.8	-11.0	31.08	12.80	28.77	11.69	27.33	11.76	25.67	11.28	24.68	11.10	22.86	10.72
	-9.5	-10.0	31.08	12.70	28.77	11.63	27.33	11.45	25.67	11.00	24.68	10.80	22.86	10.45
	-8.5	-9.1	31.08	12.56	28.77	11.53	27.33	11.10	25.67	10.61	24.68	10.44	22.86	10.07
	-7.0	-7.6	31.08	12.40	28.77	11.36	27.33	10.60	25.67	10.14	24.68	9.98	22.86	9.59
	-5.0	-5.6	31.08	12.00	28.77	11.00	27.33	10.32	25.67	9.87	24.68	9.70	22.86	9.32
	-3.0	-3.7	31.08	11.39	28.77	10.69	27.33	10.01	25.67	9.54	24.68	9.37	22.86	9.00
	0.0	-0.7	31.08	10.78	28.77	10.20	27.33	9.59	25.67	9.14	24.68	8.97	22.86	8.57
	3.0	2.2	31.08	10.16	28.77	9.66	27.33	8.99	25.67	8.56	24.68	8.42	22.86	8.02
	5.0	4.1	31.08	9.68	28.77	9.05	27.33	8.66	25.67	8.22	24.68	8.07	22.86	7.68
	7.0	6.0	31.08	9.32	28.77	8.63	27.33	8.22	25.67	7.83	24.68	7.65	22.86	7.26
	9.0	7.9	31.08	8.91	28.77	8.31	27.33	7.94	25.67	7.52	24.68	7.37	22.86	6.97
	11.0	9.8	31.08	8.55	28.77	8.02	27.33	7.63	25.67	7.21	24.68	7.05	22.86	6.64
13.0	11.8	31.08	8.23	28.77	7.69	27.33	7.25	25.67	6.88	24.68	6.70	22.86	6.27	
15.0	13.7	31.08	7.93	28.77	7.36	27.33	6.97	25.67	6.57	24.68	6.41	22.86	6.00	
18.0	16.6	31.08	7.39	28.77	6.84	27.33	6.49	25.67	6.13	24.68	5.97	22.86	5.58	
21.0	19.5	31.08	6.85	28.77	6.35	27.33	6.00	25.67	5.68	24.68	5.53	22.86	5.16	
24.0	22.4	31.08	6.32	28.77	5.83	27.33	5.53	25.67	5.23	24.68	5.10	22.86	4.77	
27.0	25.3	31.08	5.78	28.77	5.36	27.33	5.08	25.67	4.79	24.68	4.68	22.86	4.37	
30.0	28.1	31.08	5.29	28.77	4.90	27.33	4.64	25.67	4.37	24.68	4.27	22.86	4.00	
60%	-30.0	-30.5	25.86	13.60	24.23	12.85	22.66	12.36	21.59	11.97	20.90	11.61	19.04	10.89
	-25.0	-25.4	26.39	13.59	24.72	12.84	23.13	12.36	22.04	11.97	21.33	11.63	19.43	10.89
	-19.8	-20.0	26.39	12.88	24.72	12.26	23.13	11.89	22.04	11.43	21.33	11.07	19.43	10.35
	-18.8	-19.0	26.39	12.51	24.72	11.86	23.13	11.49	22.04	11.08	21.33	10.64	19.43	9.98
	-16.7	-17.0	26.39	12.15	24.72	11.46	23.13	11.12	22.04	10.65	21.33	10.24	19.43	9.59
	-13.7	-15.0	26.39	11.74	24.72	11.15	23.13	10.79	22.04	10.25	21.33	9.85	19.43	9.16
	-11.8	-13.0	26.39	11.29	24.72	10.71	23.13	10.37	22.04	9.91	21.33	9.43	19.43	8.77
	-9.8	-11.0	26.39	10.96	24.72	10.33	23.13	9.87	22.04	9.43	21.33	9.02	19.43	8.45
	-9.5	-10.0	26.39	10.53	24.72	9.90	23.13	9.47	22.04	9.02	21.33	8.62	19.43	7.97
	-8.5	-9.1	26.39	10.09	24.72	9.55	23.13	9.06	22.04	8.64	21.33	8.21	19.43	7.52
	-7.0	-7.6	26.39	9.73	24.72	9.13	23.13	8.76	22.04	8.34	21.33	7.90	19.43	7.19
	-5.0	-5.6	26.39	9.37	24.72	8.79	23.13	8.31	22.04	8.01	21.33	7.59	19.43	6.87
	-3.0	-3.7	26.39	9.05	24.72	8.45	23.13	7.95	22.04	7.68	21.33	7.26	19.43	6.62
	0.0	-0.7	26.39	8.69	24.72	8.14	23.13	7.59	22.04	7.32	21.33	6.90	19.43	6.50
	3.0	2.2	26.39	8.30	24.72	7.74	23.13	7.31	22.04	7.00	21.33	6.53	19.43	6.26
	5.0	4.1	26.39	7.87	24.72	7.41	23.13	7.04	22.04	6.70	21.33	6.40	19.43	6.11
	7.0	6.0	26.39	7.50	24.72	7.09	23.13	6.72	22.04	6.43	21.33	6.36	19.43	6.00
	9.0	7.9	26.39	7.38	24.72	6.93	23.13	6.61	22.04	6.29	21.33	6.08	19.43	5.75
	11.0	9.8	26.39	7.26	24.72	6.82	23.13	6.44	22.04	6.12	21.33	5.97	19.43	5.64
	13.0	11.8	26.39	7.05	24.72	6.61	23.13	6.23	22.04	5.99	21.33	5.84	19.43	5.50
15.0	13.7	26.39	6.97	24.72	6.47	23.13	6.05	22.04	5.85	21.33	5.68	19.43	5.35	
18.0	16.6	26.39	6.46	24.72	6.01	23.13	5.61	22.04	5.45	21.33	5.30	19.43	4.97	
21.0	19.5	26.39	5.99	24.72	5.57	23.13	5.21	22.04	5.05	21.33	4.91	19.43	4.61	
24.0	22.4	26.39	5.53	24.72	5.13	23.13	4.79	22.04	4.64	21.33	4.51	19.43	4.25	
27.0	25.3	26.39	5.06	24.72	4.71	23.13	4.40	22.04	4.27	21.33	4.14	19.43	3.89	
30.0	28.1	26.39	4.62	24.72	4.31	23.13	4.02	22.04	3.90	21.33	3.78	19.43	3.55	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.16: 12HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	21.83	11.38	20.15	10.60	19.11	10.35	18.13	10.03	17.18	9.63	15.78	9.02
	-25.0	-25.4	22.27	11.36	20.56	10.63	19.50	10.33	18.50	10.04	17.53	9.63	16.10	9.02
	-19.8	-20.0	22.27	10.75	20.56	10.13	19.50	9.94	18.50	9.58	17.53	9.19	16.10	8.54
	-18.8	-19.0	22.27	10.49	20.56	9.79	19.50	9.58	18.50	9.27	17.53	8.85	16.10	8.24
	-16.7	-17.0	22.27	10.14	20.56	9.49	19.50	9.30	18.50	8.92	17.53	8.52	16.10	7.91
	-13.7	-15.0	22.27	9.82	20.56	9.20	19.50	9.02	18.50	8.57	17.53	8.20	16.10	7.56
	-11.8	-13.0	22.27	9.46	20.56	8.86	19.50	8.65	18.50	8.29	17.53	7.84	16.10	7.23
	-9.8	-11.0	22.27	9.16	20.56	8.52	19.50	8.25	18.50	7.91	17.53	7.53	16.10	6.97
	-9.5	-10.0	22.27	8.83	20.56	8.18	19.50	7.91	18.50	7.58	17.53	7.22	16.10	6.59
	-8.5	-9.1	22.27	8.48	20.56	7.89	19.50	7.60	18.50	7.25	17.53	6.88	16.10	6.22
	-7.0	-7.6	22.27	8.15	20.56	7.57	19.50	7.31	18.50	6.99	17.53	6.63	16.10	5.94
	-5.0	-5.6	22.27	7.85	20.56	7.26	19.50	6.95	18.50	6.72	17.53	6.37	16.10	5.66
	-3.0	-3.7	22.27	7.56	20.56	6.99	19.50	6.64	18.50	6.43	17.53	6.08	16.10	5.47
	0.0	-0.7	22.27	7.28	20.56	6.71	19.50	6.35	18.50	6.13	17.53	5.79	16.10	5.36
	3.0	2.2	22.27	6.93	20.56	6.39	19.50	6.11	18.50	5.88	17.53	5.50	16.10	5.32
	5.0	4.1	22.27	6.57	20.56	6.12	19.50	5.87	18.50	5.61	17.53	5.39	16.10	5.27
	7.0	6.0	22.27	6.27	20.56	5.85	19.50	5.60	18.50	5.39	17.53	5.30	16.10	5.11
	9.0	7.9	22.27	6.18	20.56	5.73	19.50	5.52	18.50	5.27	17.53	5.08	16.10	4.96
	11.0	9.8	22.27	6.09	20.56	5.63	19.50	5.38	18.50	5.13	17.53	4.99	16.10	4.86
13.0	11.8	22.27	5.89	20.56	5.45	19.50	5.20	18.50	5.03	17.53	4.88	16.10	4.77	
15.0	13.7	22.27	5.81	20.56	5.34	19.50	5.05	18.50	4.90	17.53	4.75	16.10	4.63	
18.0	16.6	22.27	5.41	20.56	4.97	19.50	4.69	18.50	4.57	17.53	4.42	16.10	4.30	
21.0	19.5	22.27	5.02	20.56	4.61	19.50	4.35	18.50	4.23	17.53	4.08	16.10	3.99	
24.0	22.4	22.27	4.61	20.56	4.24	19.50	4.01	18.50	3.89	17.53	3.76	16.10	3.67	
27.0	25.3	22.27	4.23	20.56	3.89	19.50	3.68	18.50	3.57	17.53	3.45	16.10	3.37	
30.0	28.1	22.27	3.87	20.56	3.55	19.50	3.37	18.50	3.26	17.53	3.16	16.10	3.07	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.17:14HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-30.0	-30.5	35.35	11.58	34.77	11.63	34.51	12.28	34.27	12.55	34.00	12.80	34.46	13.29
	-25.0	-25.4	36.07	11.57	35.48	11.65	35.21	12.26	34.97	12.56	34.70	12.83	35.17	13.26
	-19.8	-20.0	37.92	11.89	37.31	11.99	37.66	12.77	37.37	13.09	37.12	13.30	37.70	13.77
	-18.8	-19.0	38.21	12.13	37.59	12.14	37.96	12.88	37.81	13.19	37.42	13.46	37.99	13.81
	-16.7	-17.0	38.80	12.23	38.17	12.35	38.55	13.03	38.40	13.32	38.00	13.59	38.58	14.07
	-13.7	-15.0	39.38	12.38	38.75	12.54	39.13	13.24	38.98	13.56	38.58	13.82	39.17	14.24
	-11.8	-13.0	39.97	12.61	39.33	12.74	39.72	13.50	39.57	13.82	39.16	14.05	39.92	14.48
	-9.8	-11.0	40.56	12.78	39.90	12.99	40.31	13.64	40.15	13.96	39.88	14.18	40.50	14.51
	-9.5	-10.0	40.85	13.00	40.19	13.13	40.74	13.85	40.44	14.17	40.16	14.37	40.80	14.71
	-8.5	-9.1	41.14	13.17	40.48	13.31	40.89	14.03	40.73	14.32	40.46	14.55	41.09	14.87
	-7.0	-7.6	41.58	13.18	40.92	13.48	41.48	14.13	41.17	14.39	40.89	14.78	41.54	15.07
	-5.0	-5.6	44.80	13.75	44.10	13.84	44.55	14.57	44.38	14.96	43.94	14.87	44.64	15.28
	-3.0	-3.7	45.39	14.09	44.67	14.07	45.14	14.84	44.97	15.20	44.52	15.04	45.23	15.48
	0.0	-0.7	46.27	14.47	45.55	14.21	46.02	15.03	45.84	15.35	45.39	15.29	46.27	15.57
	3.0	2.2	51.11	15.35	49.88	15.14	50.42	15.78	50.07	16.04	49.73	16.08	50.55	16.53
	5.0	4.1	63.55	18.49	60.23	18.05	60.09	18.22	57.52	17.60	54.81	17.25	51.29	16.86
	7.0	6.0	64.57	18.65	61.39	17.57	60.09	17.36	57.52	16.86	54.81	16.56	51.29	16.25
	9.0	7.9	64.57	17.76	61.39	16.71	60.09	16.84	57.52	16.52	54.81	16.16	51.29	15.87
	11.0	9.8	64.57	16.87	61.39	16.02	60.09	16.23	57.52	15.95	54.81	15.69	51.29	15.31
	13.0	11.8	64.57	16.06	61.39	15.56	60.09	15.80	57.52	15.71	54.81	15.32	51.29	15.04
15.0	13.7	64.57	15.54	61.39	15.21	60.09	15.34	57.52	15.10	54.81	14.86	51.29	14.47	
18.0	16.6	65.27	14.62	61.86	14.27	60.39	14.34	57.67	14.04	54.84	13.83	51.29	13.44	
21.0	19.5	65.66	13.65	62.03	13.23	60.39	13.31	57.67	13.01	54.84	12.85	51.29	12.47	
24.0	22.4	65.71	12.58	62.03	12.20	60.39	12.26	57.67	11.98	54.84	11.80	51.29	11.47	
27.0	25.3	65.71	11.55	62.03	11.21	60.39	11.22	57.67	11.00	54.84	10.83	51.29	10.52	
30.0	28.1	65.71	10.53	62.03	10.22	60.39	10.27	57.67	10.06	54.84	9.89	51.29	9.63	
120%	-30.0	-30.5	35.25	12.69	34.50	12.93	35.07	13.63	34.69	13.86	34.57	14.21	34.03	14.23
	-25.0	-25.4	35.97	12.69	35.20	12.94	35.79	13.63	35.40	13.85	35.27	14.18	34.73	14.21
	-19.8	-20.0	38.14	13.06	37.33	13.25	37.84	13.86	37.55	14.10	37.44	14.45	36.83	14.49
	-18.8	-19.0	38.43	13.26	37.62	13.29	38.14	14.12	37.85	14.32	37.73	14.70	37.11	14.68
	-16.7	-17.0	39.02	13.41	38.20	13.48	38.73	14.33	38.43	14.52	38.32	14.85	37.84	14.73
	-13.7	-15.0	39.62	13.61	38.78	13.73	39.32	14.37	39.02	14.58	39.05	14.95	38.42	14.88
	-11.8	-13.0	40.21	13.80	39.36	13.88	39.97	14.54	39.60	14.81	39.64	15.11	39.00	15.03
	-9.8	-11.0	40.80	13.90	39.95	14.01	40.65	14.73	40.19	14.92	40.23	15.26	39.58	15.33
	-9.5	-10.0	41.09	14.05	40.24	14.11	40.94	14.83	40.49	15.07	40.52	15.36	39.87	15.50
	-8.5	-9.1	41.39	14.18	40.53	14.26	41.24	14.98	40.77	15.19	40.81	15.53	40.16	15.55
	-7.0	-7.6	41.83	14.46	40.97	14.54	41.69	15.19	41.21	15.40	41.25	15.73	40.59	15.72
	-5.0	-5.6	45.08	14.56	44.16	14.63	44.79	15.30	44.45	15.55	44.49	15.86	43.78	15.94
	-3.0	-3.7	45.67	14.81	44.74	14.90	45.38	15.54	45.03	15.74	44.92	16.06	44.36	16.02
	0.0	-0.7	46.56	14.99	45.62	15.08	46.26	15.64	45.91	15.86	45.95	16.20	45.23	16.17
	3.0	2.2	50.84	15.93	49.97	16.02	50.70	16.48	50.17	16.66	50.22	16.98	46.39	15.99
	5.0	4.1	64.01	17.82	59.12	17.36	55.87	17.37	53.25	16.87	51.24	16.73	46.39	15.53
	7.0	6.0	64.45	17.68	59.12	16.58	55.87	16.47	53.25	16.07	51.24	15.97	46.39	15.13
	9.0	7.9	64.45	16.96	59.12	15.86	55.87	15.95	53.25	15.56	51.24	15.55	46.39	14.69
	11.0	9.8	64.45	16.38	59.12	15.52	55.87	15.44	53.25	15.07	51.24	14.99	46.39	14.12
	13.0	11.8	64.45	16.00	59.12	15.15	55.87	15.01	53.25	14.82	51.24	14.68	46.39	13.85
15.0	13.7	64.45	15.62	59.12	14.71	55.87	14.60	53.25	14.31	51.24	14.20	46.39	13.36	
18.0	16.6	65.15	14.69	59.57	13.75	56.15	13.63	53.39	13.34	51.27	13.19	46.39	12.43	
21.0	19.5	65.53	13.71	59.73	12.76	56.15	12.61	53.39	12.34	51.27	12.25	46.39	11.49	
24.0	22.4	65.59	12.62	59.73	11.79	56.15	11.62	53.39	11.40	51.27	11.26	46.39	10.60	
27.0	25.3	65.59	11.60	59.73	10.83	56.15	10.67	53.39	10.45	51.27	10.34	46.39	9.72	
30.0	28.1	65.59	10.60	59.73	9.88	56.15	9.75	53.39	9.55	51.27	9.44	46.39	8.89	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.17: 14HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-30.0	-30.5	35.03	12.85	35.18	13.28	35.04	13.60	35.16	13.40	34.73	13.54	34.71	13.88
	-25.0	-25.4	35.75	12.84	35.90	13.28	35.76	13.60	35.88	13.41	35.43	13.54	35.41	13.87
	-19.8	-20.0	37.29	13.01	37.48	13.44	37.37	13.74	37.44	13.56	36.97	13.72	36.97	14.08
	-18.8	-19.0	37.59	13.22	37.77	13.64	37.66	13.96	37.73	13.59	37.26	13.86	37.26	14.10
	-16.7	-17.0	38.17	13.42	38.36	13.82	38.25	14.16	38.32	13.88	37.99	14.03	37.84	14.27
	-13.7	-15.0	38.74	13.56	38.94	13.97	38.84	14.28	38.91	13.93	38.57	14.08	38.42	14.44
	-11.8	-13.0	39.32	13.73	39.53	14.15	39.56	14.50	39.50	14.08	39.15	14.25	39.01	14.62
	-9.8	-11.0	39.91	13.72	40.11	14.17	40.15	14.50	40.08	14.36	39.73	14.45	39.59	14.78
	-9.5	-10.0	40.20	13.89	40.55	14.33	40.45	14.65	40.38	14.39	40.03	14.62	39.88	14.97
	-8.5	-9.1	40.49	14.06	40.69	14.48	40.73	14.79	40.67	14.53	40.32	14.73	40.17	15.12
	-7.0	-7.6	40.93	14.17	41.13	14.64	41.17	14.91	41.11	14.77	40.75	14.90	40.61	15.14
	-5.0	-5.6	44.12	14.38	44.36	14.83	44.25	15.10	44.34	14.91	43.95	15.02	42.65	14.97
	-3.0	-3.7	44.70	14.49	44.95	14.92	44.84	15.23	44.92	15.01	44.53	15.19	42.65	14.75
	0.0	-0.7	45.57	14.86	45.82	15.29	45.86	15.59	45.81	15.12	45.41	15.36	42.65	14.52
	3.0	2.2	49.78	15.47	50.21	15.93	50.12	16.24	48.89	15.77	46.57	15.43	42.65	14.41
	5.0	4.1	58.05	16.89	54.61	17.00	50.85	15.86	48.89	15.49	46.57	15.08	42.65	14.37
	7.0	6.0	58.05	16.31	54.61	16.03	50.85	15.07	48.89	14.70	46.57	14.35	42.65	13.97
	9.0	7.9	58.05	15.54	54.61	15.17	50.85	14.56	48.89	14.35	46.57	14.06	42.65	13.74
	11.0	9.8	58.05	14.96	54.61	14.63	50.85	14.13	48.89	13.84	46.57	13.60	42.65	13.29
	13.0	11.8	58.05	14.54	54.61	14.16	50.85	13.69	48.89	13.39	46.57	13.15	42.65	12.82
15.0	13.7	58.05	14.14	54.61	13.68	50.85	13.21	48.89	12.95	46.57	12.69	42.65	12.39	
18.0	16.6	58.68	13.29	55.03	12.82	51.10	12.35	49.02	12.10	46.59	11.83	42.65	11.50	
21.0	19.5	59.02	12.39	55.18	11.91	51.10	11.46	49.02	11.19	46.59	10.92	42.65	10.65	
24.0	22.4	59.07	11.40	55.18	10.96	51.10	10.53	49.02	10.31	46.59	10.07	42.65	9.83	
27.0	25.3	59.07	10.49	55.18	10.08	51.10	9.67	49.02	9.48	46.59	9.24	42.65	9.02	
30.0	28.1	59.07	9.56	55.18	9.19	51.10	8.85	49.02	8.64	46.59	8.46	42.65	8.25	
100%	-30.0	-30.5	34.96	16.00	34.89	16.18	34.24	16.20	34.68	16.45	34.75	16.55	34.30	16.62
	-25.0	-25.4	35.67	16.02	35.60	16.21	34.94	16.22	35.39	16.43	35.46	16.53	35.00	16.65
	-19.8	-20.0	37.33	16.00	37.26	16.22	36.57	16.32	37.04	16.45	37.11	16.55	36.65	16.52
	-18.8	-19.0	37.91	16.06	37.84	16.26	37.14	16.36	37.62	16.46	37.69	16.62	37.22	16.36
	-16.7	-17.0	38.49	16.05	38.42	16.26	37.86	16.38	38.20	16.53	38.27	16.66	37.79	16.28
	-13.7	-15.0	39.07	16.12	39.00	16.26	38.43	16.39	38.78	16.53	38.86	16.68	38.37	16.08
	-11.8	-13.0	39.64	16.14	39.58	16.34	39.00	16.42	39.36	16.56	39.44	16.65	38.37	15.93
	-9.8	-11.0	39.94	16.14	40.02	16.34	39.29	16.44	39.80	16.54	39.72	16.69	38.37	15.91
	-9.5	-10.0	40.22	16.16	40.16	16.34	39.57	16.47	39.94	16.61	40.02	16.71	38.37	15.76
	-8.5	-9.1	40.66	16.18	40.74	16.34	40.00	16.56	40.37	16.63	40.45	16.73	38.37	15.54
	-7.0	-7.6	43.85	16.17	43.78	16.39	43.14	16.85	43.55	17.20	42.19	16.41	38.37	15.48
	-5.0	-5.6	44.43	16.19	44.36	16.40	43.71	16.48	43.85	16.75	42.19	15.90	38.37	15.03
	-3.0	-3.7	45.29	16.26	45.23	16.40	44.57	15.95	43.85	15.76	42.19	15.42	38.37	14.55
	0.0	-0.7	46.45	16.25	49.15	16.39	45.00	15.48	43.85	15.03	42.19	14.64	38.37	13.93
	3.0	2.2	49.49	15.95	49.15	16.00	45.00	15.04	43.85	14.31	42.19	13.78	38.37	13.24
	5.0	4.1	52.53	15.65	49.15	15.22	45.00	14.32	43.85	13.69	42.19	13.22	38.37	12.65
	7.0	6.0	52.53	15.47	49.15	14.44	45.00	13.43	43.85	12.93	42.19	12.68	38.37	12.10
	9.0	7.9	52.53	14.58	49.15	13.68	45.00	13.07	43.85	12.63	42.19	12.31	38.37	11.67
	11.0	9.8	52.53	13.66	49.15	12.81	45.00	12.63	43.85	12.13	42.19	11.85	38.37	11.21
	13.0	11.8	52.53	12.82	49.15	12.52	45.00	12.13	43.85	11.66	42.19	11.45	38.37	10.83
15.0	13.7	52.53	12.18	49.15	11.98	45.00	11.68	43.85	11.27	42.19	11.02	38.37	10.38	
18.0	16.6	52.53	11.31	49.15	11.16	45.00	10.87	43.85	10.47	42.19	10.25	38.37	9.68	
21.0	19.5	52.53	10.47	49.15	10.32	45.00	10.07	43.85	9.71	42.19	9.50	38.37	8.96	
24.0	22.4	52.53	9.68	49.15	9.52	45.00	9.28	43.85	8.96	42.19	8.77	38.37	8.26	
27.0	25.3	52.53	8.88	49.15	8.73	45.00	8.52	43.85	8.20	42.19	8.02	38.37	7.58	
30.0	28.1	52.53	8.10	49.15	7.95	45.00	7.78	43.85	7.50	42.19	7.32	38.37	6.92	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.17:14HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	34.83	16.07	34.98	16.35	34.87	16.52	34.47	16.55	34.90	16.84	34.24	15.62
	-25.0	-25.4	35.54	16.06	35.69	16.35	35.58	16.57	35.17	16.56	35.62	16.87	34.94	15.65
	-19.8	-20.0	37.04	16.33	37.26	16.62	37.11	16.81	36.71	16.72	37.18	17.02	34.94	15.32
	-18.8	-19.0	37.33	16.35	37.55	16.63	37.40	16.84	37.01	16.76	37.48	16.96	34.94	15.16
	-16.7	-17.0	37.92	16.38	38.13	16.66	38.13	16.88	37.59	16.75	38.06	16.67	34.94	14.83
	-13.7	-15.0	38.50	16.37	38.72	16.72	38.72	16.87	38.17	16.80	38.51	16.29	34.94	14.56
	-11.8	-13.0	39.08	16.39	39.31	16.71	39.31	16.92	38.74	16.55	38.51	15.97	34.94	14.29
	-9.8	-11.0	39.66	16.44	40.04	16.80	39.90	16.93	39.48	16.22	38.51	15.66	34.94	13.98
	-9.5	-10.0	39.95	16.47	40.34	16.78	40.19	16.98	39.62	16.11	38.51	15.50	34.94	13.88
	-8.5	-9.1	40.24	16.48	40.49	16.82	40.49	16.89	39.62	15.95	38.51	15.39	34.94	13.72
	-7.0	-7.6	40.67	16.46	41.07	16.60	40.93	16.65	39.62	15.73	38.51	15.16	34.94	13.54
	-5.0	-5.6	43.87	16.54	44.15	15.85	41.66	15.98	39.62	15.20	38.51	14.70	34.94	13.15
	-3.0	-3.7	44.45	16.51	44.74	15.14	41.66	15.21	39.62	14.62	38.51	14.21	34.94	12.81
	0.0	-0.7	45.32	16.54	44.74	14.41	41.66	14.56	39.62	13.95	38.51	13.51	34.94	12.47
	3.0	2.2	47.50	16.56	44.74	13.61	41.66	13.73	39.62	13.41	38.51	12.90	34.94	12.06
	5.0	4.1	47.50	16.17	44.74	12.95	41.66	13.09	39.62	12.75	38.51	12.31	34.94	11.60
	7.0	6.0	47.50	14.07	44.74	12.71	41.66	12.24	39.62	11.64	38.51	11.35	34.94	10.32
	9.0	7.9	47.50	13.18	44.74	12.49	41.66	11.62	39.62	11.08	38.51	10.82	34.94	9.91
	11.0	9.8	47.50	12.43	44.74	11.80	41.66	11.07	39.62	10.60	38.51	10.37	34.94	9.56
	13.0	11.8	47.50	11.76	44.74	11.20	41.66	10.60	39.62	10.14	38.51	9.97	34.94	9.26
15.0	13.7	47.50	11.27	44.74	10.81	41.66	10.22	39.62	9.84	38.51	9.69	34.94	9.02	
18.0	16.6	47.50	10.46	44.74	10.04	41.66	9.53	39.62	9.15	38.51	9.00	34.94	8.39	
21.0	19.5	47.50	9.71	44.74	9.31	41.66	8.82	39.62	8.49	38.51	8.36	34.94	7.76	
24.0	22.4	47.50	8.95	44.74	8.57	41.66	8.12	39.62	7.80	38.51	7.70	34.94	7.16	
27.0	25.3	47.50	8.19	44.74	7.86	41.66	7.45	39.62	7.17	38.51	7.06	34.94	6.57	
30.0	28.1	47.50	7.49	44.74	7.19	41.66	6.81	39.62	6.55	38.51	6.44	34.94	6.01	
80%	-30.0	-30.5	35.52	17.38	35.31	17.56	35.54	17.10	35.19	16.26	33.79	15.54	30.35	13.80
	-25.0	-25.4	36.25	17.41	36.03	17.56	36.27	17.10	35.91	16.25	34.48	15.52	30.97	13.80
	-19.8	-20.0	37.69	16.74	37.47	16.88	37.39	16.35	35.91	15.60	34.48	14.80	30.97	13.15
	-18.8	-19.0	37.98	16.75	37.77	16.88	37.39	16.21	35.91	15.46	34.48	14.67	30.97	13.01
	-16.7	-17.0	38.58	16.75	38.36	16.93	37.39	15.85	35.91	15.14	34.48	14.37	30.97	12.76
	-13.7	-15.0	39.17	16.79	38.95	16.92	37.39	15.55	35.91	14.85	34.48	14.07	30.97	12.51
	-11.8	-13.0	39.77	16.86	39.54	16.64	37.39	15.22	35.91	14.53	34.48	13.79	30.97	12.29
	-9.8	-11.0	40.36	16.85	40.13	16.29	37.39	14.96	35.91	14.23	34.48	13.55	30.97	12.05
	-9.5	-10.0	40.65	16.85	40.13	16.14	37.39	14.78	35.91	14.13	34.48	13.40	30.97	11.93
	-8.5	-9.1	40.95	16.92	40.13	15.99	37.39	14.65	35.91	14.01	34.48	13.28	30.97	11.85
	-7.0	-7.6	41.40	16.93	40.13	15.74	37.39	14.46	35.91	13.79	34.48	13.11	30.97	11.65
	-5.0	-5.6	43.18	16.57	40.13	15.27	37.39	14.03	35.91	13.38	34.48	12.73	30.97	11.32
	-3.0	-3.7	43.18	17.16	40.13	14.71	37.39	13.39	35.91	12.88	34.48	12.30	30.97	11.00
	0.0	-0.7	43.18	16.95	40.13	14.00	37.39	12.96	35.91	12.51	34.48	11.90	30.97	10.79
	3.0	2.2	43.18	15.63	40.13	13.21	37.39	12.20	35.91	12.07	34.48	11.46	30.97	10.33
	5.0	4.1	43.18	14.30	40.13	12.48	37.39	11.64	35.91	11.55	34.48	10.94	30.97	10.11
	7.0	6.0	43.18	12.53	40.13	11.70	37.39	10.87	35.91	10.46	34.48	10.06	30.97	9.10
	9.0	7.9	43.18	11.87	40.13	11.13	37.39	10.43	35.91	10.06	34.48	9.68	30.97	8.84
	11.0	9.8	43.18	11.29	40.13	10.63	37.39	10.03	35.91	9.72	34.48	9.35	30.97	8.59
	13.0	11.8	43.18	10.77	40.13	10.21	37.39	9.66	35.91	9.38	34.48	9.10	30.97	8.38
15.0	13.7	43.18	10.42	40.13	9.89	37.39	9.42	35.91	9.16	34.48	8.87	30.97	8.25	
18.0	16.6	43.18	9.70	40.13	9.20	37.39	8.74	35.91	8.52	34.48	8.26	30.97	7.66	
21.0	19.5	43.18	8.96	40.13	8.51	37.39	8.11	35.91	7.90	34.48	7.66	30.97	7.09	
24.0	22.4	43.18	8.26	40.13	7.84	37.39	7.47	35.91	7.29	34.48	7.04	30.97	6.55	
27.0	25.3	43.18	7.59	40.13	7.20	37.39	6.84	35.91	6.67	34.48	6.47	30.97	6.00	
30.0	28.1	43.18	6.92	40.13	6.57	37.39	6.26	35.91	6.11	34.48	5.92	30.97	5.48	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.17: 14HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-30.0	-30.5	36.26	17.40	33.77	15.93	32.07	15.95	30.21	15.38	29.29	15.31	26.93	14.76
	-25.0	-25.4	37.00	17.40	34.46	15.94	32.73	15.95	30.83	15.41	29.89	15.31	27.48	14.76
	-19.8	-20.0	37.00	16.57	34.46	15.10	32.73	15.05	30.83	14.53	29.89	14.45	27.48	13.91
	-18.8	-19.0	37.30	16.40	34.46	14.92	32.73	14.91	30.83	14.33	29.89	14.28	27.48	13.72
	-16.7	-17.0	37.30	16.09	34.46	14.62	32.73	14.63	30.83	14.07	29.89	13.99	27.48	13.46
	-13.7	-15.0	37.30	15.72	34.46	14.36	32.73	14.36	30.83	13.82	29.89	13.72	27.48	13.22
	-11.8	-13.0	37.30	15.40	34.46	14.05	32.73	14.13	30.83	13.58	29.89	13.49	27.48	12.94
	-9.8	-11.0	37.30	15.14	34.46	13.80	32.73	13.89	30.83	13.31	29.89	13.25	27.48	12.70
	-9.5	-10.0	37.30	14.98	34.46	13.68	32.73	13.53	30.83	12.99	29.89	12.91	27.48	12.37
	-8.5	-9.1	37.30	14.87	34.46	13.58	32.73	13.08	30.83	12.54	29.89	12.44	27.48	11.90
	-7.0	-7.6	37.30	14.68	34.46	13.39	32.73	12.50	30.83	11.99	29.89	11.90	27.48	11.34
	-5.0	-5.6	37.30	14.21	34.46	12.98	32.73	12.16	30.83	11.63	29.89	11.53	27.48	11.01
	-3.0	-3.7	37.30	13.44	34.46	12.61	32.73	11.81	30.83	11.32	29.89	11.21	27.48	10.68
	0.0	-0.7	37.30	12.73	34.46	12.04	32.73	11.31	30.83	10.79	29.89	10.71	27.48	10.14
	3.0	2.2	37.30	12.00	34.46	11.40	32.73	10.60	30.83	10.12	29.89	10.01	27.48	9.48
	5.0	4.1	37.30	11.45	34.46	10.64	32.73	10.20	30.83	9.73	29.89	9.64	27.48	9.07
	7.0	6.0	37.30	11.01	34.46	10.18	32.73	9.68	30.83	9.24	29.89	9.13	27.48	8.59
	9.0	7.9	37.30	10.52	34.46	9.78	32.73	9.37	30.83	8.92	29.89	8.80	27.48	8.22
	11.0	9.8	37.30	10.13	34.46	9.48	32.73	9.01	30.83	8.53	29.89	8.43	27.48	7.87
	13.0	11.8	37.30	9.73	34.46	9.08	32.73	8.56	30.83	8.12	29.89	8.00	27.48	7.43
15.0	13.7	37.30	9.38	34.46	8.69	32.73	8.24	30.83	7.79	29.89	7.67	27.48	7.09	
18.0	16.6	37.30	8.74	34.46	8.07	32.73	7.67	30.83	7.24	29.89	7.13	27.48	6.62	
21.0	19.5	37.30	8.08	34.46	7.49	32.73	7.09	30.83	6.70	29.89	6.60	27.48	6.12	
24.0	22.4	37.30	7.47	34.46	6.89	32.73	6.54	30.83	6.17	29.89	6.08	27.48	5.65	
27.0	25.3	37.30	6.85	34.46	6.32	32.73	6.00	30.83	5.66	29.89	5.58	27.48	5.17	
30.0	28.1	37.30	6.25	34.46	5.77	32.73	5.48	30.83	5.18	29.89	5.10	27.48	4.72	
60%	-30.0	-30.5	31.33	16.23	29.01	15.18	26.93	14.48	26.41	14.40	25.21	13.80	22.98	12.93
	-25.0	-25.4	31.97	16.20	29.60	15.18	27.48	14.48	26.95	14.44	25.72	13.77	23.45	12.96
	-19.8	-20.0	31.97	15.37	29.60	14.43	27.48	13.94	26.95	13.81	25.72	13.14	23.45	12.31
	-18.8	-19.0	31.97	14.98	29.60	13.96	27.48	13.46	26.95	13.31	25.72	12.64	23.45	11.84
	-16.7	-17.0	31.97	14.49	29.60	13.52	27.48	13.01	26.95	12.82	25.72	12.17	23.45	11.39
	-13.7	-15.0	31.97	13.99	29.60	13.13	27.48	12.63	26.95	12.33	25.72	11.70	23.45	10.92
	-11.8	-13.0	31.97	13.50	29.60	12.64	27.48	12.14	26.95	11.90	25.72	11.20	23.45	10.43
	-9.8	-11.0	31.97	13.06	29.60	12.15	27.48	11.57	26.95	11.39	25.72	10.72	23.45	10.04
	-9.5	-10.0	31.97	12.59	29.60	11.68	27.48	11.09	26.95	10.86	25.72	10.22	23.45	9.50
	-8.5	-9.1	31.97	12.05	29.60	11.25	27.48	10.63	26.95	10.41	25.72	9.75	23.45	8.96
	-7.0	-7.6	31.97	11.61	29.60	10.78	27.48	10.24	26.95	10.08	25.72	9.40	23.45	8.54
	-5.0	-5.6	31.97	11.21	29.60	10.40	27.48	9.73	26.95	9.63	25.72	9.01	23.45	8.15
	-3.0	-3.7	31.97	10.81	29.60	9.97	27.48	9.32	26.95	9.25	25.72	8.60	23.45	7.87
	0.0	-0.7	31.97	10.37	29.60	9.58	27.48	8.89	26.95	8.82	25.72	8.19	23.45	7.70
	3.0	2.2	31.97	9.88	29.60	9.12	27.48	8.54	26.95	8.44	25.72	7.78	23.45	7.43
	5.0	4.1	31.97	9.39	29.60	8.74	27.48	8.25	26.95	8.09	25.72	7.60	23.45	7.27
	7.0	6.0	31.97	8.97	29.60	8.36	27.48	7.86	26.95	7.75	25.72	7.56	23.45	7.13
	9.0	7.9	31.97	8.80	29.60	8.17	27.48	7.72	26.95	7.57	25.72	7.22	23.45	6.82
	11.0	9.8	31.97	8.67	29.60	8.05	27.48	7.52	26.95	7.39	25.72	7.09	23.45	6.69
	13.0	11.8	31.97	8.40	29.60	7.79	27.48	7.28	26.95	7.22	25.72	6.94	23.45	6.55
15.0	13.7	31.97	8.30	29.60	7.63	27.48	7.07	26.95	7.07	25.72	6.76	23.45	6.36	
18.0	16.6	31.97	7.71	29.60	7.09	27.48	6.57	26.95	6.56	25.72	6.28	23.45	5.92	
21.0	19.5	31.97	7.15	29.60	6.56	27.48	6.10	26.95	6.07	25.72	5.81	23.45	5.48	
24.0	22.4	31.97	6.59	29.60	6.05	27.48	5.61	26.95	5.59	25.72	5.36	23.45	5.05	
27.0	25.3	31.97	6.04	29.60	5.55	27.48	5.15	26.95	5.13	25.72	4.92	23.45	4.63	
30.0	28.1	31.97	5.51	29.60	5.08	27.48	4.70	26.95	4.70	25.72	4.50	23.45	4.23	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.17:14HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	26.36	13.51	24.72	12.85	22.91	12.19	21.68	11.81	20.86	11.55	19.27	10.80
	-25.0	-25.4	26.90	13.51	25.23	12.85	23.38	12.19	22.13	11.80	21.28	11.53	19.66	10.81
	-19.8	-20.0	26.90	12.78	25.23	12.26	23.38	11.75	22.13	11.32	21.28	10.99	19.66	10.25
	-18.8	-19.0	26.90	12.48	25.23	11.81	23.38	11.32	22.13	10.91	21.28	10.57	19.66	9.89
	-16.7	-17.0	26.90	12.10	25.23	11.44	23.38	10.99	22.13	10.48	21.28	10.20	19.66	9.48
	-13.7	-15.0	26.90	11.65	25.23	11.10	23.38	10.63	22.13	10.11	21.28	9.81	19.66	9.10
	-11.8	-13.0	26.90	11.25	25.23	10.72	23.38	10.23	22.13	9.76	21.28	9.39	19.66	8.70
	-9.8	-11.0	26.90	10.88	25.23	10.30	23.38	9.72	22.13	9.33	21.28	8.99	19.66	8.38
	-9.5	-10.0	26.90	10.49	25.23	9.88	23.38	9.33	22.13	8.92	21.28	8.62	19.66	7.92
	-8.5	-9.1	26.90	10.07	25.23	9.54	23.38	8.96	22.13	8.52	21.28	8.24	19.66	7.47
	-7.0	-7.6	26.90	9.67	25.23	9.13	23.38	8.65	22.13	8.25	21.28	7.93	19.66	7.15
	-5.0	-5.6	26.90	9.33	25.23	8.80	23.38	8.21	22.13	7.90	21.28	7.61	19.66	6.82
	-3.0	-3.7	26.90	9.00	25.23	8.43	23.38	7.84	22.13	7.59	21.28	7.27	19.66	6.57
	0.0	-0.7	26.90	8.64	25.23	8.11	23.38	7.48	22.13	7.23	21.28	6.93	19.66	6.45
	3.0	2.2	26.90	8.24	25.23	7.73	23.38	7.21	22.13	6.92	21.28	6.59	19.66	6.41
	5.0	4.1	26.90	7.81	25.23	7.40	23.38	6.93	22.13	6.62	21.28	6.44	19.66	6.35
	7.0	6.0	26.90	7.47	25.23	7.08	23.38	6.61	22.13	6.34	21.28	6.33	19.66	6.17
	9.0	7.9	26.90	7.34	25.23	6.91	23.38	6.50	22.13	6.20	21.28	6.07	19.66	5.96
	11.0	9.8	26.90	7.24	25.23	6.80	23.38	6.35	22.13	6.06	21.28	5.96	19.66	5.86
13.0	11.8	26.90	7.01	25.23	6.58	23.38	6.14	22.13	5.91	21.28	5.83	19.66	5.73	
15.0	13.7	26.90	6.93	25.23	6.46	23.38	5.97	22.13	5.79	21.28	5.67	19.66	5.58	
18.0	16.6	26.90	6.43	25.23	6.00	23.38	5.54	22.13	5.39	21.28	5.28	19.66	5.19	
21.0	19.5	26.90	5.96	25.23	5.57	23.38	5.13	22.13	4.98	21.28	4.88	19.66	4.80	
24.0	22.4	26.90	5.50	25.23	5.13	23.38	4.73	22.13	4.59	21.28	4.50	19.66	4.43	
27.0	25.3	26.90	5.04	25.23	4.70	23.38	4.33	22.13	4.21	21.28	4.14	19.66	4.07	
30.0	28.1	26.90	4.60	25.23	4.30	23.38	3.96	22.13	3.84	21.28	3.78	19.66	3.71	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table 2-8.18: 16HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-30.0	-30.5	38.87	13.55	39.09	13.90	38.39	14.49	37.93	14.78	38.15	15.33	38.34	15.72
	-25.0	-25.4	39.66	13.53	39.89	13.90	39.17	14.54	38.70	14.81	38.93	15.30	39.12	15.71
	-19.8	-20.0	41.69	13.92	41.94	14.34	41.89	15.11	41.37	15.39	41.65	15.93	41.92	16.27
	-18.8	-19.0	42.01	14.15	42.26	14.55	42.22	15.25	41.86	15.54	41.98	16.03	42.26	16.39
	-16.7	-17.0	42.66	14.32	42.91	14.77	42.87	15.39	42.50	15.71	42.62	16.22	42.91	16.67
	-13.7	-15.0	43.30	14.47	43.56	15.04	43.52	15.67	43.14	15.97	43.28	16.50	43.57	16.85
	-11.8	-13.0	43.94	14.71	44.21	15.27	44.18	15.96	43.79	16.24	43.93	16.74	44.40	17.14
	-9.8	-11.0	44.59	14.95	44.86	15.56	44.83	16.14	44.44	16.43	44.74	16.91	45.05	17.17
	-9.5	-10.0	44.91	15.19	45.19	15.70	45.32	16.39	44.76	16.68	45.07	17.16	45.38	17.39
	-8.5	-9.1	45.23	15.37	45.51	15.93	45.48	16.57	45.08	16.86	45.39	17.35	45.71	17.64
	-7.0	-7.6	45.72	15.38	46.00	16.16	46.13	16.72	45.57	16.99	45.88	17.60	46.20	17.85
	-5.0	-5.6	49.26	16.06	49.57	16.61	49.55	17.26	49.12	17.65	49.29	17.70	49.65	18.03
	-3.0	-3.7	49.90	16.46	50.22	16.88	50.20	17.51	49.77	17.93	49.95	17.94	50.32	18.31
	0.0	-0.7	50.86	16.94	51.20	17.03	51.18	17.77	50.74	18.08	50.93	18.22	51.47	18.40
	3.0	2.2	56.19	17.91	56.07	18.11	56.07	18.69	55.42	18.83	55.80	19.18	56.24	19.53
	5.0	4.1	69.86	21.66	67.71	21.60	66.83	21.59	63.67	20.74	61.49	20.65	57.06	19.97
	7.0	6.0	70.99	21.83	69.01	21.02	66.83	20.54	63.67	19.83	61.49	19.76	57.06	19.26
	9.0	7.9	70.99	20.72	69.01	20.03	66.83	19.90	63.67	19.43	61.49	19.26	57.06	18.84
	11.0	9.8	70.99	19.74	69.01	19.23	66.83	19.21	63.67	18.81	61.49	18.72	57.06	18.11
	13.0	11.8	70.99	18.78	69.01	18.66	66.83	18.71	63.67	18.52	61.49	18.29	57.06	17.79
15.0	13.7	70.99	18.21	69.01	18.23	66.83	18.17	63.67	17.75	61.49	17.77	57.06	17.13	
18.0	16.6	71.76	17.14	69.54	17.10	67.17	17.00	63.84	16.57	61.52	16.54	57.06	15.92	
21.0	19.5	72.18	15.97	69.73	15.88	67.17	15.73	63.84	15.33	61.52	15.28	57.06	14.74	
24.0	22.4	72.24	14.70	69.73	14.60	67.17	14.51	63.84	14.13	61.52	14.10	57.06	13.56	
27.0	25.3	72.24	13.47	69.73	13.39	67.17	13.30	63.84	12.99	61.52	12.96	57.06	12.45	
30.0	28.1	72.24	12.30	69.73	12.24	67.17	12.12	63.84	11.84	61.52	11.84	57.06	11.38	
120%	-30.0	-30.5	38.86	14.91	39.15	15.66	39.19	16.24	38.29	16.29	38.41	16.80	38.70	17.18
	-25.0	-25.4	39.66	14.88	39.95	15.61	39.99	16.21	39.07	16.24	39.19	16.78	39.49	17.18
	-19.8	-20.0	42.05	15.30	42.37	16.04	42.28	16.49	41.44	16.58	41.61	17.08	41.88	17.56
	-18.8	-19.0	42.38	15.56	42.70	16.01	42.62	16.82	41.76	16.86	41.92	17.32	42.20	17.75
	-16.7	-17.0	43.02	15.77	43.37	16.25	43.28	17.05	42.42	17.03	42.58	17.60	43.03	17.81
	-13.7	-15.0	43.68	15.96	44.02	16.61	43.94	17.08	43.06	17.13	43.39	17.68	43.69	18.02
	-11.8	-13.0	44.33	16.21	44.69	16.79	44.68	17.30	43.71	17.36	44.05	17.85	44.35	18.17
	-9.8	-11.0	44.98	16.28	45.34	16.86	45.43	17.51	44.35	17.52	44.70	18.06	45.01	18.52
	-9.5	-10.0	45.31	16.50	45.67	17.01	45.76	17.61	44.68	17.65	45.03	18.17	45.34	18.74
	-8.5	-9.1	45.63	16.66	46.01	17.21	46.09	17.86	45.01	17.85	45.36	18.41	45.67	18.82
	-7.0	-7.6	46.12	16.96	46.49	17.52	46.58	18.01	45.49	18.06	45.84	18.57	46.16	19.02
	-5.0	-5.6	49.71	17.07	50.12	17.71	50.06	18.25	49.06	18.23	49.44	18.79	49.80	19.35
	-3.0	-3.7	50.37	17.40	50.78	17.96	50.71	18.43	49.70	18.46	49.92	19.01	50.45	19.45
	0.0	-0.7	51.34	17.60	51.77	18.21	51.70	18.59	50.67	18.59	51.06	19.13	51.44	19.58
	3.0	2.2	56.06	18.65	56.71	19.38	56.66	19.59	55.37	19.56	55.80	20.08	52.76	19.36
	5.0	4.1	70.57	20.94	67.10	20.91	62.44	20.61	58.76	19.85	56.94	19.72	52.76	18.79
	7.0	6.0	71.07	20.77	67.10	20.03	62.44	19.60	58.76	18.87	56.94	18.87	52.76	18.32
	9.0	7.9	71.07	19.87	67.10	19.19	62.44	19.02	58.76	18.26	56.94	18.38	52.76	17.73
	11.0	9.8	71.07	19.23	67.10	18.78	62.44	18.36	58.76	17.69	56.94	17.70	52.76	17.12
	13.0	11.8	71.07	18.77	67.10	18.26	62.44	17.85	58.76	17.42	56.94	17.36	52.76	16.74
15.0	13.7	71.07	18.36	67.10	17.74	62.44	17.33	58.76	16.76	56.94	16.75	52.76	16.14	
18.0	16.6	71.84	17.23	67.62	16.62	62.76	16.20	58.92	15.66	56.97	15.59	52.76	15.04	
21.0	19.5	72.26	16.06	67.80	15.43	62.76	15.03	58.92	14.49	56.97	14.44	52.76	13.88	
24.0	22.4	72.32	14.82	67.80	14.23	62.76	13.81	58.92	13.37	56.97	13.33	52.76	12.81	
27.0	25.3	72.32	13.57	67.80	13.04	62.76	12.67	58.92	12.27	56.97	12.22	52.76	11.76	
30.0	28.1	72.32	12.43	67.80	11.92	62.76	11.59	58.92	11.21	56.97	11.18	52.76	10.75	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table 2-8.18: 16HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
110%	-30.0	-30.5	39.84	15.53	39.24	15.75	38.75	15.96	39.18	15.86	39.33	16.34	38.61	16.46
	-25.0	-25.4	40.65	15.52	40.04	15.72	39.54	15.95	39.98	15.90	40.14	16.34	39.40	16.46
	-19.8	-20.0	42.41	15.75	41.80	15.97	41.32	16.16	41.73	16.07	41.88	16.52	41.12	16.66
	-18.8	-19.0	42.74	15.99	42.13	16.21	41.64	16.43	42.05	16.14	42.20	16.70	41.44	16.71
	-16.7	-17.0	43.41	16.22	42.79	16.40	42.29	16.62	42.71	16.41	43.03	16.92	42.09	16.91
	-13.7	-15.0	44.06	16.35	43.44	16.53	42.94	16.78	43.35	16.52	43.69	17.01	42.73	17.10
	-11.8	-13.0	44.73	16.59	44.09	16.81	43.75	17.02	44.01	16.69	44.35	17.18	43.38	17.27
	-9.8	-11.0	45.38	16.64	44.74	16.80	44.40	17.00	44.66	17.01	45.01	17.39	44.03	17.53
	-9.5	-10.0	45.72	16.78	45.24	17.01	44.72	17.22	44.99	17.04	45.34	17.57	44.35	17.66
	-8.5	-9.1	46.05	17.01	45.40	17.19	45.05	17.38	45.32	17.24	45.67	17.80	44.68	17.88
	-7.0	-7.6	46.54	17.15	45.88	17.37	45.53	17.54	45.81	17.49	46.16	17.97	45.17	17.93
	-5.0	-5.6	50.17	17.43	49.49	17.56	48.94	17.78	49.42	17.62	49.80	18.09	47.43	17.77
	-3.0	-3.7	50.83	17.50	50.13	17.73	49.58	17.91	50.07	17.81	50.45	18.35	47.43	17.45
	0.0	-0.7	51.82	17.92	51.11	18.11	50.72	18.32	51.04	17.97	51.44	18.47	47.43	17.16
	3.0	2.2	56.60	18.76	56.01	18.92	55.42	19.14	54.49	18.65	52.76	18.63	47.43	17.06
	5.0	4.1	66.01	20.50	60.92	20.20	56.23	18.69	54.49	18.36	52.76	18.18	47.43	16.95
	7.0	6.0	66.01	19.69	60.92	19.01	56.23	17.71	54.49	17.44	52.76	17.30	47.43	16.56
	9.0	7.9	66.01	18.79	60.92	17.97	56.23	17.09	54.49	17.00	52.76	16.91	47.43	16.29
	11.0	9.8	66.01	18.13	60.92	17.34	56.23	16.62	54.49	16.36	52.76	16.38	47.43	15.71
	13.0	11.8	66.01	17.61	60.92	16.82	56.23	16.10	54.49	15.92	52.76	15.81	47.43	15.16
15.0	13.7	66.01	17.10	60.92	16.21	56.23	15.57	54.49	15.35	52.76	15.28	47.43	14.64	
18.0	16.6	66.73	16.11	61.38	15.19	56.51	14.53	54.63	14.35	52.78	14.22	47.43	13.61	
21.0	19.5	67.12	15.00	61.55	14.15	56.51	13.47	54.63	13.26	52.78	13.18	47.43	12.61	
24.0	22.4	67.18	13.81	61.55	13.01	56.51	12.42	54.63	12.22	52.78	12.13	47.43	11.64	
27.0	25.3	67.18	12.66	61.55	11.95	56.51	11.38	54.63	11.22	52.78	11.13	47.43	10.68	
30.0	28.1	67.18	11.56	61.55	10.90	56.51	10.38	54.63	10.23	52.78	10.18	47.43	9.73	
100%	-30.0	-30.5	38.88	18.92	38.77	19.14	38.04	19.16	38.65	19.45	38.31	19.45	38.45	19.82
	-25.0	-25.4	39.67	18.95	39.56	19.10	38.82	19.16	39.44	19.47	39.09	19.43	39.24	19.84
	-19.8	-20.0	41.52	18.90	41.40	19.13	40.63	19.28	41.28	19.53	40.91	19.47	41.08	19.66
	-18.8	-19.0	42.17	18.96	42.05	19.18	41.27	19.34	41.93	19.51	41.56	19.49	41.72	19.50
	-16.7	-17.0	42.81	19.01	42.69	19.22	42.06	19.34	42.57	19.59	42.19	19.50	42.37	19.40
	-13.7	-15.0	43.46	19.03	43.34	19.25	42.70	19.41	43.22	19.59	42.84	19.57	43.01	19.19
	-11.8	-13.0	44.09	19.10	43.98	19.27	43.33	19.43	43.86	19.66	43.47	19.55	43.01	18.96
	-9.8	-11.0	44.42	19.12	44.46	19.30	43.65	19.46	44.34	19.64	43.79	19.58	43.01	18.97
	-9.5	-10.0	44.74	19.08	44.62	19.28	43.97	19.51	44.51	19.63	44.11	19.57	43.01	18.81
	-8.5	-9.1	45.22	19.15	45.26	19.33	44.44	19.57	44.99	19.67	44.60	19.61	43.01	18.54
	-7.0	-7.6	48.77	19.19	48.65	19.36	47.94	19.96	48.54	20.43	46.51	19.27	43.01	18.46
	-5.0	-5.6	49.41	19.16	49.29	19.35	48.57	19.50	48.86	19.84	46.51	18.69	43.01	17.91
	-3.0	-3.7	50.37	19.22	50.26	19.38	49.52	18.82	48.86	18.69	46.51	18.04	43.01	17.33
	0.0	-0.7	51.66	19.20	54.61	19.37	50.00	18.34	48.86	17.83	46.51	17.19	43.01	16.58
	3.0	2.2	55.04	18.84	54.61	18.90	50.00	17.80	48.86	16.95	46.51	16.18	43.01	15.78
	5.0	4.1	58.42	18.54	54.61	17.96	50.00	16.96	48.86	16.18	46.51	15.51	43.01	15.09
	7.0	6.0	58.42	18.32	54.61	17.03	50.00	15.87	48.86	15.33	46.51	14.85	43.01	14.42
	9.0	7.9	58.42	17.26	54.61	16.14	50.00	15.41	48.86	14.95	46.51	14.41	43.01	13.96
	11.0	9.8	58.42	16.17	54.61	15.15	50.00	14.93	48.86	14.36	46.51	13.91	43.01	13.34
	13.0	11.8	58.42	15.16	54.61	14.76	50.00	14.33	48.86	13.82	46.51	13.42	43.01	12.89
15.0	13.7	58.42	14.41	54.61	14.16	50.00	13.80	48.86	13.34	46.51	12.92	43.01	12.40	
18.0	16.6	58.42	13.42	54.61	13.15	50.00	12.85	48.86	12.40	46.51	12.03	43.01	11.51	
21.0	19.5	58.42	12.39	54.61	12.19	50.00	11.91	48.86	11.52	46.51	11.16	43.01	10.66	
24.0	22.4	58.42	11.45	54.61	11.22	50.00	10.96	48.86	10.60	46.51	10.29	43.01	9.83	
27.0	25.3	58.42	10.49	54.61	10.32	50.00	10.07	48.86	9.72	46.51	9.41	43.01	9.03	
30.0	28.1	58.42	9.59	54.61	9.43	50.00	9.18	48.86	8.87	46.51	8.59	43.01	8.24	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.18: 16HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	39.15	19.16	39.31	19.54	38.40	19.41	38.48	19.66	39.08	20.04	38.01	18.44
	-25.0	-25.4	39.95	19.20	40.12	19.55	39.19	19.39	39.26	19.66	39.87	20.04	38.78	18.47
	-19.8	-20.0	41.65	19.48	41.88	19.90	40.88	19.67	41.00	19.91	41.64	20.30	38.78	18.05
	-18.8	-19.0	41.96	19.51	42.20	19.89	41.20	19.73	41.32	19.93	41.97	20.26	38.78	17.92
	-16.7	-17.0	42.62	19.59	42.87	19.97	42.01	19.72	41.97	19.95	42.62	19.80	38.78	17.55
	-13.7	-15.0	43.27	19.61	43.52	20.02	42.65	19.78	42.62	19.96	43.12	19.41	38.78	17.14
	-11.8	-13.0	43.93	19.60	44.19	19.98	43.30	19.79	43.26	19.68	43.12	19.00	38.78	16.82
	-9.8	-11.0	44.58	19.65	45.01	20.07	43.94	19.81	44.07	19.30	43.12	18.70	38.78	16.54
	-9.5	-10.0	44.91	19.65	45.34	20.07	44.27	19.85	44.23	19.13	43.12	18.51	38.78	16.35
	-8.5	-9.1	45.24	19.69	45.51	20.05	44.59	19.83	44.23	18.93	43.12	18.30	38.78	16.22
	-7.0	-7.6	45.72	19.76	46.16	19.82	45.08	19.51	44.23	18.68	43.12	18.05	38.78	16.02
	-5.0	-5.6	49.32	19.75	49.63	18.97	45.89	18.71	44.23	18.05	43.12	17.47	38.78	15.55
	-3.0	-3.7	49.97	19.82	50.28	18.10	45.89	17.77	44.23	17.40	43.12	16.94	38.78	15.11
	0.0	-0.7	50.95	19.83	50.28	17.22	45.89	17.03	44.23	16.57	43.12	16.09	38.78	14.75
	3.0	2.2	53.39	19.84	50.28	16.31	45.89	16.05	44.23	15.95	43.12	15.40	38.78	14.25
	5.0	4.1	53.39	19.35	50.28	15.49	45.89	15.36	44.23	15.13	43.12	14.64	38.78	13.69
	7.0	6.0	53.39	16.82	50.28	15.20	45.89	14.37	44.23	13.81	43.12	13.52	38.78	12.18
	9.0	7.9	53.39	15.81	50.28	14.94	45.89	13.60	44.23	13.18	43.12	12.87	38.78	11.69
	11.0	9.8	53.39	14.87	50.28	14.13	45.89	12.98	44.23	12.55	43.12	12.37	38.78	11.29
	13.0	11.8	53.39	14.08	50.28	13.40	45.89	12.39	44.23	12.05	43.12	11.89	38.78	10.90
15.0	13.7	53.39	13.46	50.28	12.91	45.89	11.98	44.23	11.69	43.12	11.54	38.78	10.67	
18.0	16.6	53.39	12.53	50.28	12.02	45.89	11.16	44.23	10.86	43.12	10.73	38.78	9.93	
21.0	19.5	53.39	11.59	50.28	11.13	45.89	10.32	44.23	10.09	43.12	9.96	38.78	9.20	
24.0	22.4	53.39	10.71	50.28	10.25	45.89	9.52	44.23	9.29	43.12	9.15	38.78	8.46	
27.0	25.3	53.39	9.79	50.28	9.42	45.89	8.72	44.23	8.52	43.12	8.41	38.78	7.76	
30.0	28.1	53.39	8.95	50.28	8.58	45.89	7.98	44.23	7.77	43.12	7.69	38.78	7.08	
80%	-30.0	-30.5	39.02	20.28	39.39	20.86	39.46	20.19	39.14	19.22	37.00	18.07	34.12	16.51
	-25.0	-25.4	39.82	20.34	40.19	20.86	40.26	20.15	39.94	19.24	37.75	18.11	34.82	16.51
	-19.8	-20.0	41.40	19.54	41.80	20.01	41.51	19.32	39.94	18.46	37.75	17.25	34.82	15.70
	-18.8	-19.0	41.72	19.57	42.13	20.05	41.51	19.11	39.94	18.29	37.75	17.10	34.82	15.54
	-16.7	-17.0	42.38	19.57	42.78	20.05	41.51	18.73	39.94	17.92	37.75	16.74	34.82	15.21
	-13.7	-15.0	43.02	19.64	43.45	20.08	41.51	18.37	39.94	17.56	37.75	16.39	34.82	14.97
	-11.8	-13.0	43.68	19.64	44.11	19.74	41.51	17.97	39.94	17.16	37.75	16.08	34.82	14.69
	-9.8	-11.0	44.33	19.66	44.77	19.32	41.51	17.62	39.94	16.86	37.75	15.80	34.82	14.40
	-9.5	-10.0	44.66	19.71	44.77	19.13	41.51	17.43	39.94	16.72	37.75	15.65	34.82	14.29
	-8.5	-9.1	44.98	19.71	44.77	18.97	41.51	17.31	39.94	16.58	37.75	15.48	34.82	14.13
	-7.0	-7.6	45.48	19.74	44.77	18.71	41.51	17.11	39.94	16.34	37.75	15.31	34.82	13.96
	-5.0	-5.6	47.43	19.40	44.77	18.10	41.51	16.55	39.94	15.85	37.75	14.83	34.82	13.56
	-3.0	-3.7	47.43	20.07	44.77	17.42	41.51	15.82	39.94	15.21	37.75	14.29	34.82	13.20
	0.0	-0.7	47.43	19.78	44.77	16.66	41.51	15.30	39.94	14.81	37.75	13.90	34.82	12.90
	3.0	2.2	47.43	18.26	44.77	15.68	41.51	14.41	39.94	14.28	37.75	13.34	34.82	12.38
	5.0	4.1	47.43	16.70	44.77	14.84	41.51	13.74	39.94	13.68	37.75	12.71	34.82	12.10
	7.0	6.0	47.43	14.65	44.77	13.88	41.51	12.84	39.94	12.39	37.75	11.72	34.82	10.88
	9.0	7.9	47.43	13.88	44.77	13.23	41.51	12.33	39.94	11.91	37.75	11.27	34.82	10.57
	11.0	9.8	47.43	13.20	44.77	12.63	41.51	11.82	39.94	11.50	37.75	10.88	34.82	10.28
	13.0	11.8	47.43	12.61	44.77	12.08	41.51	11.41	39.94	11.09	37.75	10.59	34.82	10.03
15.0	13.7	47.43	12.15	44.77	11.71	41.51	11.13	39.94	10.83	37.75	10.34	34.82	9.87	
18.0	16.6	47.43	11.31	44.77	10.92	41.51	10.35	39.94	10.10	37.75	9.65	34.82	9.16	
21.0	19.5	47.43	10.48	44.77	10.08	41.51	9.58	39.94	9.36	37.75	8.93	34.82	8.50	
24.0	22.4	47.43	9.64	44.77	9.30	41.51	8.83	39.94	8.60	37.75	8.22	34.82	7.83	
27.0	25.3	47.43	8.85	44.77	8.53	41.51	8.11	39.94	7.91	37.75	7.55	34.82	7.18	
30.0	28.1	47.43	8.08	44.77	7.79	41.51	7.39	39.94	7.20	37.75	6.89	34.82	6.56	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.18:16HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	40.72	20.79	37.93	19.04	35.44	18.78	33.89	18.35	32.39	18.04	29.90	17.46
	-25.0	-25.4	41.55	20.81	38.70	19.02	36.16	18.72	34.59	18.37	33.06	18.02	30.51	17.44
	-19.8	-20.0	41.55	19.83	38.70	18.03	36.16	17.71	34.59	17.34	33.06	16.98	30.51	16.41
	-18.8	-19.0	41.88	19.57	38.70	17.86	36.16	17.54	34.59	17.12	33.06	16.80	30.51	16.25
	-16.7	-17.0	41.88	19.16	38.70	17.50	36.16	17.23	34.59	16.80	33.06	16.50	30.51	15.92
	-13.7	-15.0	41.88	18.80	38.70	17.17	36.16	16.90	34.59	16.48	33.06	16.19	30.51	15.60
	-11.8	-13.0	41.88	18.46	38.70	16.80	36.16	16.59	34.59	16.21	33.06	15.87	30.51	15.29
	-9.8	-11.0	41.88	18.06	38.70	16.50	36.16	16.28	34.59	15.94	33.06	15.60	30.51	15.00
	-9.5	-10.0	41.88	17.91	38.70	16.38	36.16	15.91	34.59	15.51	33.06	15.15	30.51	14.62
	-8.5	-9.1	41.88	17.77	38.70	16.19	36.16	15.35	34.59	14.99	33.06	14.63	30.51	14.06
	-7.0	-7.6	41.88	17.53	38.70	15.97	36.16	14.68	34.59	14.29	33.06	13.98	30.51	13.40
	-5.0	-5.6	41.88	16.98	38.70	15.48	36.16	14.27	34.59	13.90	33.06	13.60	30.51	13.02
	-3.0	-3.7	41.88	16.03	38.70	15.06	36.16	13.89	34.59	13.47	33.06	13.17	30.51	12.61
	0.0	-0.7	41.88	15.21	38.70	14.40	36.16	13.31	34.59	12.91	33.06	12.60	30.51	11.98
	3.0	2.2	41.88	14.34	38.70	13.60	36.16	12.48	34.59	12.11	33.06	11.80	30.51	11.21
	5.0	4.1	41.88	13.68	38.70	12.72	36.16	11.99	34.59	11.63	33.06	11.34	30.51	10.74
	7.0	6.0	41.88	13.16	38.70	12.16	36.16	11.40	34.59	11.05	33.06	10.76	30.51	10.13
	9.0	7.9	41.88	12.57	38.70	11.73	36.16	11.00	34.59	10.65	33.06	10.35	30.51	9.71
	11.0	9.8	41.88	12.08	38.70	11.32	36.16	10.56	34.59	10.18	33.06	9.92	30.51	9.28
13.0	11.8	41.88	11.62	38.70	10.86	36.16	10.06	34.59	9.67	33.06	9.41	30.51	8.77	
15.0	13.7	41.88	11.22	38.70	10.35	36.16	9.65	34.59	9.31	33.06	9.00	30.51	8.39	
18.0	16.6	41.88	10.45	38.70	9.66	36.16	8.99	34.59	8.66	33.06	8.37	30.51	7.81	
21.0	19.5	41.88	9.65	38.70	8.93	36.16	8.32	34.59	8.01	33.06	7.76	30.51	7.22	
24.0	22.4	41.88	8.91	38.70	8.23	36.16	7.68	34.59	7.38	33.06	7.16	30.51	6.67	
27.0	25.3	41.88	8.18	38.70	7.56	36.16	7.03	34.59	6.76	33.06	6.56	30.51	6.12	
30.0	28.1	41.88	7.45	38.70	6.90	36.16	6.44	34.59	6.18	33.06	6.00	30.51	5.58	
60%	-30.0	-30.5	34.85	19.21	33.02	18.38	29.90	17.08	29.46	17.12	27.55	16.02	25.41	15.23
	-25.0	-25.4	35.56	19.15	33.70	18.37	30.51	17.10	30.07	17.12	28.11	16.01	25.93	15.26
	-19.8	-20.0	35.56	18.13	33.70	17.50	30.51	16.43	30.07	16.34	28.11	15.27	25.93	14.45
	-18.8	-19.0	35.56	17.72	33.70	16.94	30.51	15.88	30.07	15.79	28.11	14.66	25.93	13.96
	-16.7	-17.0	35.56	17.12	33.70	16.41	30.51	15.36	30.07	15.23	28.11	14.12	25.93	13.39
	-13.7	-15.0	35.56	16.55	33.70	15.87	30.51	14.90	30.07	14.66	28.11	13.58	25.93	12.81
	-11.8	-13.0	35.56	15.97	33.70	15.30	30.51	14.31	30.07	14.11	28.11	13.02	25.93	12.23
	-9.8	-11.0	35.56	15.45	33.70	14.72	30.51	13.67	30.07	13.52	28.11	12.46	25.93	11.78
	-9.5	-10.0	35.56	14.88	33.70	14.16	30.51	13.09	30.07	12.91	28.11	11.93	25.93	11.15
	-8.5	-9.1	35.56	14.28	33.70	13.66	30.51	12.55	30.07	12.35	28.11	11.36	25.93	10.51
	-7.0	-7.6	35.56	13.76	33.70	13.08	30.51	12.09	30.07	11.95	28.11	10.92	25.93	10.07
	-5.0	-5.6	35.56	13.22	33.70	12.59	30.51	11.51	30.07	11.43	28.11	10.46	25.93	9.57
	-3.0	-3.7	35.56	12.79	33.70	12.08	30.51	10.98	30.07	10.97	28.11	10.00	25.93	9.25
	0.0	-0.7	35.56	12.27	33.70	11.62	30.51	10.49	30.07	10.45	28.11	9.53	25.93	9.06
	3.0	2.2	35.56	11.70	33.70	11.05	30.51	10.10	30.07	10.04	28.11	9.04	25.93	8.75
	5.0	4.1	35.56	11.10	33.70	10.58	30.51	9.71	30.07	9.60	28.11	8.82	25.93	8.54
	7.0	6.0	35.56	10.59	33.70	10.10	30.51	9.29	30.07	9.18	28.11	8.77	25.93	8.39
	9.0	7.9	35.56	10.43	33.70	9.88	30.51	9.14	30.07	9.00	28.11	8.39	25.93	8.02
	11.0	9.8	35.56	10.25	33.70	9.75	30.51	8.89	30.07	8.76	28.11	8.23	25.93	7.86
	13.0	11.8	35.56	9.94	33.70	9.43	30.51	8.60	30.07	8.59	28.11	8.06	25.93	7.70
15.0	13.7	35.56	9.83	33.70	9.22	30.51	8.35	30.07	8.38	28.11	7.86	25.93	7.46	
18.0	16.6	35.56	9.12	33.70	8.58	30.51	7.76	30.07	7.79	28.11	7.30	25.93	6.95	
21.0	19.5	35.56	8.46	33.70	7.96	30.51	7.20	30.07	7.20	28.11	6.75	25.93	6.43	
24.0	22.4	35.56	7.80	33.70	7.33	30.51	6.64	30.07	6.65	28.11	6.23	25.93	5.94	
27.0	25.3	35.56	7.15	33.70	6.72	30.51	6.09	30.07	6.10	28.11	5.73	25.93	5.44	
30.0	28.1	35.56	6.53	33.70	6.13	30.51	5.55	30.07	5.56	28.11	5.22	25.93	4.97	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.18: 16HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	29.10	15.87	26.94	14.87	25.34	14.36	23.91	13.86	22.99	13.50	21.30	12.73
	-25.0	-25.4	29.69	15.87	27.49	14.90	25.85	14.37	24.40	13.83	23.45	13.53	21.74	12.75
	-19.8	-20.0	29.69	15.03	27.49	14.17	25.85	13.83	24.40	13.24	23.45	12.91	21.74	12.05
	-18.8	-19.0	29.69	14.65	27.49	13.70	25.85	13.33	24.40	12.80	23.45	12.42	21.74	11.63
	-16.7	-17.0	29.69	14.21	27.49	13.26	25.85	12.93	24.40	12.33	23.45	11.95	21.74	11.16
	-13.7	-15.0	29.69	13.71	27.49	12.88	25.85	12.53	24.40	11.87	23.45	11.49	21.74	10.72
	-11.8	-13.0	29.69	13.23	27.49	12.42	25.85	12.01	24.40	11.43	23.45	11.00	21.74	10.23
	-9.8	-11.0	29.69	12.78	27.49	11.96	25.85	11.47	24.40	10.91	23.45	10.56	21.74	9.85
	-9.5	-10.0	29.69	12.35	27.49	11.47	25.85	11.00	24.40	10.47	23.45	10.11	21.74	9.32
	-8.5	-9.1	29.69	11.79	27.49	11.06	25.85	10.51	24.40	9.99	23.45	9.65	21.74	8.79
	-7.0	-7.6	29.69	11.37	27.49	10.57	25.85	10.14	24.40	9.67	23.45	9.26	21.74	8.39
	-5.0	-5.6	29.69	10.97	27.49	10.21	25.85	9.65	24.40	9.27	23.45	8.90	21.74	8.00
	-3.0	-3.7	29.69	10.57	27.49	9.80	25.85	9.24	24.40	8.88	23.45	8.54	21.74	7.71
	0.0	-0.7	29.69	10.13	27.49	9.40	25.85	8.81	24.40	8.48	23.45	8.12	21.74	7.57
	3.0	2.2	29.69	9.67	27.49	8.94	25.85	8.47	24.40	8.12	23.45	7.71	21.74	7.52
	5.0	4.1	29.69	9.18	27.49	8.57	25.85	8.17	24.40	7.76	23.45	7.53	21.74	7.46
	7.0	6.0	29.69	8.78	27.49	8.20	25.85	7.79	24.40	7.43	23.45	7.42	21.74	7.24
	9.0	7.9	29.69	8.61	27.49	8.02	25.85	7.65	24.40	7.29	23.45	7.12	21.74	7.01
	11.0	9.8	29.69	8.48	27.49	7.90	25.85	7.46	24.40	7.10	23.45	7.00	21.74	6.88
13.0	11.8	29.69	8.24	27.49	7.62	25.85	7.23	24.40	6.94	23.45	6.82	21.74	6.74	
15.0	13.7	29.69	8.13	27.49	7.48	25.85	7.00	24.40	6.77	23.45	6.64	21.74	6.54	
18.0	16.6	29.69	7.55	27.49	6.97	25.85	6.51	24.40	6.31	23.45	6.18	21.74	6.10	
21.0	19.5	29.69	6.99	27.49	6.45	25.85	6.04	24.40	5.84	23.45	5.73	21.74	5.65	
24.0	22.4	29.69	6.46	27.49	5.93	25.85	5.56	24.40	5.37	23.45	5.28	21.74	5.19	
27.0	25.3	29.69	5.92	27.49	5.44	25.85	5.11	24.40	4.93	23.45	4.85	21.74	4.77	
30.0	28.1	29.69	5.41	27.49	4.99	25.85	4.66	24.40	4.51	23.45	4.42	21.74	4.36	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.19:18HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-30.0	-30.5	43.66	13.55	43.32	13.71	42.41	14.25	43.18	14.98	42.81	15.27	42.03	15.34
	-25.0	-25.4	44.55	13.55	44.20	13.70	43.28	14.28	44.06	14.98	43.68	15.24	42.89	15.32
	-19.8	-20.0	46.83	13.87	46.47	14.11	46.28	14.83	47.10	15.57	46.74	15.84	45.97	15.87
	-18.8	-19.0	47.19	14.12	46.82	14.32	46.65	14.96	47.65	15.71	47.10	16.00	46.33	15.97
	-16.7	-17.0	47.91	14.30	47.54	14.58	47.37	15.12	48.39	15.88	47.83	16.15	47.05	16.25
	-13.7	-15.0	48.64	14.44	48.26	14.78	48.09	15.42	49.12	16.15	48.56	16.45	47.77	16.45
	-11.8	-13.0	49.36	14.70	48.99	15.04	48.80	15.68	49.85	16.46	49.29	16.75	48.68	16.67
	-9.8	-11.0	50.08	14.92	49.71	15.29	49.52	15.88	50.59	16.61	50.20	16.92	49.40	16.71
	-9.5	-10.0	50.44	15.17	50.07	15.47	50.07	16.09	50.96	16.86	50.57	17.17	49.76	16.99
	-8.5	-9.1	50.81	15.34	50.43	15.68	50.25	16.29	51.32	17.02	50.93	17.35	50.12	17.15
	-7.0	-7.6	51.35	15.40	50.97	15.91	50.97	16.44	51.88	17.17	51.49	17.58	50.66	17.36
	-5.0	-5.6	55.33	16.06	54.93	16.35	54.76	16.98	55.93	17.83	55.32	17.71	54.44	17.58
	-3.0	-3.7	56.05	16.45	55.65	16.63	55.47	17.20	56.66	18.10	56.05	17.94	55.16	17.85
	0.0	-0.7	57.13	16.95	56.74	16.74	56.55	17.43	57.77	18.34	57.14	18.17	56.43	17.93
	3.0	2.2	63.12	17.88	62.13	17.87	61.96	18.32	63.10	19.07	62.62	19.15	61.65	19.02
	5.0	4.1	78.47	21.63	75.03	21.32	73.84	21.17	72.48	20.94	69.00	20.55	62.56	19.40
	7.0	6.0	79.73	21.83	76.47	20.75	73.84	20.20	72.48	20.04	69.00	19.75	62.56	18.75
	9.0	7.9	79.73	20.74	76.47	19.73	73.84	19.52	72.48	19.73	69.00	19.25	62.56	18.30
	11.0	9.8	79.73	19.70	76.47	18.94	73.84	18.86	72.48	19.03	69.00	18.67	62.56	17.60
	13.0	11.8	79.73	18.74	76.47	18.38	73.84	18.34	72.48	18.74	69.00	18.25	62.56	17.32
15.0	13.7	79.73	18.16	76.47	17.95	73.84	17.87	72.48	18.00	69.00	17.70	62.56	16.66	
18.0	16.6	80.60	17.11	77.06	16.81	74.21	16.69	72.67	16.79	69.04	16.52	62.56	15.50	
21.0	19.5	81.07	15.93	77.27	15.59	74.21	15.45	72.67	15.53	69.04	15.25	62.56	14.35	
24.0	22.4	81.14	14.71	77.27	14.40	74.21	14.23	72.67	14.29	69.04	14.10	62.56	13.22	
27.0	25.3	81.14	13.48	77.27	13.22	74.21	13.05	72.67	13.13	69.04	12.92	62.56	12.14	
30.0	28.1	81.14	12.31	77.27	12.05	74.21	11.92	72.67	12.00	69.04	11.81	62.56	11.07	
120%	-30.0	-30.5	44.04	15.03	42.89	15.24	43.81	16.09	43.71	16.55	42.52	16.51	42.80	16.91
	-25.0	-25.4	44.93	15.01	43.76	15.21	44.71	16.09	44.60	16.53	43.39	16.51	43.68	16.89
	-19.8	-20.0	47.64	15.41	46.42	15.57	47.27	16.41	47.32	16.80	46.05	16.81	46.32	17.23
	-18.8	-19.0	48.01	15.65	46.77	15.59	47.64	16.71	47.69	17.10	46.42	17.06	46.68	17.46
	-16.7	-17.0	48.75	15.89	47.50	15.85	48.38	16.89	48.43	17.30	47.14	17.31	47.60	17.54
	-13.7	-15.0	49.48	16.07	48.22	16.18	49.12	17.01	49.17	17.43	48.04	17.41	48.33	17.72
	-11.8	-13.0	50.23	16.33	48.94	16.31	49.94	17.24	49.90	17.59	48.76	17.62	49.05	17.86
	-9.8	-11.0	50.97	16.41	49.67	16.46	50.78	17.40	50.64	17.79	49.48	17.76	49.78	18.21
	-9.5	-10.0	51.33	16.57	50.02	16.60	51.15	17.54	51.02	17.96	49.85	17.89	50.15	18.44
	-8.5	-9.1	51.71	16.75	50.39	16.81	51.52	17.72	51.38	18.16	50.20	18.12	50.51	18.50
	-7.0	-7.6	52.26	17.04	50.93	17.07	52.07	17.89	51.94	18.30	50.75	18.27	51.06	18.71
	-5.0	-5.6	56.32	17.23	54.90	17.23	55.95	18.12	56.01	18.55	54.73	18.48	55.07	18.99
	-3.0	-3.7	57.06	17.51	55.63	17.53	56.69	18.31	56.75	18.78	55.26	18.69	55.80	19.09
	0.0	-0.7	58.17	17.73	56.71	17.73	57.79	18.51	57.85	18.92	56.52	18.84	56.90	19.26
	3.0	2.2	63.53	18.79	62.13	18.89	63.34	19.44	63.21	19.83	61.77	19.75	58.36	19.03
	5.0	4.1	79.96	21.07	73.51	20.38	69.80	20.48	67.09	20.15	63.02	19.41	58.36	18.47
	7.0	6.0	80.51	20.91	73.51	19.54	69.80	19.50	67.09	19.14	63.02	18.57	58.36	18.00
	9.0	7.9	80.51	20.04	73.51	18.67	69.80	18.86	67.09	18.49	63.02	18.07	58.36	17.48
	11.0	9.8	80.51	19.36	73.51	18.25	69.80	18.23	67.09	17.95	63.02	17.40	58.36	16.83
	13.0	11.8	80.51	18.88	73.51	17.83	69.80	17.75	67.09	17.72	63.02	17.08	58.36	16.46
15.0	13.7	80.51	18.46	73.51	17.29	69.80	17.23	67.09	17.02	63.02	16.50	58.36	15.90	
18.0	16.6	81.38	17.35	74.07	16.22	70.15	16.10	67.27	15.88	63.06	15.37	58.36	14.76	
21.0	19.5	81.86	16.17	74.27	15.06	70.15	14.91	67.27	14.74	63.06	14.22	58.36	13.69	
24.0	22.4	81.93	14.90	74.27	13.87	70.15	13.77	67.27	13.57	63.06	13.13	58.36	12.60	
27.0	25.3	81.93	13.71	74.27	12.72	70.15	12.62	67.27	12.47	63.06	12.02	58.36	11.57	
30.0	28.1	81.93	12.51	74.27	11.62	70.15	11.50	67.27	11.37	63.06	10.97	58.36	10.55	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.19: 18HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	43.77	15.16	43.40	15.49	43.23	15.81	43.80	15.80	43.13	15.92	43.66	16.54
	-25.0	-25.4	44.66	15.20	44.28	15.46	44.11	15.83	44.69	15.80	44.01	15.90	44.55	16.52
	-19.8	-20.0	46.60	15.41	46.23	15.67	46.09	16.05	46.63	15.98	45.92	16.13	46.50	16.74
	-18.8	-19.0	46.95	15.62	46.60	15.90	46.46	16.31	47.00	16.00	46.28	16.29	46.86	16.79
	-16.7	-17.0	47.69	15.88	47.32	16.15	47.18	16.52	47.73	16.32	47.18	16.50	47.60	16.98
	-13.7	-15.0	48.41	15.97	48.04	16.26	47.90	16.66	48.47	16.42	47.90	16.55	48.33	17.18
	-11.8	-13.0	49.14	16.26	48.76	16.55	48.81	16.91	49.20	16.63	48.63	16.76	49.06	17.35
	-9.8	-11.0	49.86	16.23	49.48	16.51	49.53	16.91	49.93	16.90	49.35	16.94	49.80	17.58
	-9.5	-10.0	50.22	16.39	50.02	16.71	49.90	17.06	50.30	16.97	49.71	17.14	50.16	17.76
	-8.5	-9.1	50.58	16.59	50.20	16.87	50.25	17.26	50.66	17.14	50.07	17.34	50.53	17.97
	-7.0	-7.6	51.12	16.74	50.75	17.06	50.80	17.39	51.21	17.38	50.62	17.49	51.08	18.00
	-5.0	-5.6	55.11	16.98	54.73	17.30	54.60	17.65	55.23	17.52	54.60	17.65	53.64	17.84
	-3.0	-3.7	55.85	17.13	55.45	17.41	55.32	17.80	55.97	17.67	55.32	17.86	53.64	17.52
	0.0	-0.7	56.93	17.50	56.52	17.80	56.58	18.21	57.07	17.83	56.41	18.02	53.64	17.31
	3.0	2.2	62.19	18.31	61.95	18.60	61.83	18.99	60.90	18.56	57.85	18.16	53.64	17.13
	5.0	4.1	72.52	19.95	67.36	19.87	62.73	18.52	60.90	18.23	57.85	17.68	53.64	17.08
	7.0	6.0	72.52	19.21	67.36	18.72	62.73	17.60	60.90	17.30	57.85	16.88	53.64	16.61
	9.0	7.9	72.52	18.35	67.36	17.72	62.73	16.96	60.90	16.90	57.85	16.52	53.64	16.36
	11.0	9.8	72.52	17.72	67.36	17.07	62.73	16.50	60.90	16.25	57.85	15.98	53.64	15.81
13.0	11.8	72.52	17.16	67.36	16.50	62.73	15.98	60.90	15.79	57.85	15.41	53.64	15.28	
15.0	13.7	72.52	16.70	67.36	15.98	62.73	15.43	60.90	15.27	57.85	14.91	53.64	14.71	
18.0	16.6	73.31	15.70	67.88	14.97	63.04	14.40	61.06	14.23	57.88	13.89	53.64	13.72	
21.0	19.5	73.74	14.62	68.06	13.91	63.04	13.33	61.06	13.19	57.88	12.86	53.64	12.67	
24.0	22.4	73.80	13.48	68.06	12.81	63.04	12.32	61.06	12.14	57.88	11.84	53.64	11.68	
27.0	25.3	73.80	12.39	68.06	11.74	63.04	11.27	61.06	11.14	57.88	10.84	53.64	10.74	
30.0	28.1	73.80	11.30	68.06	10.74	63.04	10.32	61.06	10.17	57.88	9.93	53.64	9.81	
100%	-30.0	-30.5	43.51	18.82	43.50	19.08	42.61	19.06	43.33	19.40	43.24	19.48	43.11	19.79
	-25.0	-25.4	44.40	18.84	44.39	19.08	43.48	19.10	44.21	19.40	44.13	19.46	43.99	19.74
	-19.8	-20.0	46.46	18.80	46.46	19.14	45.51	19.20	46.28	19.46	46.19	19.52	46.05	19.63
	-18.8	-19.0	47.18	18.91	47.18	19.13	46.22	19.22	47.00	19.43	46.91	19.53	46.77	19.44
	-16.7	-17.0	47.90	18.89	47.90	19.21	47.11	19.27	47.72	19.51	47.63	19.61	47.50	19.35
	-13.7	-15.0	48.62	18.92	48.63	19.23	47.82	19.33	48.44	19.51	48.35	19.63	48.22	19.11
	-11.8	-13.0	49.34	18.96	49.35	19.26	48.53	19.34	49.18	19.60	49.08	19.62	48.22	18.93
	-9.8	-11.0	49.70	18.98	49.90	19.30	48.89	19.36	49.71	19.58	49.43	19.63	48.22	18.88
	-9.5	-10.0	50.06	19.01	50.07	19.24	49.24	19.43	49.90	19.60	49.80	19.68	48.22	18.72
	-8.5	-9.1	50.60	19.07	50.80	19.26	49.78	19.49	50.44	19.65	50.34	19.67	48.22	18.46
	-7.0	-7.6	54.56	19.07	54.60	19.29	53.69	19.88	54.41	20.35	52.50	19.30	48.22	18.38
	-5.0	-5.6	55.28	19.10	55.32	19.34	54.40	19.40	54.78	19.77	52.50	18.75	48.22	17.90
	-3.0	-3.7	56.36	19.10	56.41	19.35	55.47	18.76	54.78	18.65	52.50	18.11	48.22	17.31
	0.0	-0.7	57.81	19.14	61.29	19.31	56.00	18.24	54.78	17.74	52.50	17.25	48.22	16.51
	3.0	2.2	61.58	18.74	61.29	18.87	56.00	17.73	54.78	16.90	52.50	16.21	48.22	15.73
	5.0	4.1	65.36	18.48	61.29	17.95	56.00	16.86	54.78	16.12	52.50	15.57	48.22	15.00
	7.0	6.0	65.36	18.23	61.29	16.99	56.00	15.82	54.78	15.29	52.50	14.90	48.22	14.35
	9.0	7.9	65.36	17.15	61.29	16.09	56.00	15.38	54.78	14.94	52.50	14.49	48.22	13.92
	11.0	9.8	65.36	16.06	61.29	15.12	56.00	14.84	54.78	14.30	52.50	13.96	48.22	13.34
	13.0	11.8	65.36	15.07	61.29	14.77	56.00	14.27	54.78	13.78	52.50	13.44	48.22	12.84
15.0	13.7	65.36	14.35	61.29	14.10	56.00	13.77	54.78	13.30	52.50	12.98	48.22	12.34	
18.0	16.6	65.36	13.31	61.29	13.13	56.00	12.79	54.78	12.36	52.50	12.07	48.22	11.51	
21.0	19.5	65.36	12.32	61.29	12.15	56.00	11.85	54.78	11.46	52.50	11.20	48.22	10.66	
24.0	22.4	65.36	11.38	61.29	11.19	56.00	10.91	54.78	10.56	52.50	10.29	48.22	9.81	
27.0	25.3	65.36	10.44	61.29	10.29	56.00	10.01	54.78	9.71	52.50	9.45	48.22	9.00	
30.0	28.1	65.36	9.53	61.29	9.41	56.00	9.14	54.78	8.84	52.50	8.65	48.22	8.22	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.19:18HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	44.18	19.23	43.99	19.49	43.42	19.46	43.01	19.53	43.85	20.05	42.56	18.40
	-25.0	-25.4	45.09	19.25	44.89	19.49	44.31	19.52	43.89	19.53	44.75	20.03	43.43	18.36
	-19.8	-20.0	46.99	19.57	46.86	19.77	46.23	19.84	45.83	19.76	46.72	20.28	43.43	18.01
	-18.8	-19.0	47.37	19.60	47.23	19.83	46.59	19.83	46.18	19.74	47.08	20.19	43.43	17.83
	-16.7	-17.0	48.10	19.62	47.96	19.81	47.50	19.85	46.91	19.82	47.82	19.77	43.43	17.44
	-13.7	-15.0	48.84	19.64	48.70	19.90	48.23	19.88	47.64	19.83	48.38	19.36	43.43	17.13
	-11.8	-13.0	49.58	19.68	49.44	19.88	48.96	19.90	48.36	19.59	48.38	18.99	43.43	16.80
	-9.8	-11.0	50.31	19.73	50.36	19.97	49.70	19.98	49.27	19.20	48.38	18.63	43.43	16.48
	-9.5	-10.0	50.68	19.75	50.73	19.99	50.06	19.98	49.44	19.02	48.38	18.43	43.43	16.32
	-8.5	-9.1	51.05	19.80	50.92	19.99	50.43	19.92	49.44	18.80	48.38	18.25	43.43	16.16
	-7.0	-7.6	51.61	19.77	51.66	19.72	50.98	19.62	49.44	18.54	48.38	18.05	43.43	15.93
	-5.0	-5.6	55.66	19.86	55.53	18.86	51.89	18.83	49.44	17.97	48.38	17.45	43.43	15.44
	-3.0	-3.7	56.40	19.83	56.26	18.03	51.89	17.92	49.44	17.29	48.38	16.89	43.43	15.09
	0.0	-0.7	57.51	19.86	56.26	17.13	51.89	17.12	49.44	16.43	48.38	16.06	43.43	14.70
	3.0	2.2	60.26	19.94	56.26	16.23	51.89	16.18	49.44	15.81	48.38	15.36	43.43	14.19
	5.0	4.1	60.26	19.41	56.26	15.41	51.89	15.42	49.44	15.00	48.38	14.64	43.43	13.61
	7.0	6.0	60.26	16.86	56.26	15.15	51.89	14.45	49.44	13.77	48.38	13.50	43.43	12.12
	9.0	7.9	60.26	15.83	56.26	14.88	51.89	13.73	49.44	13.09	48.38	12.87	43.43	11.67
	11.0	9.8	60.26	14.94	56.26	14.03	51.89	13.04	49.44	12.50	48.38	12.34	43.43	11.23
	13.0	11.8	60.26	14.10	56.26	13.36	51.89	12.49	49.44	12.01	48.38	11.84	43.43	10.87
15.0	13.7	60.26	13.54	56.26	12.87	51.89	12.06	49.44	11.60	48.38	11.54	43.43	10.63	
18.0	16.6	60.26	12.57	56.26	11.96	51.89	11.21	49.44	10.80	48.38	10.70	43.43	9.88	
21.0	19.5	60.26	11.65	56.26	11.08	51.89	10.37	49.44	10.00	48.38	9.92	43.43	9.16	
24.0	22.4	60.26	10.75	56.26	10.19	51.89	9.57	49.44	9.21	48.38	9.16	43.43	8.42	
27.0	25.3	60.26	9.83	56.26	9.34	51.89	8.76	49.44	8.45	48.38	8.40	43.43	7.73	
30.0	28.1	60.26	8.98	56.26	8.54	51.89	8.01	49.44	7.72	48.38	7.67	43.43	7.07	
80%	-30.0	-30.5	43.66	20.19	44.07	20.77	43.69	19.85	43.75	19.11	41.64	18.12	38.55	16.60
	-25.0	-25.4	44.55	20.23	44.97	20.77	44.58	19.87	44.64	19.09	42.49	18.12	39.34	16.62
	-19.8	-20.0	46.32	19.48	46.76	19.92	45.96	18.97	44.64	18.32	42.49	17.28	39.34	15.80
	-18.8	-19.0	46.68	19.45	47.13	19.95	45.96	18.82	44.64	18.17	42.49	17.11	39.34	15.65
	-16.7	-17.0	47.41	19.51	47.87	19.95	45.96	18.45	44.64	17.79	42.49	16.74	39.34	15.32
	-13.7	-15.0	48.14	19.55	48.62	19.97	45.96	18.06	44.64	17.46	42.49	16.41	39.34	15.03
	-11.8	-13.0	48.87	19.56	49.35	19.62	45.96	17.66	44.64	17.06	42.49	16.12	39.34	14.74
	-9.8	-11.0	49.61	19.61	50.09	19.22	45.96	17.37	44.64	16.75	42.49	15.80	39.34	14.48
	-9.5	-10.0	49.97	19.64	50.09	19.03	45.96	17.17	44.64	16.59	42.49	15.67	39.34	14.35
	-8.5	-9.1	50.34	19.63	50.09	18.89	45.96	17.01	44.64	16.43	42.49	15.48	39.34	14.19
	-7.0	-7.6	50.88	19.65	50.09	18.61	45.96	16.81	44.64	16.24	42.49	15.29	39.34	14.01
	-5.0	-5.6	53.06	19.24	50.09	17.99	45.96	16.30	44.64	15.76	42.49	14.86	39.34	13.61
	-3.0	-3.7	53.06	19.91	50.09	17.33	45.96	15.60	44.64	15.16	42.49	14.30	39.34	13.25
	0.0	-0.7	53.06	19.65	50.09	16.57	45.96	15.06	44.64	14.67	42.49	13.90	39.34	12.95
	3.0	2.2	53.06	18.18	50.09	15.63	45.96	14.20	44.64	14.17	42.49	13.39	39.34	12.43
	5.0	4.1	53.06	16.64	50.09	14.77	45.96	13.57	44.64	13.62	42.49	12.75	39.34	12.17
	7.0	6.0	53.06	14.56	50.09	13.80	45.96	12.67	44.64	12.32	42.49	11.70	39.34	10.93
	9.0	7.9	53.06	13.83	50.09	13.14	45.96	12.13	44.64	11.83	42.49	11.29	39.34	10.60
	11.0	9.8	53.06	13.13	50.09	12.54	45.96	11.65	44.64	11.40	42.49	10.93	39.34	10.35
	13.0	11.8	53.06	12.56	50.09	12.03	45.96	11.22	44.64	11.05	42.49	10.58	39.34	10.08
15.0	13.7	53.06	12.10	50.09	11.65	45.96	10.93	44.64	10.78	42.49	10.36	39.34	9.92	
18.0	16.6	53.06	11.25	50.09	10.85	45.96	10.17	44.64	10.04	42.49	9.64	39.34	9.23	
21.0	19.5	53.06	10.41	50.09	10.06	45.96	9.40	44.64	9.27	42.49	8.91	39.34	8.54	
24.0	22.4	53.06	9.59	50.09	9.26	45.96	8.69	44.64	8.55	42.49	8.23	39.34	7.86	
27.0	25.3	53.06	8.81	50.09	8.49	45.96	7.97	44.64	7.84	42.49	7.54	39.34	7.22	
30.0	28.1	53.06	8.05	50.09	7.75	45.96	7.28	44.64	7.18	42.49	6.90	39.34	6.60	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.19: 18HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-30.0	-30.5	45.04	20.46	42.52	18.95	39.15	18.43	37.63	18.15	36.81	18.22	33.87	17.57
	-25.0	-25.4	45.96	20.42	43.38	18.99	39.95	18.39	38.40	18.10	37.57	18.19	34.56	17.55
	-19.8	-20.0	45.96	19.44	43.38	18.00	39.95	17.37	38.40	17.08	37.57	17.16	34.56	16.54
	-18.8	-19.0	46.32	19.27	43.38	17.80	39.95	17.18	38.40	16.94	37.57	16.97	34.56	16.35
	-16.7	-17.0	46.32	18.90	43.38	17.41	39.95	16.90	38.40	16.62	37.57	16.64	34.56	16.06
	-13.7	-15.0	46.32	18.50	43.38	17.09	39.95	16.60	38.40	16.26	37.57	16.32	34.56	15.73
	-11.8	-13.0	46.32	18.15	43.38	16.76	39.95	16.34	38.40	15.98	37.57	16.04	34.56	15.43
	-9.8	-11.0	46.32	17.77	43.38	16.44	39.95	16.02	38.40	15.71	37.57	15.74	34.56	15.14
	-9.5	-10.0	46.32	17.60	43.38	16.29	39.95	15.63	38.40	15.31	37.57	15.31	34.56	14.72
	-8.5	-9.1	46.32	17.42	43.38	16.14	39.95	15.09	38.40	14.76	37.57	14.83	34.56	14.18
	-7.0	-7.6	46.32	17.23	43.38	15.90	39.95	14.44	38.40	14.11	37.57	14.11	34.56	13.52
	-5.0	-5.6	46.32	16.67	43.38	15.47	39.95	14.02	38.40	13.71	37.57	13.75	34.56	13.12
	-3.0	-3.7	46.32	15.79	43.38	15.00	39.95	13.64	38.40	13.33	37.57	13.31	34.56	12.66
	0.0	-0.7	46.32	14.97	43.38	14.31	39.95	13.03	38.40	12.72	37.57	12.74	34.56	12.09
	3.0	2.2	46.32	14.13	43.38	13.56	39.95	12.24	38.40	11.95	37.57	11.91	34.56	11.27
	5.0	4.1	46.32	13.48	43.38	12.67	39.95	11.79	38.40	11.50	37.57	11.43	34.56	10.81
	7.0	6.0	46.32	12.91	43.38	12.13	39.95	11.20	38.40	10.88	37.57	10.84	34.56	10.21
	9.0	7.9	46.32	12.37	43.38	11.66	39.95	10.81	38.40	10.51	37.57	10.44	34.56	9.81
	11.0	9.8	46.32	11.90	43.38	11.27	39.95	10.37	38.40	10.05	37.57	10.01	34.56	9.36
	13.0	11.8	46.32	11.43	43.38	10.83	39.95	9.90	38.40	9.56	37.57	9.48	34.56	8.86
15.0	13.7	46.32	11.05	43.38	10.35	39.95	9.48	38.40	9.17	37.57	9.09	34.56	8.43	
18.0	16.6	46.32	10.25	43.38	9.63	39.95	8.82	38.40	8.54	37.57	8.45	34.56	7.85	
21.0	19.5	46.32	9.49	43.38	8.90	39.95	8.17	38.40	7.92	37.57	7.82	34.56	7.27	
24.0	22.4	46.32	8.75	43.38	8.20	39.95	7.52	38.40	7.30	37.57	7.23	34.56	6.70	
27.0	25.3	46.32	8.05	43.38	7.53	39.95	6.92	38.40	6.68	37.57	6.62	34.56	6.16	
30.0	28.1	46.32	7.33	43.38	6.88	39.95	6.30	38.40	6.11	37.57	6.04	34.56	5.63	
60%	-30.0	-30.5	38.74	18.94	36.88	18.24	33.48	17.00	32.66	16.85	31.15	16.10	28.65	15.27
	-25.0	-25.4	39.53	18.96	37.64	18.24	34.17	17.05	33.32	16.87	31.79	16.14	29.23	15.26
	-19.8	-20.0	39.53	17.97	37.64	17.42	34.17	16.39	33.32	16.11	31.79	15.35	29.23	14.47
	-18.8	-19.0	39.53	17.45	37.64	16.81	34.17	15.83	33.32	15.57	31.79	14.77	29.23	13.98
	-16.7	-17.0	39.53	16.92	37.64	16.25	34.17	15.33	33.32	14.99	31.79	14.21	29.23	13.42
	-13.7	-15.0	39.53	16.32	37.64	15.81	34.17	14.84	33.32	14.43	31.79	13.66	29.23	12.84
	-11.8	-13.0	39.53	15.78	37.64	15.19	34.17	14.28	33.32	13.93	31.79	13.10	29.23	12.26
	-9.8	-11.0	39.53	15.25	37.64	14.65	34.17	13.58	33.32	13.28	31.79	12.50	29.23	11.85
	-9.5	-10.0	39.53	14.74	37.64	14.05	34.17	13.05	33.32	12.73	31.79	11.99	29.23	11.17
	-8.5	-9.1	39.53	14.12	37.64	13.54	34.17	12.47	33.32	12.19	31.79	11.42	29.23	10.56
	-7.0	-7.6	39.53	13.59	37.64	12.94	34.17	12.05	33.32	11.76	31.79	10.98	29.23	10.09
	-5.0	-5.6	39.53	13.07	37.64	12.48	34.17	11.44	33.32	11.27	31.79	10.54	29.23	9.61
	-3.0	-3.7	39.53	12.62	37.64	12.00	34.17	10.96	33.32	10.85	31.79	10.06	29.23	9.28
	0.0	-0.7	39.53	12.13	37.64	11.54	34.17	10.46	33.32	10.30	31.79	9.59	29.23	9.08
	3.0	2.2	39.53	11.54	37.64	10.97	34.17	10.07	33.32	9.90	31.79	9.06	29.23	8.77
	5.0	4.1	39.53	10.96	37.64	10.50	34.17	9.68	33.32	9.45	31.79	8.89	29.23	8.57
	7.0	6.0	39.53	10.46	37.64	10.04	34.17	9.23	33.32	9.07	31.79	8.82	29.23	8.40
	9.0	7.9	39.53	10.29	37.64	9.81	34.17	9.07	33.32	8.86	31.79	8.45	29.23	8.05
	11.0	9.8	39.53	10.13	37.64	9.67	34.17	8.85	33.32	8.65	31.79	8.28	29.23	7.90
	13.0	11.8	39.53	9.83	37.64	9.36	34.17	8.56	33.32	8.45	31.79	8.11	29.23	7.71
15.0	13.7	39.53	9.69	37.64	9.16	34.17	8.31	33.32	8.23	31.79	7.90	29.23	7.51	
18.0	16.6	39.53	9.04	37.64	8.51	34.17	7.75	33.32	7.66	31.79	7.35	29.23	6.97	
21.0	19.5	39.53	8.35	37.64	7.89	34.17	7.17	33.32	7.10	31.79	6.79	29.23	6.47	
24.0	22.4	39.53	7.70	37.64	7.29	34.17	6.61	33.32	6.55	31.79	6.27	29.23	5.95	
27.0	25.3	39.53	7.07	37.64	6.68	34.17	6.07	33.32	6.00	31.79	5.74	29.23	5.45	
30.0	28.1	39.53	6.45	37.64	6.09	34.17	5.54	33.32	5.48	31.79	5.25	29.23	4.98	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.19:18HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	32.63	15.81	30.09	14.79	28.32	14.28	26.77	13.77	25.67	13.41	24.02	12.75
	-25.0	-25.4	33.29	15.80	30.70	14.78	28.90	14.26	27.32	13.79	26.19	13.44	24.51	12.78
	-19.8	-20.0	33.29	15.01	30.70	14.09	28.90	13.70	27.32	13.21	26.19	12.78	24.51	12.08
	-18.8	-19.0	33.29	14.62	30.70	13.61	28.90	13.25	27.32	12.77	26.19	12.29	24.51	11.69
	-16.7	-17.0	33.29	14.17	30.70	13.18	28.90	12.83	27.32	12.28	26.19	11.85	24.51	11.19
	-13.7	-15.0	33.29	13.67	30.70	12.79	28.90	12.41	27.32	11.78	26.19	11.42	24.51	10.74
	-11.8	-13.0	33.29	13.18	30.70	12.32	28.90	11.97	27.32	11.41	26.19	10.94	24.51	10.28
	-9.8	-11.0	33.29	12.77	30.70	11.87	28.90	11.36	27.32	10.89	26.19	10.49	24.51	9.87
	-9.5	-10.0	33.29	12.28	30.70	11.39	28.90	10.90	27.32	10.41	26.19	10.01	24.51	9.35
	-8.5	-9.1	33.29	11.79	30.70	10.96	28.90	10.46	27.32	9.96	26.19	9.56	24.51	8.82
	-7.0	-7.6	33.29	11.35	30.70	10.49	28.90	10.09	27.32	9.63	26.19	9.21	24.51	8.43
	-5.0	-5.6	33.29	10.92	30.70	10.12	28.90	9.59	27.32	9.23	26.19	8.85	24.51	8.01
	-3.0	-3.7	33.29	10.52	30.70	9.72	28.90	9.16	27.32	8.86	26.19	8.46	24.51	7.74
	0.0	-0.7	33.29	10.13	30.70	9.33	28.90	8.74	27.32	8.43	26.19	8.06	24.51	7.58
	3.0	2.2	33.29	9.65	30.70	8.89	28.90	8.43	27.32	8.09	26.19	7.66	24.51	7.56
	5.0	4.1	33.29	9.14	30.70	8.50	28.90	8.12	27.32	7.71	26.19	7.49	24.51	7.47
	7.0	6.0	33.29	8.74	30.70	8.14	28.90	7.73	27.32	7.40	26.19	7.37	24.51	7.25
	9.0	7.9	33.29	8.59	30.70	7.96	28.90	7.59	27.32	7.25	26.19	7.08	24.51	7.03
	11.0	9.8	33.29	8.46	30.70	7.84	28.90	7.42	27.32	7.07	26.19	6.95	24.51	6.89
13.0	11.8	33.29	8.21	30.70	7.57	28.90	7.19	27.32	6.90	26.19	6.79	24.51	6.75	
15.0	13.7	33.29	8.11	30.70	7.43	28.90	6.98	27.32	6.74	26.19	6.60	24.51	6.57	
18.0	16.6	33.29	7.54	30.70	6.91	28.90	6.48	27.32	6.28	26.19	6.14	24.51	6.10	
21.0	19.5	33.29	6.99	30.70	6.40	28.90	5.99	27.32	5.80	26.19	5.67	24.51	5.66	
24.0	22.4	33.29	6.42	30.70	5.91	28.90	5.54	27.32	5.35	26.19	5.25	24.51	5.22	
27.0	25.3	33.29	5.90	30.70	5.40	28.90	5.07	27.32	4.90	26.19	4.80	24.51	4.79	
30.0	28.1	33.29	5.39	30.70	4.95	28.90	4.63	27.32	4.49	26.19	4.40	24.51	4.37	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table 2-8.20: 20HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-30.0	-30.5	49.36	15.53	49.44	15.92	47.95	16.39	48.87	17.20	47.75	17.34	47.47	17.61
	-25.0	-25.4	50.36	15.56	50.45	15.93	48.93	16.41	49.87	17.20	48.73	17.28	48.44	17.59
	-19.8	-20.0	52.95	15.98	53.05	16.38	52.33	17.05	53.30	17.91	52.13	17.98	51.92	18.22
	-18.8	-19.0	53.36	16.24	53.46	16.64	52.74	17.18	53.93	18.05	52.54	18.11	52.33	18.30
	-16.7	-17.0	54.17	16.45	54.28	16.92	53.56	17.41	54.76	18.24	53.35	18.34	53.15	18.63
	-13.7	-15.0	54.99	16.59	55.10	17.19	54.36	17.71	55.59	18.59	54.16	18.66	53.96	18.86
	-11.8	-13.0	55.81	16.93	55.93	17.41	55.18	18.06	56.42	18.91	54.98	18.94	54.98	19.16
	-9.8	-11.0	56.63	17.19	56.75	17.77	56.00	18.20	57.26	19.13	56.00	19.14	55.79	19.16
	-9.5	-10.0	57.04	17.44	57.16	17.90	56.61	18.53	57.67	19.39	56.41	19.44	56.20	19.47
	-8.5	-9.1	57.45	17.64	57.58	18.16	56.82	18.69	58.09	19.63	56.82	19.62	56.61	19.71
	-7.0	-7.6	58.05	17.69	58.18	18.47	57.62	18.88	58.71	19.79	57.42	19.88	57.22	19.96
	-5.0	-5.6	62.55	18.48	62.71	18.93	61.90	19.46	63.29	20.51	61.70	20.04	61.49	20.23
	-3.0	-3.7	63.37	18.91	63.53	19.29	62.72	19.80	64.12	20.81	62.51	20.27	62.31	20.49
	0.0	-0.7	64.60	19.44	64.77	19.48	63.94	20.04	65.38	21.06	63.74	20.58	63.74	20.59
	3.0	2.2	71.37	20.57	70.94	20.72	70.05	21.10	71.41	21.98	69.84	21.66	69.64	21.90
	5.0	4.1	88.72	24.81	85.66	24.71	83.48	24.39	82.03	24.15	76.97	23.30	70.66	22.27
	7.0	6.0	90.15	25.01	87.31	24.07	83.48	23.15	82.03	23.05	76.97	22.35	70.66	21.51
	9.0	7.9	90.15	23.81	87.31	22.87	83.48	22.45	82.03	22.63	76.97	21.79	70.66	21.01
	11.0	9.8	90.15	22.68	87.31	21.98	83.48	21.72	82.03	21.90	76.97	21.14	70.66	20.23
	13.0	11.8	90.15	21.60	87.31	21.33	83.48	21.05	82.03	21.49	76.97	20.71	70.66	19.90
15.0	13.7	90.15	20.88	87.31	20.83	83.48	20.49	82.03	20.69	76.97	20.08	70.66	19.11	
18.0	16.6	91.13	19.64	87.98	19.51	83.90	19.16	82.24	19.31	77.01	18.67	70.66	17.81	
21.0	19.5	91.67	18.31	88.21	18.15	83.90	17.75	82.24	17.88	77.01	17.30	70.66	16.49	
24.0	22.4	91.74	16.89	88.21	16.69	83.90	16.33	82.24	16.43	77.01	15.93	70.66	15.17	
27.0	25.3	91.74	15.48	88.21	15.32	83.90	15.03	82.24	15.09	77.01	14.64	70.66	13.93	
30.0	28.1	91.74	14.14	88.21	14.00	83.90	13.71	82.24	13.77	77.01	13.35	70.66	12.75	
120%	-30.0	-30.5	49.74	17.27	49.54	17.88	48.92	18.28	49.43	19.01	48.26	19.09	48.02	19.31
	-25.0	-25.4	50.76	17.27	50.55	17.85	49.92	18.30	50.44	18.95	49.25	19.09	49.00	19.28
	-19.8	-20.0	53.81	17.72	53.60	18.31	52.78	18.60	53.50	19.35	52.27	19.39	51.96	19.67
	-18.8	-19.0	54.23	17.97	54.02	18.33	53.19	18.94	53.92	19.63	52.68	19.71	52.37	19.92
	-16.7	-17.0	55.06	18.26	54.86	18.63	54.02	19.18	54.75	19.91	53.50	19.92	53.40	19.98
	-13.7	-15.0	55.90	18.45	55.69	19.00	54.84	19.29	55.59	19.98	54.53	20.07	54.22	20.21
	-11.8	-13.0	56.73	18.71	56.52	19.14	55.76	19.56	56.42	20.28	55.35	20.29	55.03	20.37
	-9.8	-11.0	57.57	18.81	57.36	19.31	56.70	19.76	57.26	20.46	56.17	20.49	55.85	20.80
	-9.5	-10.0	57.98	19.09	57.78	19.48	57.11	19.92	57.68	20.64	56.58	20.62	56.26	21.05
	-8.5	-9.1	58.40	19.27	58.19	19.68	57.52	20.12	58.09	20.87	56.99	20.91	56.67	21.07
	-7.0	-7.6	59.03	19.56	58.82	20.03	58.14	20.33	58.72	21.08	57.60	21.09	57.28	21.31
	-5.0	-5.6	63.62	19.74	63.41	20.18	62.47	20.54	63.32	21.29	62.11	21.28	61.79	21.69
	-3.0	-3.7	64.45	20.08	64.24	20.57	63.30	20.82	64.15	21.51	62.73	21.56	62.60	21.81
	0.0	-0.7	65.70	20.32	65.49	20.86	64.53	20.96	65.41	21.76	64.16	21.71	63.83	21.94
	3.0	2.2	71.75	21.56	71.75	22.11	70.72	22.07	71.47	22.83	70.10	22.80	65.47	21.71
	5.0	4.1	90.31	24.22	84.89	23.92	77.94	23.30	75.86	23.10	71.54	22.44	65.47	21.06
	7.0	6.0	90.94	24.03	84.89	22.92	77.94	22.07	75.86	21.99	71.54	21.42	65.47	20.54
	9.0	7.9	90.94	22.98	84.89	21.93	77.94	21.42	75.86	21.30	71.54	20.84	65.47	19.91
	11.0	9.8	90.94	22.19	84.89	21.48	77.94	20.70	75.86	20.65	71.54	20.07	65.47	19.17
	13.0	11.8	90.94	21.68	84.89	20.93	77.94	20.08	75.86	20.34	71.54	19.69	65.47	18.76
15.0	13.7	90.94	21.17	84.89	20.31	77.94	19.54	75.86	19.60	71.54	19.06	65.47	18.10	
18.0	16.6	91.93	19.93	85.54	18.99	78.33	18.29	76.06	18.25	71.58	17.74	65.47	16.86	
21.0	19.5	92.46	18.60	85.77	17.63	78.33	16.95	76.06	16.91	71.58	16.41	65.47	15.61	
24.0	22.4	92.54	17.15	85.77	16.28	78.33	15.57	76.06	15.57	71.58	15.14	65.47	14.34	
27.0	25.3	92.54	15.72	85.77	14.92	78.33	14.32	76.06	14.31	71.58	13.86	65.47	13.18	
30.0	28.1	92.54	14.37	85.77	13.64	78.33	13.05	76.06	13.06	71.58	12.66	65.47	12.03	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.20:20HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
110%	-30.0	-30.5	49.97	17.62	50.17	18.17	49.45	18.40	49.09	17.95	49.71	18.65	49.79	19.16
	-25.0	-25.4	50.99	17.64	51.19	18.15	50.45	18.40	50.09	17.95	50.73	18.60	50.81	19.18
	-19.8	-20.0	53.19	17.89	53.45	18.45	52.73	18.66	52.27	18.21	52.93	18.87	53.03	19.38
	-18.8	-19.0	53.61	18.11	53.86	18.70	53.14	18.91	52.68	18.26	53.34	19.11	53.45	19.44
	-16.7	-17.0	54.44	18.37	54.70	18.95	53.97	19.21	53.50	18.63	54.39	19.30	54.28	19.70
	-13.7	-15.0	55.26	18.57	55.53	19.17	54.80	19.33	54.32	18.69	55.22	19.41	55.12	19.92
	-11.8	-13.0	56.09	18.80	56.37	19.40	55.83	19.63	55.14	18.92	56.05	19.66	55.95	20.15
	-9.8	-11.0	56.92	18.83	57.20	19.41	56.66	19.67	55.96	19.26	56.89	19.83	56.79	20.42
	-9.5	-10.0	57.33	19.02	57.83	19.63	57.07	19.83	56.37	19.33	57.30	20.06	57.20	20.62
	-8.5	-9.1	57.75	19.28	58.04	19.84	57.48	20.04	56.78	19.52	57.72	20.29	57.62	20.87
	-7.0	-7.6	58.37	19.47	58.67	20.02	58.11	20.23	57.40	19.76	58.34	20.56	58.25	20.89
	-5.0	-5.6	62.92	19.73	63.26	20.33	62.45	20.53	61.91	20.01	62.93	20.66	61.17	20.71
	-3.0	-3.7	63.75	19.83	64.09	20.48	63.27	20.69	62.73	20.15	63.76	20.91	61.17	20.35
	0.0	-0.7	64.99	20.37	65.35	20.90	64.72	21.11	63.96	20.29	65.01	21.14	61.17	20.01
	3.0	2.2	70.99	21.25	71.61	21.81	70.72	22.05	68.26	21.14	66.68	21.28	61.17	19.85
	5.0	4.1	82.79	23.15	77.87	23.30	71.75	21.51	68.26	20.72	66.68	20.70	61.17	19.76
	7.0	6.0	82.79	22.34	77.87	21.97	71.75	20.45	68.26	19.74	66.68	19.75	61.17	19.30
	9.0	7.9	82.79	21.35	77.87	20.82	71.75	19.76	68.26	19.27	66.68	19.32	61.17	18.95
	11.0	9.8	82.79	20.59	77.87	20.06	71.75	19.17	68.26	18.55	66.68	18.71	61.17	18.36
	13.0	11.8	82.79	19.96	77.87	19.40	71.75	18.55	68.26	18.03	66.68	18.06	61.17	17.68
15.0	13.7	82.79	19.37	77.87	18.73	71.75	17.92	68.26	17.41	66.68	17.44	61.17	17.10	
18.0	16.6	83.69	18.20	78.47	17.61	72.11	16.79	68.44	16.24	66.71	16.23	61.17	15.87	
21.0	19.5	84.18	16.95	78.68	16.30	72.11	15.50	68.44	15.01	66.71	15.07	61.17	14.68	
24.0	22.4	84.25	15.63	78.68	15.05	72.11	14.30	68.44	13.82	66.71	13.85	61.17	13.56	
27.0	25.3	84.25	14.34	78.68	13.81	72.11	13.14	68.44	12.72	66.71	12.73	61.17	12.43	
30.0	28.1	84.25	13.11	78.68	12.61	72.11	11.97	68.44	11.60	66.71	11.64	61.17	11.36	
100%	-30.0	-30.5	48.90	21.50	48.99	21.84	47.93	21.84	48.98	22.34	48.94	22.38	48.31	22.50
	-25.0	-25.4	49.90	21.48	49.99	21.82	48.91	21.84	49.98	22.30	49.93	22.43	49.29	22.50
	-19.8	-20.0	52.22	21.50	52.32	21.89	51.20	21.97	52.32	22.34	52.27	22.41	51.61	22.34
	-18.8	-19.0	53.03	21.53	53.14	21.90	52.00	21.98	53.14	22.35	53.09	22.43	52.42	22.14
	-16.7	-17.0	53.84	21.60	53.95	21.97	53.00	22.05	53.96	22.40	53.91	22.55	53.23	22.07
	-13.7	-15.0	54.65	21.63	54.77	21.99	53.80	22.05	54.78	22.47	54.72	22.58	54.04	21.81
	-11.8	-13.0	55.46	21.66	55.58	22.01	54.60	22.11	55.59	22.46	55.54	22.55	54.04	21.59
	-9.8	-11.0	55.86	21.67	56.19	22.09	55.00	22.14	56.21	22.50	55.95	22.63	54.04	21.56
	-9.5	-10.0	56.27	21.75	56.39	22.09	55.40	22.21	56.41	22.55	56.36	22.66	54.04	21.34
	-8.5	-9.1	56.87	21.78	57.21	22.10	56.00	22.25	57.02	22.55	56.97	22.65	54.04	20.99
	-7.0	-7.6	61.33	21.78	61.48	22.09	60.40	22.74	61.52	23.33	59.42	22.19	54.04	20.98
	-5.0	-5.6	62.13	21.77	62.30	22.08	61.20	22.16	61.93	22.74	59.42	21.55	54.04	20.39
	-3.0	-3.7	63.35	21.82	63.52	22.09	62.40	21.46	61.93	21.43	59.42	20.83	54.04	19.66
	0.0	-0.7	64.97	21.88	69.02	22.15	63.00	20.88	61.93	20.41	59.42	19.83	54.04	18.84
	3.0	2.2	69.22	21.43	69.02	21.55	63.00	20.28	61.93	19.44	59.42	18.66	54.04	17.91
	5.0	4.1	73.47	21.06	69.02	20.56	63.00	19.32	61.93	18.59	59.42	17.89	54.04	17.13
	7.0	6.0	73.47	20.82	69.02	19.46	63.00	18.05	61.93	17.53	59.42	17.18	54.04	16.35
	9.0	7.9	73.47	19.59	69.02	18.46	63.00	17.55	61.93	17.11	59.42	16.66	54.04	15.82
	11.0	9.8	73.47	18.34	69.02	17.30	63.00	16.96	61.93	16.43	59.42	16.07	54.04	15.14
	13.0	11.8	73.47	17.23	69.02	16.85	63.00	16.33	61.93	15.83	59.42	15.51	54.04	14.65
15.0	13.7	73.47	16.34	69.02	16.16	63.00	15.71	61.93	15.29	59.42	14.91	54.04	14.10	
18.0	16.6	73.47	15.25	69.02	15.02	63.00	14.61	61.93	14.24	59.42	13.91	54.04	13.10	
21.0	19.5	73.47	14.08	69.02	13.95	63.00	13.53	61.93	13.16	59.42	12.86	54.04	12.14	
24.0	22.4	73.47	13.01	69.02	12.83	63.00	12.49	61.93	12.15	59.42	11.86	54.04	11.17	
27.0	25.3	73.47	11.90	69.02	11.80	63.00	11.46	61.93	11.12	59.42	10.86	54.04	10.27	
30.0	28.1	73.47	10.87	69.02	10.75	63.00	10.47	61.93	10.19	59.42	9.93	54.04	9.36	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.20: 20HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	49.15	21.78	49.35	22.20	49.52	22.60	49.01	22.67	48.96	22.69	49.15	21.60
	-25.0	-25.4	50.15	21.80	50.36	22.17	50.53	22.60	50.01	22.65	49.96	22.75	50.15	21.60
	-19.8	-20.0	52.27	22.14	52.57	22.53	52.72	22.98	52.21	22.91	52.16	23.02	50.15	21.10
	-18.8	-19.0	52.68	22.17	52.99	22.58	53.14	23.02	52.63	22.89	52.58	22.89	50.15	20.88
	-16.7	-17.0	53.50	22.22	53.81	22.65	54.18	23.03	53.45	22.94	53.40	22.47	50.15	20.49
	-13.7	-15.0	54.32	22.24	54.64	22.67	55.01	23.06	54.28	22.97	54.02	21.99	50.15	20.11
	-11.8	-13.0	55.14	22.25	55.47	22.69	55.84	23.11	55.10	22.63	54.02	21.51	50.15	19.70
	-9.8	-11.0	55.96	22.33	56.51	22.72	56.68	23.16	56.14	22.17	54.02	21.13	50.15	19.35
	-9.5	-10.0	56.37	22.29	56.92	22.72	57.09	23.12	56.34	22.02	54.02	20.90	50.15	19.12
	-8.5	-9.1	56.78	22.35	57.13	22.75	57.51	23.11	56.34	21.77	54.02	20.77	50.15	18.94
	-7.0	-7.6	57.40	22.39	57.95	22.50	58.14	22.76	56.34	21.54	54.02	20.42	50.15	18.68
	-5.0	-5.6	61.91	22.43	62.30	21.49	59.18	21.85	56.34	20.79	54.02	19.83	50.15	18.16
	-3.0	-3.7	62.73	22.46	63.13	20.57	59.18	20.73	56.34	20.03	54.02	19.18	50.15	17.66
	0.0	-0.7	63.96	22.51	63.13	19.50	59.18	19.82	56.34	19.07	54.02	18.21	50.15	17.26
	3.0	2.2	67.03	22.54	63.13	18.50	59.18	18.70	56.34	18.34	54.02	17.40	50.15	16.64
	5.0	4.1	67.03	21.96	63.13	17.55	59.18	17.89	56.34	17.40	54.02	16.61	50.15	16.01
	7.0	6.0	67.03	19.07	63.13	17.27	59.18	16.75	56.34	15.89	54.02	15.28	50.15	14.23
	9.0	7.9	67.03	17.91	63.13	16.96	59.18	15.86	56.34	15.19	54.02	14.60	50.15	13.70
	11.0	9.8	67.03	16.88	63.13	16.01	59.18	15.12	56.34	14.46	54.02	13.98	50.15	13.21
	13.0	11.8	67.03	15.93	63.13	15.22	59.18	14.48	56.34	13.91	54.02	13.44	50.15	12.77
15.0	13.7	67.03	15.29	63.13	14.66	59.18	13.95	56.34	13.46	54.02	13.09	50.15	12.44	
18.0	16.6	67.03	14.24	63.13	13.65	59.18	13.00	56.34	12.51	54.02	12.16	50.15	11.59	
21.0	19.5	67.03	13.16	63.13	12.64	59.18	12.02	56.34	11.57	54.02	11.27	50.15	10.72	
24.0	22.4	67.03	12.15	63.13	11.64	59.18	11.09	56.34	10.70	54.02	10.36	50.15	9.90	
27.0	25.3	67.03	11.15	63.13	10.68	59.18	10.18	56.34	9.82	54.02	9.50	50.15	9.08	
30.0	28.1	67.03	10.18	63.13	9.76	59.18	9.29	56.34	8.94	54.02	8.70	50.15	8.30	
80%	-30.0	-30.5	49.36	23.21	48.73	23.33	49.97	23.05	49.56	22.00	46.72	20.65	43.20	18.93
	-25.0	-25.4	50.37	23.23	49.73	23.26	50.99	23.03	50.57	21.98	47.67	20.65	44.09	18.91
	-19.8	-20.0	52.37	23.32	51.71	22.38	52.56	22.11	50.57	21.10	47.67	19.70	44.09	17.96
	-18.8	-19.0	52.78	22.37	52.12	22.38	52.56	21.86	50.57	20.92	47.67	19.45	44.09	17.81
	-16.7	-17.0	53.61	22.44	52.94	22.46	52.56	21.43	50.57	20.44	47.67	19.12	44.09	17.45
	-13.7	-15.0	54.43	22.45	53.75	22.44	52.56	21.02	50.57	20.06	47.67	18.71	44.09	17.13
	-11.8	-13.0	55.26	22.52	54.57	22.04	52.56	20.55	50.57	19.67	47.67	18.38	44.09	16.81
	-9.8	-11.0	56.08	22.53	55.39	21.64	52.56	20.18	50.57	19.28	47.67	18.04	44.09	16.48
	-9.5	-10.0	56.49	22.53	55.39	21.43	52.56	19.99	50.57	19.11	47.67	17.86	44.09	16.33
	-8.5	-9.1	56.91	22.58	55.39	21.21	52.56	19.84	50.57	18.97	47.67	17.65	44.09	16.20
	-7.0	-7.6	57.52	22.60	55.39	20.87	52.56	19.53	50.57	18.68	47.67	17.43	44.09	15.97
	-5.0	-5.6	60.00	22.13	55.39	20.26	52.56	18.91	50.57	18.10	47.67	16.93	44.09	15.50
	-3.0	-3.7	60.00	22.95	55.39	19.48	52.56	18.12	50.57	17.44	47.67	16.35	44.09	15.06
	0.0	-0.7	60.00	22.61	55.39	18.56	52.56	17.53	50.57	16.92	47.67	15.85	44.09	14.74
	3.0	2.2	60.00	20.94	55.39	17.51	52.56	16.53	50.57	16.31	47.67	15.26	44.09	14.17
	5.0	4.1	60.00	19.10	55.39	16.56	52.56	15.77	50.57	15.68	47.67	14.53	44.09	13.84
	7.0	6.0	60.00	16.75	55.39	15.53	52.56	14.74	50.57	14.17	47.67	13.37	44.09	12.46
	9.0	7.9	60.00	15.91	55.39	14.80	52.56	14.09	50.57	13.64	47.67	12.87	44.09	12.08
	11.0	9.8	60.00	15.09	55.39	14.10	52.56	13.52	50.57	13.15	47.67	12.46	44.09	11.76
	13.0	11.8	60.00	14.43	55.39	13.54	52.56	13.04	50.57	12.73	47.67	12.09	44.09	11.47
15.0	13.7	60.00	13.93	55.39	13.08	52.56	12.73	50.57	12.43	47.67	11.82	44.09	11.30	
18.0	16.6	60.00	12.95	55.39	12.21	52.56	11.83	50.57	11.53	47.67	11.00	44.09	10.51	
21.0	19.5	60.00	11.98	55.39	11.29	52.56	10.95	50.57	10.67	47.67	10.16	44.09	9.73	
24.0	22.4	60.00	11.03	55.39	10.41	52.56	10.10	50.57	9.86	47.67	9.38	44.09	8.96	
27.0	25.3	60.00	10.14	55.39	9.53	52.56	9.25	50.57	9.02	47.67	8.60	44.09	8.21	
30.0	28.1	60.00	9.25	55.39	8.71	52.56	8.47	50.57	8.24	47.67	7.86	44.09	7.52	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table 2-8.20: 20HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-30.0	-30.5	50.62	23.39	47.56	21.57	44.70	21.41	42.55	20.81	41.34	20.80	37.89	19.98
	-25.0	-25.4	51.66	23.39	48.53	21.57	45.61	21.41	43.41	20.81	42.18	20.78	38.67	19.98
	-19.8	-20.0	51.66	22.25	48.53	20.47	45.61	20.19	43.41	19.67	42.18	19.61	38.67	18.79
	-18.8	-19.0	52.07	21.97	48.53	20.26	45.61	19.96	43.41	19.40	42.18	19.33	38.67	18.58
	-16.7	-17.0	52.07	21.54	48.53	19.86	45.61	19.63	43.41	19.07	42.18	19.02	38.67	18.24
	-13.7	-15.0	52.07	21.12	48.53	19.40	45.61	19.26	43.41	18.70	42.18	18.66	38.67	17.89
	-11.8	-13.0	52.07	20.73	48.53	19.09	45.61	18.95	43.41	18.38	42.18	18.29	38.67	17.54
	-9.8	-11.0	52.07	20.31	48.53	18.66	45.61	18.55	43.41	18.06	42.18	17.98	38.67	17.18
	-9.5	-10.0	52.07	20.14	48.53	18.50	45.61	18.10	43.41	17.61	42.18	17.48	38.67	16.71
	-8.5	-9.1	52.07	19.90	48.53	18.36	45.61	17.52	43.41	16.96	42.18	16.88	38.67	16.12
	-7.0	-7.6	52.07	19.67	48.53	18.09	45.61	16.77	43.41	16.20	42.18	16.16	38.67	15.33
	-5.0	-5.6	52.07	19.06	48.53	17.58	45.61	16.27	43.41	15.76	42.18	15.65	38.67	14.92
	-3.0	-3.7	52.07	18.02	48.53	17.01	45.61	15.79	43.41	15.28	42.18	15.18	38.67	14.41
	0.0	-0.7	52.07	17.07	48.53	16.27	45.61	15.16	43.41	14.62	42.18	14.55	38.67	13.73
	3.0	2.2	52.07	16.09	48.53	15.38	45.61	14.22	43.41	13.73	42.18	13.58	38.67	12.84
	5.0	4.1	52.07	15.38	48.53	14.43	45.61	13.68	43.41	13.20	42.18	13.07	38.67	12.27
	7.0	6.0	52.07	14.75	48.53	13.80	45.61	12.96	43.41	12.50	42.18	12.37	38.67	11.61
	9.0	7.9	52.07	14.13	48.53	13.28	45.61	12.53	43.41	12.06	42.18	11.94	38.67	11.14
	11.0	9.8	52.07	13.56	48.53	12.83	45.61	12.05	43.41	11.58	42.18	11.41	38.67	10.62
	13.0	11.8	52.07	13.08	48.53	12.27	45.61	11.46	43.41	11.00	42.18	10.82	38.67	10.06
15.0	13.7	52.07	12.60	48.53	11.73	45.61	11.02	43.41	10.56	42.18	10.38	38.67	9.60	
18.0	16.6	52.07	11.72	48.53	10.94	45.61	10.27	43.41	9.81	42.18	9.66	38.67	8.94	
21.0	19.5	52.07	10.86	48.53	10.11	45.61	9.50	43.41	9.08	42.18	8.96	38.67	8.28	
24.0	22.4	52.07	9.98	48.53	9.34	45.61	8.73	43.41	8.37	42.18	8.26	38.67	7.62	
27.0	25.3	52.07	9.18	48.53	8.57	45.61	8.04	43.41	7.69	42.18	7.55	38.67	6.99	
30.0	28.1	52.07	8.38	48.53	7.81	45.61	7.34	43.41	7.01	42.18	6.90	38.67	6.38	
60%	-30.0	-30.5	44.52	22.12	40.90	20.57	37.82	19.54	36.53	19.19	35.57	18.70	32.11	17.38
	-25.0	-25.4	45.43	22.16	41.74	20.57	38.59	19.52	37.27	19.17	36.29	18.73	32.77	17.41
	-19.8	-20.0	45.43	20.93	41.74	19.59	38.59	18.80	37.27	18.33	36.29	17.86	32.77	16.53
	-18.8	-19.0	45.43	20.41	41.74	18.91	38.59	18.17	37.27	17.74	36.29	17.10	32.77	15.89
	-16.7	-17.0	45.43	19.75	41.74	18.33	38.59	17.59	37.27	17.04	36.29	16.51	32.77	15.28
	-13.7	-15.0	45.43	19.11	41.74	17.76	38.59	17.01	37.27	16.41	36.29	15.86	32.77	14.65
	-11.8	-13.0	45.43	18.39	41.74	17.11	38.59	16.36	37.27	15.84	36.29	15.19	32.77	13.97
	-9.8	-11.0	45.43	17.80	41.74	16.49	38.59	15.57	37.27	15.14	36.29	14.51	32.77	13.45
	-9.5	-10.0	45.43	17.22	41.74	15.86	38.59	14.95	37.27	14.49	36.29	13.90	32.77	12.76
	-8.5	-9.1	45.43	16.47	41.74	15.28	38.59	14.31	37.27	13.82	36.29	13.25	32.77	12.00
	-7.0	-7.6	45.43	15.84	41.74	14.59	38.59	13.83	37.27	13.39	36.29	12.72	32.77	11.51
	-5.0	-5.6	45.43	15.27	41.74	14.10	38.59	13.15	37.27	12.84	36.29	12.24	32.77	10.93
	-3.0	-3.7	45.43	14.75	41.74	13.50	38.59	12.55	37.27	12.30	36.29	11.69	32.77	10.55
	0.0	-0.7	45.43	14.18	41.74	12.96	38.59	11.98	37.27	11.72	36.29	11.09	32.77	10.37
	3.0	2.2	45.43	13.51	41.74	12.35	38.59	11.54	37.27	11.22	36.29	10.53	32.77	9.99
	5.0	4.1	45.43	12.80	41.74	11.82	38.59	11.12	37.27	10.74	36.29	10.29	32.77	9.76
	7.0	6.0	45.43	12.24	41.74	11.31	38.59	10.58	37.27	10.28	36.29	10.26	32.77	9.59
	9.0	7.9	45.43	12.02	41.74	11.07	38.59	10.42	37.27	10.06	36.29	9.80	32.77	9.15
	11.0	9.8	45.43	11.84	41.74	10.93	38.59	10.14	37.27	9.83	36.29	9.60	32.77	8.99
	13.0	11.8	45.43	11.48	41.74	10.56	38.59	9.84	37.27	9.62	36.29	9.40	32.77	8.77
15.0	13.7	45.43	11.32	41.74	10.32	38.59	9.55	37.27	9.37	36.29	9.15	32.77	8.55	
18.0	16.6	45.43	10.54	41.74	9.62	38.59	8.87	37.27	8.72	36.29	8.51	32.77	7.94	
21.0	19.5	45.43	9.76	41.74	8.89	38.59	8.22	37.27	8.09	36.29	7.88	32.77	7.35	
24.0	22.4	45.43	8.99	41.74	8.19	38.59	7.58	37.27	7.45	36.29	7.28	32.77	6.77	
27.0	25.3	45.43	8.24	41.74	7.53	38.59	6.95	37.27	6.82	36.29	6.67	32.77	6.21	
30.0	28.1	45.43	7.53	41.74	6.87	38.59	6.36	37.27	6.23	36.29	6.08	32.77	5.68	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.20: 20HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	36.53	17.98	34.05	16.99	31.71	16.25	30.57	16.00	29.33	15.57	26.95	14.53
	-25.0	-25.4	37.27	18.00	34.75	17.02	32.36	16.21	31.19	16.01	29.93	15.57	27.50	14.53
	-19.8	-20.0	37.27	17.04	34.75	16.21	32.36	15.61	31.19	15.30	29.93	14.89	27.50	13.78
	-18.8	-19.0	37.27	16.62	34.75	15.67	32.36	15.04	31.19	14.81	29.93	14.32	27.50	13.33
	-16.7	-17.0	37.27	16.10	34.75	15.19	32.36	14.60	31.19	14.22	29.93	13.77	27.50	12.75
	-13.7	-15.0	37.27	15.56	34.75	14.73	32.36	14.16	31.19	13.68	29.93	13.25	27.50	12.24
	-11.8	-13.0	37.27	15.00	34.75	14.16	32.36	13.61	31.19	13.21	29.93	12.69	27.50	11.68
	-9.8	-11.0	37.27	14.50	34.75	13.63	32.36	12.97	31.19	12.60	29.93	12.14	27.50	11.27
	-9.5	-10.0	37.27	14.00	34.75	13.10	32.36	12.42	31.19	12.06	29.93	11.64	27.50	10.67
	-8.5	-9.1	37.27	13.40	34.75	12.61	32.36	11.89	31.19	11.56	29.93	11.11	27.50	10.04
	-7.0	-7.6	37.27	12.90	34.75	12.07	32.36	11.48	31.19	11.18	29.93	10.70	27.50	9.60
	-5.0	-5.6	37.27	12.41	34.75	11.63	32.36	10.90	31.19	10.71	29.93	10.29	27.50	9.15
	-3.0	-3.7	37.27	12.01	34.75	11.17	32.36	10.41	31.19	10.28	29.93	9.84	27.50	8.81
	0.0	-0.7	37.27	11.50	34.75	10.75	32.36	9.98	31.19	9.77	29.93	9.37	27.50	8.67
	3.0	2.2	37.27	10.99	34.75	10.23	32.36	9.57	31.19	9.38	29.93	8.90	27.50	8.62
	5.0	4.1	37.27	10.43	34.75	9.78	32.36	9.25	31.19	8.98	29.93	8.71	27.50	8.53
	7.0	6.0	37.27	9.96	34.75	9.38	32.36	8.81	31.19	8.61	29.93	8.56	27.50	8.29
	9.0	7.9	37.27	9.76	34.75	9.15	32.36	8.66	31.19	8.40	29.93	8.20	27.50	8.02
	11.0	9.8	37.27	9.62	34.75	9.03	32.36	8.45	31.19	8.21	29.93	8.07	27.50	7.87
13.0	11.8	37.27	9.34	34.75	8.71	32.36	8.17	31.19	8.01	29.93	7.87	27.50	7.69	
15.0	13.7	37.27	9.21	34.75	8.55	32.36	7.93	31.19	7.83	29.93	7.66	27.50	7.50	
18.0	16.6	37.27	8.57	34.75	7.96	32.36	7.37	31.19	7.29	29.93	7.14	27.50	6.98	
21.0	19.5	37.27	7.94	34.75	7.37	32.36	6.84	31.19	6.76	29.93	6.60	27.50	6.46	
24.0	22.4	37.27	7.31	34.75	6.78	32.36	6.30	31.19	6.22	29.93	6.09	27.50	5.94	
27.0	25.3	37.27	6.71	34.75	6.22	32.36	5.78	31.19	5.71	29.93	5.58	27.50	5.47	
30.0	28.1	37.27	6.14	34.75	5.68	32.36	5.29	31.19	5.20	29.93	5.09	27.50	4.98	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.21:22HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-30.0	-30.5	55.06	18.91	53.84	18.92	53.59	20.00	53.52	20.57	53.47	21.15	52.10	21.01
	-25.0	-25.4	56.19	18.91	54.94	18.88	54.69	20.00	54.61	20.61	54.56	21.11	53.16	21.07
	-19.8	-20.0	59.06	19.39	57.76	19.48	58.49	20.79	58.37	21.37	58.37	21.97	56.98	21.78
	-18.8	-19.0	59.51	19.77	58.21	19.71	58.94	20.95	59.06	21.62	58.83	22.18	57.43	21.89
	-16.7	-17.0	60.42	19.96	59.10	20.08	59.86	21.18	59.97	21.83	59.74	22.35	58.32	22.32
	-13.7	-15.0	61.33	20.25	59.99	20.40	60.76	21.62	60.87	22.23	60.65	22.74	59.21	22.56
	-11.8	-13.0	62.25	20.58	60.89	20.69	61.67	22.00	61.79	22.60	61.56	23.20	60.33	22.97
	-9.8	-11.0	63.16	20.85	61.79	21.09	62.58	22.24	62.70	22.86	62.70	23.35	61.22	23.00
	-9.5	-10.0	63.62	21.20	62.24	21.25	63.27	22.59	63.16	23.16	63.16	23.70	61.67	23.35
	-8.5	-9.1	64.07	21.51	62.69	21.59	63.50	22.84	63.62	23.38	63.62	23.97	62.12	23.58
	-7.0	-7.6	64.76	21.54	63.36	21.89	64.41	23.01	64.30	23.64	64.30	24.29	62.79	23.85
	-5.0	-5.6	69.77	22.48	68.28	22.50	69.19	23.77	69.32	24.49	69.09	24.44	67.48	24.14
	-3.0	-3.7	70.68	22.98	69.18	22.84	70.10	24.14	70.23	24.93	70.00	24.78	68.38	24.52
	0.0	-0.7	72.05	23.63	70.52	23.06	71.45	24.47	71.59	25.12	71.36	25.21	69.93	24.66
	3.0	2.2	79.60	25.01	77.24	24.63	78.29	25.67	78.21	26.22	78.21	26.54	76.41	26.13
	5.0	4.1	98.96	30.18	93.26	29.37	93.30	29.71	89.84	28.85	86.19	28.44	77.53	26.70
	7.0	6.0	100.55	30.51	95.06	28.50	93.30	28.20	89.84	27.58	86.19	27.32	77.53	25.76
	9.0	7.9	100.55	28.97	95.06	27.14	93.30	27.40	89.84	27.02	86.19	26.65	77.53	25.17
	11.0	9.8	100.55	27.62	95.06	26.10	93.30	26.49	89.84	26.14	86.19	25.81	77.53	24.22
	13.0	11.8	100.55	26.25	95.06	25.30	93.30	25.74	89.84	25.68	86.19	25.27	77.53	23.79
15.0	13.7	100.55	25.43	95.06	24.71	93.30	25.03	89.84	24.66	86.19	24.57	77.53	22.94	
18.0	16.6	101.65	23.89	95.79	23.14	93.77	23.38	90.07	23.06	86.24	22.80	77.53	21.32	
21.0	19.5	102.24	22.23	96.04	21.50	93.77	21.60	90.07	21.36	86.24	21.15	77.53	19.70	
24.0	22.4	102.33	20.50	96.04	19.80	93.77	19.93	90.07	19.65	86.24	19.45	77.53	18.15	
27.0	25.3	102.33	18.83	96.04	18.16	93.77	18.27	90.07	18.01	86.24	17.87	77.53	16.67	
30.0	28.1	102.33	17.21	96.04	16.62	93.77	16.68	90.07	16.48	86.24	16.32	77.53	15.26	
120%	-30.0	-30.5	53.89	20.34	54.29	21.36	53.68	21.87	53.04	22.23	53.68	23.15	52.49	22.99
	-25.0	-25.4	54.99	20.38	55.40	21.40	54.78	21.89	54.12	22.20	54.78	23.08	53.56	23.03
	-19.8	-20.0	58.32	20.92	58.76	21.88	57.92	22.25	57.42	22.59	58.14	23.48	56.80	23.47
	-18.8	-19.0	58.77	21.21	59.22	21.95	58.37	22.69	57.87	22.95	58.60	23.93	57.25	23.73
	-16.7	-17.0	59.67	21.51	60.13	22.20	59.28	23.00	58.76	23.30	59.51	24.19	58.37	23.84
	-13.7	-15.0	60.57	21.85	61.05	22.72	60.18	23.07	59.66	23.43	60.65	24.28	59.26	24.06
	-11.8	-13.0	61.48	22.11	61.96	22.94	61.18	23.34	60.55	23.73	61.56	24.66	60.15	24.35
	-9.8	-11.0	62.38	22.23	62.88	23.11	62.22	23.60	61.45	23.94	62.47	24.87	61.05	24.73
	-9.5	-10.0	62.83	22.51	63.33	23.29	62.67	23.84	61.90	24.13	62.92	25.01	61.50	25.11
	-8.5	-9.1	63.29	22.70	63.79	23.56	63.12	24.10	62.35	24.35	63.38	25.29	61.94	25.12
	-7.0	-7.6	63.96	23.16	64.48	23.94	63.80	24.33	63.02	24.61	64.06	25.63	62.61	25.40
	-5.0	-5.6	68.93	23.32	69.50	24.13	68.55	24.60	67.95	24.86	69.08	25.83	67.53	25.86
	-3.0	-3.7	69.84	23.75	70.42	24.57	69.45	24.89	68.85	25.25	69.76	26.13	68.42	25.99
	0.0	-0.7	71.20	24.02	71.79	24.92	70.81	25.13	70.19	25.46	71.35	26.37	69.76	26.14
	3.0	2.2	77.75	25.51	78.65	26.49	77.60	26.39	76.70	26.66	77.97	27.63	71.56	25.88
	5.0	4.1	97.86	28.56	93.06	28.64	85.51	27.81	81.41	27.04	79.57	27.25	71.56	25.07
	7.0	6.0	98.54	28.33	93.06	27.38	85.51	26.40	81.41	25.73	79.57	25.99	71.56	24.46
	9.0	7.9	98.54	27.18	93.06	26.21	85.51	25.67	81.41	24.88	79.57	25.26	71.56	23.76
	11.0	9.8	98.54	26.27	93.06	25.63	85.51	24.77	81.41	24.15	79.57	24.40	71.56	22.86
	13.0	11.8	98.54	25.62	93.06	25.03	85.51	24.06	81.41	23.81	79.57	23.93	71.56	22.39
15.0	13.7	98.54	25.05	93.06	24.24	85.51	23.39	81.41	22.93	79.57	23.09	71.56	21.54	
18.0	16.6	99.61	23.56	93.77	22.72	85.94	21.89	81.62	21.40	79.61	21.52	71.56	20.06	
21.0	19.5	100.20	21.96	94.02	21.14	85.94	20.29	81.62	19.82	79.61	19.92	71.56	18.59	
24.0	22.4	100.28	20.26	94.02	19.44	85.94	18.66	81.62	18.23	79.61	18.33	71.56	17.12	
27.0	25.3	100.28	18.60	94.02	17.86	85.94	17.12	81.62	16.76	79.61	16.83	71.56	15.72	
30.0	28.1	100.28	16.96	94.02	16.29	85.94	15.65	81.62	15.30	79.61	15.38	71.56	14.34	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.21: 22HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-30.0	-30.5	54.51	20.93	54.26	21.45	53.57	21.79	54.12	21.58	54.08	22.13	54.37	22.81
	-25.0	-25.4	55.63	20.99	55.37	21.41	54.66	21.74	55.23	21.60	55.18	22.07	55.48	22.79
	-19.8	-20.0	58.03	21.28	57.81	21.78	57.14	22.09	57.64	21.91	57.58	22.40	57.91	23.07
	-18.8	-19.0	58.49	21.60	58.26	22.09	57.59	22.41	58.09	21.94	58.03	22.63	58.37	23.19
	-16.7	-17.0	59.39	21.87	59.16	22.34	58.48	22.72	58.99	22.36	59.16	22.94	59.28	23.43
	-13.7	-15.0	60.29	22.07	60.07	22.54	59.38	22.91	59.90	22.51	60.07	23.02	60.19	23.69
	-11.8	-13.0	61.19	22.40	60.97	22.86	60.50	23.23	60.80	22.77	60.98	23.32	61.10	24.00
	-9.8	-11.0	62.10	22.42	61.87	22.86	61.39	23.17	61.70	23.17	61.88	23.57	62.01	24.33
	-9.5	-10.0	62.55	22.63	62.55	23.11	61.84	23.43	62.16	23.23	62.34	23.83	62.47	24.53
	-8.5	-9.1	63.00	22.91	62.77	23.40	62.29	23.66	62.61	23.44	62.79	24.10	62.92	24.86
	-7.0	-7.6	63.68	23.13	63.45	23.63	62.96	23.92	63.29	23.76	63.47	24.32	63.61	24.87
	-5.0	-5.6	68.64	23.49	68.41	23.98	67.66	24.21	68.25	24.01	68.45	24.53	66.80	24.63
	-3.0	-3.7	69.54	23.66	69.32	24.15	68.56	24.38	69.16	24.25	69.36	24.78	66.80	24.22
	0.0	-0.7	70.90	24.18	70.67	24.67	70.12	24.98	70.51	24.44	70.72	25.07	66.80	23.89
	3.0	2.2	77.45	25.24	77.45	25.73	76.63	26.05	75.27	25.44	72.54	25.19	66.80	23.67
	5.0	4.1	90.32	27.63	84.22	27.47	77.75	25.41	75.27	24.94	72.54	24.63	66.80	23.58
	7.0	6.0	90.32	26.61	84.22	25.93	77.75	24.20	75.27	23.70	72.54	23.46	66.80	22.96
	9.0	7.9	90.32	25.35	84.22	24.53	77.75	23.31	75.27	23.13	72.54	22.98	66.80	22.57
	11.0	9.8	90.32	24.42	84.22	23.61	77.75	22.63	75.27	22.29	72.54	22.19	66.80	21.83
	13.0	11.8	90.32	23.77	84.22	22.85	77.75	21.92	75.27	21.62	72.54	21.43	66.80	21.11
15.0	13.7	90.32	23.04	84.22	22.12	77.75	21.15	75.27	20.92	72.54	20.73	66.80	20.37	
18.0	16.6	91.30	21.69	84.87	20.71	78.14	19.77	75.47	19.51	72.58	19.29	66.80	18.89	
21.0	19.5	91.84	20.20	85.09	19.28	78.14	18.35	75.47	18.03	72.58	17.84	66.80	17.51	
24.0	22.4	91.92	18.65	85.09	17.74	78.14	16.88	75.47	16.67	72.58	16.43	66.80	16.12	
27.0	25.3	91.92	17.09	85.09	16.29	78.14	15.53	75.47	15.24	72.58	15.10	66.80	14.79	
30.0	28.1	91.92	15.60	85.09	14.89	78.14	14.17	75.47	13.94	72.58	13.79	66.80	13.55	
100%	-30.0	-30.5	54.03	25.91	53.13	25.87	52.49	26.03	53.54	26.63	53.43	26.68	52.80	26.84
	-25.0	-25.4	55.13	25.91	54.21	25.85	53.56	26.08	54.63	26.58	54.52	26.73	53.88	26.81
	-19.8	-20.0	57.70	25.96	56.74	25.88	56.08	26.21	57.19	26.64	57.08	26.72	56.41	26.62
	-18.8	-19.0	58.59	25.94	57.63	25.97	56.95	26.25	58.09	26.69	57.97	26.80	57.30	26.42
	-16.7	-17.0	59.48	25.97	58.51	25.98	58.05	26.30	58.98	26.67	58.86	26.86	58.18	26.28
	-13.7	-15.0	60.38	26.04	59.39	25.98	58.92	26.37	59.87	26.70	59.76	26.81	59.07	26.01
	-11.8	-13.0	61.27	26.15	60.27	26.09	59.80	26.38	60.77	26.80	60.65	26.87	59.07	25.69
	-9.8	-11.0	61.72	26.15	60.94	26.05	60.23	26.43	61.44	26.83	61.09	26.91	59.07	25.67
	-9.5	-10.0	62.17	26.16	61.16	26.13	60.67	26.53	61.66	26.88	61.54	26.96	59.07	25.45
	-8.5	-9.1	62.84	26.21	62.04	26.11	61.33	26.55	62.33	26.83	62.21	26.94	59.07	25.04
	-7.0	-7.6	67.75	26.28	66.67	26.14	66.14	27.10	67.24	27.86	64.88	26.40	59.07	25.00
	-5.0	-5.6	68.65	26.23	67.55	26.13	67.02	26.49	67.69	27.02	64.88	25.69	59.07	24.26
	-3.0	-3.7	69.99	26.31	68.88	26.17	68.33	25.65	67.69	25.46	64.88	24.83	59.07	23.42
	0.0	-0.7	71.79	26.32	74.85	26.17	69.00	24.93	67.69	24.30	64.88	23.59	59.07	22.48
	3.0	2.2	76.48	25.81	74.85	25.54	69.00	24.19	67.69	23.15	64.88	22.25	59.07	21.35
	5.0	4.1	81.17	25.43	74.85	24.27	69.00	23.05	67.69	22.15	64.88	21.32	59.07	20.38
	7.0	6.0	81.17	25.04	74.85	23.02	69.00	21.56	67.69	20.90	64.88	20.43	59.07	19.52
	9.0	7.9	81.17	23.63	74.85	21.85	69.00	20.96	67.69	20.43	64.88	19.84	59.07	18.85
	11.0	9.8	81.17	22.16	74.85	20.46	69.00	20.29	67.69	19.62	64.88	19.14	59.07	18.10
	13.0	11.8	81.17	20.76	74.85	19.97	69.00	19.48	67.69	18.89	64.88	18.47	59.07	17.48
15.0	13.7	81.17	19.75	74.85	19.09	69.00	18.80	67.69	18.27	64.88	17.77	59.07	16.76	
18.0	16.6	81.17	18.38	74.85	17.77	69.00	17.49	67.69	16.94	64.88	16.53	59.07	15.62	
21.0	19.5	81.17	17.01	74.85	16.49	69.00	16.18	67.69	15.69	64.88	15.33	59.07	14.42	
24.0	22.4	81.17	15.64	74.85	15.20	69.00	14.91	67.69	14.50	64.88	14.13	59.07	13.32	
27.0	25.3	81.17	14.37	74.85	13.92	69.00	13.69	67.69	13.29	64.88	12.97	59.07	12.21	
30.0	28.1	81.17	13.13	74.85	12.70	69.00	12.50	67.69	12.11	64.88	11.82	59.07	11.14	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.21:22HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	54.76	26.44	54.57	26.77	54.28	26.99	53.20	26.82	53.31	26.94	53.16	25.49
	-25.0	-25.4	55.88	26.44	55.68	26.75	55.39	27.04	54.29	26.79	54.40	27.01	54.24	25.42
	-19.8	-20.0	58.25	26.86	58.13	27.17	57.79	27.44	56.69	27.07	56.80	27.34	54.24	24.96
	-18.8	-19.0	58.71	26.95	58.59	27.26	58.25	27.52	57.14	27.10	57.25	27.24	54.24	24.66
	-16.7	-17.0	59.62	26.95	59.51	27.29	59.39	27.53	58.03	27.13	58.15	26.64	54.24	24.17
	-13.7	-15.0	60.53	26.96	60.42	27.30	60.31	27.55	58.93	27.19	58.82	26.07	54.24	23.67
	-11.8	-13.0	61.45	27.03	61.34	27.33	61.22	27.60	59.82	26.86	58.82	25.57	54.24	23.24
	-9.8	-11.0	62.36	27.13	62.48	27.40	62.13	27.63	60.94	26.30	58.82	25.11	54.24	22.82
	-9.5	-10.0	62.82	27.14	62.94	27.40	62.59	27.64	61.17	26.07	58.82	24.86	54.24	22.55
	-8.5	-9.1	63.27	27.20	63.17	27.46	63.04	27.66	61.17	25.80	58.82	24.66	54.24	22.34
	-7.0	-7.6	63.96	27.16	64.08	27.09	63.73	27.19	61.17	25.47	58.82	24.29	54.24	22.06
	-5.0	-5.6	68.98	27.23	68.88	25.90	64.87	26.10	61.17	24.65	58.82	23.48	54.24	21.40
	-3.0	-3.7	69.89	27.32	69.80	24.78	64.87	24.78	61.17	23.71	58.82	22.80	54.24	20.83
	0.0	-0.7	71.26	27.31	69.80	23.53	64.87	23.72	61.17	22.57	58.82	21.64	54.24	20.35
	3.0	2.2	74.70	27.39	69.80	22.30	64.87	22.36	61.17	21.70	58.82	20.64	54.24	19.67
	5.0	4.1	74.70	26.72	69.80	21.21	64.87	21.39	61.17	20.58	58.82	19.72	54.24	18.86
	7.0	6.0	74.70	23.16	69.80	20.81	64.87	20.00	61.17	18.82	58.82	18.18	54.24	16.76
	9.0	7.9	74.70	21.73	69.80	20.43	64.87	18.96	61.17	17.96	58.82	17.30	54.24	16.14
	11.0	9.8	74.70	20.54	69.80	19.30	64.87	18.08	61.17	17.13	58.82	16.61	54.24	15.58
	13.0	11.8	74.70	19.41	69.80	18.34	64.87	17.29	61.17	16.44	58.82	15.94	54.24	15.06
15.0	13.7	74.70	18.56	69.80	17.70	64.87	16.72	61.17	15.94	58.82	15.51	54.24	14.70	
18.0	16.6	74.70	17.27	69.80	16.41	64.87	15.54	61.17	14.82	58.82	14.45	54.24	13.68	
21.0	19.5	74.70	15.99	69.80	15.20	64.87	14.40	61.17	13.75	58.82	13.36	54.24	12.66	
24.0	22.4	74.70	14.74	69.80	14.03	64.87	13.26	61.17	12.67	58.82	12.30	54.24	11.67	
27.0	25.3	74.70	13.55	69.80	12.86	64.87	12.16	61.17	11.61	58.82	11.28	54.24	10.72	
30.0	28.1	74.70	12.37	69.80	11.77	64.87	11.12	61.17	10.59	58.82	10.32	54.24	9.76	
80%	-30.0	-30.5	54.27	27.82	53.37	27.78	53.57	27.00	53.24	25.82	51.71	24.89	46.86	22.39
	-25.0	-25.4	55.38	27.82	54.46	27.81	54.66	26.92	54.32	25.80	52.76	24.91	47.82	22.37
	-19.8	-20.0	57.58	26.82	56.63	26.78	56.36	25.77	54.32	24.71	52.76	23.79	47.82	21.31
	-18.8	-19.0	58.03	26.82	57.08	26.78	56.36	25.55	54.32	24.51	52.76	23.51	47.82	21.02
	-16.7	-17.0	58.94	26.85	57.98	26.85	56.36	25.02	54.32	23.96	52.76	23.02	47.82	20.65
	-13.7	-15.0	59.84	26.91	58.87	26.88	56.36	24.57	54.32	23.51	52.76	22.64	47.82	20.23
	-11.8	-13.0	60.75	27.00	59.77	26.37	56.36	24.00	54.32	22.99	52.76	22.19	47.82	19.87
	-9.8	-11.0	61.66	27.01	60.66	25.77	56.36	23.58	54.32	22.61	52.76	21.71	47.82	19.48
	-9.5	-10.0	62.11	26.99	60.66	25.52	56.36	23.31	54.32	22.39	52.76	21.49	47.82	19.27
	-8.5	-9.1	62.56	27.02	60.66	25.30	56.36	23.17	54.32	22.22	52.76	21.37	47.82	19.18
	-7.0	-7.6	63.24	27.08	60.66	24.98	56.36	22.86	54.32	21.90	52.76	21.05	47.82	18.92
	-5.0	-5.6	65.96	26.51	60.66	24.14	56.36	22.14	54.32	21.25	52.76	20.46	47.82	18.33
	-3.0	-3.7	65.96	27.43	60.66	23.26	56.36	21.20	54.32	20.40	52.76	19.73	47.82	17.81
	0.0	-0.7	65.96	27.13	60.66	22.19	56.36	20.48	54.32	19.80	52.76	19.11	47.82	17.40
	3.0	2.2	65.96	25.10	60.66	20.95	56.36	19.27	54.32	19.14	52.76	18.43	47.82	16.76
	5.0	4.1	65.96	22.88	60.66	19.80	56.36	18.42	54.32	18.32	52.76	17.52	47.82	16.36
	7.0	6.0	65.96	20.11	60.66	18.54	56.36	17.21	54.32	16.58	52.76	16.15	47.82	14.73
	9.0	7.9	65.96	19.02	60.66	17.65	56.36	16.49	54.32	15.96	52.76	15.53	47.82	14.31
	11.0	9.8	65.96	18.09	60.66	16.81	56.36	15.82	54.32	15.39	52.76	14.99	47.82	13.93
	13.0	11.8	65.96	17.30	60.66	16.17	56.36	15.24	54.32	14.91	52.76	14.58	47.82	13.57
15.0	13.7	65.96	16.69	60.66	15.66	56.36	14.85	54.32	14.54	52.76	14.28	47.82	13.37	
18.0	16.6	65.96	15.51	60.66	14.55	56.36	13.84	54.32	13.52	52.76	13.27	47.82	12.44	
21.0	19.5	65.96	14.37	60.66	13.50	56.36	12.81	54.32	12.55	52.76	12.29	47.82	11.52	
24.0	22.4	65.96	13.25	60.66	12.44	56.36	11.79	54.32	11.55	52.76	11.32	47.82	10.58	
27.0	25.3	65.96	12.13	60.66	11.40	56.36	10.81	54.32	10.59	52.76	10.40	47.82	9.72	
30.0	28.1	65.96	11.10	60.66	10.40	56.36	9.90	54.32	9.67	52.76	9.48	47.82	8.87	

Abbreviations:  
 CR: Combination ratio  
 TC: Total capacity (kW)  
 PI: Power input (compressor + outdoor fan motor) (kW)  
 Notes:  
 Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.21: 22HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-30.0	-30.5	56.42	28.35	52.14	25.82	49.09	25.56	46.64	24.85	44.71	24.53	41.42	23.79
	-25.0	-25.4	57.57	28.43	53.20	25.84	50.09	25.56	47.59	24.90	45.62	24.48	42.27	23.86
	-19.8	-20.0	57.57	27.05	53.20	24.42	50.09	24.16	47.59	23.47	45.62	23.10	42.27	22.39
	-18.8	-19.0	58.02	26.75	53.20	24.14	50.09	23.93	47.59	23.26	45.62	22.82	42.27	22.16
	-16.7	-17.0	58.02	26.15	53.20	23.67	50.09	23.52	47.59	22.81	45.62	22.43	42.27	21.77
	-13.7	-15.0	58.02	25.67	53.20	23.24	50.09	23.09	47.59	22.40	45.62	21.99	42.27	21.29
	-11.8	-13.0	58.02	25.17	53.20	22.78	50.09	22.70	47.59	22.02	45.62	21.63	42.27	20.91
	-9.8	-11.0	58.02	24.66	53.20	22.33	50.09	22.22	47.59	21.59	45.62	21.19	42.27	20.45
	-9.5	-10.0	58.02	24.41	53.20	22.14	50.09	21.67	47.59	21.01	45.62	20.60	42.27	19.96
	-8.5	-9.1	58.02	24.23	53.20	21.99	50.09	20.96	47.59	20.31	45.62	19.92	42.27	19.17
	-7.0	-7.6	58.02	23.93	53.20	21.66	50.09	20.09	47.59	19.39	45.62	18.99	42.27	18.29
	-5.0	-5.6	58.02	23.15	53.20	21.02	50.09	19.48	47.59	18.83	45.62	18.50	42.27	17.78
	-3.0	-3.7	58.02	21.89	53.20	20.40	50.09	18.94	47.59	18.29	45.62	17.89	42.27	17.16
	0.0	-0.7	58.02	20.74	53.20	19.49	50.09	18.11	47.59	17.47	45.62	17.10	42.27	16.36
	3.0	2.2	58.02	19.57	53.20	18.43	50.09	17.01	47.59	16.43	45.62	16.01	42.27	15.29
	5.0	4.1	58.02	18.66	53.20	17.27	50.09	16.37	47.59	15.76	45.62	15.43	42.27	14.66
	7.0	6.0	58.02	17.94	53.20	16.52	50.09	15.54	47.59	14.98	45.62	14.63	42.27	13.86
	9.0	7.9	58.02	17.15	53.20	15.87	50.09	15.05	47.59	14.45	45.62	14.04	42.27	13.26
	11.0	9.8	58.02	16.53	53.20	15.32	50.09	14.42	47.59	13.82	45.62	13.47	42.27	12.67
	13.0	11.8	58.02	15.87	53.20	14.72	50.09	13.72	47.59	13.14	45.62	12.77	42.27	12.00
15.0	13.7	58.02	15.29	53.20	14.02	50.09	13.20	47.59	12.59	45.62	12.27	42.27	11.45	
18.0	16.6	58.02	14.22	53.20	13.04	50.09	12.25	47.59	11.72	45.62	11.39	42.27	10.66	
21.0	19.5	58.02	13.17	53.20	12.11	50.09	11.34	47.59	10.87	45.62	10.55	42.27	9.87	
24.0	22.4	58.02	12.17	53.20	11.16	50.09	10.48	47.59	10.02	45.62	9.71	42.27	9.08	
27.0	25.3	58.02	11.16	53.20	10.22	50.09	9.60	47.59	9.19	45.62	8.91	42.27	8.34	
30.0	28.1	58.02	10.20	53.20	9.35	50.09	8.77	47.59	8.38	45.62	8.16	42.27	7.60	
60%	-30.0	-30.5	48.89	26.48	44.79	24.54	41.50	23.38	39.93	22.83	38.16	21.91	35.47	21.00
	-25.0	-25.4	49.89	26.53	45.71	24.57	42.35	23.36	40.74	22.81	38.94	21.85	36.19	20.96
	-19.8	-20.0	49.89	25.14	45.71	23.39	42.35	22.52	40.74	21.87	38.94	20.85	36.19	19.86
	-18.8	-19.0	49.89	24.45	45.71	22.57	42.35	21.68	40.74	21.08	38.94	20.03	36.19	19.16
	-16.7	-17.0	49.89	23.73	45.71	21.87	42.35	21.01	40.74	20.27	38.94	19.30	36.19	18.44
	-13.7	-15.0	49.89	22.85	45.71	21.25	42.35	20.35	40.74	19.52	38.94	18.51	36.19	17.66
	-11.8	-13.0	49.89	22.07	45.71	20.42	42.35	19.59	40.74	18.90	38.94	17.76	36.19	16.83
	-9.8	-11.0	49.89	21.33	45.71	19.73	42.35	18.69	40.74	18.02	38.94	16.97	36.19	16.26
	-9.5	-10.0	49.89	20.58	45.71	18.89	42.35	17.90	40.74	17.26	38.94	16.23	36.19	15.38
	-8.5	-9.1	49.89	19.74	45.71	18.22	42.35	17.16	40.74	16.51	38.94	15.52	36.19	14.46
	-7.0	-7.6	49.89	19.03	45.71	17.45	42.35	16.58	40.74	15.95	38.94	14.89	36.19	13.83
	-5.0	-5.6	49.89	18.27	45.71	16.80	42.35	15.76	40.74	15.26	38.94	14.29	36.19	13.20
	-3.0	-3.7	49.89	17.63	45.71	16.12	42.35	15.04	40.74	14.66	38.94	13.65	36.19	12.73
	0.0	-0.7	49.89	16.98	45.71	15.51	42.35	14.36	40.74	13.96	38.94	13.01	36.19	12.46
	3.0	2.2	49.89	16.16	45.71	14.76	42.35	13.83	40.74	13.41	38.94	12.31	36.19	12.04
	5.0	4.1	49.89	15.36	45.71	14.13	42.35	13.31	40.74	12.80	38.94	12.03	36.19	11.79
	7.0	6.0	49.89	14.65	45.71	13.55	42.35	12.68	40.74	12.28	38.94	11.98	36.19	11.53
	9.0	7.9	49.89	14.38	45.71	13.21	42.35	12.47	40.74	12.00	38.94	11.46	36.19	11.04
	11.0	9.8	49.89	14.20	45.71	13.02	42.35	12.15	40.74	11.71	38.94	11.23	36.19	10.83
	13.0	11.8	49.89	13.72	45.71	12.60	42.35	11.76	40.74	11.46	38.94	11.02	36.19	10.61
15.0	13.7	49.89	13.55	45.71	12.35	42.35	11.42	40.74	11.17	38.94	10.71	36.19	10.29	
18.0	16.6	49.89	12.65	45.71	11.49	42.35	10.65	40.74	10.38	38.94	9.96	36.19	9.57	
21.0	19.5	49.89	11.71	45.71	10.63	42.35	9.84	40.74	9.63	38.94	9.24	36.19	8.87	
24.0	22.4	49.89	10.76	45.71	9.80	42.35	9.07	40.74	8.88	38.94	8.52	36.19	8.16	
27.0	25.3	49.89	9.90	45.71	9.01	42.35	8.33	40.74	8.14	38.94	7.81	36.19	7.50	
30.0	28.1	49.89	9.02	45.71	8.21	42.35	7.60	40.74	7.43	38.94	7.13	36.19	6.83	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.21:22HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	40.39	21.71	37.61	20.44	35.30	19.68	33.12	18.88	31.84	18.45	29.52	17.39
	-25.0	-25.4	41.22	21.75	38.38	20.46	36.02	19.70	33.80	18.91	32.49	18.46	30.12	17.41
	-19.8	-20.0	41.22	20.53	38.38	19.52	36.02	18.99	33.80	18.06	32.49	17.58	30.12	16.46
	-18.8	-19.0	41.22	20.03	38.38	18.82	36.02	18.27	33.80	17.45	32.49	16.93	30.12	15.90
	-16.7	-17.0	41.22	19.42	38.38	18.25	36.02	17.71	33.80	16.83	32.49	16.28	30.12	15.24
	-13.7	-15.0	41.22	18.71	38.38	17.73	36.02	17.15	33.80	16.17	32.49	15.68	30.12	14.60
	-11.8	-13.0	41.22	18.09	38.38	17.08	36.02	16.50	33.80	15.64	32.49	15.05	30.12	13.97
	-9.8	-11.0	41.22	17.50	38.38	16.41	36.02	15.72	33.80	14.90	32.49	14.40	30.12	13.44
	-9.5	-10.0	41.22	16.86	38.38	15.77	36.02	15.10	33.80	14.28	32.49	13.78	30.12	12.70
	-8.5	-9.1	41.22	16.13	38.38	15.22	36.02	14.43	33.80	13.66	32.49	13.15	30.12	12.00
	-7.0	-7.6	41.22	15.57	38.38	14.55	36.02	13.97	33.80	13.22	32.49	12.66	30.12	11.46
	-5.0	-5.6	41.22	15.01	38.38	14.00	36.02	13.24	33.80	12.63	32.49	12.16	30.12	10.91
	-3.0	-3.7	41.22	14.47	38.38	13.45	36.02	12.66	33.80	12.13	32.49	11.65	30.12	10.54
	0.0	-0.7	41.22	13.86	38.38	12.93	36.02	12.10	33.80	11.57	32.49	11.07	30.12	10.32
	3.0	2.2	41.22	13.27	38.38	12.31	36.02	11.65	33.80	11.09	32.49	10.53	30.12	10.29
	5.0	4.1	41.22	12.59	38.38	11.79	36.02	11.23	33.80	10.61	32.49	10.28	30.12	10.19
	7.0	6.0	41.22	11.98	38.38	11.29	36.02	10.68	33.80	10.17	32.49	10.12	30.12	9.89
	9.0	7.9	41.22	11.79	38.38	11.02	36.02	10.50	33.80	9.94	32.49	9.71	30.12	9.57
	11.0	9.8	41.22	11.59	38.38	10.86	36.02	10.26	33.80	9.70	32.49	9.54	30.12	9.41
13.0	11.8	41.22	11.27	38.38	10.52	36.02	9.93	33.80	9.46	32.49	9.34	30.12	9.18	
15.0	13.7	41.22	11.10	38.38	10.29	36.02	9.63	33.80	9.26	32.49	9.06	30.12	8.94	
18.0	16.6	41.22	10.35	38.38	9.58	36.02	8.98	33.80	8.59	32.49	8.43	30.12	8.33	
21.0	19.5	41.22	9.58	38.38	8.88	36.02	8.30	33.80	7.95	32.49	7.83	30.12	7.72	
24.0	22.4	41.22	8.84	38.38	8.16	36.02	7.65	33.80	7.33	32.49	7.21	30.12	7.10	
27.0	25.3	41.22	8.09	38.38	7.49	36.02	7.02	33.80	6.73	32.49	6.61	30.12	6.51	
30.0	28.1	41.22	7.40	38.38	6.86	36.02	6.42	33.80	6.15	32.49	6.03	30.12	5.96	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table 2-8.22: 24HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-30.0	-30.5	59.84	19.05	59.44	19.38	58.31	20.16	57.40	20.46	56.85	20.87	57.62	21.56
	-25.0	-25.4	61.06	19.06	60.65	19.32	59.50	20.16	58.57	20.46	58.01	20.85	58.80	21.60
	-19.8	-20.0	64.20	19.59	63.76	19.95	63.63	20.98	62.60	21.31	62.05	21.66	63.02	22.33
	-18.8	-19.0	64.69	19.94	64.25	20.19	64.13	21.15	63.34	21.46	62.54	21.81	63.51	22.49
	-16.7	-17.0	65.68	20.12	65.24	20.59	65.12	21.39	64.32	21.71	63.51	22.07	64.50	22.87
	-13.7	-15.0	66.67	20.41	66.23	20.84	66.12	21.81	65.29	22.06	64.48	22.46	65.49	23.19
	-11.8	-13.0	67.66	20.71	67.22	21.19	67.11	22.18	66.27	22.46	65.45	22.82	66.73	23.56
	-9.8	-11.0	68.65	21.02	68.21	21.55	68.10	22.41	67.25	22.67	66.67	23.09	67.72	23.57
	-9.5	-10.0	69.15	21.34	68.71	21.77	68.84	22.73	67.74	23.01	67.15	23.36	68.21	23.91
	-8.5	-9.1	69.64	21.66	69.19	22.14	69.09	23.02	68.23	23.30	67.64	23.60	68.71	24.20
	-7.0	-7.6	70.39	21.67	69.94	22.41	70.08	23.19	68.96	23.49	68.36	23.99	69.44	24.50
	-5.0	-5.6	75.84	22.59	75.38	23.03	75.27	23.97	74.34	24.35	73.44	24.10	74.64	24.84
	-3.0	-3.7	76.84	23.19	76.37	23.38	76.26	24.33	75.32	24.72	74.41	24.46	75.63	25.15
	0.0	-0.7	78.32	23.86	77.84	23.67	77.75	24.62	76.79	25.06	75.87	24.83	77.35	25.30
	3.0	2.2	86.52	25.19	85.27	25.14	85.18	25.94	83.87	26.10	83.14	26.13	84.52	26.84
	5.0	4.1	107.57	30.48	102.96	30.04	101.52	29.95	96.35	28.66	91.63	28.07	85.75	27.38
	7.0	6.0	109.30	30.67	104.94	29.21	101.52	28.45	96.35	27.46	91.63	26.87	85.75	26.46
	9.0	7.9	109.30	29.18	104.94	27.83	101.52	27.67	96.35	26.92	91.63	26.27	85.75	25.80
	11.0	9.8	109.30	27.79	104.94	26.67	101.52	26.72	96.35	26.02	91.63	25.44	85.75	24.88
	13.0	11.8	109.30	26.49	104.94	25.93	101.52	25.98	96.35	25.60	91.63	24.89	85.75	24.43
15.0	13.7	109.30	25.59	104.94	25.33	101.52	25.26	96.35	24.52	91.63	24.20	85.75	23.53	
18.0	16.6	110.49	24.11	105.74	23.76	102.03	23.61	96.60	22.92	91.67	22.54	85.75	21.84	
21.0	19.5	111.13	22.41	106.03	22.04	102.03	21.87	96.60	21.18	91.67	20.85	85.75	20.26	
24.0	22.4	111.23	20.69	106.03	20.33	102.03	20.11	96.60	19.52	91.67	19.22	85.75	18.62	
27.0	25.3	111.23	19.02	106.03	18.60	102.03	18.49	96.60	17.91	91.67	17.65	85.75	17.10	
30.0	28.1	111.23	17.37	106.03	17.02	102.03	16.88	96.60	16.38	91.67	16.10	85.75	15.60	
120%	-30.0	-30.5	58.13	20.41	58.29	21.28	58.19	22.00	58.55	22.78	57.90	23.09	57.62	23.45
	-25.0	-25.4	59.31	20.35	59.48	21.26	59.37	22.00	59.75	22.75	59.08	23.13	58.79	23.43
	-19.8	-20.0	62.90	20.95	63.08	21.79	62.77	22.38	63.38	23.18	62.71	23.54	62.35	23.92
	-18.8	-19.0	63.38	21.24	63.57	21.80	63.27	22.77	63.88	23.57	63.20	23.87	62.83	24.13
	-16.7	-17.0	64.36	21.58	64.55	22.10	64.24	23.07	64.87	23.86	64.18	24.23	64.06	24.22
	-13.7	-15.0	65.34	21.85	65.53	22.54	65.22	23.20	65.85	23.99	65.41	24.37	65.05	24.49
	-11.8	-13.0	66.31	22.16	66.51	22.85	66.31	23.49	66.85	24.27	66.40	24.67	66.03	24.74
	-9.8	-11.0	67.28	22.30	67.50	23.01	67.44	23.80	67.84	24.49	67.38	24.91	67.01	25.20
	-9.5	-10.0	67.77	22.52	67.99	23.12	67.92	23.91	68.33	24.70	67.87	25.10	67.50	25.49
	-8.5	-9.1	68.26	22.75	68.48	23.41	68.41	24.21	68.83	24.96	68.37	25.37	67.99	25.59
	-7.0	-7.6	68.99	23.11	69.21	23.91	69.15	24.50	69.57	25.25	69.10	25.58	68.73	25.88
	-5.0	-5.6	74.36	23.35	74.61	24.10	74.30	24.73	75.01	25.50	74.51	25.89	74.12	26.28
	-3.0	-3.7	75.33	23.78	75.59	24.49	75.28	25.05	76.01	25.83	75.25	26.19	75.11	26.43
	0.0	-0.7	76.79	24.08	77.07	24.78	76.75	25.26	77.49	26.07	76.97	26.35	76.58	26.65
	3.0	2.2	83.86	25.55	84.43	26.36	84.11	26.50	84.67	27.35	84.11	27.69	78.54	26.33
	5.0	4.1	105.56	28.54	99.89	28.50	92.69	27.95	89.87	27.71	85.83	27.25	78.54	25.57
	7.0	6.0	106.29	28.37	99.89	27.34	92.69	26.54	89.87	26.32	85.83	25.99	78.54	24.92
	9.0	7.9	106.29	27.11	99.89	26.04	92.69	25.80	89.87	25.49	85.83	25.28	78.54	24.17
	11.0	9.8	106.29	26.28	99.89	25.49	92.69	24.85	89.87	24.78	85.83	24.34	78.54	23.24
	13.0	11.8	106.29	25.65	99.89	24.84	92.69	24.21	89.87	24.37	85.83	23.92	78.54	22.77
15.0	13.7	106.29	25.08	99.89	24.17	92.69	23.51	89.87	23.48	85.83	23.09	78.54	21.95	
18.0	16.6	107.45	23.58	100.66	22.66	93.15	21.98	90.11	21.90	85.87	21.55	78.54	20.44	
21.0	19.5	108.08	21.96	100.93	20.97	93.15	20.35	90.11	20.28	85.87	19.93	78.54	18.93	
24.0	22.4	108.17	20.22	100.93	19.33	93.15	18.77	90.11	18.69	85.87	18.35	78.54	17.44	
27.0	25.3	108.17	18.55	100.93	17.75	93.15	17.24	90.11	17.16	85.87	16.86	78.54	16.02	
30.0	28.1	108.17	16.94	100.93	16.20	93.15	15.74	90.11	15.67	85.87	15.38	78.54	14.59	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.22:24HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-30.0	-30.5	58.74	20.91	58.98	21.62	58.23	21.93	59.52	22.08	58.55	22.17	59.27	23.02
	-25.0	-25.4	59.94	20.93	60.18	21.64	59.42	21.93	60.73	22.06	59.75	22.15	60.48	23.05
	-19.8	-20.0	62.53	21.20	62.83	21.93	62.10	22.22	63.37	22.34	62.35	22.49	63.13	23.36
	-18.8	-19.0	63.02	21.55	63.33	22.20	62.59	22.51	63.87	22.35	62.83	22.71	63.62	23.41
	-16.7	-17.0	63.99	21.90	64.31	22.57	63.56	22.87	64.86	22.80	64.06	23.03	64.61	23.76
	-13.7	-15.0	64.96	22.07	65.29	22.78	64.55	23.10	65.87	22.92	65.05	23.10	65.61	24.00
	-11.8	-13.0	65.93	22.42	66.28	23.04	65.76	23.42	66.86	23.22	66.03	23.37	66.61	24.26
	-9.8	-11.0	66.91	22.40	67.25	23.05	66.73	23.40	67.85	23.65	67.01	23.65	67.60	24.58
	-9.5	-10.0	67.40	22.65	67.99	23.34	67.22	23.67	68.35	23.71	67.50	23.95	68.10	24.85
	-8.5	-9.1	67.89	22.87	68.23	23.62	67.71	23.90	68.84	23.90	67.99	24.14	68.59	25.09
	-7.0	-7.6	68.61	23.10	68.97	23.84	68.43	24.11	69.59	24.31	68.73	24.50	69.34	25.20
	-5.0	-5.6	73.97	23.45	74.37	24.17	73.55	24.42	75.05	24.47	74.12	24.61	72.82	24.91
	-3.0	-3.7	74.94	23.62	75.36	24.29	74.53	24.62	76.05	24.67	75.11	24.96	72.82	24.46
	0.0	-0.7	76.40	24.16	76.82	24.85	76.23	25.17	77.55	24.90	76.58	25.13	72.82	24.15
	3.0	2.2	83.46	25.25	84.19	25.93	83.30	26.27	82.76	25.90	78.54	25.30	72.82	23.93
	5.0	4.1	97.33	27.61	91.55	27.69	84.51	25.70	82.76	25.41	78.54	24.70	72.82	23.78
	7.0	6.0	97.33	26.50	91.55	26.11	84.51	24.32	82.76	24.24	78.54	23.51	72.82	23.20
	9.0	7.9	97.33	25.33	91.55	24.76	84.51	23.51	82.76	23.63	78.54	23.05	72.82	22.79
	11.0	9.8	97.33	24.47	91.55	23.82	84.51	22.83	82.76	22.73	78.54	22.27	72.82	22.08
	13.0	11.8	97.33	23.75	91.55	23.08	84.51	22.11	82.76	22.07	78.54	21.53	72.82	21.33
15.0	13.7	97.33	23.05	91.55	22.31	84.51	21.39	82.76	21.36	78.54	20.82	72.82	20.54	
18.0	16.6	98.38	21.63	92.26	20.91	84.94	19.94	82.98	19.90	78.58	19.37	72.82	19.12	
21.0	19.5	98.96	20.15	92.50	19.42	84.94	18.48	82.98	18.45	78.58	17.92	72.82	17.70	
24.0	22.4	99.04	18.62	92.50	17.86	84.94	17.05	82.98	16.97	78.58	16.53	72.82	16.35	
27.0	25.3	99.04	17.09	92.50	16.39	84.94	15.63	82.98	15.57	78.58	15.17	72.82	15.00	
30.0	28.1	99.04	15.57	92.50	14.96	84.94	14.27	82.98	14.23	78.58	13.85	72.82	13.70	
100%	-30.0	-30.5	58.56	26.06	58.37	26.30	57.07	26.23	57.46	26.47	58.03	26.92	57.28	27.03
	-25.0	-25.4	59.75	26.09	59.57	26.30	58.23	26.23	58.64	26.47	59.22	26.89	58.45	26.95
	-19.8	-20.0	62.53	26.09	62.35	26.41	60.95	26.40	61.37	26.48	61.98	26.93	61.19	26.77
	-18.8	-19.0	63.50	26.10	63.32	26.39	61.90	26.46	62.33	26.51	62.95	26.93	62.16	26.60
	-16.7	-17.0	64.47	26.19	64.29	26.42	63.10	26.55	63.30	26.54	63.92	26.97	63.12	26.41
	-13.7	-15.0	65.44	26.26	65.26	26.48	64.05	26.56	64.25	26.60	64.89	27.01	64.08	26.12
	-11.8	-13.0	66.41	26.26	66.23	26.57	65.00	26.64	65.21	26.66	65.86	27.09	64.08	25.84
	-9.8	-11.0	66.89	26.27	66.95	26.63	65.48	26.65	65.94	26.66	66.34	27.07	64.08	25.86
	-9.5	-10.0	67.38	26.35	67.20	26.57	65.95	26.74	66.17	26.67	66.82	27.16	64.08	25.56
	-8.5	-9.1	68.10	26.38	68.17	26.63	66.67	26.83	66.89	26.75	67.55	27.21	64.08	25.20
	-7.0	-7.6	73.43	26.33	73.26	26.64	71.90	27.34	72.17	27.71	70.46	26.64	64.08	25.13
	-5.0	-5.6	74.41	26.37	74.24	26.66	72.86	26.68	72.64	26.95	70.46	25.80	64.08	24.42
	-3.0	-3.7	75.86	26.48	75.70	26.62	74.29	25.80	72.64	25.42	70.46	25.03	64.08	23.59
	0.0	-0.7	77.80	26.45	82.24	26.64	75.00	25.11	72.64	24.21	70.46	23.76	64.08	22.57
	3.0	2.2	82.89	25.97	82.24	26.02	75.00	24.37	72.64	23.09	70.46	22.34	64.08	21.46
	5.0	4.1	87.98	25.49	82.24	24.76	75.00	23.26	72.64	22.02	70.46	21.43	64.08	20.48
	7.0	6.0	87.98	25.16	82.24	23.51	75.00	21.74	72.64	20.83	70.46	20.58	64.08	19.62
	9.0	7.9	87.98	23.73	82.24	22.26	75.00	21.17	72.64	20.32	70.46	19.98	64.08	18.99
	11.0	9.8	87.98	22.25	82.24	20.83	75.00	20.43	72.64	19.53	70.46	19.23	64.08	18.21
	13.0	11.8	87.98	20.83	82.24	20.35	75.00	19.66	72.64	18.78	70.46	18.57	64.08	17.59
15.0	13.7	87.98	19.84	82.24	19.45	75.00	18.93	72.64	18.16	70.46	17.93	64.08	16.85	
18.0	16.6	87.98	18.46	82.24	18.11	75.00	17.61	72.64	16.88	70.46	16.63	64.08	15.71	
21.0	19.5	87.98	17.05	82.24	16.76	75.00	16.29	72.64	15.66	70.46	15.45	64.08	14.54	
24.0	22.4	87.98	15.77	82.24	15.47	75.00	15.03	72.64	14.43	70.46	14.24	64.08	13.42	
27.0	25.3	87.98	14.45	82.24	14.20	75.00	13.80	72.64	13.21	70.46	13.03	64.08	12.27	
30.0	28.1	87.98	13.20	82.24	12.95	75.00	12.59	72.64	12.09	70.46	11.89	64.08	11.24	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.22: 24HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	58.45	26.14	58.64	26.70	58.95	27.24	57.67	26.97	57.73	27.05	58.40	25.93
	-25.0	-25.4	59.64	26.17	59.83	26.62	60.16	27.19	58.85	26.92	58.91	27.08	59.59	25.95
	-19.8	-20.0	62.16	26.61	62.47	27.08	62.76	27.60	61.44	27.18	61.50	27.45	59.59	25.43
	-18.8	-19.0	62.65	26.64	62.95	27.11	63.25	27.71	61.92	27.29	61.98	27.35	59.59	25.13
	-16.7	-17.0	63.63	26.67	63.93	27.22	64.49	27.70	62.90	27.25	62.96	26.81	59.59	24.58
	-13.7	-15.0	64.61	26.71	64.93	27.23	65.49	27.74	63.87	27.28	63.68	26.27	59.59	24.12
	-11.8	-13.0	65.58	26.74	65.91	27.26	66.48	27.83	64.84	26.97	63.68	25.72	59.59	23.63
	-9.8	-11.0	66.55	26.85	67.14	27.30	67.47	27.83	66.05	26.44	63.68	25.24	59.59	23.18
	-9.5	-10.0	67.05	26.89	67.63	27.35	67.97	27.89	66.29	26.12	63.68	24.96	59.59	22.95
	-8.5	-9.1	67.53	26.86	67.87	27.41	68.46	27.85	66.29	25.98	63.68	24.77	59.59	22.75
	-7.0	-7.6	68.26	26.95	68.86	26.97	69.21	27.46	66.29	25.61	63.68	24.42	59.59	22.50
	-5.0	-5.6	73.62	26.97	74.03	25.83	70.45	26.28	66.29	24.70	63.68	23.60	59.59	21.82
	-3.0	-3.7	74.60	26.98	75.01	24.74	70.45	24.94	66.29	23.86	63.68	22.89	59.59	21.22
	0.0	-0.7	76.07	27.05	75.01	23.45	70.45	23.89	66.29	22.67	63.68	21.73	59.59	20.70
	3.0	2.2	79.72	27.08	75.01	22.22	70.45	22.56	66.29	21.81	63.68	20.73	59.59	20.04
	5.0	4.1	79.72	26.42	75.01	21.12	70.45	21.50	66.29	20.71	63.68	19.82	59.59	19.20
	7.0	6.0	79.72	22.92	75.01	20.75	70.45	20.12	66.29	18.96	63.68	18.20	59.59	17.07
	9.0	7.9	79.72	21.51	75.01	20.32	70.45	19.13	66.29	18.08	63.68	17.43	59.59	16.44
	11.0	9.8	79.72	20.30	75.01	19.26	70.45	18.22	66.29	17.25	63.68	16.64	59.59	15.85
	13.0	11.8	79.72	19.19	75.01	18.26	70.45	17.40	66.29	16.53	63.68	16.05	59.59	15.32
15.0	13.7	79.72	18.35	75.01	17.61	70.45	16.84	66.29	16.02	63.68	15.59	59.59	14.97	
18.0	16.6	79.72	17.10	75.01	16.40	70.45	15.67	66.29	14.91	63.68	14.52	59.59	13.91	
21.0	19.5	79.72	15.81	75.01	15.17	70.45	14.46	66.29	13.80	63.68	13.40	59.59	12.88	
24.0	22.4	79.72	14.60	75.01	14.00	70.45	13.33	66.29	12.73	63.68	12.36	59.59	11.87	
27.0	25.3	79.72	13.39	75.01	12.80	70.45	12.27	66.29	11.66	63.68	11.37	59.59	10.91	
30.0	28.1	79.72	12.23	75.01	11.70	70.45	11.17	66.29	10.66	63.68	10.35	59.59	9.96	
80%	-30.0	-30.5	59.45	28.29	59.03	28.54	59.54	27.81	58.94	26.43	56.00	24.97	51.77	22.89
	-25.0	-25.4	60.66	28.32	60.24	28.59	60.75	27.78	60.15	26.48	57.14	25.01	52.83	22.96
	-19.8	-20.0	63.07	27.22	62.64	27.48	62.63	26.57	60.15	25.37	57.14	23.83	52.83	21.80
	-18.8	-19.0	63.56	27.30	63.13	27.48	62.63	26.32	60.15	25.17	57.14	23.66	52.83	21.62
	-16.7	-17.0	64.55	27.31	64.13	27.52	62.63	25.82	60.15	24.58	57.14	23.11	52.83	21.13
	-13.7	-15.0	65.55	27.40	65.11	27.50	62.63	25.28	60.15	24.10	57.14	22.67	52.83	20.78
	-11.8	-13.0	66.54	27.38	66.10	27.01	62.63	24.76	60.15	23.69	57.14	22.27	52.83	20.39
	-9.8	-11.0	67.53	27.41	67.09	26.46	62.63	24.34	60.15	23.17	57.14	21.81	52.83	19.97
	-9.5	-10.0	68.03	27.49	67.09	26.23	62.63	24.10	60.15	22.99	57.14	21.65	52.83	19.80
	-8.5	-9.1	68.52	27.47	67.09	26.01	62.63	23.92	60.15	22.76	57.14	21.44	52.83	19.62
	-7.0	-7.6	69.28	27.53	67.09	25.62	62.63	23.53	60.15	22.47	57.14	21.16	52.83	19.38
	-5.0	-5.6	72.26	26.93	67.09	24.79	62.63	22.81	60.15	21.76	57.14	20.51	52.83	18.85
	-3.0	-3.7	72.26	27.86	67.09	23.89	62.63	21.87	60.15	20.93	57.14	19.76	52.83	18.29
	0.0	-0.7	72.26	27.51	67.09	22.74	62.63	21.10	60.15	20.34	57.14	19.18	52.83	17.84
	3.0	2.2	72.26	25.50	67.09	21.48	62.63	19.91	60.15	19.62	57.14	18.45	52.83	17.20
	5.0	4.1	72.26	23.27	67.09	20.31	62.63	18.95	60.15	18.85	57.14	17.62	52.83	16.77
	7.0	6.0	72.26	20.43	67.09	19.00	62.63	17.76	60.15	17.06	57.14	16.16	52.83	15.07
	9.0	7.9	72.26	19.38	67.09	18.08	62.63	17.01	60.15	16.43	57.14	15.61	52.83	14.66
	11.0	9.8	72.26	18.36	67.09	17.27	62.63	16.32	60.15	15.79	57.14	15.10	52.83	14.25
	13.0	11.8	72.26	17.58	67.09	16.58	62.63	15.73	60.15	15.30	57.14	14.65	52.83	13.91
15.0	13.7	72.26	16.93	67.09	16.08	62.63	15.29	60.15	14.91	57.14	14.33	52.83	13.68	
18.0	16.6	72.26	15.77	67.09	14.92	62.63	14.22	60.15	13.88	57.14	13.31	52.83	12.74	
21.0	19.5	72.26	14.60	67.09	13.84	62.63	13.20	60.15	12.88	57.14	12.33	52.83	11.78	
24.0	22.4	72.26	13.43	67.09	12.73	62.63	12.14	60.15	11.87	57.14	11.36	52.83	10.86	
27.0	25.3	72.26	12.34	67.09	11.70	62.63	11.14	60.15	10.86	57.14	10.44	52.83	9.98	
30.0	28.1	72.26	11.27	67.09	10.69	62.63	10.20	60.15	9.94	57.14	9.52	52.83	9.09	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.22:24HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-30.0	-30.5	60.79	28.38	57.72	26.51	53.83	26.03	50.60	25.04	49.64	25.26	44.54	23.77
	-25.0	-25.4	62.03	28.38	58.90	26.51	54.93	26.08	51.64	25.01	50.65	25.21	45.45	23.77
	-19.8	-20.0	62.03	26.97	58.90	25.11	54.93	24.63	51.64	23.63	50.65	23.76	45.45	22.36
	-18.8	-19.0	62.53	26.77	58.90	24.84	54.93	24.31	51.64	23.40	50.65	23.51	45.45	22.05
	-16.7	-17.0	62.53	26.14	58.90	24.31	54.93	23.92	51.64	22.97	50.65	23.12	45.45	21.68
	-13.7	-15.0	62.53	25.63	58.90	23.86	54.93	23.41	51.64	22.49	50.65	22.60	45.45	21.26
	-11.8	-13.0	62.53	25.11	58.90	23.39	54.93	23.02	51.64	22.12	50.65	22.21	45.45	20.83
	-9.8	-11.0	62.53	24.64	58.90	22.93	54.93	22.65	51.64	21.74	50.65	21.79	45.45	20.40
	-9.5	-10.0	62.53	24.47	58.90	22.78	54.93	22.05	51.64	21.16	50.65	21.26	45.45	19.91
	-8.5	-9.1	62.53	24.24	58.90	22.58	54.93	21.32	51.64	20.40	50.65	20.48	45.45	19.18
	-7.0	-7.6	62.53	23.85	58.90	22.20	54.93	20.37	51.64	19.52	50.65	19.62	45.45	18.24
	-5.0	-5.6	62.53	23.11	58.90	21.54	54.93	19.86	51.64	18.97	50.65	19.03	45.45	17.71
	-3.0	-3.7	62.53	21.89	58.90	20.95	54.93	19.26	51.64	18.44	50.65	18.48	45.45	17.16
	0.0	-0.7	62.53	20.75	58.90	20.02	54.93	18.42	51.64	17.59	50.65	17.66	45.45	16.36
	3.0	2.2	62.53	19.60	58.90	18.93	54.93	17.30	51.64	16.50	50.65	16.54	45.45	15.24
	5.0	4.1	62.53	18.65	58.90	17.68	54.93	16.64	51.64	15.86	50.65	15.84	45.45	14.59
	7.0	6.0	62.53	17.93	58.90	16.94	54.93	15.82	51.64	15.07	50.65	15.03	45.45	13.80
	9.0	7.9	62.53	17.14	58.90	16.30	54.93	15.26	51.64	14.49	50.65	14.49	45.45	13.26
	11.0	9.8	62.53	16.52	58.90	15.74	54.93	14.65	51.64	13.90	50.65	13.85	45.45	12.65
	13.0	11.8	62.53	15.86	58.90	15.11	54.93	13.97	51.64	13.22	50.65	13.16	45.45	11.97
15.0	13.7	62.53	15.31	58.90	14.40	54.93	13.44	51.64	12.68	50.65	12.60	45.45	11.44	
18.0	16.6	62.53	14.26	58.90	13.44	54.93	12.51	51.64	11.78	50.65	11.73	45.45	10.63	
21.0	19.5	62.53	13.18	58.90	12.44	54.93	11.58	51.64	10.94	50.65	10.87	45.45	9.83	
24.0	22.4	62.53	12.16	58.90	11.43	54.93	10.65	51.64	10.06	50.65	10.02	45.45	9.06	
27.0	25.3	62.53	11.15	58.90	10.50	54.93	9.77	51.64	9.25	50.65	9.18	45.45	8.31	
30.0	28.1	62.53	10.18	58.90	9.60	54.93	8.93	51.64	8.42	50.65	8.39	45.45	7.59	
60%	-30.0	-30.5	52.58	26.48	48.55	24.68	45.94	24.07	43.44	23.09	41.81	22.27	38.90	21.36
	-25.0	-25.4	53.66	26.45	49.54	24.65	46.88	24.02	44.32	23.06	42.67	22.25	39.69	21.34
	-19.8	-20.0	53.66	25.00	49.54	23.53	46.88	23.13	44.32	22.01	42.67	21.19	39.69	20.25
	-18.8	-19.0	53.66	24.36	49.54	22.70	46.88	22.26	44.32	21.30	42.67	20.38	39.69	19.47
	-16.7	-17.0	53.66	23.67	49.54	22.04	46.88	21.62	44.32	20.48	42.67	19.58	39.69	18.75
	-13.7	-15.0	53.66	22.82	49.54	21.33	46.88	20.90	44.32	19.71	42.67	18.81	39.69	17.95
	-11.8	-13.0	53.66	21.99	49.54	20.57	46.88	20.14	44.32	19.02	42.67	18.07	39.69	17.16
	-9.8	-11.0	53.66	21.33	49.54	19.84	46.88	19.17	44.32	18.16	42.67	17.26	39.69	16.51
	-9.5	-10.0	53.66	20.53	49.54	18.98	46.88	18.37	44.32	17.42	42.67	16.52	39.69	15.59
	-8.5	-9.1	53.66	19.66	49.54	18.30	46.88	17.64	44.32	16.64	42.67	15.75	39.69	14.69
	-7.0	-7.6	53.66	18.92	49.54	17.55	46.88	17.00	44.32	16.06	42.67	15.15	39.69	14.09
	-5.0	-5.6	53.66	18.24	49.54	16.88	46.88	16.19	44.32	15.43	42.67	14.53	39.69	13.43
	-3.0	-3.7	53.66	17.64	49.54	16.20	46.88	15.44	44.32	14.80	42.67	13.87	39.69	12.92
	0.0	-0.7	53.66	16.92	49.54	15.59	46.88	14.73	44.32	14.07	42.67	13.21	39.69	12.67
	3.0	2.2	53.66	16.11	49.54	14.81	46.88	14.17	44.32	13.53	42.67	12.52	39.69	12.21
	5.0	4.1	53.66	15.29	49.54	14.18	46.88	13.64	44.32	12.90	42.67	12.22	39.69	11.96
	7.0	6.0	53.66	14.59	49.54	13.58	46.88	13.03	44.32	12.38	42.67	12.15	39.69	11.73
	9.0	7.9	53.66	14.38	49.54	13.31	46.88	12.84	44.32	12.08	42.67	11.66	39.69	11.24
	11.0	9.8	53.66	14.14	49.54	13.11	46.88	12.49	44.32	11.81	42.67	11.40	39.69	10.99
	13.0	11.8	53.66	13.70	49.54	12.68	46.88	12.08	44.32	11.55	42.67	11.19	39.69	10.77
15.0	13.7	53.66	13.55	49.54	12.41	46.88	11.72	44.32	11.28	42.67	10.87	39.69	10.45	
18.0	16.6	53.66	12.58	49.54	11.52	46.88	10.91	44.32	10.51	42.67	10.13	39.69	9.75	
21.0	19.5	53.66	11.64	49.54	10.67	46.88	10.12	44.32	9.70	42.67	9.39	39.69	9.00	
24.0	22.4	53.66	10.76	49.54	9.86	46.88	9.30	44.32	8.97	42.67	8.65	39.69	8.31	
27.0	25.3	53.66	9.85	49.54	9.03	46.88	8.55	44.32	8.23	42.67	7.94	39.69	7.63	
30.0	28.1	53.66	9.00	49.54	8.24	46.88	7.79	44.32	7.49	42.67	7.25	39.69	6.95	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.22: 24HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	43.44	21.66	41.29	20.83	38.45	19.94	36.35	19.28	34.60	18.61	31.75	17.30
	-25.0	-25.4	44.32	21.69	42.13	20.83	39.23	19.92	37.10	19.28	35.31	18.59	32.40	17.35
	-19.8	-20.0	44.32	20.50	42.13	19.85	39.23	19.12	37.10	18.43	35.31	17.77	32.40	16.43
	-18.8	-19.0	44.32	19.99	42.13	19.17	39.23	18.47	37.10	17.79	35.31	17.04	32.40	15.84
	-16.7	-17.0	44.32	19.33	42.13	18.59	39.23	17.90	37.10	17.10	35.31	16.44	32.40	15.19
	-13.7	-15.0	44.32	18.71	42.13	18.05	39.23	17.36	37.10	16.47	35.31	15.78	32.40	14.59
	-11.8	-13.0	44.32	18.05	42.13	17.35	39.23	16.68	37.10	15.88	35.31	15.17	32.40	13.92
	-9.8	-11.0	44.32	17.47	42.13	16.76	39.23	15.87	37.10	15.19	35.31	14.50	32.40	13.42
	-9.5	-10.0	44.32	16.80	42.13	16.05	39.23	15.21	37.10	14.51	35.31	13.89	32.40	12.67
	-8.5	-9.1	44.32	16.11	42.13	15.49	39.23	14.59	37.10	13.90	35.31	13.26	32.40	11.96
	-7.0	-7.6	44.32	15.53	42.13	14.84	39.23	14.10	37.10	13.42	35.31	12.78	32.40	11.43
	-5.0	-5.6	44.32	14.97	42.13	14.29	39.23	13.37	37.10	12.87	35.31	12.25	32.40	10.91
	-3.0	-3.7	44.32	14.45	42.13	13.69	39.23	12.81	37.10	12.36	35.31	11.73	32.40	10.52
	0.0	-0.7	44.32	13.84	42.13	13.19	39.23	12.23	37.10	11.79	35.31	11.16	32.40	10.31
	3.0	2.2	44.32	13.21	42.13	12.56	39.23	11.75	37.10	11.28	35.31	10.60	32.40	10.27
	5.0	4.1	44.32	12.55	42.13	12.02	39.23	11.32	37.10	10.78	35.31	10.39	32.40	10.15
	7.0	6.0	44.32	11.97	42.13	11.48	39.23	10.79	37.10	10.34	35.31	10.22	32.40	9.84
	9.0	7.9	44.32	11.77	42.13	11.25	39.23	10.62	37.10	10.09	35.31	9.79	32.40	9.56
	11.0	9.8	44.32	11.60	42.13	11.09	39.23	10.36	37.10	9.88	35.31	9.60	32.40	9.38
13.0	11.8	44.32	11.21	42.13	10.68	39.23	10.04	37.10	9.63	35.31	9.42	32.40	9.16	
15.0	13.7	44.32	11.08	42.13	10.48	39.23	9.72	37.10	9.42	35.31	9.16	32.40	8.92	
18.0	16.6	44.32	10.30	42.13	9.77	39.23	9.05	37.10	8.75	35.31	8.52	32.40	8.31	
21.0	19.5	44.32	9.56	42.13	9.04	39.23	8.39	37.10	8.10	35.31	7.89	32.40	7.67	
24.0	22.4	44.32	8.79	42.13	8.32	39.23	7.74	37.10	7.47	35.31	7.26	32.40	7.07	
27.0	25.3	44.32	8.09	42.13	7.63	39.23	7.09	37.10	6.87	35.31	6.66	32.40	6.50	
30.0	28.1	44.32	7.38	42.13	6.96	39.23	6.48	37.10	6.25	35.31	6.09	32.40	5.94	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.23:26HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-30.0	-30.5	63.61	21.54	63.84	22.13	62.57	23.01	63.03	23.92	62.97	24.60	62.42	24.84
	-25.0	-25.4	64.91	21.58	65.15	22.13	63.85	23.01	64.32	23.94	64.26	24.57	63.70	24.84
	-19.8	-20.0	68.23	22.11	68.49	22.74	68.29	23.93	68.74	24.85	68.74	25.55	68.28	25.77
	-18.8	-19.0	68.75	22.56	69.01	23.06	68.82	24.16	69.55	25.05	69.28	25.78	68.81	25.89
	-16.7	-17.0	69.80	22.76	70.08	23.45	69.88	24.41	70.63	25.33	70.36	26.01	69.88	26.34
	-13.7	-15.0	70.86	23.05	71.14	23.83	70.94	24.90	71.70	25.77	71.43	26.43	70.95	26.67
	-11.8	-13.0	71.91	23.42	72.20	24.24	72.01	25.28	72.77	26.26	72.50	26.92	72.29	27.15
	-9.8	-11.0	72.96	23.77	73.26	24.69	73.07	25.54	73.84	26.53	73.84	27.21	73.37	27.14
	-9.5	-10.0	73.49	24.11	73.80	24.86	73.87	25.94	74.38	26.95	74.38	27.61	73.90	27.52
	-8.5	-9.1	74.01	24.43	74.32	25.24	74.14	26.25	74.92	27.19	74.92	27.90	74.44	27.87
	-7.0	-7.6	74.81	24.49	75.12	25.64	75.20	26.47	75.73	27.38	75.73	28.22	75.24	28.28
	-5.0	-5.6	80.60	25.57	80.97	26.37	80.78	27.30	81.64	28.45	81.37	28.48	80.86	28.62
	-3.0	-3.7	81.66	26.15	82.03	26.79	81.84	27.77	82.71	28.96	82.44	28.85	81.93	28.89
	0.0	-0.7	83.23	26.92	83.62	27.03	83.44	28.09	84.32	29.21	84.05	29.29	83.81	29.21
	3.0	2.2	91.95	28.54	91.59	28.78	91.41	29.55	92.11	30.45	92.11	30.83	91.57	30.99
	5.0	4.1	114.32	34.45	110.59	34.28	108.94	34.14	105.80	33.47	101.50	33.10	92.91	31.57
	7.0	6.0	116.17	34.77	112.71	33.39	108.94	32.57	105.80	31.98	101.50	31.73	92.91	30.46
	9.0	7.9	116.17	33.04	112.71	31.77	108.94	31.55	105.80	31.45	101.50	30.87	92.91	29.82
	11.0	9.8	116.17	31.37	112.71	30.44	108.94	30.41	105.80	30.40	101.50	30.01	92.91	28.59
	13.0	11.8	116.17	29.90	112.71	29.62	108.94	29.65	105.80	29.91	101.50	29.35	92.91	28.16
15.0	13.7	116.17	29.00	112.71	28.93	108.94	28.77	105.80	28.71	101.50	28.51	92.91	27.04	
18.0	16.6	117.43	27.19	113.57	27.12	109.49	26.87	106.08	26.72	101.56	26.53	92.91	25.18	
21.0	19.5	118.11	25.32	113.88	25.20	109.49	24.88	106.08	24.77	101.56	24.59	92.91	23.32	
24.0	22.4	118.22	23.40	113.88	23.23	109.49	22.95	106.08	22.80	101.56	22.62	92.91	21.47	
27.0	25.3	118.22	21.49	113.88	21.25	109.49	21.06	106.08	20.94	101.56	20.79	92.91	19.70	
30.0	28.1	118.22	19.57	113.88	19.44	109.49	19.25	106.08	19.14	101.56	18.99	92.91	18.04	
120%	-30.0	-30.5	63.05	23.49	62.79	24.38	63.83	25.68	63.02	26.02	62.79	26.64	63.08	27.25
	-25.0	-25.4	64.34	23.47	64.07	24.35	65.13	25.68	64.30	26.07	64.08	26.66	64.37	27.25
	-19.8	-20.0	68.21	24.11	67.94	24.92	68.86	26.09	68.21	26.48	68.01	27.12	68.27	27.83
	-18.8	-19.0	68.74	24.47	68.48	25.03	69.40	26.59	68.74	26.97	68.54	27.62	68.80	28.11
	-16.7	-17.0	69.79	24.83	69.54	25.39	70.49	26.90	69.81	27.28	69.61	27.92	70.15	28.24
	-13.7	-15.0	70.86	25.16	70.59	25.90	71.56	27.10	70.87	27.38	70.94	28.10	71.22	28.47
	-11.8	-13.0	71.91	25.58	71.65	26.10	72.75	27.46	71.94	27.73	72.01	28.45	72.30	28.82
	-9.8	-11.0	72.97	25.70	72.71	26.28	73.98	27.74	73.00	28.09	73.07	28.73	73.37	29.35
	-9.5	-10.0	73.50	26.01	73.24	26.53	74.52	27.95	73.54	28.25	73.61	28.92	73.91	29.75
	-8.5	-9.1	74.02	26.24	73.77	26.85	75.06	28.22	74.08	28.54	74.15	29.26	74.45	29.78
	-7.0	-7.6	74.82	26.72	74.56	27.36	75.86	28.51	74.87	28.90	74.94	29.58	75.25	30.12
	-5.0	-5.6	80.64	26.95	80.37	27.60	81.52	28.89	80.74	29.14	80.82	29.78	81.17	30.66
	-3.0	-3.7	81.70	27.43	81.43	28.03	82.59	29.26	81.80	29.51	81.61	30.15	82.24	30.81
	0.0	-0.7	83.28	27.74	83.02	28.35	84.20	29.51	83.39	29.81	83.48	30.42	83.85	30.94
	3.0	2.2	90.95	29.43	90.95	30.15	92.27	30.96	91.13	31.30	91.22	31.98	86.00	30.69
	5.0	4.1	114.48	32.93	107.60	32.62	101.69	32.62	96.72	31.65	93.08	31.43	86.00	29.70
	7.0	6.0	115.28	32.72	107.60	31.21	101.69	31.06	96.72	30.19	93.08	30.07	86.00	29.03
	9.0	7.9	115.28	31.36	107.60	29.88	101.69	30.03	96.72	29.22	93.08	29.18	86.00	28.09
	11.0	9.8	115.28	30.25	107.60	29.26	101.69	29.09	96.72	28.34	93.08	28.12	86.00	27.05
	13.0	11.8	115.28	29.55	107.60	28.46	101.69	28.27	96.72	27.85	93.08	27.64	86.00	26.54
15.0	13.7	115.28	28.93	107.60	27.64	101.69	27.47	96.72	26.82	93.08	26.70	86.00	25.57	
18.0	16.6	116.53	27.17	108.43	25.93	102.20	25.65	96.98	25.09	93.13	24.85	86.00	23.83	
21.0	19.5	117.21	25.36	108.72	24.03	102.20	23.73	96.98	23.16	93.13	22.94	86.00	22.02	
24.0	22.4	117.31	23.32	108.72	22.15	102.20	21.93	96.98	21.41	93.13	21.17	86.00	20.32	
27.0	25.3	117.31	21.42	108.72	20.34	102.20	20.06	96.98	19.64	93.13	19.44	86.00	18.64	
30.0	28.1	117.31	19.56	108.72	18.57	102.20	18.32	96.98	17.89	93.13	17.74	86.00	17.02	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.23: 26HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-30.0	-30.5	63.64	24.12	64.15	25.04	63.84	25.56	63.25	24.88	64.12	25.81	64.15	26.55
	-25.0	-25.4	64.94	24.12	65.46	25.01	65.14	25.58	64.54	24.95	65.43	25.88	65.46	26.50
	-19.8	-20.0	67.75	24.51	68.34	25.39	68.08	25.94	67.36	25.24	68.27	26.17	68.33	26.86
	-18.8	-19.0	68.28	24.81	68.87	25.69	68.60	26.31	67.88	25.33	68.80	26.51	68.86	26.95
	-16.7	-17.0	69.34	25.16	69.95	26.10	69.68	26.70	68.94	25.82	70.15	26.83	69.94	27.35
	-13.7	-15.0	70.38	25.47	71.01	26.35	70.74	26.90	69.99	25.90	71.22	26.90	71.02	27.61
	-11.8	-13.0	71.44	25.84	72.08	26.71	72.08	27.31	71.05	26.16	72.30	27.27	72.10	27.88
	-9.8	-11.0	72.49	25.76	73.14	26.71	73.14	27.26	72.10	26.73	73.37	27.52	73.17	28.30
	-9.5	-10.0	73.02	26.05	73.95	26.97	73.68	27.54	72.64	26.76	73.91	27.89	73.71	28.56
	-8.5	-9.1	73.55	26.41	74.22	27.27	74.22	27.85	73.17	26.99	74.45	28.15	74.25	28.93
	-7.0	-7.6	74.34	26.61	75.01	27.58	75.01	28.15	73.95	27.45	75.25	28.51	75.06	28.93
	-5.0	-5.6	80.14	26.97	80.89	27.88	80.63	28.51	79.77	27.71	81.17	28.64	78.82	28.68
	-3.0	-3.7	81.20	27.17	81.96	28.09	81.69	28.70	80.82	27.98	82.24	29.04	78.82	28.21
	0.0	-0.7	82.77	27.82	83.56	28.77	83.56	29.40	82.41	28.20	83.85	29.33	78.82	27.73
	3.0	2.2	90.42	29.09	91.56	30.07	91.30	30.64	87.96	29.30	86.00	29.52	78.82	27.52
	5.0	4.1	105.44	31.75	99.58	32.04	92.64	29.93	87.96	28.80	86.00	28.75	78.82	27.46
	7.0	6.0	105.44	30.54	99.58	30.27	92.64	28.36	87.96	27.39	86.00	27.40	78.82	26.75
	9.0	7.9	105.44	29.15	99.58	28.61	92.64	27.41	87.96	26.63	86.00	26.80	78.82	26.24
	11.0	9.8	105.44	28.17	99.58	27.59	92.64	26.62	87.96	25.71	86.00	25.98	78.82	25.37
	13.0	11.8	105.44	27.31	99.58	26.72	92.64	25.75	87.96	24.97	86.00	25.10	78.82	24.53
15.0	13.7	105.44	26.54	99.58	25.82	92.64	24.90	87.96	24.11	86.00	24.25	78.82	23.66	
18.0	16.6	106.59	24.93	100.34	24.18	93.10	23.32	88.19	22.49	86.04	22.53	78.82	22.01	
21.0	19.5	107.21	23.24	100.61	22.45	93.10	21.55	88.19	20.80	86.04	20.90	78.82	20.38	
24.0	22.4	107.31	21.42	100.61	20.73	93.10	19.84	88.19	19.15	86.04	19.24	78.82	18.82	
27.0	25.3	107.31	19.69	100.61	18.98	93.10	18.22	88.19	17.61	86.04	17.67	78.82	17.23	
30.0	28.1	107.31	17.95	100.61	17.32	93.10	16.64	88.19	16.06	86.04	16.11	78.82	15.74	
100%	-30.0	-30.5	63.51	30.10	63.37	30.45	62.00	30.36	63.05	30.84	62.56	30.87	62.06	31.15
	-25.0	-25.4	64.80	30.07	64.67	30.36	63.27	30.39	64.34	30.93	63.84	30.87	63.32	31.12
	-19.8	-20.0	67.81	30.04	67.68	30.49	66.23	30.55	67.35	30.97	66.82	30.81	66.31	30.93
	-18.8	-19.0	68.87	30.17	68.74	30.56	67.27	30.62	68.41	30.95	67.87	30.85	67.34	30.59
	-16.7	-17.0	69.91	30.12	69.79	30.51	68.56	30.69	69.45	30.99	68.91	31.02	68.39	30.47
	-13.7	-15.0	70.97	30.19	70.85	30.63	69.60	30.76	70.51	31.08	69.96	31.03	69.42	30.11
	-11.8	-13.0	72.02	30.23	71.89	30.71	70.63	30.77	71.56	31.16	71.00	31.02	69.42	29.83
	-9.8	-11.0	72.55	30.32	72.69	30.65	71.15	30.77	72.35	31.13	71.52	31.13	69.42	29.76
	-9.5	-10.0	73.07	30.39	72.95	30.74	71.67	30.91	72.62	31.16	72.05	31.17	69.42	29.51
	-8.5	-9.1	73.86	30.34	74.00	30.78	72.44	30.98	73.41	31.20	72.84	31.10	69.42	29.00
	-7.0	-7.6	79.65	30.46	79.54	30.70	78.14	31.60	79.20	32.30	75.96	30.55	69.42	28.99
	-5.0	-5.6	80.69	30.44	80.59	30.78	79.17	30.87	79.72	31.45	75.96	29.58	69.42	28.09
	-3.0	-3.7	82.27	30.54	82.16	30.77	80.72	29.85	79.72	29.58	75.96	28.70	69.42	27.21
	0.0	-0.7	84.37	30.51	89.28	30.79	81.50	29.05	79.72	28.26	75.96	27.24	69.42	26.02
	3.0	2.2	89.90	29.93	89.28	30.08	81.50	28.16	79.72	26.86	75.96	25.62	69.42	24.73
	5.0	4.1	95.41	29.43	89.28	28.55	81.50	26.83	79.72	25.66	75.96	24.62	69.42	23.65
	7.0	6.0	95.41	29.06	89.28	27.14	81.50	25.15	79.72	24.34	75.96	23.58	69.42	22.63
	9.0	7.9	95.41	27.43	89.28	25.70	81.50	24.47	79.72	23.73	75.96	22.88	69.42	21.91
	11.0	9.8	95.41	25.61	89.28	24.07	81.50	23.64	79.72	22.80	75.96	22.06	69.42	20.94
	13.0	11.8	95.41	24.00	89.28	23.51	81.50	22.72	79.72	21.97	75.96	21.33	69.42	20.21
15.0	13.7	95.41	22.90	89.28	22.51	81.50	21.86	79.71	21.19	75.96	20.52	69.42	19.42	
18.0	16.6	95.41	21.30	89.28	20.94	81.50	20.34	79.71	19.73	75.96	19.12	69.42	18.06	
21.0	19.5	95.41	19.69	89.28	19.35	81.50	18.83	79.71	18.22	75.96	17.67	69.42	16.76	
24.0	22.4	95.41	18.16	89.28	17.83	81.50	17.36	79.71	16.81	75.96	16.29	69.42	15.44	
27.0	25.3	95.41	16.66	89.28	16.38	81.50	15.95	79.71	15.45	75.96	14.96	69.42	14.17	
30.0	28.1	95.41	15.19	89.28	14.97	81.50	14.56	79.71	14.10	75.96	13.67	69.42	12.94	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.23:26HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	63.82	30.39	63.65	30.74	63.39	31.05	63.40	31.52	62.67	31.23	61.95	29.23
	-25.0	-25.4	65.12	30.39	64.95	30.80	64.68	31.12	64.69	31.52	63.95	31.33	63.21	29.23
	-19.8	-20.0	67.88	30.90	67.81	31.33	67.48	31.65	67.54	31.79	66.76	31.66	63.21	28.60
	-18.8	-19.0	68.41	30.97	68.34	31.36	68.01	31.70	68.08	31.82	67.29	31.52	63.21	28.33
	-16.7	-17.0	69.48	30.98	69.41	31.40	69.34	31.74	69.14	31.92	68.34	30.86	63.21	27.75
	-13.7	-15.0	70.54	31.07	70.47	31.41	70.40	31.71	70.21	31.99	69.14	30.27	63.21	27.25
	-11.8	-13.0	71.61	31.06	71.55	31.54	71.48	31.85	71.28	31.57	69.14	29.64	63.21	26.66
	-9.8	-11.0	72.67	31.10	72.88	31.61	72.54	31.82	72.61	30.88	69.14	29.15	63.21	26.20
	-9.5	-10.0	73.20	31.23	73.41	31.52	73.07	31.83	72.88	30.59	69.14	28.82	63.21	25.94
	-8.5	-9.1	73.74	31.27	73.68	31.62	73.61	31.85	72.88	30.38	69.14	28.59	63.21	25.69
	-7.0	-7.6	74.53	31.30	74.74	31.23	74.41	31.37	72.88	29.88	69.14	28.16	63.21	25.35
	-5.0	-5.6	80.39	31.29	80.36	29.85	75.74	30.00	72.88	28.94	69.14	27.28	63.21	24.59
	-3.0	-3.7	81.45	31.34	81.42	28.48	75.74	28.57	72.88	27.82	69.14	26.36	63.21	23.96
	0.0	-0.7	83.05	31.38	81.42	27.05	75.74	27.30	72.88	26.51	69.14	25.11	63.21	23.33
	3.0	2.2	87.04	31.45	81.42	25.67	75.74	25.75	72.88	25.53	69.14	23.98	63.21	22.56
	5.0	4.1	87.04	30.71	81.42	24.36	75.74	24.58	72.88	24.24	69.14	22.87	63.21	21.70
	7.0	6.0	87.04	26.67	81.42	23.92	75.74	23.06	72.88	22.16	69.14	21.08	63.21	19.27
	9.0	7.9	87.04	25.05	81.42	23.53	75.74	21.90	72.88	21.14	69.14	20.10	63.21	18.57
	11.0	9.8	87.04	23.58	81.42	22.22	75.74	20.81	72.88	20.17	69.14	19.21	63.21	17.87
	13.0	11.8	87.04	22.30	81.42	21.08	75.74	19.87	72.88	19.29	69.14	18.48	63.21	17.32
15.0	13.7	87.04	21.31	81.42	20.32	75.74	19.20	72.88	18.74	69.14	17.97	63.21	16.92	
18.0	16.6	87.04	19.82	81.42	18.94	75.74	17.91	72.88	17.41	69.14	16.71	63.21	15.74	
21.0	19.5	87.04	18.36	81.42	17.48	75.74	16.57	72.88	16.12	69.14	15.49	63.21	14.53	
24.0	22.4	87.04	16.95	81.42	16.16	75.74	15.24	72.88	14.87	69.14	14.29	63.21	13.43	
27.0	25.3	87.04	15.52	81.42	14.78	75.74	14.00	72.88	13.62	69.14	13.11	63.21	12.32	
30.0	28.1	87.04	14.22	81.42	13.53	75.74	12.78	72.88	12.46	69.14	11.99	63.21	11.23	
80%	-30.0	-30.5	63.12	31.95	62.92	32.31	63.70	31.67	63.74	30.44	60.13	28.60	56.26	26.46
	-25.0	-25.4	64.40	31.92	64.20	32.40	65.00	31.67	65.04	30.41	61.36	28.57	57.41	26.46
	-19.8	-20.0	66.96	30.76	66.76	31.05	67.01	30.32	65.04	29.24	61.36	27.26	57.41	25.17
	-18.8	-19.0	67.48	30.79	67.29	31.11	67.01	29.98	65.04	28.86	61.36	26.97	57.41	24.98
	-16.7	-17.0	68.54	30.83	68.34	31.15	67.01	29.32	65.04	28.30	61.36	26.45	57.41	24.46
	-13.7	-15.0	69.59	30.93	69.40	31.19	67.01	28.74	65.04	27.75	61.36	25.96	57.41	23.97
	-11.8	-13.0	70.65	30.91	70.45	30.58	67.01	28.19	65.04	27.16	61.36	25.38	57.41	23.50
	-9.8	-11.0	71.70	30.94	71.51	30.00	67.01	27.64	65.04	26.67	61.36	24.91	57.41	23.12
	-9.5	-10.0	72.23	30.98	71.51	29.68	67.01	27.40	65.04	26.44	61.36	24.73	57.41	22.90
	-8.5	-9.1	72.76	30.99	71.51	29.45	67.01	27.21	65.04	26.24	61.36	24.47	57.41	22.67
	-7.0	-7.6	73.55	31.05	71.51	29.07	67.01	26.77	65.04	25.86	61.36	24.16	57.41	22.42
	-5.0	-5.6	76.71	30.50	71.51	28.05	67.01	25.95	65.04	25.07	61.36	23.43	57.41	21.76
	-3.0	-3.7	76.71	31.46	71.51	27.10	67.01	24.87	65.04	24.13	61.36	22.62	57.41	21.15
	0.0	-0.7	76.71	31.08	71.51	25.80	67.01	23.99	65.04	23.40	61.36	21.97	57.41	20.68
	3.0	2.2	76.71	28.76	71.51	24.37	67.01	22.67	65.04	22.61	61.36	21.09	57.41	19.81
	5.0	4.1	76.71	26.24	71.51	23.01	67.01	21.56	65.04	21.66	61.36	20.12	57.41	19.44
	7.0	6.0	76.71	23.01	71.51	21.52	67.01	20.15	65.04	19.60	61.36	18.52	57.41	17.47
	9.0	7.9	76.71	21.82	71.51	20.50	67.01	19.36	65.04	18.90	61.36	17.82	57.41	16.90
	11.0	9.8	76.71	20.79	71.51	19.56	67.01	18.54	65.04	18.19	61.36	17.23	57.41	16.49
	13.0	11.8	76.71	19.79	71.51	18.75	67.01	17.88	65.04	17.57	61.36	16.71	57.41	16.05
15.0	13.7	76.71	19.15	71.51	18.18	67.01	17.40	65.04	17.15	61.36	16.34	57.41	15.81	
18.0	16.6	76.71	17.82	71.51	16.93	67.01	16.19	65.04	15.95	61.36	15.22	57.41	14.69	
21.0	19.5	76.71	16.45	71.51	15.69	67.01	15.00	65.04	14.81	61.36	14.06	57.41	13.63	
24.0	22.4	76.71	15.19	71.51	14.45	67.01	13.84	65.04	13.65	61.36	12.97	57.41	12.54	
27.0	25.3	76.71	13.91	71.51	13.27	67.01	12.70	65.04	12.49	61.36	11.93	57.41	11.52	
30.0	28.1	76.71	12.73	71.51	12.09	67.01	11.61	65.04	11.42	61.36	10.86	57.41	10.51	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.23: 26HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-30.0	-30.5	65.04	32.22	61.95	30.28	57.60	29.67	55.25	29.13	52.70	28.49	48.35	27.48
	-25.0	-25.4	66.37	32.29	63.21	30.22	58.77	29.67	56.38	29.13	53.78	28.52	49.34	27.48
	-19.8	-20.0	66.37	30.69	63.21	28.62	58.77	27.96	56.38	27.40	53.78	26.88	49.34	25.78
	-18.8	-19.0	66.90	30.39	63.21	28.33	58.77	27.72	56.38	27.16	53.78	26.58	49.34	25.47
	-16.7	-17.0	66.90	29.77	63.21	27.80	58.77	27.17	56.38	26.67	53.78	26.06	49.34	25.03
	-13.7	-15.0	66.90	29.23	63.21	27.21	58.77	26.72	56.38	26.10	53.78	25.57	49.34	24.49
	-11.8	-13.0	66.90	28.62	63.21	26.69	58.77	26.19	56.38	25.66	53.78	25.10	49.34	24.10
	-9.8	-11.0	66.90	28.01	63.21	26.22	58.77	25.72	56.38	25.18	53.78	24.65	49.34	23.63
	-9.5	-10.0	66.90	27.81	63.21	25.98	58.77	25.14	56.38	24.56	53.78	23.98	49.34	22.91
	-8.5	-9.1	66.90	27.50	63.21	25.70	58.77	24.28	56.38	23.71	53.78	23.20	49.34	22.12
	-7.0	-7.6	66.90	27.21	63.21	25.33	58.77	23.25	56.38	22.66	53.78	22.09	49.34	21.07
	-5.0	-5.6	66.90	26.37	63.21	24.63	58.77	22.57	56.38	22.01	53.78	21.46	49.34	20.45
	-3.0	-3.7	66.90	24.90	63.21	23.84	58.77	21.93	56.38	21.35	53.78	20.83	49.34	19.80
	0.0	-0.7	66.90	23.61	63.21	22.85	58.77	20.96	56.38	20.42	53.78	19.95	49.34	18.89
	3.0	2.2	66.90	22.29	63.21	21.62	58.77	19.68	56.38	19.16	53.78	18.63	49.34	17.58
	5.0	4.1	66.90	21.23	63.21	20.18	58.77	19.00	56.38	18.46	53.78	17.93	49.34	16.87
	7.0	6.0	66.90	20.39	63.21	19.33	58.77	18.01	56.38	17.47	53.78	17.02	49.34	15.94
	9.0	7.9	66.90	19.51	63.21	18.57	58.77	17.42	56.38	16.82	53.78	16.37	49.34	15.29
	11.0	9.8	66.90	18.74	63.21	17.97	58.77	16.70	56.38	16.12	53.78	15.68	49.34	14.61
	13.0	11.8	66.90	18.08	63.21	17.23	58.77	15.89	56.38	15.37	53.78	14.87	49.34	13.78
15.0	13.7	66.90	17.43	63.21	16.47	58.77	15.24	56.38	14.74	53.78	14.25	49.34	13.16	
18.0	16.6	66.90	16.18	63.21	15.29	58.77	14.21	56.38	13.69	53.78	13.26	49.34	12.28	
21.0	19.5	66.90	14.97	63.21	14.18	58.77	13.13	56.38	12.68	53.78	12.27	49.34	11.34	
24.0	22.4	66.90	13.84	63.21	13.05	58.77	12.10	56.38	11.71	53.78	11.30	49.34	10.45	
27.0	25.3	66.90	12.66	63.21	12.01	58.77	11.12	56.38	10.71	53.78	10.38	49.34	9.60	
30.0	28.1	66.90	11.57	63.21	10.95	58.77	10.17	56.38	9.78	53.78	9.47	49.34	8.76	
60%	-30.0	-30.5	57.03	30.45	53.83	29.05	48.78	27.16	47.07	26.52	45.04	25.52	41.30	24.04
	-25.0	-25.4	58.19	30.54	54.93	29.05	49.77	27.08	48.03	26.55	45.96	25.44	42.14	24.04
	-19.8	-20.0	58.19	28.89	54.93	27.71	49.77	26.06	48.03	25.44	45.96	24.24	42.14	22.86
	-18.8	-19.0	58.19	28.19	54.93	26.75	49.77	25.13	48.03	24.57	45.96	23.32	42.14	22.03
	-16.7	-17.0	58.19	27.22	54.93	26.01	49.77	24.41	48.03	23.61	45.96	22.42	42.14	21.10
	-13.7	-15.0	58.19	26.33	54.93	25.15	49.77	23.67	48.03	22.74	45.96	21.57	42.14	20.25
	-11.8	-13.0	58.19	25.37	54.93	24.22	49.77	22.72	48.03	21.91	45.96	20.63	42.14	19.33
	-9.8	-11.0	58.19	24.57	54.93	23.35	49.77	21.64	48.03	20.91	45.96	19.80	42.14	18.65
	-9.5	-10.0	58.19	23.65	54.93	22.44	49.77	20.74	48.03	20.04	45.96	18.93	42.14	17.62
	-8.5	-9.1	58.19	22.73	54.93	21.64	49.77	19.92	48.03	19.17	45.96	18.01	42.14	16.60
	-7.0	-7.6	58.19	21.87	54.93	20.72	49.77	19.20	48.03	18.55	45.96	17.35	42.14	15.88
	-5.0	-5.6	58.19	21.06	54.93	19.90	49.77	18.25	48.03	17.75	45.96	16.65	42.14	15.16
	-3.0	-3.7	58.19	20.29	54.93	19.11	49.77	17.44	48.03	17.05	45.96	15.93	42.14	14.58
	0.0	-0.7	58.19	19.47	54.93	18.35	49.77	16.62	48.03	16.21	45.96	15.13	42.14	14.33
	3.0	2.2	58.19	18.58	54.93	17.53	49.77	15.99	48.03	15.60	45.96	14.37	42.14	13.83
	5.0	4.1	58.19	17.63	54.93	16.78	49.77	15.41	48.03	14.85	45.96	14.02	42.14	13.52
	7.0	6.0	58.19	16.88	54.93	16.04	49.77	14.72	48.03	14.27	45.96	13.92	42.14	13.28
	9.0	7.9	58.19	16.53	54.93	15.68	49.77	14.45	48.03	13.95	45.96	13.34	42.14	12.68
	11.0	9.8	58.19	16.31	54.93	15.47	49.77	14.09	48.03	13.63	45.96	13.08	42.14	12.42
	13.0	11.8	58.19	15.78	54.93	14.91	49.77	13.67	48.03	13.31	45.96	12.80	42.14	12.14
15.0	13.7	58.19	15.63	54.93	14.66	49.77	13.24	48.03	13.01	45.96	12.48	42.14	11.83	
18.0	16.6	58.19	14.52	54.93	13.62	49.77	12.31	48.03	12.08	45.96	11.58	42.14	10.99	
21.0	19.5	58.19	13.45	54.93	12.63	49.77	11.43	48.03	11.17	45.96	10.76	42.14	10.19	
24.0	22.4	58.19	12.39	54.93	11.60	49.77	10.50	48.03	10.30	45.96	9.90	42.14	9.39	
27.0	25.3	58.19	11.37	54.93	10.67	49.77	9.65	48.03	9.48	45.96	9.07	42.14	8.60	
30.0	28.1	58.19	10.39	54.93	9.72	49.77	8.82	48.03	8.64	45.96	8.28	42.14	7.84	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.23:26HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	47.57	25.19	44.77	24.04	40.82	22.45	39.05	21.96	37.57	21.51	35.13	20.39
	-25.0	-25.4	48.54	25.19	45.68	24.04	41.65	22.49	39.85	22.00	38.34	21.47	35.85	20.41
	-19.8	-20.0	48.54	23.88	45.68	22.89	41.65	21.62	39.85	21.00	38.34	20.50	35.85	19.32
	-18.8	-19.0	48.54	23.27	45.68	22.14	41.65	20.83	39.85	20.36	38.34	19.69	35.85	18.69
	-16.7	-17.0	48.54	22.53	45.68	21.47	41.65	20.21	39.85	19.54	38.34	19.01	35.85	17.90
	-13.7	-15.0	48.54	21.76	45.68	20.82	41.65	19.58	39.85	18.78	38.34	18.28	35.85	17.17
	-11.8	-13.0	48.54	20.99	45.68	20.03	41.65	18.84	39.85	18.17	38.34	17.48	35.85	16.39
	-9.8	-11.0	48.54	20.31	45.68	19.28	41.65	17.96	39.85	17.33	38.34	16.77	35.85	15.80
	-9.5	-10.0	48.54	19.58	45.68	18.54	41.65	17.18	39.85	16.57	38.34	16.04	35.85	14.95
	-8.5	-9.1	48.54	18.75	45.68	17.89	41.65	16.49	39.85	15.90	38.34	15.34	35.85	14.09
	-7.0	-7.6	48.54	18.10	45.68	17.08	41.65	15.88	39.85	15.34	38.34	14.71	35.85	13.46
	-5.0	-5.6	48.54	17.38	45.68	16.44	41.65	15.13	39.85	14.72	38.34	14.17	35.85	12.81
	-3.0	-3.7	48.54	16.83	45.68	15.82	41.65	14.43	39.85	14.14	38.34	13.53	35.85	12.37
	0.0	-0.7	48.54	16.10	45.68	15.21	41.65	13.80	39.85	13.43	38.34	12.92	35.85	12.13
	3.0	2.2	48.54	15.41	45.68	14.44	41.65	13.25	39.85	12.91	38.34	12.25	35.85	12.07
	5.0	4.1	48.54	14.60	45.68	13.86	41.65	12.77	39.85	12.34	38.34	12.00	35.85	11.93
	7.0	6.0	48.54	13.94	45.68	13.26	41.65	12.17	39.85	11.81	38.34	11.79	35.85	11.59
	9.0	7.9	48.54	13.70	45.68	12.95	41.65	11.98	39.85	11.54	38.34	11.33	35.85	11.24
	11.0	9.8	48.54	13.47	45.68	12.76	41.65	11.69	39.85	11.28	38.34	11.11	35.85	11.02
13.0	11.8	48.54	13.08	45.68	12.34	41.65	11.32	39.85	11.01	38.34	10.84	35.85	10.78	
15.0	13.7	48.54	12.94	45.68	12.11	41.65	11.00	39.85	10.76	38.34	10.57	35.85	10.49	
18.0	16.6	48.54	12.02	45.68	11.26	41.65	10.21	39.85	10.00	38.34	9.84	35.85	9.77	
21.0	19.5	48.54	11.11	45.68	10.43	41.65	9.46	39.85	9.28	38.34	9.09	35.85	9.04	
24.0	22.4	48.54	10.27	45.68	9.60	41.65	8.72	39.85	8.53	38.34	8.40	35.85	8.33	
27.0	25.3	48.54	9.41	45.68	8.80	41.65	8.01	39.85	7.82	38.34	7.69	35.85	7.64	
30.0	28.1	48.54	8.60	45.68	8.03	41.65	7.29	39.85	7.16	38.34	7.02	35.85	7.00	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table 2-8.24: 28HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-30.0	-30.5	68.29	24.53	68.01	25.02	67.83	26.43	67.15	27.00	67.81	28.06	66.57	28.15
	-25.0	-25.4	69.68	24.53	69.40	25.02	69.21	26.45	68.52	27.05	69.20	28.11	67.93	28.17
	-19.8	-20.0	73.24	25.22	72.96	25.79	74.02	27.57	73.24	28.10	74.01	29.19	72.82	29.21
	-18.8	-19.0	73.81	25.63	73.53	26.10	74.60	27.82	74.10	28.41	74.60	29.43	73.39	29.33
	-16.7	-17.0	74.94	25.96	74.66	26.52	75.75	28.09	75.25	28.65	75.75	29.71	74.53	29.87
	-13.7	-15.0	76.07	26.29	75.79	26.99	76.91	28.62	76.39	29.12	76.91	30.17	75.67	30.22
	-11.8	-13.0	77.20	26.67	76.92	27.43	78.06	29.18	77.53	29.71	78.06	30.71	77.09	30.70
	-9.8	-11.0	78.33	27.13	78.05	27.89	79.21	29.48	78.68	30.03	79.52	31.04	78.24	30.69
	-9.5	-10.0	78.90	27.48	78.62	28.12	80.08	29.88	79.25	30.49	80.09	31.50	78.81	31.25
	-8.5	-9.1	79.47	27.93	79.18	28.58	80.36	30.21	79.82	30.73	80.67	31.80	79.39	31.54
	-7.0	-7.6	80.31	27.94	80.03	29.00	81.52	30.55	80.68	30.96	81.53	32.32	80.24	31.95
	-5.0	-5.6	86.54	29.20	86.25	29.73	87.56	31.45	86.97	32.15	87.61	32.53	86.24	32.40
	-3.0	-3.7	87.66	29.90	87.39	30.30	88.72	31.94	88.12	32.69	88.76	32.95	87.38	32.81
	0.0	-0.7	89.36	30.77	89.08	30.57	90.45	32.34	89.84	33.06	90.50	33.45	89.38	33.07
	3.0	2.2	98.72	32.54	97.57	32.51	99.08	34.07	98.13	34.41	99.17	35.20	97.66	34.98
	5.0	4.1	122.73	39.27	117.81	38.80	118.09	39.38	112.72	37.86	109.30	37.84	99.09	35.68
	7.0	6.0	124.71	39.63	120.07	37.70	118.09	37.37	112.72	36.24	109.30	36.27	99.09	34.48
	9.0	7.9	124.71	37.57	120.07	35.92	118.09	36.31	112.72	35.53	109.30	35.36	99.09	33.66
	11.0	9.8	124.71	35.76	120.07	34.42	118.09	35.10	112.72	34.31	109.30	34.24	99.09	32.36
	13.0	11.8	124.71	34.12	120.07	33.50	118.09	34.05	112.72	33.83	109.30	33.53	99.09	31.84
15.0	13.7	124.71	33.05	120.07	32.65	118.09	33.08	112.72	32.46	109.30	32.54	99.09	30.63	
18.0	16.6	126.06	31.05	120.99	30.61	118.68	30.96	113.02	30.27	109.35	30.31	99.09	28.50	
21.0	19.5	126.80	28.86	121.32	28.42	118.68	28.66	113.02	27.98	109.35	28.07	99.09	26.44	
24.0	22.4	126.91	26.65	121.32	26.19	118.68	26.47	113.02	25.86	109.35	25.87	99.09	24.37	
27.0	25.3	126.91	24.45	121.32	24.08	118.68	24.26	113.02	23.72	109.35	23.73	99.09	22.29	
30.0	28.1	126.91	22.31	121.32	21.99	118.68	22.13	113.02	21.62	109.35	21.71	99.09	20.41	
120%	-30.0	-30.5	67.56	26.75	67.93	27.95	68.72	29.30	67.72	29.68	66.76	30.15	67.80	31.06
	-25.0	-25.4	68.94	26.72	69.32	27.95	70.13	29.38	69.10	29.68	68.12	30.15	69.18	31.09
	-19.8	-20.0	73.09	27.45	73.52	28.68	74.15	29.85	73.30	30.18	72.32	30.58	73.36	31.69
	-18.8	-19.0	73.66	27.87	74.09	28.75	74.73	30.39	73.88	30.72	72.88	31.10	73.94	32.04
	-16.7	-17.0	74.79	28.23	75.23	29.17	75.90	30.78	75.03	31.19	74.01	31.48	75.39	32.26
	-13.7	-15.0	75.92	28.59	76.38	29.72	77.06	30.98	76.17	31.27	75.44	31.68	76.54	32.48
	-11.8	-13.0	77.06	29.08	77.52	30.07	78.33	31.32	77.31	31.73	76.56	32.05	77.70	32.91
	-9.8	-11.0	78.19	29.26	78.67	30.23	79.66	31.71	78.45	32.05	77.70	32.42	78.86	33.55
	-9.5	-10.0	78.76	29.56	79.24	30.45	80.23	31.94	79.03	32.20	78.27	32.64	79.43	33.91
	-8.5	-9.1	79.33	29.88	79.81	30.87	80.82	32.32	79.60	32.65	78.83	32.93	80.00	33.94
	-7.0	-7.6	80.18	30.32	80.67	31.37	81.68	32.59	80.46	32.94	79.68	33.31	80.88	34.30
	-5.0	-5.6	86.40	30.64	86.97	31.65	87.77	32.93	86.76	33.31	85.92	33.64	87.22	34.94
	-3.0	-3.7	87.54	31.18	88.11	32.13	88.93	33.45	87.91	33.76	86.77	34.13	88.38	35.16
	0.0	-0.7	89.24	31.59	89.83	32.61	90.66	33.63	89.62	33.98	88.76	34.30	90.11	35.37
	3.0	2.2	97.45	33.48	98.40	34.66	99.36	35.38	97.93	35.63	96.98	36.06	92.42	35.05
	5.0	4.1	122.67	37.48	116.42	37.55	109.49	37.29	103.94	36.12	98.97	35.38	92.42	33.89
	7.0	6.0	123.52	37.22	116.42	35.90	109.49	35.40	103.94	34.38	98.97	33.90	92.42	33.09
	9.0	7.9	123.52	35.67	116.42	34.27	109.49	34.39	103.94	33.25	98.97	32.93	92.42	32.14
	11.0	9.8	123.52	34.41	116.42	33.55	109.49	33.18	103.94	32.37	98.97	31.74	92.42	30.86
	13.0	11.8	123.52	33.65	116.42	32.69	109.49	32.29	103.94	31.86	98.97	31.20	92.42	30.25
15.0	13.7	123.52	32.87	116.42	31.78	109.49	31.36	103.94	30.66	98.97	30.11	92.42	29.23	
18.0	16.6	124.86	30.94	117.32	29.82	110.04	29.29	104.22	28.57	99.02	28.00	92.42	27.19	
21.0	19.5	125.59	28.84	117.63	27.60	110.04	27.12	104.22	26.43	99.02	25.97	92.42	25.17	
24.0	22.4	125.70	26.52	117.63	25.52	110.04	25.06	104.22	24.38	99.02	23.89	92.42	23.20	
27.0	25.3	125.70	24.33	117.63	23.41	110.04	22.99	104.22	22.37	99.02	21.96	92.42	21.26	
30.0	28.1	125.70	22.27	117.63	21.32	110.04	20.94	104.22	20.41	99.02	20.06	92.42	19.40	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.24:28HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-30.0	-30.5	69.19	27.89	68.28	28.26	68.46	29.17	69.36	28.97	68.91	29.44	68.94	30.30
	-25.0	-25.4	70.60	27.86	69.67	28.29	69.86	29.17	70.78	28.97	70.32	29.44	70.35	30.33
	-19.8	-20.0	73.66	28.26	72.73	28.60	73.02	29.47	73.87	29.46	73.36	29.86	73.43	30.70
	-18.8	-19.0	74.23	28.71	73.31	29.11	73.59	29.93	74.44	29.44	73.94	30.19	74.01	30.75
	-16.7	-17.0	75.38	29.08	74.45	29.49	74.74	30.31	75.60	30.01	75.39	30.55	75.17	31.20
	-13.7	-15.0	76.52	29.33	75.58	29.77	75.88	30.66	76.76	30.22	76.54	30.69	76.32	31.50
	-11.8	-13.0	77.67	29.83	76.71	30.21	77.31	31.00	77.92	30.51	77.70	31.06	77.48	31.81
	-9.8	-11.0	78.82	29.77	77.85	30.15	78.45	31.03	79.08	31.13	78.86	31.45	78.64	32.26
	-9.5	-10.0	79.39	30.13	78.70	30.45	79.03	31.42	79.66	31.23	79.43	31.85	79.21	32.64
	-8.5	-9.1	79.97	30.40	78.99	30.80	79.60	31.72	80.23	31.47	80.00	32.18	79.80	32.95
	-7.0	-7.6	80.83	30.82	79.84	31.13	80.46	31.98	81.11	31.89	80.88	32.45	80.66	33.11
	-5.0	-5.6	87.13	31.20	86.09	31.56	86.47	32.49	87.47	32.20	87.22	32.67	84.71	32.74
	-3.0	-3.7	88.28	31.45	87.23	31.75	87.62	32.62	88.63	32.50	88.38	33.07	84.71	32.12
	0.0	-0.7	90.00	32.15	88.93	32.51	89.62	33.44	90.37	32.81	90.11	33.47	84.71	31.67
	3.0	2.2	98.31	33.55	97.46	33.96	97.93	34.81	96.45	34.09	92.42	33.70	84.71	31.37
	5.0	4.1	114.64	36.69	105.98	36.30	99.37	34.02	96.45	33.51	92.42	32.86	84.71	31.24
	7.0	6.0	114.64	35.26	105.98	34.19	99.37	32.36	96.45	31.80	92.42	31.29	84.71	30.52
	9.0	7.9	114.64	33.66	105.98	32.31	99.37	31.18	96.45	31.06	92.42	30.58	84.71	29.96
	11.0	9.8	114.64	32.49	105.98	31.14	99.37	30.32	96.45	29.94	92.42	29.64	84.71	28.97
	13.0	11.8	114.64	31.57	105.98	30.19	99.37	29.34	96.45	29.02	92.42	28.67	84.71	28.03
15.0	13.7	114.64	30.66	105.98	29.13	99.37	28.37	96.45	28.03	92.42	27.69	84.71	27.00	
18.0	16.6	115.89	28.83	106.79	27.31	99.86	26.50	96.71	26.21	92.47	25.77	84.71	25.14	
21.0	19.5	116.57	26.80	107.08	25.36	99.86	24.53	96.71	24.25	92.47	23.80	84.71	23.23	
24.0	22.4	116.67	24.75	107.08	23.35	99.86	22.63	96.71	22.31	92.47	21.95	84.71	21.41	
27.0	25.3	116.67	22.70	107.08	21.44	99.86	20.72	96.71	20.50	92.47	20.16	84.71	19.66	
30.0	28.1	116.67	20.71	107.08	19.58	99.86	18.94	96.71	18.74	92.47	18.43	84.71	17.96	
100%	-30.0	-30.5	68.52	34.48	68.04	34.61	66.56	34.57	67.29	34.95	67.29	35.18	66.76	35.47
	-25.0	-25.4	69.92	34.48	69.43	34.64	67.92	34.57	68.67	34.98	68.67	35.15	68.12	35.47
	-19.8	-20.0	73.16	34.44	72.66	34.71	71.10	34.85	71.88	35.02	71.88	35.19	71.33	35.22
	-18.8	-19.0	74.30	34.52	73.80	34.83	72.22	34.93	73.01	35.10	73.01	35.34	72.44	34.94
	-16.7	-17.0	75.44	34.56	74.93	34.84	73.61	34.90	74.13	35.18	74.13	35.42	73.56	34.76
	-13.7	-15.0	76.56	34.58	76.06	34.91	74.72	35.06	75.26	35.18	75.26	35.39	74.68	34.38
	-11.8	-13.0	77.70	34.65	77.19	35.00	75.83	35.06	76.38	35.27	76.38	35.47	74.68	34.07
	-9.8	-11.0	78.27	34.76	78.04	35.04	76.39	35.07	77.22	35.31	76.94	35.44	74.68	33.92
	-9.5	-10.0	78.83	34.74	78.32	34.97	76.94	35.23	77.51	35.35	77.51	35.48	74.68	33.73
	-8.5	-9.1	79.68	34.82	79.45	35.05	77.78	35.30	78.35	35.42	78.35	35.60	74.68	33.22
	-7.0	-7.6	85.92	34.82	85.39	34.99	83.88	35.98	84.53	36.71	81.71	34.82	74.68	33.00
	-5.0	-5.6	87.06	34.83	86.52	35.04	84.99	35.18	85.08	35.60	81.71	33.89	74.68	32.18
	-3.0	-3.7	88.76	34.97	88.21	35.10	86.66	34.05	85.08	33.55	81.71	32.74	74.68	31.11
	0.0	-0.7	91.03	34.95	95.85	35.05	87.50	33.11	85.08	31.99	81.71	31.17	74.68	29.75
	3.0	2.2	96.98	34.31	95.85	34.28	87.50	32.16	85.08	30.50	81.71	29.34	74.68	28.26
	5.0	4.1	102.94	33.78	95.85	32.52	87.50	30.61	85.08	29.15	81.71	28.09	74.68	26.95
	7.0	6.0	102.94	33.32	95.85	30.90	87.50	28.69	85.08	27.60	81.71	26.98	74.68	25.80
	9.0	7.9	102.94	31.41	95.85	29.22	87.50	27.88	85.08	26.92	81.71	26.13	74.68	24.93
	11.0	9.8	102.94	29.43	95.85	27.47	87.50	26.97	85.08	25.81	81.71	25.17	74.68	23.89
	13.0	11.8	102.94	27.53	95.85	26.76	87.50	25.87	85.08	24.84	81.71	24.35	74.68	23.10
15.0	13.7	102.94	26.20	95.85	25.65	87.50	24.96	85.08	24.04	81.71	23.43	74.68	22.24	
18.0	16.6	102.94	24.40	95.85	23.84	87.50	23.20	85.08	22.30	81.71	21.78	74.68	20.63	
21.0	19.5	102.94	22.59	95.85	22.05	87.50	21.48	85.08	20.67	81.71	20.20	74.68	19.14	
24.0	22.4	102.94	20.82	95.85	20.36	87.50	19.80	85.08	19.05	81.71	18.64	74.68	17.64	
27.0	25.3	102.94	19.08	95.85	18.70	87.50	18.16	85.08	17.46	81.71	17.05	74.68	16.17	
30.0	28.1	102.94	17.43	95.85	17.03	87.50	16.60	85.08	15.97	81.71	15.62	74.68	14.76	

Abbreviations:  
 CR: Combination ratio  
 TC: Total capacity (kW)  
 PI: Power input (compressor + outdoor fan motor) (kW)  
 Notes:  
 Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.24: 28HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	68.85	34.88	69.01	35.48	68.71	35.81	67.47	35.57	67.41	35.74	67.35	33.79
	-25.0	-25.4	70.26	34.81	70.42	35.48	70.11	35.75	68.85	35.60	68.78	35.77	68.72	33.76
	-19.8	-20.0	73.23	35.36	73.50	36.01	73.14	36.44	71.88	35.94	71.81	36.08	68.72	33.11
	-18.8	-19.0	73.80	35.50	74.08	36.03	73.73	36.45	72.46	36.02	72.39	36.03	68.72	32.68
	-16.7	-17.0	74.95	35.49	75.24	36.14	75.17	36.49	73.58	36.10	73.51	35.24	68.72	32.00
	-13.7	-15.0	76.10	35.56	76.40	36.15	76.32	36.57	74.72	36.04	74.37	34.53	68.72	31.39
	-11.8	-13.0	77.25	35.57	77.56	36.30	77.48	36.54	75.86	35.57	74.37	33.82	68.72	30.78
	-9.8	-11.0	78.40	35.69	79.01	36.35	78.64	36.63	77.28	34.93	74.37	33.21	68.72	30.24
	-9.5	-10.0	78.97	35.73	79.58	36.31	79.21	36.74	77.57	34.52	74.37	32.85	68.72	29.92
	-8.5	-9.1	79.54	35.80	79.87	36.36	79.80	36.54	77.57	34.33	74.37	32.62	68.72	29.63
	-7.0	-7.6	80.41	35.85	81.03	35.94	80.66	36.14	77.57	33.76	74.37	32.10	68.72	29.29
	-5.0	-5.6	86.72	35.81	87.11	34.31	82.10	34.59	77.57	32.64	74.37	31.08	68.72	28.45
	-3.0	-3.7	87.87	35.92	88.26	32.77	82.10	32.91	77.57	31.52	74.37	30.10	68.72	27.69
	0.0	-0.7	89.59	36.01	88.26	31.13	82.10	31.47	77.57	30.02	74.37	28.62	68.72	26.92
	3.0	2.2	93.90	35.99	88.26	29.51	82.10	29.70	77.57	28.88	74.37	27.33	68.72	26.04
	5.0	4.1	93.90	35.06	88.26	28.12	82.10	28.37	77.57	27.39	74.37	26.12	68.72	24.99
	7.0	6.0	93.90	30.51	88.26	27.58	82.10	26.45	77.57	25.06	74.37	24.00	68.72	22.24
	9.0	7.9	93.90	28.67	88.26	27.05	82.10	25.16	77.57	23.88	74.37	22.91	68.72	21.40
	11.0	9.8	93.90	26.99	88.26	25.54	82.10	24.00	77.57	22.79	74.37	21.96	68.72	20.67
	13.0	11.8	93.90	25.50	88.26	24.33	82.10	22.91	77.57	21.86	74.37	21.14	68.72	19.98
15.0	13.7	93.90	24.41	88.26	23.36	82.10	22.16	77.57	21.12	74.37	20.57	68.72	19.53	
18.0	16.6	93.90	22.70	88.26	21.77	82.10	20.61	77.57	19.67	74.37	19.10	68.72	18.16	
21.0	19.5	93.90	21.04	88.26	20.18	82.10	19.07	77.57	18.21	74.37	17.67	68.72	16.77	
24.0	22.4	93.90	19.39	88.26	18.54	82.10	17.54	77.57	16.82	74.37	16.28	68.72	15.49	
27.0	25.3	93.90	17.78	88.26	17.04	82.10	16.11	77.57	15.38	74.37	14.94	68.72	14.18	
30.0	28.1	93.90	16.27	88.26	15.57	82.10	14.71	77.57	14.05	74.37	13.64	68.72	12.99	
80%	-30.0	-30.5	69.35	37.20	67.61	36.96	69.39	36.60	67.18	34.05	66.21	33.43	59.72	29.85
	-25.0	-25.4	70.77	37.20	68.99	36.93	70.81	36.63	68.55	34.02	67.56	33.33	60.94	29.82
	-19.8	-20.0	73.57	35.85	71.74	35.46	72.99	35.01	68.55	32.69	67.56	31.92	60.94	28.38
	-18.8	-19.0	74.15	35.89	72.32	35.50	72.99	34.67	68.55	32.39	67.56	31.52	60.94	28.09
	-16.7	-17.0	75.31	36.01	73.44	35.58	72.99	33.94	68.55	31.69	67.56	30.89	60.94	27.56
	-13.7	-15.0	76.47	36.10	74.58	35.62	72.99	33.24	68.55	31.01	67.56	30.33	60.94	27.00
	-11.8	-13.0	77.63	36.03	75.71	34.96	72.99	32.57	68.55	30.40	67.56	29.71	60.94	26.48
	-9.8	-11.0	78.79	36.07	76.85	34.23	72.99	31.97	68.55	29.87	67.56	29.12	60.94	26.03
	-9.5	-10.0	79.36	36.18	76.85	33.89	72.99	31.64	68.55	29.58	67.56	28.91	60.94	25.77
	-8.5	-9.1	79.95	36.26	76.85	33.60	72.99	31.44	68.55	29.30	67.56	28.63	60.94	25.59
	-7.0	-7.6	80.82	36.27	76.85	33.13	72.99	31.01	68.55	28.96	67.56	28.27	60.94	25.18
	-5.0	-5.6	84.29	35.48	76.85	32.06	72.99	30.07	68.55	28.04	67.56	27.39	60.94	24.49
	-3.0	-3.7	84.29	36.81	76.85	30.92	72.99	28.79	68.55	26.99	67.56	26.42	60.94	23.80
	0.0	-0.7	84.29	36.24	76.85	29.49	72.99	27.77	68.55	26.22	67.56	25.68	60.94	23.25
	3.0	2.2	84.29	33.56	76.85	27.77	72.99	26.14	68.55	25.22	67.56	24.71	60.94	22.39
	5.0	4.1	84.29	30.65	76.85	26.24	72.99	25.01	68.55	24.19	67.56	23.54	60.94	21.86
	7.0	6.0	84.29	26.93	76.85	24.59	72.99	23.30	68.55	21.96	67.56	21.59	60.94	19.68
	9.0	7.9	84.29	25.46	76.85	23.41	72.99	22.35	68.55	21.13	67.56	20.84	60.94	19.10
	11.0	9.8	84.29	24.26	76.85	22.33	72.99	21.45	68.55	20.30	67.56	20.17	60.94	18.54
	13.0	11.8	84.29	23.16	76.85	21.39	72.99	20.68	68.55	19.70	67.56	19.57	60.94	18.10
15.0	13.7	84.29	22.28	76.85	20.76	72.99	20.13	68.55	19.21	67.56	19.11	60.94	17.78	
18.0	16.6	84.29	20.79	76.85	19.35	72.99	18.73	68.55	17.88	67.56	17.78	60.94	16.54	
21.0	19.5	84.29	19.23	76.85	17.88	72.99	17.39	68.55	16.56	67.56	16.48	60.94	15.36	
24.0	22.4	84.29	17.74	76.85	16.46	72.99	16.00	68.55	15.25	67.56	15.19	60.94	14.15	
27.0	25.3	84.29	16.28	76.85	15.13	72.99	14.69	68.55	14.02	67.56	13.95	60.94	12.97	
30.0	28.1	84.29	14.86	76.85	13.82	72.99	13.40	68.55	12.76	67.56	12.71	60.94	11.83	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.24:28HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-30.0	-30.5	70.23	36.95	65.87	34.07	61.47	33.53	60.18	33.66	56.86	32.63	52.53	31.66
	-25.0	-25.4	71.66	36.95	67.21	34.14	62.73	33.63	61.41	33.62	58.02	32.60	53.60	31.60
	-19.8	-20.0	71.66	35.19	67.21	32.34	62.73	31.75	61.41	31.69	58.02	30.76	53.60	29.71
	-18.8	-19.0	72.24	34.85	67.21	32.00	62.73	31.41	61.41	31.44	58.02	30.36	53.60	29.39
	-16.7	-17.0	72.24	34.16	67.21	31.37	62.73	30.80	61.41	30.82	58.02	29.87	53.60	28.91
	-13.7	-15.0	72.24	33.45	67.21	30.77	62.73	30.27	61.41	30.27	58.02	29.23	53.60	28.23
	-11.8	-13.0	72.24	32.85	67.21	30.18	62.73	29.69	61.41	29.74	58.02	28.78	53.60	27.80
	-9.8	-11.0	72.24	32.18	67.21	29.53	62.73	29.20	61.41	29.12	58.02	28.18	53.60	27.22
	-9.5	-10.0	72.24	31.83	67.21	29.31	62.73	28.49	61.41	28.42	58.02	27.52	53.60	26.45
	-8.5	-9.1	72.24	31.56	67.21	29.04	62.73	27.54	61.41	27.46	58.02	26.49	53.60	25.54
	-7.0	-7.6	72.24	31.17	67.21	28.58	62.73	26.31	61.41	26.21	58.02	25.32	53.60	24.31
	-5.0	-5.6	72.24	30.20	67.21	27.74	62.73	25.60	61.41	25.46	58.02	24.66	53.60	23.56
	-3.0	-3.7	72.24	28.53	67.21	26.94	62.73	24.87	61.41	24.74	58.02	23.83	53.60	22.84
	0.0	-0.7	72.24	27.07	67.21	25.76	62.73	23.77	61.41	23.66	58.02	22.82	53.60	21.78
	3.0	2.2	72.24	25.51	67.21	24.35	62.73	22.32	61.41	22.20	58.02	21.37	53.60	20.29
	5.0	4.1	72.24	24.39	67.21	22.79	62.73	21.52	61.41	21.30	58.02	20.48	53.60	19.47
	7.0	6.0	72.24	23.42	67.21	21.84	62.73	20.37	61.41	20.26	58.02	19.46	53.60	18.41
	9.0	7.9	72.24	22.36	67.21	20.96	62.73	19.73	61.41	19.50	58.02	18.71	53.60	17.65
	11.0	9.8	72.24	21.52	67.21	20.26	62.73	18.94	61.41	18.65	58.02	17.90	53.60	16.85
	13.0	11.8	72.24	20.69	67.21	19.41	62.73	18.03	61.41	17.76	58.02	17.02	53.60	15.94
15.0	13.7	72.24	19.95	67.21	18.57	62.73	17.31	61.41	17.01	58.02	16.29	53.60	15.20	
18.0	16.6	72.24	18.54	67.21	17.25	62.73	16.09	61.41	15.84	58.02	15.15	53.60	14.16	
21.0	19.5	72.24	17.20	67.21	16.02	62.73	14.90	61.41	14.69	58.02	14.06	53.60	13.10	
24.0	22.4	72.24	15.86	67.21	14.73	62.73	13.72	61.41	13.53	58.02	12.97	53.60	12.08	
27.0	25.3	72.24	14.53	67.21	13.52	62.73	12.60	61.41	12.39	58.02	11.87	53.60	11.08	
30.0	28.1	72.24	13.28	67.21	12.34	62.73	11.52	61.41	11.32	58.02	10.84	53.60	10.13	
60%	-30.0	-30.5	60.70	34.45	57.91	33.24	52.98	31.24	50.53	30.25	48.50	29.10	45.03	27.86
	-25.0	-25.4	61.94	34.48	59.09	33.21	54.06	31.27	51.56	30.22	49.49	29.07	45.95	27.83
	-19.8	-20.0	61.94	32.62	59.09	31.65	54.06	30.14	51.56	28.97	49.49	27.74	45.95	26.47
	-18.8	-19.0	61.94	31.75	59.09	30.62	54.06	29.05	51.56	27.95	49.49	26.66	45.95	25.48
	-16.7	-17.0	61.94	30.75	59.09	29.61	54.06	28.10	51.56	26.87	49.49	25.63	45.95	24.51
	-13.7	-15.0	61.94	29.74	59.09	28.76	54.06	27.30	51.56	25.92	49.49	24.71	45.95	23.41
	-11.8	-13.0	61.94	28.70	59.09	27.66	54.06	26.17	51.56	24.97	49.49	23.64	45.95	22.40
	-9.8	-11.0	61.94	27.74	59.09	26.69	54.06	24.92	51.56	23.85	49.49	22.63	45.95	21.62
	-9.5	-10.0	61.94	26.72	59.09	25.60	54.06	23.93	51.56	22.83	49.49	21.62	45.95	20.44
	-8.5	-9.1	61.94	25.63	59.09	24.70	54.06	22.97	51.56	21.84	49.49	20.58	45.95	19.26
	-7.0	-7.6	61.94	24.66	59.09	23.60	54.06	22.15	51.56	21.16	49.49	19.81	45.95	18.40
	-5.0	-5.6	61.94	23.82	59.09	22.79	54.06	21.01	51.56	20.26	49.49	19.06	45.95	17.51
	-3.0	-3.7	61.94	22.96	59.09	21.87	54.06	20.11	51.56	19.45	49.49	18.19	45.95	16.91
	0.0	-0.7	61.94	21.99	59.09	21.00	54.06	19.17	51.56	18.48	49.49	17.28	45.95	16.56
	3.0	2.2	61.94	21.03	59.09	20.01	54.06	18.47	51.56	17.76	49.49	16.40	45.95	15.98
	5.0	4.1	61.94	19.92	59.09	19.16	54.06	17.76	51.56	16.98	49.49	16.04	45.95	15.66
	7.0	6.0	61.94	19.05	59.09	18.31	54.06	16.93	51.56	16.24	49.49	15.95	45.95	15.37
	9.0	7.9	61.94	18.71	59.09	17.91	54.06	16.66	51.56	15.89	49.49	15.26	45.95	14.67
	11.0	9.8	61.94	18.44	59.09	17.65	54.06	16.26	51.56	15.53	49.49	14.96	45.95	14.41
	13.0	11.8	61.94	17.84	59.09	17.06	54.06	15.75	51.56	15.18	49.49	14.64	45.95	14.08
15.0	13.7	61.94	17.62	59.09	16.72	54.06	15.28	51.56	14.82	49.49	14.24	45.95	13.69	
18.0	16.6	61.94	16.44	59.09	15.52	54.06	14.22	51.56	13.76	49.49	13.28	45.95	12.71	
21.0	19.5	61.94	15.21	59.09	14.37	54.06	13.14	51.56	12.74	49.49	12.28	45.95	11.79	
24.0	22.4	61.94	14.02	59.09	13.27	54.06	12.12	51.56	11.74	49.49	11.30	45.95	10.86	
27.0	25.3	61.94	12.83	59.09	12.16	54.06	11.15	51.56	10.79	49.49	10.38	45.95	9.95	
30.0	28.1	61.94	11.76	59.09	11.13	54.06	10.18	51.56	9.84	49.49	9.47	45.95	9.09	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.24: 28HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	51.66	29.08	47.20	26.91	44.46	26.04	41.96	25.07	40.34	24.52	37.36	23.07
	-25.0	-25.4	52.71	29.11	48.16	26.86	45.37	25.97	42.82	25.10	41.16	24.47	38.12	23.04
	-19.8	-20.0	52.71	27.59	48.16	25.61	45.37	25.03	42.82	24.03	41.16	23.31	38.12	21.81
	-18.8	-19.0	52.71	26.88	48.16	24.73	45.37	24.17	42.82	23.20	41.16	22.42	38.12	21.05
	-16.7	-17.0	52.71	26.04	48.16	24.04	45.37	23.40	42.82	22.31	41.16	21.64	38.12	20.21
	-13.7	-15.0	52.71	25.07	48.16	23.28	45.37	22.62	42.82	21.50	41.16	20.83	38.12	19.38
	-11.8	-13.0	52.71	24.22	48.16	22.44	45.37	21.77	42.82	20.70	41.16	19.96	38.12	18.48
	-9.8	-11.0	52.71	23.42	48.16	21.57	45.37	20.78	42.82	19.81	41.16	19.11	38.12	17.84
	-9.5	-10.0	52.71	22.61	48.16	20.70	45.37	19.92	42.82	18.90	41.16	18.30	38.12	16.84
	-8.5	-9.1	52.71	21.64	48.16	19.99	45.37	19.09	42.82	18.15	41.16	17.48	38.12	15.87
	-7.0	-7.6	52.71	20.81	48.16	19.10	45.37	18.38	42.82	17.54	41.16	16.77	38.12	15.21
	-5.0	-5.6	52.71	20.05	48.16	18.40	45.37	17.50	42.82	16.79	41.16	16.15	38.12	14.50
	-3.0	-3.7	52.71	19.36	48.16	17.72	45.37	16.73	42.82	16.09	41.16	15.46	38.12	13.99
	0.0	-0.7	52.71	18.57	48.16	17.01	45.37	15.94	42.82	15.31	41.16	14.69	38.12	13.70
	3.0	2.2	52.71	17.76	48.16	16.20	45.37	15.37	42.82	14.73	41.16	13.97	38.12	13.61
	5.0	4.1	52.71	16.84	48.16	15.51	45.37	14.77	42.82	14.03	41.16	13.66	38.12	13.48
	7.0	6.0	52.71	16.05	48.16	14.82	45.37	14.08	42.82	13.49	41.16	13.46	38.12	13.09
	9.0	7.9	52.71	15.82	48.16	14.49	45.37	13.90	42.82	13.17	41.16	12.90	38.12	12.70
	11.0	9.8	52.71	15.58	48.16	14.28	45.37	13.51	42.82	12.87	41.16	12.68	38.12	12.45
13.0	11.8	52.71	15.10	48.16	13.81	45.37	13.09	42.82	12.59	41.16	12.37	38.12	12.18	
15.0	13.7	52.71	14.92	48.16	13.52	45.37	12.70	42.82	12.29	41.16	12.03	38.12	11.87	
18.0	16.6	52.71	13.85	48.16	12.60	45.37	11.81	42.82	11.40	41.16	11.20	38.12	11.02	
21.0	19.5	52.71	12.84	48.16	11.65	45.37	10.96	42.82	10.57	41.16	10.35	38.12	10.22	
24.0	22.4	52.71	11.82	48.16	10.73	45.37	10.09	42.82	9.73	41.16	9.55	38.12	9.40	
27.0	25.3	52.71	10.86	48.16	9.86	45.37	9.27	42.82	8.95	41.16	8.75	38.12	8.64	
30.0	28.1	52.71	9.89	48.16	9.00	45.37	8.45	42.82	8.16	41.16	7.99	38.12	7.89	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.25:30HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-30.0	-30.5	75.59	24.85	74.06	24.93	72.52	25.93	72.98	26.90	71.94	27.21	72.28	28.02
	-25.0	-25.4	77.14	24.92	75.57	24.91	74.00	25.85	74.47	26.92	73.40	27.29	73.76	28.02
	-19.8	-20.0	81.08	25.52	79.45	25.62	79.14	26.96	79.60	27.97	78.52	28.26	79.06	28.95
	-18.8	-19.0	81.71	26.04	80.07	25.95	79.76	27.19	80.54	28.17	79.15	28.57	79.68	29.11
	-16.7	-17.0	82.95	26.30	81.30	26.47	80.99	27.45	81.78	28.46	80.37	28.86	80.92	29.62
	-13.7	-15.0	84.20	26.56	82.53	26.89	82.22	28.03	83.02	28.98	81.59	29.31	82.16	30.00
	-11.8	-13.0	85.46	27.07	83.77	27.25	83.45	28.46	84.26	29.48	82.82	29.86	83.71	30.53
	-9.8	-11.0	86.71	27.48	84.99	27.73	84.69	28.84	85.51	29.83	84.36	30.13	84.95	30.52
	-9.5	-10.0	87.34	27.89	85.61	28.04	85.61	29.23	86.13	30.32	84.97	30.57	85.57	31.01
	-8.5	-9.1	87.96	28.21	86.22	28.47	85.92	29.58	86.75	30.54	85.58	30.89	86.19	31.30
	-7.0	-7.6	88.90	28.25	87.14	28.90	87.14	29.88	87.68	30.79	86.50	31.29	87.12	31.71
	-5.0	-5.6	95.79	29.54	93.92	29.62	93.62	30.76	94.53	32.03	92.95	31.49	93.63	32.09
	-3.0	-3.7	97.04	30.26	95.15	30.10	94.84	31.29	95.77	32.48	94.17	31.94	94.87	32.53
	0.0	-0.7	98.92	31.16	97.00	30.48	96.70	31.63	97.64	32.82	96.02	32.40	97.05	32.83
	3.0	2.2	109.28	32.95	106.24	32.46	105.93	33.33	106.65	34.26	105.21	34.20	106.04	34.81
	5.0	4.1	135.86	39.70	128.28	38.70	126.26	38.54	122.51	37.61	115.95	36.76	107.58	35.47
	7.0	6.0	138.05	40.02	130.75	37.63	126.26	36.66	122.51	36.00	115.95	35.17	107.58	34.32
	9.0	7.9	138.05	38.06	130.75	35.75	126.26	35.55	122.51	35.30	115.95	34.24	107.58	33.53
	11.0	9.8	138.05	36.29	130.75	34.30	126.26	34.26	122.51	34.18	115.95	33.29	107.58	32.21
	13.0	11.8	138.05	34.46	130.75	33.38	126.26	33.34	122.51	33.53	115.95	32.57	107.58	31.57
15.0	13.7	138.05	33.38	130.75	32.56	126.26	32.35	122.51	32.21	115.95	31.63	107.58	30.49	
18.0	16.6	139.55	31.48	131.76	30.58	126.89	30.24	122.84	30.07	116.01	29.44	107.58	28.31	
21.0	19.5	140.36	29.23	132.11	28.31	126.89	28.06	122.84	27.90	116.01	27.20	107.58	26.19	
24.0	22.4	140.48	27.05	132.11	26.17	126.89	25.81	122.84	25.69	116.01	25.12	107.58	24.13	
27.0	25.3	140.48	24.74	132.11	23.94	126.89	23.70	122.84	23.55	116.01	23.05	107.58	22.19	
30.0	28.1	140.48	22.64	132.11	21.92	126.89	21.62	122.84	21.55	116.01	21.03	107.58	20.26	
120%	-30.0	-30.5	74.78	27.07	74.76	28.20	74.55	29.11	73.74	29.61	73.41	30.28	73.05	30.62
	-25.0	-25.4	76.30	27.10	76.28	28.22	76.07	29.16	75.24	29.61	74.90	30.25	74.54	30.71
	-19.8	-20.0	80.91	27.80	80.91	28.82	80.44	29.60	79.82	30.07	79.50	30.86	79.04	31.29
	-18.8	-19.0	81.53	28.25	81.53	28.92	81.07	30.14	80.45	30.61	80.13	31.29	79.67	31.61
	-16.7	-17.0	82.79	28.62	82.80	29.37	82.33	30.60	81.70	31.07	81.38	31.67	81.22	31.76
	-13.7	-15.0	84.05	28.96	84.05	29.94	83.58	30.69	82.94	31.19	82.94	31.85	82.47	32.08
	-11.8	-13.0	85.30	29.39	85.31	30.23	84.97	31.06	84.19	31.55	84.19	32.21	83.72	32.37
	-9.8	-11.0	86.56	29.58	86.57	30.49	86.41	31.47	85.43	31.93	85.43	32.59	84.95	33.01
	-9.5	-10.0	87.18	29.92	87.20	30.63	87.03	31.62	86.06	32.08	86.06	32.77	85.58	33.46
	-8.5	-9.1	87.80	30.18	87.83	31.11	87.66	32.05	86.68	32.44	86.68	33.17	86.20	33.49
	-7.0	-7.6	88.75	30.75	88.78	31.59	88.61	32.37	87.62	32.85	87.62	33.48	87.13	33.84
	-5.0	-5.6	95.64	31.00	95.70	31.87	95.20	32.77	94.47	33.16	94.47	33.85	93.98	34.38
	-3.0	-3.7	96.90	31.58	96.96	32.39	96.46	33.14	95.73	33.60	95.42	34.33	95.23	34.56
	0.0	-0.7	98.78	32.01	98.85	32.84	98.35	33.48	97.60	33.85	97.60	34.59	97.10	34.90
	3.0	2.2	107.88	33.95	108.30	34.94	107.77	35.15	106.63	35.51	106.63	36.21	99.59	34.48
	5.0	4.1	135.79	37.98	128.13	37.77	118.77	37.11	113.19	36.06	108.81	35.65	99.59	33.41
	7.0	6.0	136.73	37.66	128.13	36.18	118.77	35.21	113.19	34.31	108.81	34.11	99.59	32.62
	9.0	7.9	136.73	36.14	128.13	34.57	118.77	34.13	113.19	33.22	108.81	33.07	99.59	31.65
	11.0	9.8	136.73	34.86	128.13	33.78	118.77	32.97	113.19	32.21	108.81	31.94	99.59	30.48
	13.0	11.8	136.73	34.08	128.13	32.95	118.77	31.99	113.19	31.75	108.81	31.32	99.59	29.91
15.0	13.7	136.73	33.36	128.13	32.03	118.77	31.09	113.19	30.58	108.81	30.24	99.59	28.78	
18.0	16.6	138.21	31.31	129.11	30.00	119.36	29.12	113.49	28.49	108.87	28.14	99.59	26.72	
21.0	19.5	139.02	29.19	129.46	27.80	119.36	26.94	113.49	26.38	108.87	26.06	99.59	24.76	
24.0	22.4	139.14	26.90	129.46	25.69	119.36	24.81	113.49	24.34	108.87	24.02	99.59	22.87	
27.0	25.3	139.14	24.73	129.46	23.53	119.36	22.80	113.49	22.27	108.87	22.05	99.59	20.96	
30.0	28.1	139.14	22.56	129.46	21.53	119.36	20.82	113.49	20.35	108.87	20.16	99.59	19.14	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.25: 30HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	74.25	27.36	74.06	27.99	73.76	28.74	75.24	28.80	74.10	28.99	74.36	29.84
	-25.0	-25.4	75.77	27.30	75.57	27.99	75.27	28.74	76.77	28.80	75.61	29.05	75.88	29.84
	-19.8	-20.0	79.05	27.75	78.90	28.46	78.66	29.07	80.12	29.17	78.89	29.38	79.19	30.29
	-18.8	-19.0	79.67	28.11	79.52	28.80	79.29	29.55	80.75	29.27	79.52	29.70	79.82	30.30
	-16.7	-17.0	80.90	28.55	80.75	29.23	80.51	29.87	82.00	29.78	81.06	30.02	81.07	30.73
	-13.7	-15.0	82.12	28.77	81.98	29.55	81.75	30.16	83.26	29.96	82.31	30.22	82.32	31.05
	-11.8	-13.0	83.36	29.23	83.21	29.92	83.30	30.65	84.52	30.24	83.55	30.52	83.57	31.44
	-9.8	-11.0	84.59	29.26	84.44	29.98	84.52	30.59	85.77	30.82	84.79	30.98	84.81	31.85
	-9.5	-10.0	85.20	29.58	85.37	30.22	85.15	30.95	86.41	30.90	85.42	31.34	85.43	32.14
	-8.5	-9.1	85.82	29.87	85.68	30.54	85.76	31.24	87.03	31.23	86.04	31.62	86.06	32.51
	-7.0	-7.6	86.74	30.26	86.61	30.96	86.69	31.62	87.97	31.72	86.96	31.99	86.99	32.59
	-5.0	-5.6	93.51	30.59	93.38	31.26	93.17	31.99	94.89	31.96	93.80	32.11	91.36	32.31
	-3.0	-3.7	94.74	30.87	94.62	31.48	94.40	32.15	96.15	32.26	95.05	32.53	91.36	31.70
	0.0	-0.7	96.59	31.60	96.47	32.29	96.56	32.93	98.04	32.56	96.91	32.86	91.36	31.21
	3.0	2.2	105.50	33.01	105.71	33.68	105.50	34.31	104.63	33.89	99.39	33.13	91.36	31.04
	5.0	4.1	123.03	33.98	114.95	36.03	107.05	33.56	104.63	33.29	99.39	32.29	91.36	30.92
	7.0	6.0	123.03	34.72	114.95	33.90	107.05	31.87	104.63	31.62	99.39	30.82	91.36	30.06
	9.0	7.9	123.03	33.05	114.95	32.08	107.05	30.79	104.63	30.80	99.39	30.12	91.36	29.63
	11.0	9.8	123.03	31.90	114.95	30.83	107.05	29.91	104.63	29.66	99.39	29.14	91.36	28.58
13.0	11.8	123.03	31.02	114.95	29.87	107.05	28.90	104.63	28.88	99.39	28.12	91.36	27.64	
15.0	13.7	123.03	30.07	114.95	28.98	107.05	27.91	104.63	27.84	99.39	27.19	91.36	26.66	
18.0	16.6	124.37	28.31	115.84	27.08	107.58	26.11	104.91	25.96	99.44	25.28	91.36	24.80	
21.0	19.5	125.10	26.31	116.15	25.22	107.58	24.20	104.91	24.09	99.44	23.45	91.36	22.92	
24.0	22.4	125.20	24.27	116.15	23.20	107.58	22.29	104.91	22.18	99.44	21.57	91.36	21.17	
27.0	25.3	125.20	22.31	116.15	21.30	107.58	20.49	104.91	20.35	99.44	19.81	91.36	19.38	
30.0	28.1	125.20	20.38	116.15	19.47	107.58	18.65	104.91	18.56	99.44	18.13	91.36	17.75	
100%	-30.0	-30.5	73.53	33.74	74.09	34.58	72.28	34.40	73.79	35.10	72.85	34.85	73.49	35.73
	-25.0	-25.4	75.03	33.77	75.60	34.58	73.75	34.37	75.29	35.13	74.34	34.82	74.99	35.83
	-19.8	-20.0	78.51	33.74	79.13	34.62	77.21	34.58	78.82	35.21	77.83	34.96	78.51	35.55
	-18.8	-19.0	79.73	33.85	80.36	34.67	78.41	34.70	80.05	35.18	79.03	34.97	79.74	35.27
	-16.7	-17.0	80.94	33.86	81.59	34.75	79.92	34.71	81.29	35.30	80.25	35.05	80.98	35.05
	-13.7	-15.0	82.16	33.98	82.83	34.69	81.13	34.79	82.52	35.37	81.47	35.02	82.20	34.66
	-11.8	-13.0	83.37	34.05	84.05	34.87	82.33	34.80	83.75	35.35	82.68	35.06	82.20	34.25
	-9.8	-11.0	83.99	34.06	84.98	34.84	82.94	34.91	84.67	35.42	83.29	35.18	82.20	34.24
	-9.5	-10.0	84.59	34.14	85.29	34.91	83.54	34.92	84.98	35.39	83.90	35.25	82.20	33.92
	-8.5	-9.1	85.51	34.11	86.52	34.89	84.44	35.07	85.90	35.44	84.81	35.29	82.20	33.39
	-7.0	-7.6	92.20	34.18	92.99	34.86	91.08	35.78	92.68	36.83	88.46	34.56	82.20	33.34
	-5.0	-5.6	93.42	34.26	94.22	34.95	92.29	34.95	93.29	35.72	88.46	33.52	82.20	32.38
	-3.0	-3.7	95.25	34.30	96.07	35.01	94.10	33.83	93.29	33.69	88.46	32.49	82.20	31.24
	0.0	-0.7	97.68	34.31	104.38	34.96	95.00	32.86	93.29	32.16	88.46	30.90	82.20	29.96
	3.0	2.2	104.06	33.65	104.38	34.06	95.00	31.92	93.29	30.56	88.46	29.02	82.20	28.41
	5.0	4.1	110.46	33.09	104.38	32.45	95.00	30.44	93.29	29.19	88.46	27.85	82.20	27.18
	7.0	6.0	110.46	32.74	104.38	30.82	95.00	28.44	93.29	27.61	88.46	26.72	82.20	26.01
	9.0	7.9	110.46	30.78	104.38	29.16	95.00	27.70	93.29	26.95	88.46	25.88	82.20	25.17
	11.0	9.8	110.46	28.83	104.38	27.37	95.00	26.79	93.29	25.91	88.46	24.93	82.20	24.06
	13.0	11.8	110.46	27.05	104.38	26.72	95.00	25.76	93.29	24.94	88.46	24.08	82.20	23.27
15.0	13.7	110.46	25.75	104.38	25.56	95.00	24.80	93.29	24.07	88.46	23.23	82.20	22.40	
18.0	16.6	110.46	23.95	104.38	23.73	95.00	23.07	93.29	22.36	88.46	21.61	82.20	20.77	
21.0	19.5	110.46	22.18	104.38	22.00	95.00	21.32	93.29	20.71	88.46	20.03	82.20	19.27	
24.0	22.4	110.46	20.38	104.38	20.25	95.00	19.67	93.29	19.14	88.46	18.43	82.20	17.76	
27.0	25.3	110.46	18.70	104.38	18.60	95.00	18.06	93.29	17.54	88.46	16.92	82.20	16.31	
30.0	28.1	110.46	17.09	104.38	16.97	95.00	16.50	93.29	16.02	88.46	15.47	82.20	14.88	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table 2-8.25:30HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	74.46	34.45	74.92	35.21	74.10	35.34	73.12	35.34	74.47	36.16	73.05	33.53
	-25.0	-25.4	75.98	34.48	76.45	35.24	75.62	35.27	74.61	35.27	75.99	36.06	74.54	33.50
	-19.8	-20.0	79.20	34.99	79.80	35.78	78.88	35.85	77.90	35.67	79.34	36.56	74.54	32.83
	-18.8	-19.0	79.83	35.07	80.44	35.82	79.50	36.00	78.51	35.75	79.96	36.36	74.54	32.46
	-16.7	-17.0	81.06	35.15	81.69	35.94	81.07	36.04	79.74	35.69	81.22	35.63	74.54	31.82
	-13.7	-15.0	82.31	35.12	82.95	35.99	82.32	36.12	80.98	35.80	82.17	34.91	74.54	31.16
	-11.8	-13.0	83.55	35.31	84.21	35.99	83.57	36.06	82.20	35.27	82.17	34.25	74.54	30.63
	-9.8	-11.0	84.79	35.28	85.77	36.04	84.81	36.10	83.75	34.56	82.17	33.65	74.54	30.04
	-9.5	-10.0	85.42	35.32	86.41	36.08	85.43	36.15	84.05	34.26	82.17	33.31	74.54	29.71
	-8.5	-9.1	86.04	35.40	86.72	36.19	86.06	36.10	84.05	33.97	82.17	32.98	74.54	29.49
	-7.0	-7.6	86.96	35.41	87.97	35.70	86.99	35.59	84.05	33.51	82.17	32.55	74.54	29.01
	-5.0	-5.6	93.80	35.43	94.58	34.13	88.55	34.13	84.05	32.35	82.17	31.50	74.54	28.14
	-3.0	-3.7	95.05	35.55	95.83	32.59	88.55	32.37	84.05	31.22	82.17	30.44	74.54	27.50
	0.0	-0.7	96.91	35.57	95.83	30.92	88.55	30.99	84.05	29.75	82.17	29.02	74.54	26.75
	3.0	2.2	101.57	35.62	95.83	29.29	88.55	29.30	84.05	28.54	82.17	27.72	74.54	25.86
	5.0	4.1	101.57	34.77	95.83	27.93	88.55	27.97	84.05	27.16	82.17	26.43	74.54	24.83
	7.0	6.0	101.57	30.25	95.83	27.42	88.55	26.16	84.05	24.77	82.17	24.28	74.54	22.12
	9.0	7.9	101.57	28.34	95.83	26.90	88.55	24.79	84.05	23.60	82.17	23.23	74.54	21.25
	11.0	9.8	101.57	26.73	95.83	25.37	88.55	23.62	84.05	22.53	82.17	22.19	74.54	20.48
	13.0	11.8	101.57	25.28	95.83	24.12	88.55	22.61	84.05	21.65	82.17	21.34	74.54	19.78
15.0	13.7	101.57	24.17	95.83	23.28	88.55	21.82	84.05	20.94	82.17	20.74	74.54	19.35	
18.0	16.6	101.57	22.47	95.83	21.59	88.55	20.30	84.05	19.54	82.17	19.31	74.54	18.02	
21.0	19.5	101.57	20.80	95.83	19.99	88.55	18.83	84.05	18.09	82.17	17.86	74.54	16.66	
24.0	22.4	101.57	19.23	95.83	18.44	88.55	17.33	84.05	16.67	82.17	16.46	74.54	15.37	
27.0	25.3	101.57	17.64	95.83	16.94	88.55	15.93	84.05	15.28	82.17	15.11	74.54	14.10	
30.0	28.1	101.57	16.11	95.83	15.44	88.55	14.54	84.05	13.93	82.17	13.83	74.54	12.86	
80%	-30.0	-30.5	73.93	36.35	73.33	36.65	73.90	35.58	73.09	33.93	71.06	32.73	64.96	29.70
	-25.0	-25.4	75.44	36.38	74.83	36.58	75.41	35.61	74.58	33.86	72.51	32.76	66.29	29.70
	-19.8	-20.0	78.43	34.96	77.82	35.16	77.74	34.14	74.58	32.54	72.51	31.25	66.29	28.22
	-18.8	-19.0	79.06	35.07	78.43	35.27	77.74	33.84	74.58	32.14	72.51	30.93	66.29	27.96
	-16.7	-17.0	80.28	35.08	79.67	35.25	77.74	33.14	74.58	31.54	72.51	30.38	66.29	27.35
	-13.7	-15.0	81.52	35.09	80.90	35.32	77.74	32.48	74.58	30.93	72.51	29.77	66.29	26.87
	-11.8	-13.0	82.76	35.20	82.12	34.63	77.74	31.75	74.58	30.28	72.51	29.13	66.29	26.43
	-9.8	-11.0	83.99	35.18	83.36	34.03	77.74	31.15	74.58	29.73	72.51	28.65	66.29	25.88
	-9.5	-10.0	84.61	35.25	83.36	33.66	77.74	30.87	74.58	29.47	72.51	28.36	66.29	25.68
	-8.5	-9.1	85.23	35.26	83.36	33.35	77.74	30.57	74.58	29.23	72.51	28.11	66.29	25.45
	-7.0	-7.6	86.15	35.37	83.36	32.82	77.74	30.15	74.58	28.79	72.51	27.76	66.29	25.09
	-5.0	-5.6	89.86	34.63	83.36	31.75	77.74	29.30	74.58	27.92	72.51	26.94	66.29	24.40
	-3.0	-3.7	89.86	35.90	83.36	30.63	77.74	28.00	74.58	26.89	72.51	25.94	66.29	23.67
	0.0	-0.7	89.86	35.44	83.36	29.19	77.74	27.08	74.58	26.10	72.51	25.14	66.29	23.14
	3.0	2.2	89.86	32.66	83.36	27.54	77.74	25.47	74.58	25.15	72.51	24.26	66.29	22.24
	5.0	4.1	89.86	29.89	83.36	26.10	77.74	24.37	74.58	24.12	72.51	23.07	66.29	21.74
	7.0	6.0	89.86	26.19	83.36	24.36	77.74	22.72	74.58	21.81	72.51	21.22	66.29	19.54
	9.0	7.9	89.86	24.85	83.36	23.20	77.74	21.81	74.58	21.02	72.51	20.43	66.29	18.99
	11.0	9.8	89.86	23.64	83.36	22.19	77.74	20.91	74.58	20.21	72.51	19.75	66.29	18.50
	13.0	11.8	89.86	22.56	83.36	21.28	77.74	20.19	74.58	19.57	72.51	19.17	66.29	18.05
15.0	13.7	89.86	21.74	83.36	20.64	77.74	19.67	74.58	19.15	72.51	18.80	66.29	17.76	
18.0	16.6	89.86	20.22	83.36	19.20	77.74	18.28	74.58	17.76	72.51	17.45	66.29	16.47	
21.0	19.5	89.86	18.72	83.36	17.72	77.74	16.94	74.58	16.45	72.51	16.14	66.29	15.30	
24.0	22.4	89.86	17.27	83.36	16.35	77.74	15.62	74.58	15.16	72.51	14.91	66.29	14.07	
27.0	25.3	89.86	15.86	83.36	15.03	77.74	14.30	74.58	13.91	72.51	13.69	66.29	12.94	
30.0	28.1	89.86	14.49	83.36	13.69	77.74	13.07	74.58	12.74	72.51	12.50	66.29	11.78	

Abbreviations:  
 CR: Combination ratio  
 TC: Total capacity (kW)  
 PI: Power input (compressor + outdoor fan motor) (kW)  
 Notes:  
 Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.25: 30HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-30.0	-30.5	77.67	37.50	72.14	34.25	67.40	33.66	64.78	33.18	62.33	32.76	57.58	31.69
	-25.0	-25.4	79.25	37.46	73.62	34.25	68.77	33.63	66.11	33.11	63.60	32.76	58.76	31.78
	-19.8	-20.0	79.25	35.68	73.62	32.40	68.77	31.79	66.11	31.30	63.60	30.83	58.76	29.80
	-18.8	-19.0	79.88	35.23	73.62	32.11	68.77	31.52	66.11	30.93	63.60	30.49	58.76	29.49
	-16.7	-17.0	79.88	34.53	73.62	31.38	68.77	30.93	66.11	30.32	63.60	29.97	58.76	28.96
	-13.7	-15.0	79.88	33.82	73.62	30.78	68.77	30.28	66.11	29.79	63.60	29.40	58.76	28.34
	-11.8	-13.0	79.88	33.23	73.62	30.22	68.77	29.86	66.11	29.28	63.60	28.84	58.76	27.85
	-9.8	-11.0	79.88	32.60	73.62	29.63	68.77	29.23	66.11	28.73	63.60	28.26	58.76	27.27
	-9.5	-10.0	79.88	32.27	73.62	29.35	68.77	28.52	66.11	28.02	63.60	27.56	58.76	26.51
	-8.5	-9.1	79.88	32.00	73.62	29.15	68.77	27.62	66.11	27.03	63.60	26.65	58.76	25.59
	-7.0	-7.6	79.88	31.54	73.62	28.73	68.77	26.38	66.11	25.84	63.60	25.43	58.76	24.34
	-5.0	-5.6	79.88	30.50	73.62	27.84	68.77	25.71	66.11	25.12	63.60	24.71	58.76	23.68
	-3.0	-3.7	79.88	28.89	73.62	27.05	68.77	24.96	66.11	24.37	63.60	23.93	58.76	22.90
	0.0	-0.7	79.88	27.34	73.62	25.82	68.77	23.84	66.11	23.27	63.60	22.85	58.76	21.81
	3.0	2.2	79.88	25.87	73.62	24.38	68.77	22.39	66.11	21.85	63.60	21.41	58.76	20.32
	5.0	4.1	79.88	24.61	73.62	22.85	68.77	21.53	66.11	20.96	63.60	20.59	58.76	19.51
	7.0	6.0	79.88	23.73	73.62	21.84	68.77	20.43	66.11	19.94	63.60	19.53	58.76	18.41
	9.0	7.9	79.88	22.63	73.62	21.04	68.77	19.74	66.11	19.16	63.60	18.78	58.76	17.72
	11.0	9.8	79.88	21.80	73.62	20.35	68.77	18.96	66.11	18.42	63.60	17.97	58.76	16.91
	13.0	11.8	79.88	20.95	73.62	19.51	68.77	18.06	66.11	17.48	63.60	17.10	58.76	15.99
15.0	13.7	79.88	20.21	73.62	18.64	68.77	17.38	66.11	16.80	63.60	16.37	58.76	15.28	
18.0	16.6	79.88	18.82	73.62	17.34	68.77	16.12	66.11	15.63	63.60	15.20	58.76	14.21	
21.0	19.5	79.88	17.37	73.62	16.02	68.77	14.96	66.11	14.47	63.60	14.07	58.76	13.16	
24.0	22.4	79.88	16.04	73.62	14.75	68.77	13.77	66.11	13.30	63.60	13.01	58.76	12.10	
27.0	25.3	79.88	14.71	73.62	13.55	68.77	12.66	66.11	12.20	63.60	11.90	58.76	11.09	
30.0	28.1	79.88	13.44	73.62	12.38	68.77	11.55	66.11	11.17	63.60	10.88	58.76	10.13	
60%	-30.0	-30.5	67.13	34.82	61.67	32.41	57.20	30.94	55.61	30.47	52.45	28.86	49.17	27.86
	-25.0	-25.4	68.50	34.92	62.93	32.35	58.36	30.85	56.75	30.50	53.53	28.86	50.17	27.84
	-19.8	-20.0	68.50	33.01	62.93	30.86	58.36	29.68	56.75	29.17	53.53	27.45	50.17	26.45
	-18.8	-19.0	68.50	32.17	62.93	29.80	58.36	28.69	56.75	28.23	53.53	26.38	50.17	25.50
	-16.7	-17.0	68.50	31.12	62.93	28.93	58.36	27.80	56.75	27.11	53.53	25.39	50.17	24.44
	-13.7	-15.0	68.50	30.13	62.93	28.07	58.36	26.89	56.75	26.09	53.53	24.40	50.17	23.40
	-11.8	-13.0	68.50	29.04	62.93	27.01	58.36	25.93	56.75	25.20	53.53	23.36	50.17	22.42
	-9.8	-11.0	68.50	28.07	62.93	25.98	58.36	24.62	56.75	24.05	53.53	22.35	50.17	21.56
	-9.5	-10.0	68.50	27.04	62.93	24.93	58.36	23.67	56.75	22.98	53.53	21.41	50.17	20.36
	-8.5	-9.1	68.50	25.91	62.93	24.09	58.36	22.64	56.75	22.02	53.53	20.41	50.17	19.24
	-7.0	-7.6	68.50	24.98	62.93	22.99	58.36	21.85	56.75	21.27	53.53	19.59	50.17	18.39
	-5.0	-5.6	68.50	24.05	62.93	22.21	58.36	20.74	56.75	20.37	53.53	18.84	50.17	17.49
	-3.0	-3.7	68.50	23.22	62.93	21.33	58.36	19.88	56.75	19.61	53.53	17.99	50.17	16.90
	0.0	-0.7	68.50	22.26	62.93	20.44	58.36	18.97	56.75	18.61	53.53	17.08	50.17	16.58
	3.0	2.2	68.50	21.31	62.93	19.47	58.36	18.26	56.75	17.90	53.53	16.20	50.17	15.95
	5.0	4.1	68.50	20.18	62.93	18.63	58.36	17.59	56.75	17.10	53.53	15.87	50.17	15.65
	7.0	6.0	68.50	19.25	62.93	17.83	58.36	16.75	56.75	16.38	53.53	15.80	50.17	15.32
	9.0	7.9	68.50	18.91	62.93	17.45	58.36	16.45	56.75	16.03	53.53	15.10	50.17	14.68
	11.0	9.8	68.50	18.65	62.93	17.18	58.36	16.05	56.75	15.65	53.53	14.79	50.17	14.36
	13.0	11.8	68.50	18.06	62.93	16.64	58.36	15.53	56.75	15.29	53.53	14.50	50.17	14.06
15.0	13.7	68.50	17.85	62.93	16.27	58.36	15.09	56.75	14.94	53.53	14.14	50.17	13.68	
18.0	16.6	68.50	16.59	62.93	15.15	58.36	14.02	56.75	13.89	53.53	13.12	50.17	12.69	
21.0	19.5	68.50	15.39	62.93	14.00	58.36	13.02	56.75	12.86	53.53	12.14	50.17	11.76	
24.0	22.4	68.50	14.18	62.93	12.91	58.36	11.99	56.75	11.83	53.53	11.19	50.17	10.86	
27.0	25.3	68.50	13.01	62.93	11.88	58.36	11.00	56.75	10.86	53.53	10.28	50.17	9.93	
30.0	28.1	68.50	11.89	62.93	10.83	58.36	10.02	56.75	9.90	53.53	9.38	50.17	9.08	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.25:30HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-30.0	-30.5	55.02	28.33	52.40	27.28	48.23	25.84	46.45	25.40	43.79	24.28	40.60	22.87
	-25.0	-25.4	56.15	28.39	53.47	27.31	49.22	25.84	47.40	25.38	44.69	24.33	41.43	22.94
	-19.8	-20.0	56.15	26.85	53.47	26.05	49.22	24.86	47.40	24.30	44.69	23.18	41.43	21.75
	-18.8	-19.0	56.15	26.16	53.47	25.15	49.22	23.94	47.40	23.51	44.69	22.32	41.43	20.96
	-16.7	-17.0	56.15	25.37	53.47	24.37	49.22	23.24	47.40	22.59	44.69	21.48	41.43	20.13
	-13.7	-15.0	56.15	24.41	53.47	23.63	49.22	22.49	47.40	21.75	44.69	20.63	41.43	19.26
	-11.8	-13.0	56.15	23.56	53.47	22.80	49.22	21.61	47.40	21.02	44.69	19.81	41.43	18.42
	-9.8	-11.0	56.15	22.86	53.47	21.93	49.22	20.56	47.40	20.04	44.69	18.95	41.43	17.72
	-9.5	-10.0	56.15	22.04	53.47	21.09	49.22	19.77	47.40	19.21	44.69	18.16	41.43	16.75
	-8.5	-9.1	56.15	21.08	53.47	20.29	49.22	18.93	47.40	18.37	44.69	17.34	41.43	15.80
	-7.0	-7.6	56.15	20.30	53.47	19.46	49.22	18.29	47.40	17.77	44.69	16.71	41.43	15.10
	-5.0	-5.6	56.15	19.55	53.47	18.74	49.22	17.36	47.40	17.01	44.69	16.06	41.43	14.39
	-3.0	-3.7	56.15	18.85	53.47	17.97	49.22	16.60	47.40	16.30	44.69	15.32	41.43	13.90
	0.0	-0.7	56.15	18.14	53.47	17.27	49.22	15.86	47.40	15.53	44.69	14.58	41.43	13.62
	3.0	2.2	56.15	17.31	53.47	16.41	49.22	15.23	47.40	14.90	44.69	13.86	41.43	13.58
	5.0	4.1	56.15	16.40	53.47	15.75	49.22	14.69	47.40	14.24	44.69	13.55	41.43	13.44
	7.0	6.0	56.15	15.68	53.47	15.06	49.22	13.99	47.40	13.67	44.69	13.35	41.43	13.05
	9.0	7.9	56.15	15.41	53.47	14.73	49.22	13.77	47.40	13.32	44.69	12.81	41.43	12.63
	11.0	9.8	56.15	15.15	53.47	14.50	49.22	13.39	47.40	13.03	44.69	12.59	41.43	12.39
	13.0	11.8	56.15	14.70	53.47	14.02	49.22	12.99	47.40	12.74	44.69	12.30	41.43	12.11
15.0	13.7	56.15	14.53	53.47	13.75	49.22	12.62	47.40	12.45	44.69	11.95	41.43	11.77	
18.0	16.6	56.15	13.51	53.47	12.76	49.22	11.74	47.40	11.59	44.69	11.11	41.43	10.98	
21.0	19.5	56.15	12.48	53.47	11.82	49.22	10.87	47.40	10.73	44.69	10.28	41.43	10.17	
24.0	22.4	56.15	11.50	53.47	10.90	49.22	10.02	47.40	9.89	44.69	9.48	41.43	9.37	
27.0	25.3	56.15	10.57	53.47	10.00	49.22	9.18	47.40	9.06	44.69	8.70	41.43	8.58	
30.0	28.1	56.15	9.64	53.47	9.14	49.22	8.38	47.40	8.28	44.69	7.95	41.43	7.85	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# HV8SO VRF 50Hz

Table 2-8.26: 32HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-30.0	-30.5	78.81	27.19	78.72	27.75	77.01	28.83	77.64	29.96	76.54	30.40	75.58	30.63
	-25.0	-25.4	80.42	27.14	80.32	27.72	78.58	28.80	79.22	29.93	78.10	30.34	77.12	30.60
	-19.8	-20.0	84.53	27.83	84.45	28.53	84.04	30.00	84.69	31.09	83.56	31.51	82.66	31.75
	-18.8	-19.0	85.18	28.42	85.10	28.91	84.70	30.26	85.68	31.43	84.20	31.75	83.31	31.89
	-16.7	-17.0	86.49	28.74	86.41	29.42	86.00	30.52	87.00	31.76	85.51	32.17	84.61	32.48
	-13.7	-15.0	87.79	29.01	87.72	29.92	87.31	31.16	88.32	32.28	86.81	32.71	85.91	32.83
	-11.8	-13.0	89.10	29.48	89.03	30.32	88.61	31.70	89.64	32.89	88.12	33.20	87.53	33.33
	-9.8	-11.0	90.40	29.99	90.34	30.95	89.92	32.03	90.97	33.22	89.75	33.62	88.82	33.40
	-9.5	-10.0	91.06	30.44	90.99	31.24	90.91	32.55	91.62	33.73	90.40	34.12	89.47	33.90
	-8.5	-9.1	91.71	30.81	91.64	31.72	91.24	32.85	92.29	34.03	91.06	34.41	90.12	34.32
	-7.0	-7.6	92.69	30.83	92.63	32.13	92.54	33.22	93.29	34.33	92.04	34.93	91.09	34.78
	-5.0	-5.6	99.87	32.17	99.83	33.03	99.41	34.26	100.56	35.64	98.89	35.19	97.90	35.22
	-3.0	-3.7	101.17	32.95	101.14	33.50	100.72	34.75	101.88	36.17	100.19	35.62	99.20	35.64
	0.0	-0.7	103.13	33.98	103.10	33.82	102.68	35.20	103.87	36.59	102.15	36.09	101.46	35.92
	3.0	2.2	113.94	35.86	112.92	36.08	112.49	37.09	113.46	38.11	111.95	37.98	110.86	38.10
	5.0	4.1	141.65	43.46	136.36	42.99	134.07	42.85	130.33	41.97	123.37	40.83	112.49	38.79
	7.0	6.0	143.92	43.68	138.98	41.80	134.07	40.71	130.33	40.09	123.37	39.13	112.49	37.56
	9.0	7.9	143.92	41.55	138.98	39.83	134.07	39.51	130.33	39.35	123.37	38.25	112.49	36.70
	11.0	9.8	143.92	39.57	138.98	38.23	134.07	38.05	130.33	38.08	123.37	37.12	112.49	35.21
	13.0	11.8	143.92	37.71	138.98	37.11	134.07	37.06	130.33	37.47	123.37	36.27	112.49	34.55
15.0	13.7	143.92	36.54	138.98	36.27	134.07	36.04	130.33	35.96	123.37	35.24	112.49	33.31	
18.0	16.6	145.49	34.36	140.04	34.03	134.74	33.66	130.67	33.50	123.43	32.76	112.49	31.04	
21.0	19.5	146.34	32.00	140.42	31.54	134.74	31.22	130.67	31.02	123.43	30.40	112.49	28.72	
24.0	22.4	146.47	29.52	140.42	29.12	134.74	28.75	130.67	28.56	123.43	27.99	112.49	26.44	
27.0	25.3	146.47	27.00	140.42	26.72	134.74	26.35	130.67	26.26	123.43	25.65	112.49	24.28	
30.0	28.1	146.47	24.66	140.42	24.40	134.74	24.04	130.67	23.93	123.43	23.45	112.49	22.17	
120%	-30.0	-30.5	78.80	29.89	77.20	30.47	78.48	32.04	78.22	32.85	76.53	33.10	76.30	33.51
	-25.0	-25.4	80.41	29.86	78.77	30.44	80.08	32.04	79.82	32.85	78.10	33.10	77.86	33.51
	-19.8	-20.0	85.25	30.65	83.54	31.15	84.67	32.63	84.67	33.43	82.89	33.61	82.56	34.22
	-18.8	-19.0	85.91	31.10	84.19	31.26	85.33	33.28	85.33	33.98	83.54	34.15	83.21	34.63
	-16.7	-17.0	87.24	31.60	85.49	31.71	86.65	33.66	86.65	34.43	84.84	34.60	84.84	34.66
	-13.7	-15.0	88.56	31.95	86.79	32.35	87.98	33.85	87.98	34.60	86.46	34.82	86.14	35.04
	-11.8	-13.0	89.88	32.46	88.09	32.63	89.44	34.29	89.30	35.04	87.76	35.22	87.44	35.43
	-9.8	-11.0	91.20	32.66	89.39	32.92	90.96	34.64	90.62	35.42	89.06	35.57	88.74	36.16
	-9.5	-10.0	91.86	33.04	90.04	33.20	91.62	34.92	91.29	35.74	89.72	35.77	89.39	36.54
	-8.5	-9.1	92.52	33.32	90.69	33.59	92.28	35.25	91.95	36.09	90.36	36.22	90.04	36.61
	-7.0	-7.6	93.51	33.89	91.66	34.17	93.27	35.74	92.95	36.48	91.34	36.61	91.02	36.96
	-5.0	-5.6	100.79	34.19	98.82	34.44	100.22	36.08	100.22	36.85	98.49	36.94	98.16	37.66
	-3.0	-3.7	102.11	34.87	100.12	35.03	101.54	36.47	101.54	37.32	99.46	37.43	99.46	37.82
	0.0	-0.7	104.09	35.31	102.07	35.45	103.53	36.82	103.53	37.67	101.75	37.66	101.42	38.05
	3.0	2.2	113.67	37.44	111.82	37.77	113.45	38.66	113.12	39.48	111.17	39.58	104.02	37.66
	5.0	4.1	143.08	41.97	132.30	40.78	125.02	40.86	120.07	39.96	113.44	38.87	104.02	36.59
	7.0	6.0	144.07	41.59	132.30	39.11	125.02	38.76	120.07	38.14	113.44	37.19	104.02	35.66
	9.0	7.9	144.07	39.79	132.30	37.40	125.02	37.54	120.07	36.82	113.44	36.20	104.02	34.57
	11.0	9.8	144.07	38.56	132.30	36.51	125.02	36.36	120.07	35.74	113.44	34.78	104.02	33.33
	13.0	11.8	144.07	37.52	132.30	35.61	125.02	35.28	120.07	35.15	113.44	34.24	104.02	32.64
15.0	13.7	144.07	36.80	132.30	34.55	125.02	34.27	120.07	33.92	113.44	32.99	104.02	31.40	
18.0	16.6	145.63	34.54	133.32	32.45	125.65	32.10	120.38	31.64	113.50	30.80	104.02	29.27	
21.0	19.5	146.49	32.17	133.67	30.07	125.65	29.72	120.38	29.29	113.50	28.43	104.02	27.10	
24.0	22.4	146.61	29.70	133.67	27.74	125.65	27.42	120.38	27.02	113.50	26.28	104.02	24.98	
27.0	25.3	146.61	27.25	133.67	25.40	125.65	25.13	120.38	24.77	113.50	24.09	104.02	22.89	
30.0	28.1	146.61	24.89	133.67	23.24	125.65	22.97	120.38	22.62	113.50	22.00	104.02	20.93	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.26:32HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-30.0	-30.5	80.07	30.89	77.88	30.85	79.24	32.29	79.35	31.77	79.07	32.36	79.03	33.27
	-25.0	-25.4	81.71	30.92	79.47	30.82	80.86	32.29	80.97	31.80	80.68	32.45	80.64	33.24
	-19.8	-20.0	85.25	31.36	82.97	31.24	84.50	32.73	84.50	32.18	84.17	32.85	84.17	33.64
	-18.8	-19.0	85.91	31.77	83.61	31.73	85.17	33.24	85.17	32.23	84.84	33.20	84.84	33.78
	-16.7	-17.0	87.24	32.20	84.91	32.25	86.49	33.63	86.49	32.91	86.49	33.55	86.16	34.19
	-13.7	-15.0	88.56	32.52	86.21	32.50	87.82	33.99	87.82	33.05	87.82	33.79	87.49	34.62
	-11.8	-13.0	89.89	33.06	87.50	32.97	89.47	34.43	89.15	33.43	89.15	34.09	88.81	34.99
	-9.8	-11.0	91.22	33.01	88.80	32.95	90.80	34.38	90.47	34.00	90.47	34.56	90.14	35.47
	-9.5	-10.0	91.89	33.34	89.78	33.27	91.46	34.77	91.13	34.15	91.13	34.90	90.80	35.77
	-8.5	-9.1	92.54	33.76	90.10	33.69	92.12	35.21	91.80	34.44	91.80	35.30	91.46	36.17
	-7.0	-7.6	93.54	34.09	91.08	34.05	93.12	35.47	92.79	35.05	92.79	35.67	92.46	36.27
	-5.0	-5.6	100.84	34.52	98.20	34.42	100.08	36.02	100.08	35.32	100.08	35.91	97.10	35.89
	-3.0	-3.7	102.17	34.76	99.50	34.73	101.40	36.23	101.40	35.69	101.40	36.38	97.10	35.23
	0.0	-0.7	104.15	35.71	101.45	35.55	103.73	37.04	103.40	35.99	103.40	36.66	97.10	34.83
	3.0	2.2	113.78	37.20	111.17	37.04	113.33	38.67	110.35	37.31	106.05	37.05	97.10	34.51
	5.0	4.1	132.68	40.72	120.89	39.54	114.99	37.75	110.35	36.65	106.05	36.00	97.10	34.34
	7.0	6.0	132.68	39.13	120.89	37.25	114.99	35.81	110.35	34.85	106.05	34.42	97.10	33.47
	9.0	7.9	132.68	37.39	120.89	35.35	114.99	34.60	110.35	34.05	106.05	33.67	97.10	32.87
	11.0	9.8	132.68	36.09	120.89	34.01	114.99	33.64	110.35	32.76	106.05	32.61	97.10	31.85
	13.0	11.8	132.68	34.96	120.89	32.99	114.99	32.53	110.35	31.82	106.05	31.44	97.10	30.72
15.0	13.7	132.68	33.96	120.89	31.83	114.99	31.46	110.35	30.73	106.05	30.37	97.10	29.69	
18.0	16.6	134.12	32.00	121.82	29.84	115.57	29.35	110.64	28.69	106.10	28.24	97.10	27.57	
21.0	19.5	134.90	29.72	122.14	27.73	115.57	27.26	110.64	26.57	106.10	26.22	97.10	25.52	
24.0	22.4	135.02	27.41	122.14	25.58	115.57	25.08	110.64	24.49	106.10	24.12	97.10	23.53	
27.0	25.3	135.02	25.15	122.14	23.40	115.57	23.03	110.64	22.42	106.10	22.15	97.10	21.58	
30.0	28.1	135.02	22.99	122.14	21.37	115.57	20.99	110.64	20.48	106.10	20.23	97.10	19.71	
100%	-30.0	-30.5	77.55	37.29	77.76	37.95	76.08	37.88	77.67	38.75	77.67	38.86	77.21	39.40
	-25.0	-25.4	79.13	37.36	79.35	37.95	77.63	37.88	79.26	38.71	79.26	38.98	78.78	39.40
	-19.8	-20.0	82.80	37.36	83.05	38.00	81.27	38.14	82.97	38.79	82.97	38.98	82.48	39.02
	-18.8	-19.0	84.08	37.38	84.35	38.02	82.54	38.16	84.27	38.77	84.27	39.07	83.78	38.82
	-16.7	-17.0	85.37	37.50	85.64	38.06	84.13	38.25	85.56	38.90	85.56	39.04	85.07	38.59
	-13.7	-15.0	86.65	37.51	86.93	38.10	85.40	38.29	86.86	38.86	86.86	39.17	86.37	38.16
	-11.8	-13.0	87.93	37.53	88.23	38.27	86.67	38.38	88.16	39.07	88.16	39.17	86.37	37.67
	-9.8	-11.0	88.58	37.68	89.19	38.32	87.30	38.46	89.13	39.03	88.80	39.19	86.37	37.58
	-9.5	-10.0	89.22	37.72	89.52	38.29	87.94	38.48	89.45	39.08	89.45	39.27	86.37	37.30
	-8.5	-9.1	90.19	37.74	90.81	38.37	88.89	38.60	90.42	39.04	90.42	39.27	86.37	36.77
	-7.0	-7.6	97.24	37.78	97.59	38.38	95.87	39.43	97.56	40.47	94.31	38.50	86.37	36.67
	-5.0	-5.6	98.53	37.83	98.88	38.37	97.14	38.51	98.20	39.36	94.31	37.42	86.37	35.61
	-3.0	-3.7	100.46	37.91	100.83	38.39	99.05	37.28	98.20	37.08	94.31	36.27	86.37	34.36
	0.0	-0.7	103.02	37.84	109.55	38.45	100.00	36.25	98.20	35.44	94.31	34.43	86.37	32.96
	3.0	2.2	109.76	37.08	109.55	37.53	100.00	35.13	98.20	33.72	94.31	32.40	86.37	31.34
	5.0	4.1	116.50	36.60	109.55	35.70	100.00	33.54	98.20	32.17	94.31	31.02	86.37	29.89
	7.0	6.0	116.50	36.11	109.55	33.83	100.00	31.35	98.20	30.42	94.31	29.80	86.37	28.55
	9.0	7.9	116.50	34.05	109.55	31.97	100.00	30.53	98.20	29.68	94.31	28.97	86.37	27.63
	11.0	9.8	116.50	31.87	109.55	30.10	100.00	29.49	98.20	28.51	94.31	27.86	86.37	26.47
	13.0	11.8	116.50	29.80	109.55	29.27	100.00	28.32	98.20	27.49	94.31	26.90	86.37	25.59
15.0	13.7	116.50	28.41	109.55	28.08	100.00	27.33	98.20	26.55	94.31	25.97	86.37	24.59	
18.0	16.6	116.50	26.37	109.55	26.07	100.00	25.40	98.20	24.65	94.31	24.11	86.37	22.90	
21.0	19.5	116.50	24.49	109.55	24.21	100.00	23.52	98.20	22.87	94.31	22.30	86.37	21.16	
24.0	22.4	116.50	22.57	109.55	22.25	100.00	21.65	98.20	21.03	94.31	20.59	86.37	19.50	
27.0	25.3	116.50	20.71	109.55	20.47	100.00	19.88	98.20	19.30	94.31	18.87	86.37	17.94	
30.0	28.1	116.50	18.88	109.55	18.64	100.00	18.18	98.20	17.64	94.31	17.25	86.37	16.34	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# HV8SO VRF 50Hz

Table 2-8.26: 32HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-30.0	-30.5	77.71	37.63	77.51	38.12	77.03	38.37	77.95	39.48	76.97	39.04	77.79	37.39
	-25.0	-25.4	79.30	37.59	79.09	38.08	78.60	38.45	79.54	39.44	78.54	39.04	79.38	37.42
	-19.8	-20.0	82.64	38.33	82.56	38.71	82.00	39.04	83.04	39.85	82.00	39.50	79.38	36.63
	-18.8	-19.0	83.30	38.38	83.21	38.75	82.64	39.08	83.69	39.89	82.64	39.32	79.38	36.15
	-16.7	-17.0	84.59	38.31	84.52	38.91	84.27	39.13	85.01	39.87	83.94	38.65	79.38	35.44
	-13.7	-15.0	85.89	38.48	85.82	38.92	85.56	39.19	86.32	39.99	84.91	37.79	79.38	34.77
	-11.8	-13.0	87.19	38.56	87.12	38.94	86.86	39.27	87.63	39.44	84.91	37.09	79.38	34.14
	-9.8	-11.0	88.48	38.57	88.74	39.02	88.16	39.35	89.28	38.68	84.91	36.37	79.38	33.43
	-9.5	-10.0	89.13	38.58	89.39	39.10	88.80	39.44	89.61	38.20	84.91	35.97	79.38	33.16
	-8.5	-9.1	89.78	38.63	89.72	39.15	89.45	39.31	89.61	37.95	84.91	35.64	79.38	32.79
	-7.0	-7.6	90.75	38.71	91.02	38.66	90.42	38.79	89.61	37.40	84.91	35.10	79.38	32.32
	-5.0	-5.6	97.88	38.77	97.85	36.91	92.05	37.07	89.61	36.18	84.91	34.03	79.38	31.38
	-3.0	-3.7	99.17	38.75	99.15	35.25	92.05	35.33	89.61	34.88	84.91	33.02	79.38	30.67
	0.0	-0.7	101.12	38.85	99.15	33.55	92.05	33.82	89.61	33.21	84.91	31.40	79.38	29.88
	3.0	2.2	105.98	38.94	99.15	31.75	92.05	31.85	89.61	31.92	84.91	29.93	79.38	28.81
	5.0	4.1	105.98	37.94	99.15	30.18	92.05	30.37	89.61	30.28	84.91	28.59	79.38	27.68
	7.0	6.0	105.98	32.95	99.15	29.69	92.05	28.43	89.61	27.65	84.91	26.24	79.38	24.62
	9.0	7.9	105.98	30.98	99.15	29.09	92.05	27.00	89.61	26.43	84.91	25.10	79.38	23.72
	11.0	9.8	105.98	29.19	99.15	27.47	92.05	25.69	89.61	25.19	84.91	24.00	79.38	22.86
	13.0	11.8	105.98	27.58	99.15	26.17	92.05	24.60	89.61	24.16	84.91	23.10	79.38	22.10
15.0	13.7	105.98	26.43	99.15	25.15	92.05	23.72	89.61	23.42	84.91	22.46	79.38	21.61	
18.0	16.6	105.98	24.54	99.15	23.40	92.05	22.08	89.61	21.77	84.91	20.93	79.38	20.04	
21.0	19.5	105.98	22.79	99.15	21.64	92.05	20.43	89.61	20.19	84.91	19.32	79.38	18.58	
24.0	22.4	105.98	20.96	99.15	20.01	92.05	18.85	89.61	18.59	84.91	17.81	79.38	17.14	
27.0	25.3	105.98	19.23	99.15	18.34	92.05	17.31	89.61	17.03	84.91	16.39	79.38	15.74	
30.0	28.1	105.98	17.60	99.15	16.76	92.05	15.79	89.61	15.58	84.91	14.92	79.38	14.33	
80%	-30.0	-30.5	79.26	40.76	77.28	40.35	78.70	39.75	78.37	38.13	74.15	35.79	69.11	33.15
	-25.0	-25.4	80.87	40.84	78.86	40.35	80.31	39.75	79.97	38.01	75.67	35.75	70.52	33.09
	-19.8	-20.0	84.09	39.21	82.00	38.86	82.79	38.10	79.97	36.53	75.67	34.14	70.52	31.43
	-18.8	-19.0	84.75	39.30	82.64	38.78	82.79	37.70	79.97	36.19	75.67	33.87	70.52	31.20
	-16.7	-17.0	86.08	39.30	83.94	38.95	82.79	36.95	79.97	35.34	75.67	33.13	70.52	30.46
	-13.7	-15.0	87.40	39.40	85.24	38.99	82.79	36.15	79.97	34.68	75.67	32.49	70.52	29.97
	-11.8	-13.0	88.73	39.48	86.53	38.27	82.79	35.47	79.97	34.02	75.67	31.92	70.52	29.35
	-9.8	-11.0	90.05	39.60	87.83	37.53	82.79	34.72	79.97	33.34	75.67	31.29	70.52	28.80
	-9.5	-10.0	90.71	39.65	87.83	37.17	82.79	34.40	79.97	33.02	75.67	31.01	70.52	28.55
	-8.5	-9.1	91.38	39.66	87.83	36.82	82.79	34.12	79.97	32.71	75.67	30.65	70.52	28.29
	-7.0	-7.6	92.37	39.62	87.83	36.20	82.79	33.69	79.97	32.36	75.67	30.27	70.52	27.91
	-5.0	-5.6	96.34	38.96	87.83	35.09	82.79	32.60	79.97	31.28	75.67	29.40	70.52	27.18
	-3.0	-3.7	96.34	40.26	87.83	33.75	82.79	31.28	79.97	30.09	75.67	28.33	70.52	26.36
	0.0	-0.7	96.34	39.71	87.83	32.29	82.79	30.19	79.97	29.27	75.67	27.46	70.52	25.81
	3.0	2.2	96.34	36.71	87.83	30.44	82.79	28.40	79.97	28.21	75.67	26.45	70.52	24.82
	5.0	4.1	96.34	33.61	87.83	28.72	82.79	27.15	79.97	27.11	75.67	25.18	70.52	24.24
	7.0	6.0	96.34	29.40	87.83	26.92	82.79	25.39	79.97	24.56	75.67	23.20	70.52	21.80
	9.0	7.9	96.34	27.87	87.83	25.67	82.79	24.26	79.97	23.57	75.67	22.29	70.52	21.13
	11.0	9.8	96.34	26.48	87.83	24.44	82.79	23.32	79.97	22.73	75.67	21.61	70.52	20.57
	13.0	11.8	96.34	25.28	87.83	23.47	82.79	22.52	79.97	21.97	75.67	20.95	70.52	20.08
15.0	13.7	96.34	24.46	87.83	22.73	82.79	21.87	79.97	21.50	75.67	20.49	70.52	19.78	
18.0	16.6	96.34	22.69	87.83	21.14	82.79	20.38	79.97	20.00	75.67	19.04	70.52	18.40	
21.0	19.5	96.34	21.01	87.83	19.59	82.79	18.83	79.97	18.47	75.67	17.63	70.52	16.99	
24.0	22.4	96.34	19.38	87.83	18.08	82.79	17.37	79.97	17.07	75.67	16.28	70.52	15.69	
27.0	25.3	96.34	17.78	87.83	16.58	82.79	15.92	79.97	15.64	75.67	14.94	70.52	14.36	
30.0	28.1	96.34	16.26	87.83	15.15	82.79	14.56	79.97	14.26	75.67	13.61	70.52	13.13	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.26:32HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-30.0	-30.5	81.92	41.28	76.75	38.11	71.70	37.57	68.12	36.49	66.06	36.32	60.21	34.68
	-25.0	-25.4	83.59	41.28	78.32	38.04	73.17	37.46	69.51	36.49	67.41	36.28	61.44	34.78
	-19.8	-20.0	83.59	39.43	78.32	36.09	73.17	35.37	69.51	34.35	67.41	34.27	61.44	32.71
	-18.8	-19.0	84.25	38.89	78.32	35.76	73.17	35.06	69.51	34.08	67.41	33.80	61.44	32.31
	-16.7	-17.0	84.25	38.21	78.32	34.95	73.17	34.49	69.51	33.38	67.41	33.25	61.44	31.68
	-13.7	-15.0	84.25	37.38	78.32	34.35	73.17	33.73	69.51	32.83	67.41	32.60	61.44	31.02
	-11.8	-13.0	84.25	36.66	78.32	33.60	73.17	33.27	69.51	32.27	67.41	32.00	61.44	30.46
	-9.8	-11.0	84.25	35.96	78.32	33.03	73.17	32.66	69.51	31.57	67.41	31.36	61.44	29.91
	-9.5	-10.0	84.25	35.59	78.32	32.76	73.17	31.83	69.51	30.82	67.41	30.54	61.44	29.07
	-8.5	-9.1	84.25	35.34	78.32	32.45	73.17	30.73	69.51	29.79	67.41	29.54	61.44	28.02
	-7.0	-7.6	84.25	34.86	78.32	32.01	73.17	29.41	69.51	28.39	67.41	28.21	61.44	26.72
	-5.0	-5.6	84.25	33.77	78.32	31.07	73.17	28.61	69.51	27.65	67.41	27.41	61.44	25.84
	-3.0	-3.7	84.25	31.96	78.32	30.10	73.17	27.77	69.51	26.80	67.41	26.55	61.44	25.09
	0.0	-0.7	84.25	30.21	78.32	28.73	73.17	26.54	69.51	25.68	67.41	25.35	61.44	23.87
	3.0	2.2	84.25	28.51	78.32	27.25	73.17	24.96	69.51	24.07	67.41	23.76	61.44	22.25
	5.0	4.1	84.25	27.20	78.32	25.47	73.17	24.05	69.51	23.09	67.41	22.82	61.44	21.34
	7.0	6.0	84.25	26.14	78.32	24.38	73.17	22.76	69.51	21.97	67.41	21.68	61.44	20.20
	9.0	7.9	84.25	25.01	78.32	23.44	73.17	21.98	69.51	21.14	67.41	20.85	61.44	19.37
	11.0	9.8	84.25	24.03	78.32	22.60	73.17	21.15	69.51	20.23	67.41	19.99	61.44	18.49
	13.0	11.8	84.25	23.16	78.32	21.74	73.17	20.12	69.51	19.23	67.41	18.94	61.44	17.50
15.0	13.7	84.25	22.27	78.32	20.73	73.17	19.36	69.51	18.48	67.41	18.18	61.44	16.69	
18.0	16.6	84.25	20.78	78.32	19.26	73.17	18.01	69.51	17.19	67.41	16.90	61.44	15.52	
21.0	19.5	84.25	19.22	78.32	17.89	73.17	16.66	69.51	15.92	67.41	15.62	61.44	14.37	
24.0	22.4	84.25	17.73	78.32	16.48	73.17	15.33	69.51	14.67	67.41	14.42	61.44	13.25	
27.0	25.3	84.25	16.25	78.32	15.08	73.17	14.07	69.51	13.46	67.41	13.23	61.44	12.15	
30.0	28.1	84.25	14.81	78.32	13.80	73.17	12.85	69.51	12.29	67.41	12.08	61.44	11.12	
60%	-30.0	-30.5	69.99	38.11	64.92	35.61	60.79	34.40	59.00	33.84	56.46	32.42	50.97	30.26
	-25.0	-25.4	71.42	38.07	66.25	35.65	62.03	34.33	60.20	33.91	57.61	32.49	52.01	30.26
	-19.8	-20.0	71.42	36.09	66.25	34.01	62.03	33.06	60.20	32.37	57.61	30.97	52.01	28.64
	-18.8	-19.0	71.42	35.13	66.25	32.90	62.03	31.86	60.20	31.28	57.61	29.70	52.01	27.67
	-16.7	-17.0	71.42	34.03	66.25	31.85	62.03	30.94	60.20	30.14	57.61	28.61	52.01	26.54
	-13.7	-15.0	71.42	32.85	66.25	30.83	62.03	30.00	60.20	28.96	57.61	27.50	52.01	25.41
	-11.8	-13.0	71.42	31.69	66.25	29.72	62.03	28.83	60.20	28.01	57.61	26.38	52.01	24.33
	-9.8	-11.0	71.42	30.63	66.25	28.62	62.03	27.39	60.20	26.69	57.61	25.23	52.01	23.38
	-9.5	-10.0	71.42	29.54	66.25	27.53	62.03	26.31	60.20	25.55	57.61	24.08	52.01	22.13
	-8.5	-9.1	71.42	28.34	66.25	26.49	62.03	25.19	60.20	24.49	57.61	22.99	52.01	20.89
	-7.0	-7.6	71.42	27.24	66.25	25.33	62.03	24.34	60.20	23.60	57.61	22.07	52.01	19.92
	-5.0	-5.6	71.42	26.22	66.25	24.43	62.03	23.11	60.20	22.69	57.61	21.25	52.01	18.99
	-3.0	-3.7	71.42	25.39	66.25	23.43	62.03	22.06	60.20	21.74	57.61	20.31	52.01	18.30
	0.0	-0.7	71.42	24.32	66.25	22.50	62.03	21.11	60.20	20.71	57.61	19.31	52.01	17.97
	3.0	2.2	71.42	23.23	66.25	21.46	62.03	20.27	60.20	19.83	57.61	18.26	52.01	17.34
	5.0	4.1	71.42	22.07	66.25	20.53	62.03	19.52	60.20	18.97	57.61	17.91	52.01	16.94
	7.0	6.0	71.42	21.02	66.25	19.65	62.03	18.60	60.20	18.20	57.61	17.77	52.01	16.65
	9.0	7.9	71.42	20.68	66.25	19.23	62.03	18.35	60.20	17.79	57.61	17.02	52.01	15.91
	11.0	9.8	71.42	20.32	66.25	18.93	62.03	17.84	60.20	17.37	57.61	16.68	52.01	15.59
	13.0	11.8	71.42	19.75	66.25	18.34	62.03	17.33	60.20	16.99	57.61	16.35	52.01	15.23
15.0	13.7	71.42	19.52	66.25	17.95	62.03	16.79	60.20	16.57	57.61	15.93	52.01	14.82	
18.0	16.6	71.42	18.12	66.25	16.67	62.03	15.60	60.20	15.38	57.61	14.79	52.01	13.80	
21.0	19.5	71.42	16.81	66.25	15.45	62.03	14.44	60.20	14.29	57.61	13.68	52.01	12.75	
24.0	22.4	71.42	15.46	66.25	14.24	62.03	13.35	60.20	13.15	57.61	12.61	52.01	11.78	
27.0	25.3	71.42	14.19	66.25	13.09	62.03	12.24	60.20	12.06	57.61	11.58	52.01	10.81	
30.0	28.1	71.42	12.95	66.25	11.95	62.03	11.19	60.20	11.03	57.61	10.58	52.01	9.88	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

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Table 2-8.26: 32HP heating capacity (continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-30.0	-30.5	59.16	31.92	54.63	29.83	50.73	28.39	48.62	27.83	46.50	27.02	42.65	25.23
	-25.0	-25.4	60.37	31.95	55.75	29.81	51.76	28.39	49.61	27.83	47.45	27.02	43.52	25.23
	-19.8	-20.0	60.37	30.23	55.75	28.46	51.76	27.29	49.61	26.59	47.45	25.83	43.52	23.87
	-18.8	-19.0	60.37	29.46	55.75	27.45	51.76	26.35	49.61	25.75	47.45	24.84	43.52	23.03
	-16.7	-17.0	60.37	28.48	55.75	26.63	51.76	25.54	49.61	24.76	47.45	23.86	43.52	22.12
	-13.7	-15.0	60.37	27.57	55.75	25.83	51.76	24.76	49.61	23.83	47.45	23.01	43.52	21.18
	-11.8	-13.0	60.37	26.54	55.75	24.83	51.76	23.81	49.61	22.99	47.45	22.04	43.52	20.26
	-9.8	-11.0	60.37	25.66	55.75	23.90	51.76	22.64	49.61	21.98	47.45	21.14	43.52	19.51
	-9.5	-10.0	60.37	24.80	55.75	22.98	51.76	21.75	49.61	21.01	47.45	20.23	43.52	18.47
	-8.5	-9.1	60.37	23.71	55.75	22.18	51.76	20.86	49.61	20.15	47.45	19.31	43.52	17.38
	-7.0	-7.6	60.37	22.88	55.75	21.24	51.76	20.12	49.61	19.41	47.45	18.54	43.52	16.64
	-5.0	-5.6	60.37	22.04	55.75	20.44	51.76	19.08	49.61	18.61	47.45	17.83	43.52	15.84
	-3.0	-3.7	60.37	21.29	55.75	19.64	51.76	18.26	49.61	17.85	47.45	17.05	43.52	15.30
	0.0	-0.7	60.37	20.37	55.75	18.81	51.76	17.45	49.61	17.03	47.45	16.25	43.52	15.01
	3.0	2.2	60.37	19.50	55.75	17.93	51.76	16.76	49.61	16.33	47.45	15.42	43.52	14.91
	5.0	4.1	60.37	18.46	55.75	17.19	51.76	16.17	49.61	15.58	47.45	15.06	43.52	14.76
	7.0	6.0	60.37	17.63	55.75	16.41	51.76	15.42	49.61	14.99	47.45	14.83	43.52	14.35
	9.0	7.9	60.37	17.34	55.75	16.08	51.76	15.18	49.61	14.59	47.45	14.25	43.52	13.88
	11.0	9.8	60.37	17.09	55.75	15.84	51.76	14.79	49.61	14.25	47.45	13.99	43.52	13.64
13.0	11.8	60.37	16.56	55.75	15.28	51.76	14.32	49.61	13.93	47.45	13.69	43.52	13.33	
15.0	13.7	60.37	16.37	55.75	15.01	51.76	13.88	49.61	13.60	47.45	13.30	43.52	12.98	
18.0	16.6	60.37	15.22	55.75	13.97	51.76	12.91	49.61	12.69	47.45	12.38	43.52	12.08	
21.0	19.5	60.37	14.08	55.75	12.94	51.76	11.97	49.61	11.74	47.45	11.43	43.52	11.17	
24.0	22.4	60.37	12.95	55.75	11.91	51.76	11.03	49.61	10.82	47.45	10.57	43.52	10.31	
27.0	25.3	60.37	11.91	55.75	10.94	51.76	10.12	49.61	9.91	47.45	9.69	43.52	9.46	
30.0	28.1	60.37	10.86	55.75	9.97	51.76	9.23	49.61	9.05	47.45	8.84	43.52	8.63	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

### 8.3 Capacity Correction Factors for Piping Length and Level Difference

Figure 2-8.1: Rate of change in cooling capacity

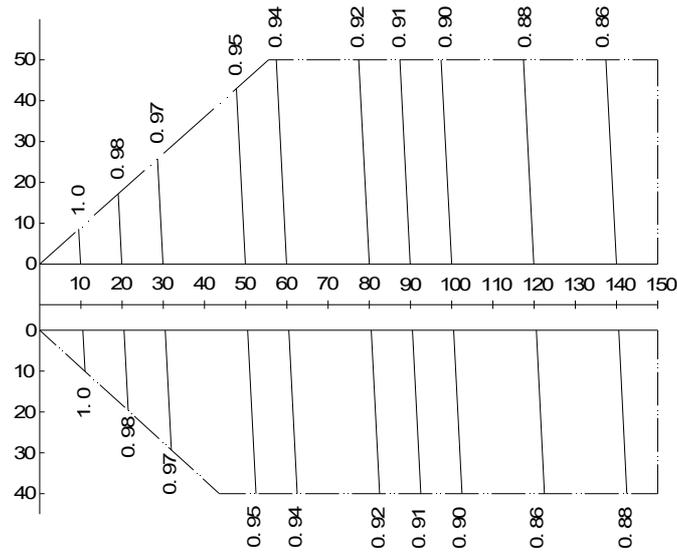
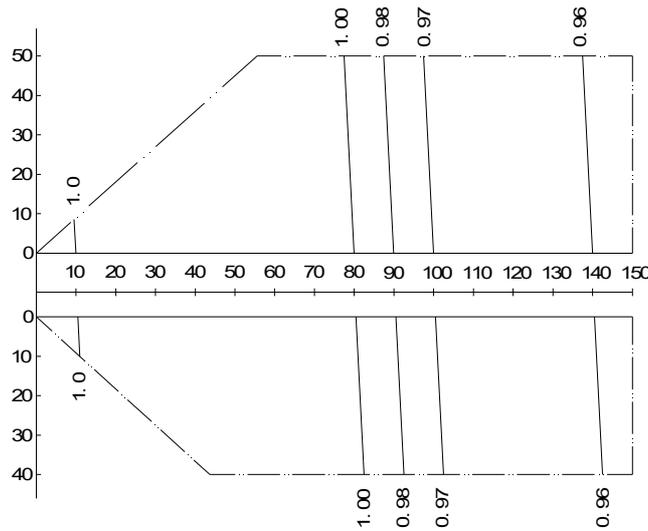


Figure 2-8.2: Rate of change in heating capacity



Notes:

1. The horizontal axis shows equivalent length of piping between farthest indoor unit and outdoor unit; the vertical axis shows the largest level difference between indoor unit and outdoor unit. For level differences, positive values indicate that the outdoor unit is above the indoor unit, negative values indicate that the outdoor unit is below the indoor unit.
2. These figures illustrate the rate of change in capacity of a system with only standard indoor units at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions there is only a minor deviation from the rate of change in capacity shown in these figures.
3. The capacity of the system is either the total capacity of the indoor units obtained from indoor unit capacity tables or the corrected capacity of the outdoor units as per the calculations below, whichever is smaller.

Corrected capacity of outdoor units	=	Capacity of outdoor units obtained from outdoor unit capacity tables at the combination ratio	x	Capacity correction factor
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## 8.4 Capacity Correction Factors for Frost Accumulation

The heating capacity tables do not take account of the reduction in capacity when frost has accumulated or while the defrosting operation is in progress. If snow has accumulated against the outside surface of the outdoor unit heat exchanger heating capacity is reduced. The reduction in heating capacity is dependent on a number of factors including the outdoor temperature, the relative humidity and the amount of frosting which has occurred.

Corrected heating capacity values, which take these factors into account, can be calculated as follows, using the correction factors for frost accumulation given in Table 2-8.27:

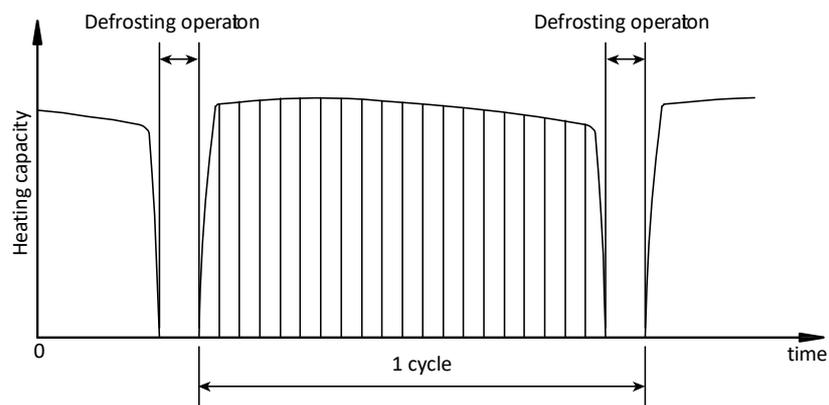
$$\text{Corrected heating capacity} = \text{Value given in outdoor heating capacity table} \times \text{Correction factor for frost accumulation}$$

Table 2-8.19: Correction factor for frost accumulation

Heat exchanger inlet port temperature (°C / RH 85%)	-7	-5	-2	0	2	5	7
Correction factor for frost accumulation	0.94	0.93	0.89	0.8	0.83	0.88	1

Corrected heating capacities express the heating capacity over the heating/defrosting cycle shown in Figure 2-8.3.

Figure 2-8.3: Defrosting cycle



## 9 Operating Limits

Figure 2-9.1: Cooling operating limits

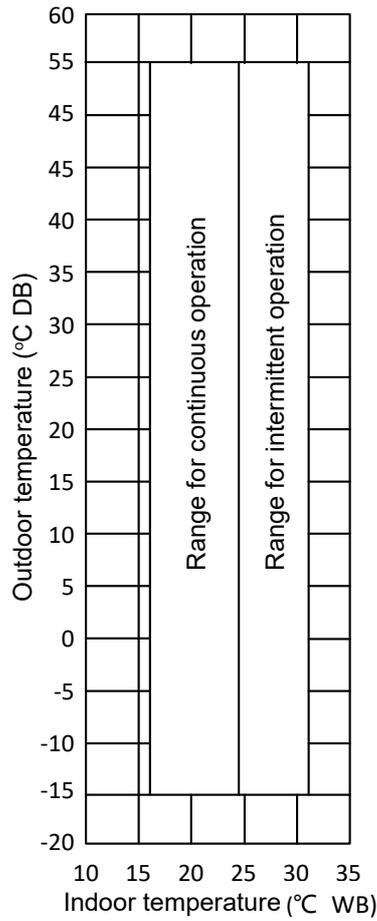
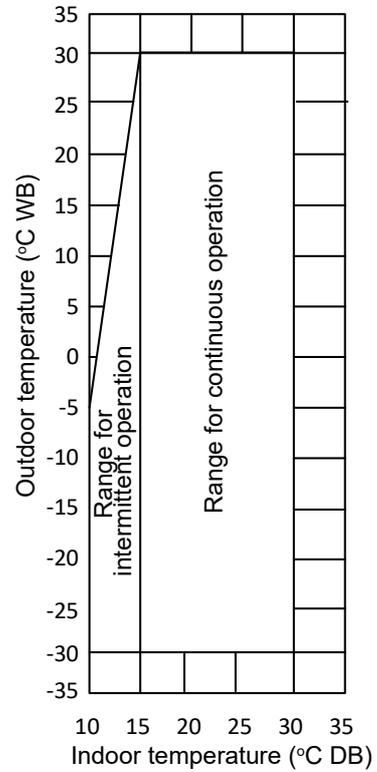


Figure 2-9.2: Heating operating limits



Notes:

- These figures assume the following operating conditions:
  - Equivalent piping length: 5m
  - Level difference: 0

## 10 Sound Levels

### 10.1 Overall

Table 2-10.1: Sound pressure level

Model	dB(A)
8HP	58
10HP	58
12HP	61
14HP	65
16HP	65

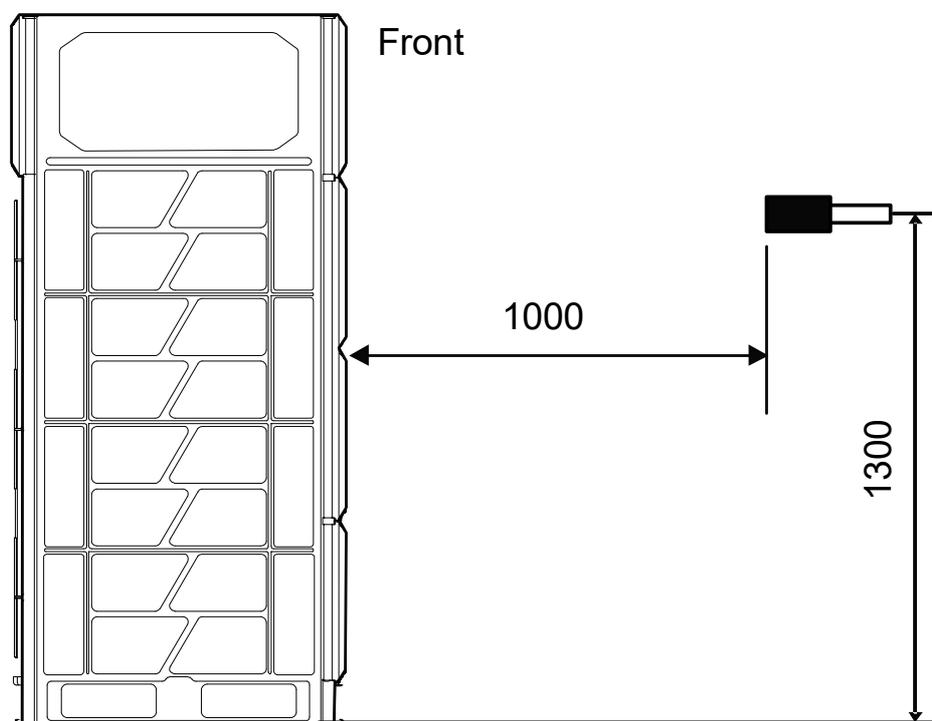
Model	dB(A)
18HP	65
20HP	66
22HP	66
24HP	67
26HP	68

Model	dB(A)
28HP	68
30HP	68
32HP	68

Notes:

1. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber. During in-situ operation, sound pressure levels may be higher as a result of ambient noise.

Figure 2-10.1: Sound pressure level measurement (unit: mm)



10.2 Octave Band Levels

Figure 2-10.2: 8HP octave band level

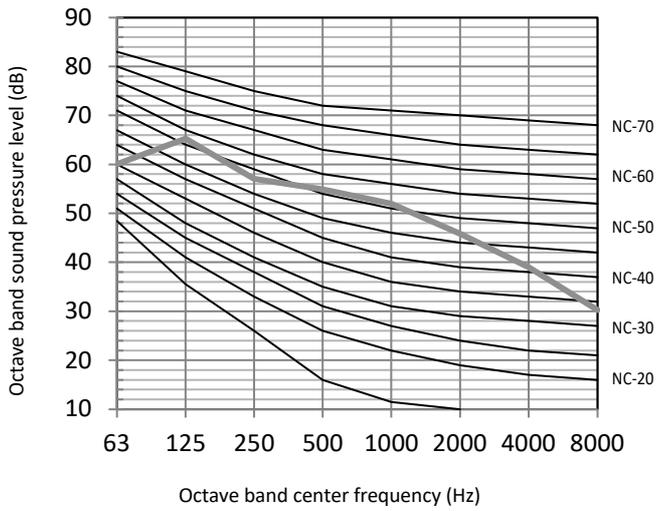


Figure 2-10.3: 10HP octave band level

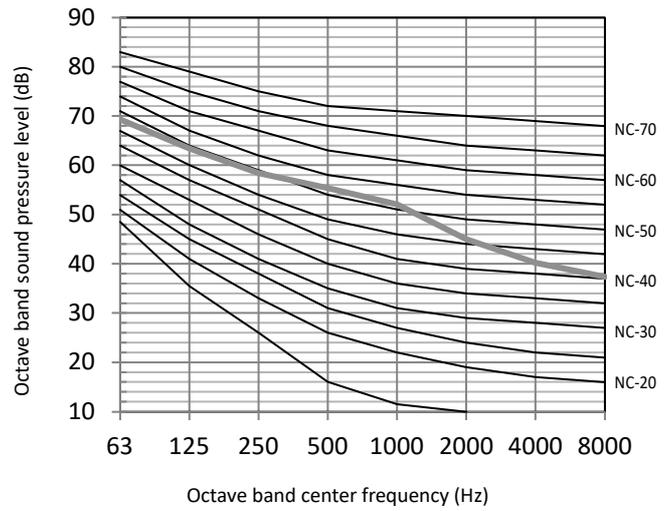


Figure 2-10.4: 12HP octave band level

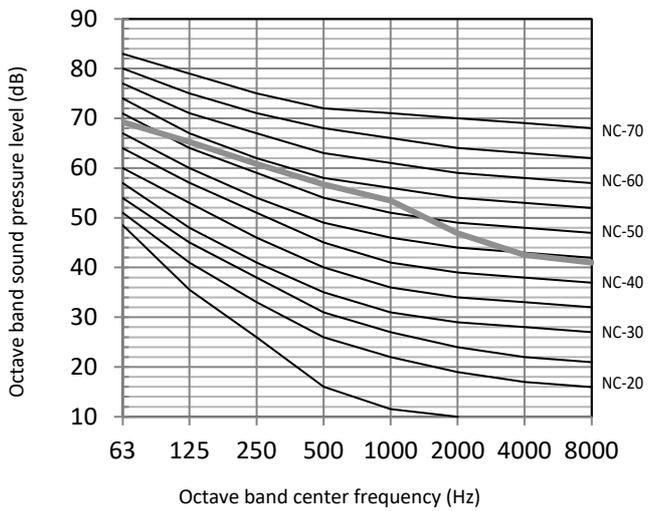


Figure 2-10.5: 14HP octave band level

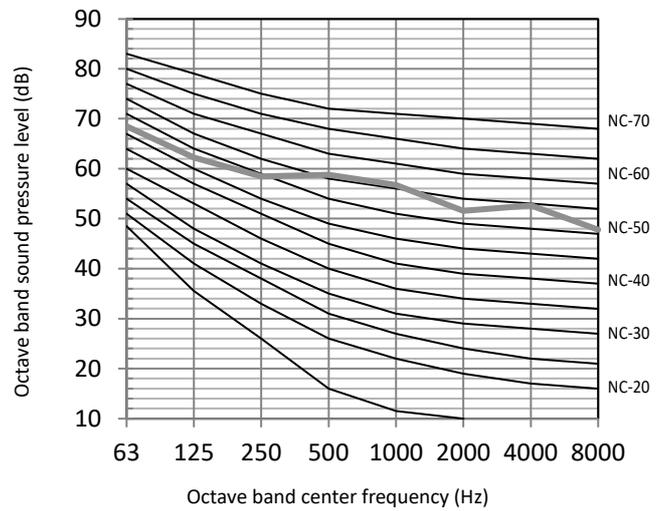


Figure 2-10.6: 16HP octave band level

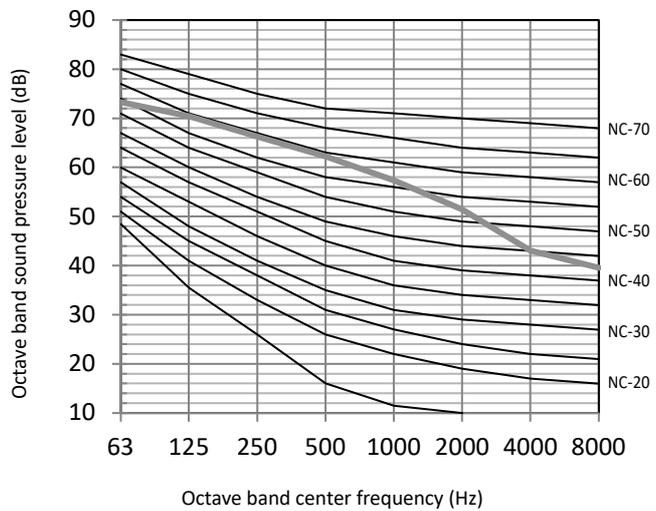
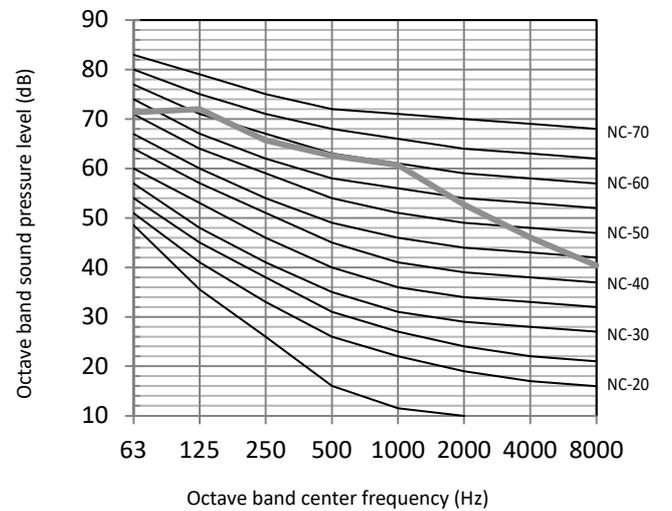


Figure 2-10.7: 18HP octave band level



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Figure 2-10.8: 20HP octave band level

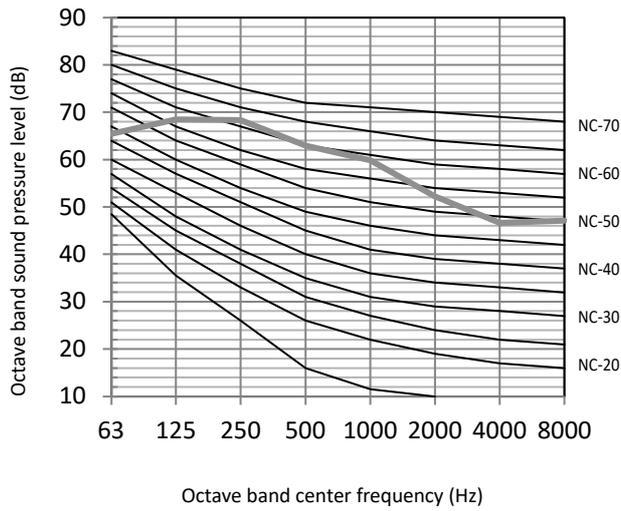


Figure 2-10.9: 22HP octave band level

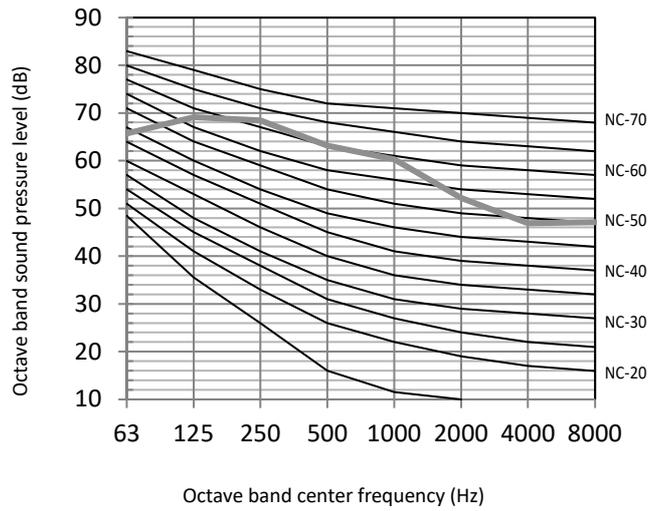


Figure 2-10.10: 24HP octave band level

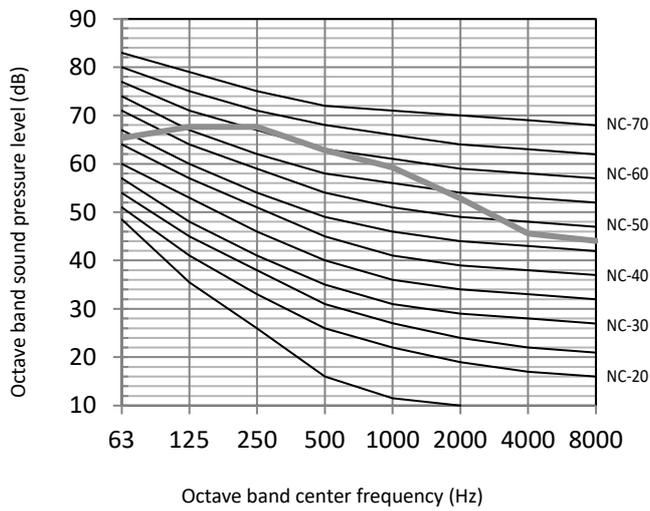


Figure 2-10.11: 26HP octave band level

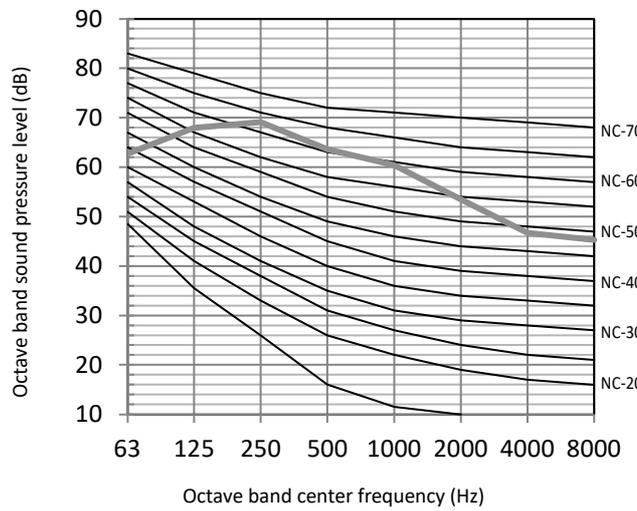


Figure 2-10.12: 28HP octave band level

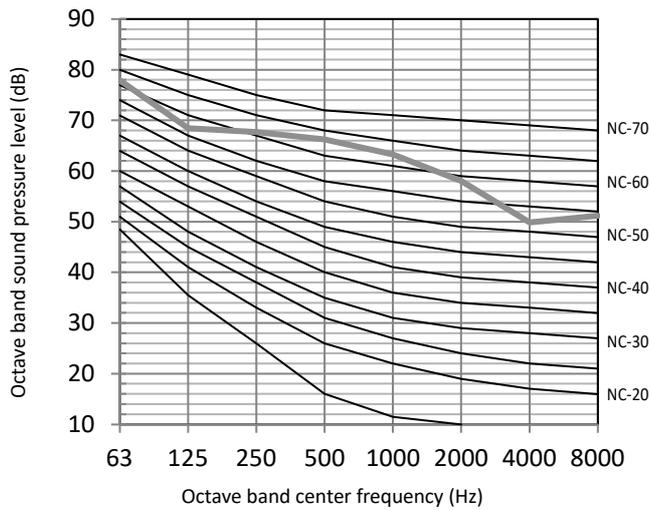


Figure 2-10.13: 30HP octave band level

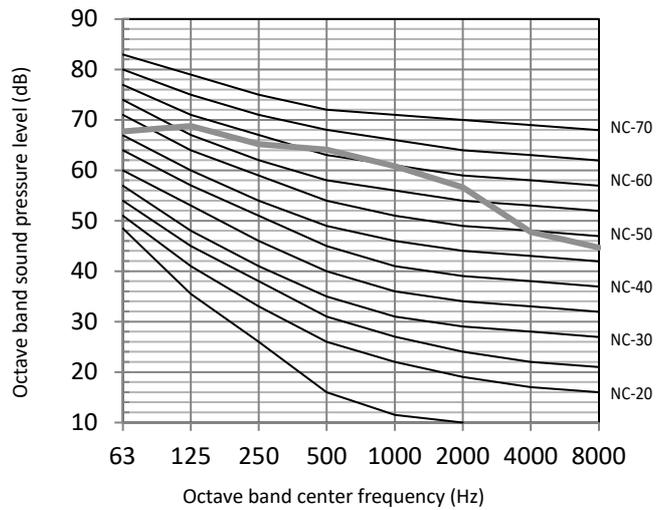
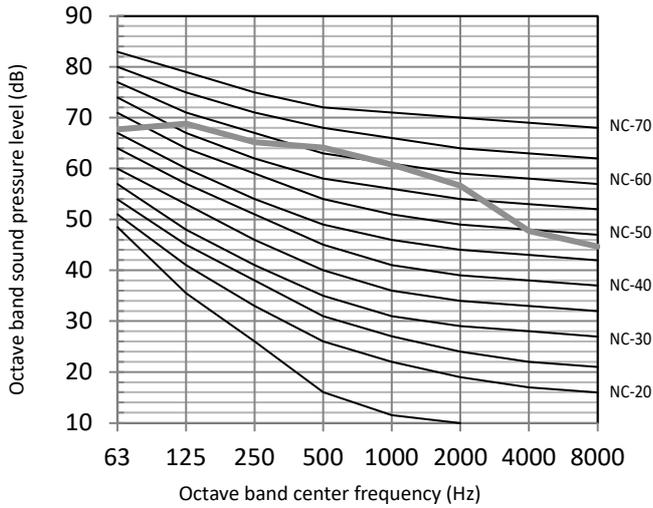


Figure 2-10.14: 32HP octave band level



## 11 Accessories

### 11.1 Standard Accessories

Table 2-11.1: Standard accessories

Name	Shape	Quantity	Function
Installation and operation manual		1	
Erp information		1	
L-shaped connection pipe		2	To connect gas and liquid pipes
Wrench		1	Removing the side plate screws
Build-out resistor		1	Enhances communication stability
Bluetooth Module		1	Refer to attached manual
Magnetic ring		1	Improve communication reliability

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## L-shaped pipe

Figure 2-11.1: L-shaped pipe size (unit: mm)

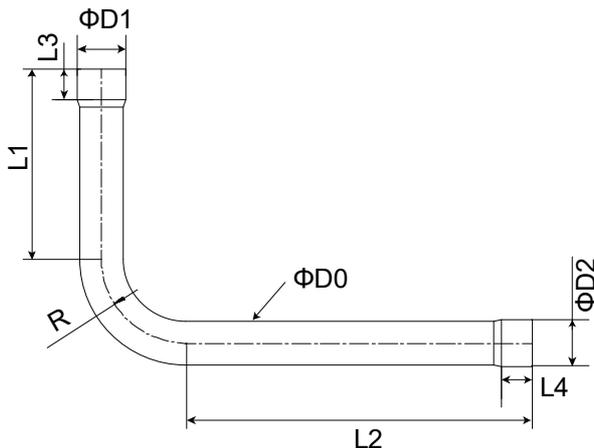


Figure 2-11.2: L-shaped pipe size (unit: mm)

HP	PIPE	Φ D0(OD)	L1	L2	L3	L4	Φ D1(ID)	Φ D2(ID)	R
8-12HP	Gas pipe	25.4	130	230	20	20	25.4	25.4	50
	Liquid pipe	12.7	160	265	15	15	12.7	12.7	25
14-16HP	Gas pipe	28.6	125	225	20	20	28.6	28.6	55
	Liquid pipe	15.9	155	255	15	15	15.9	15.9	30
18-24HP	Gas pipe	31.8	130	220	25	20	28.6	31.8	60
	Liquid pipe	19.1	162	245	15	15	15.9	19.1	40
26HP	Gas pipe	31.8	130	130	25	25	31.8	31.8	60
	Liquid pipe	22.2	165	165	20	20	22.2	22.2	40
28-32HP	Gas pipe	38.1	155	115	20	20	34.9	38.1	80
	Liquid pipe	22.2	165	165	20	20	22.2	22.2	40

## 11.2 Optional Accessories

Table 2-11.3: Optional accessories

Optional accessories	Model	Packed dimensions (mm)	Net/gross weight (kg)	Function
Indoor branch joint kits	HVS-N01D	290×105×100	0.3 / 0.4	Distribute refrigerant to indoor units and balance flow resistance between outdoor units
	HVS-N02D	290×105×100	0.4 / 0.6	
	HVS-N03D	310×130×125	0.6 / 0.9	
	HVS-N04D	350×170×180	1.1 / 1.5	
	HVS-N05D	365×195×215	1.4 / 1.9	
	HVS-N06D	390×230×255	2.5 / 3.1	
	HVS-N07D	390×230×255	2.8 / 3.4	

# HYUNDAI



## Kontakt

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