Contents

Part 1 General Information

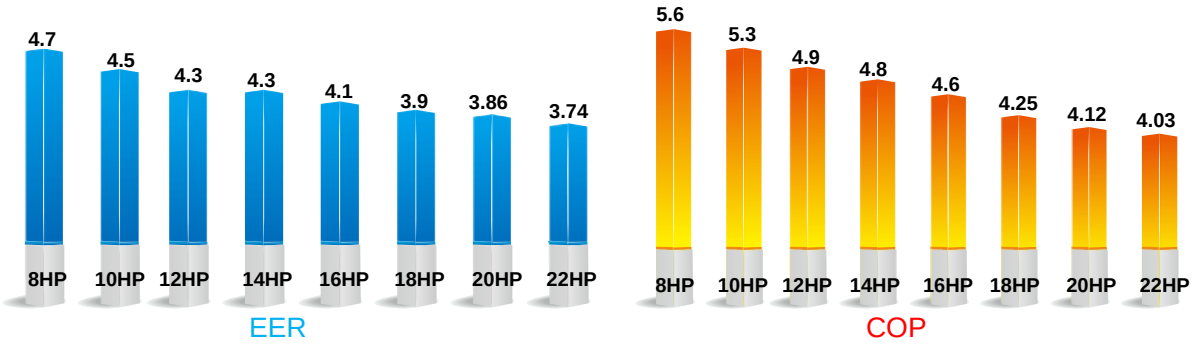
1. Features

1.1 Energy saving

V5 X Series achieves the industry's top class energy efficiency in cooling and heating by utilizing all DC inverter compressors, all DC fan motors, and high efficiency heat exchanger.

1.1.1 High EER and COP values

The cooling EER is up to 4.7 and the heating COP is up to 5.6 in the 8HP category.

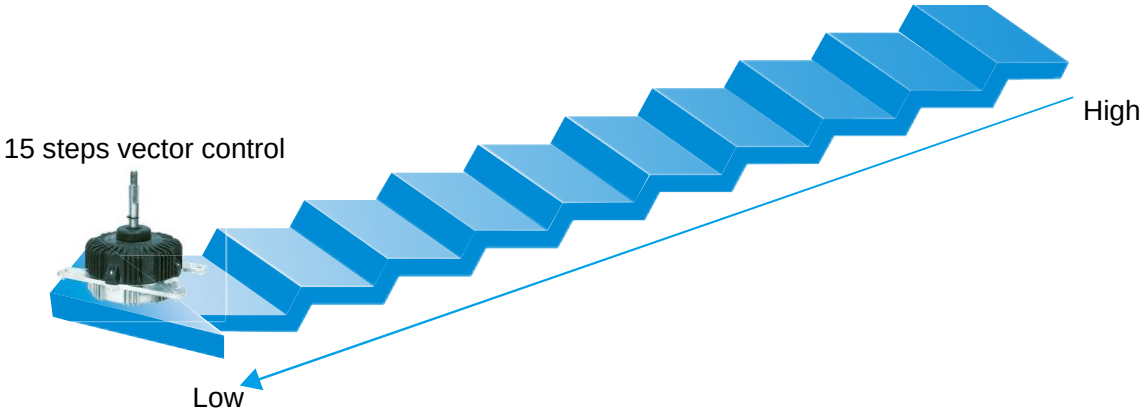


1.1.2 All DC inverter compressors

The DC inverter compressor adopts innovative design and numerous high performance key parts which can reduce power consumption by 25%.

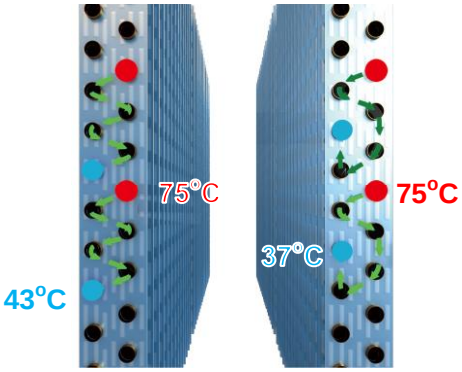
1.1.3 All DC fan motors

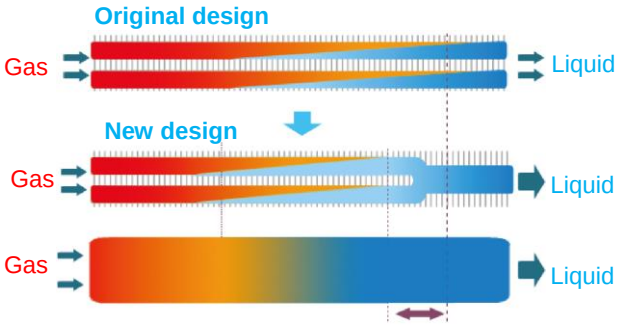
The system controls the speed of the fan motor according to the system pressure and system load achieving the minimum power consumption.



1.1.4 High efficiency heat exchanger

- ✧ Newly designed window type fins enlarge the heat exchange area and decrease air resistance, enhance heat exchange performance and save more energy.
- ✧ Hydrophilic fins and internally threaded copper pipes optimize heat exchange efficiency.
- ✧ δ design increases the hot liquid rate in the condenser and improves the heat-exchange efficiency.





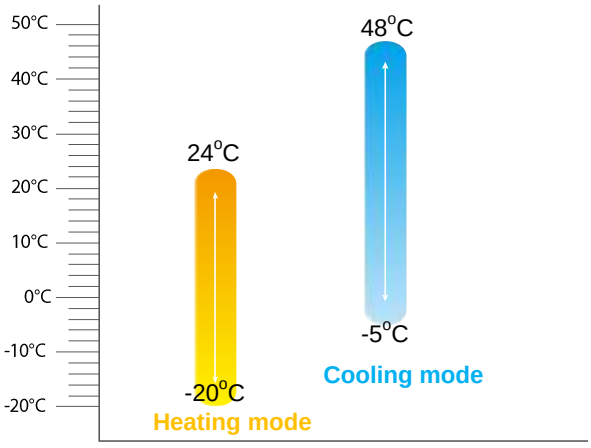
1.2 Flexible design

1.2.1 Wide capacity range

V5X Series has extensive capacity ranging from 8HP to 72HP, meets all customer requirement concerning small to large buildings.

1.2.2 Wide operation range

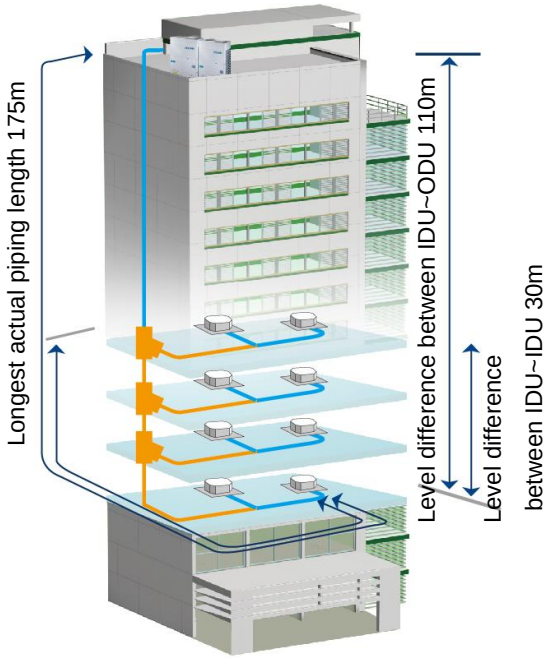
V5X Series operates stably under extreme conditions, ranging from minus 20°C to 48°C.



1.2.3 Flexible piping design

Total piping length	1000m
Longest length actual (Equivalent)	175(200)m
Longest length after first branch	90*m
Level difference between indoor and outdoor units - ODU up (down)	90(110)m
Level difference between indoor units	30m

*The longest piping length is 40m standard. It can be extended to 90m. When the length is over 40m, please refer to installation part for more information and restrictions.



1.2.4 High external static pressure

High-static pressure propeller and optimized fan guard can adapt to various installation environments.

V5 X Series units offer up to 60Pa external static pressure for customized applications. A standard 0-20Pa function is equipped by default.

1.3 High reliability

1.3.1 Cycle duty operation

The cyclical start-up sequence of outdoor units and DC inverter compressors equalized compressor duty and extends operating life

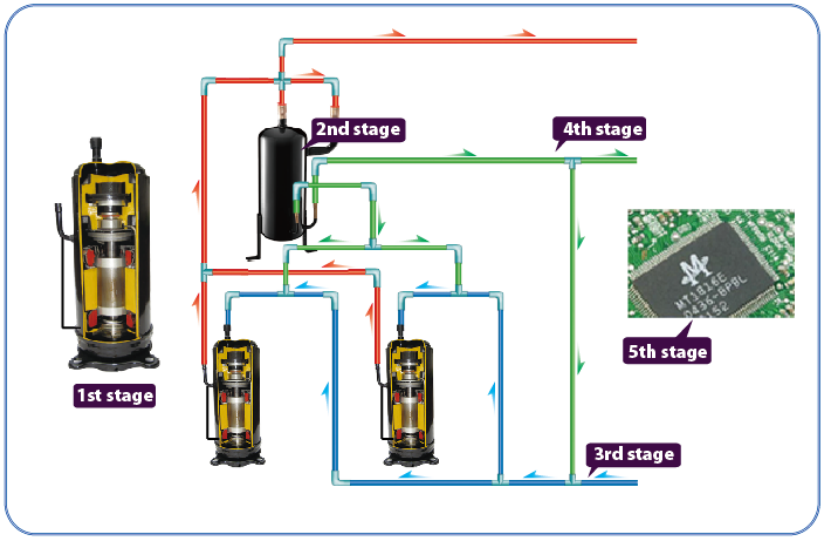
1.3.2 Back-up function

In a multiple system, if one module is failed, other modules can be backup instead of the failed one for continuing operation.

1.3.3 Precise oil control technology

5 stages oil control technology ensures all outdoor unit and compressor oil is always kept at a safe level, completely solving any compressor oil shortage problems.

- ✧ **1st stage:** Compressor internal oil separation.
- ✧ **2nd stage:** High efficiency centrifugal oil separator (separation efficiency up to 99%) ensures oil separated from the discharge gas is returned to the compressors.
- ✧ **3rd stage:** Oil balance pipes between compressors ensure even oil distribution to keep compressors running normally.
- ✧ **4th stage:** Oil balance pipes among modules ensure even oil distribution among modules.
- ✧ **5th stage:** Auto oil return program by monitoring the running time and system status ensures reliable oil return.



1.4 Enhanced comfort

1.4.1 Night silent operation mode

Night Silent Mode feature which is easily set on the PCB board allows the unit to be set to various time options during Non-peak and Peak operation time minimizing the units noise output.

1.4.2 Intelligent defrosting technology

Intelligent defrosting program will judge the defrosting time according to the system real requirement, reduce heating loss caused by unnecessary defrosting and create more comfort.

Defrosting time can be shortened to 4 min. due to the specialized defrosting valve.

1.5 Easy installation and service

1.5.1 Auto addressing

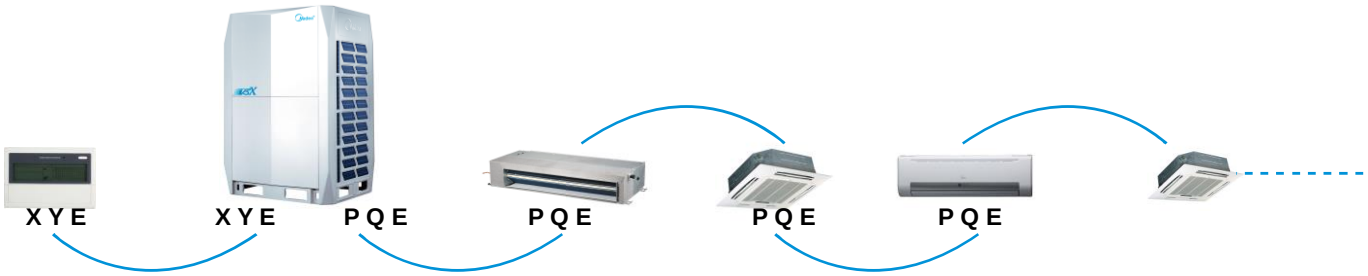
Outdoor unit can distribute addresses for indoor units automatically.

Wireless and wired controllers can query and modify each indoor unit's address.

1.5.2 Simple communication wiring

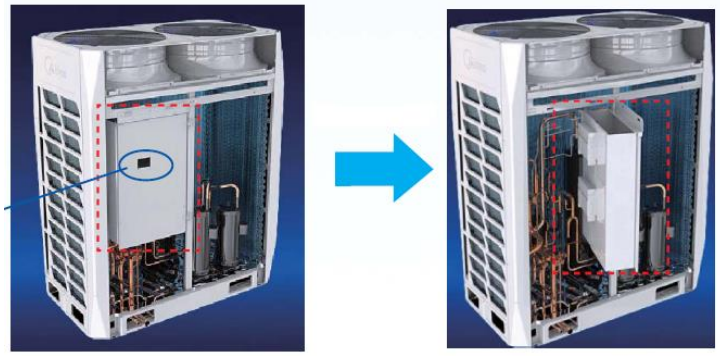
Centralized controller (CCM03 or CCM30) can be connected from indoor side or outdoor side (XYE terminals) at will.

With one set of wires, we can achieve the network communication and system communication, making installation at site more convenient.



1.5.3 Rotatable electric box

The newly designed rotating control box can rotate on a maximum of 150 degree. It is convenient for the inspection and maintenance of the pipeline system and greatly reduces the dismount time of the electric control box.



2. Outdoor units

- **Outdoor units lineup**

The outdoor units capacity ranges from 8HP up to 88HP in 2HP increments, a max. combination of 4 basic models.

8,10,12HP

14,16,18HP

20~36HP

38~54HP

56~72HP

● Standard combination

Capacity	Combination type	Max. quantity of connectable indoor units	Cooling capacity kW	Heating capacity kW
8	8HP	16	22.4	25
10	10HP	18	28	31.5
12	12HP	22	33.5	37.5
14	14HP	26	40	45
16	16HP	30	45	50
18	8+10HP	34	50.4	56.5
20	10+10HP	36	56	63
22	8+14HP	38	62.4	70
24	10+14HP	40	68	76.5
26	12+14HP	43	73.5	82.5
28	14+14HP	46	80	90
30	14+16HP	50	85	95
32	16+16HP	53	90	100
34	10+12+12HP	56	95	106.5
36	12+12+12HP	59	100.5	112.5
38	10+12+16HP	63	106.5	119
40	12+12+16HP	64	112	125
42	12+14+16HP	64	118.5	132.5
44	12+16+16HP	64	123.5	137.5
46	14+16+16HP	64	130	145
48	16+16+16HP	64	135	150
50	8+10+16+16HP	64	140.4	156.5
52	10+10+16+16HP	64	146	163
54	10+12+16+16HP	64	151.5	169
56	10+14+16+16HP	64	158	176.5
58	10+16+16+16HP	64	163	181.5
60	12+16+16+16HP	64	168.5	187.5
62	14+16+16+16HP	64	175	195
64	16+16+16+16HP	64	180	200
66	16+16+16+18HP	64	185	206
68	16+16+18+18HP	64	190	212
70	16+18+18+18HP	64	195	218
72	18+18+18+18HP	64	200	224

- **Space saving combination**

Capacity	Combination type	Max. quantity of connectable indoor units	Cooling capacity	Heating capacity
			kW	kW
8	8HP	16	22.4	25
10	10HP	18	28	31.5
12	12HP	22	33.5	37.5
14	14HP	26	40	45
16	16HP	30	45	50
18	18HP	34	50	56
20	8+12HP	36	55.9	62.5
22	10+12HP	38	61.5	69
24	12+12HP	40	67	75
26	8+18HP	43	72.4	81
28	12+16HP	46	78.5	87.5
30	12+18HP	50	83.5	93.5
32	16+16HP	53	90	100
34	16+18HP	56	95	106
36	18+18HP	59	100	112
38	10+10+18HP	63	106	119
40	10+12+18HP	64	111.5	125
42	12+12+18HP	64	117	131
44	12+14+18HP	64	123.5	138.5
46	12+16+18HP	64	128.5	143.5
48	12+18+18HP	64	133.5	149.5
50	16+16+18HP	64	140	156
52	16+18+18HP	64	145	162
54	18+18+18HP	64	150	168
56	12+12+14+18HP	64	157	176
58	12+12+16+18HP	64	162	181
60	12+12+18+18HP	64	167	187
62	12+16+16+18HP	64	173.5	193.5
64	12+16+18+18HP	64	178.5	199.5
66	12+18+18+18HP	64	183.5	205.5
68	16+16+18+18HP	64	190	212
70	16+18+18+18HP	64	195	218
72	18+18+18+18HP	64	200	224

- **Energy efficiency combination**

Capacity	Combination type	Max. quantity of connectable indoor units	Cooling capacity	Heating capacity
			kW	kW
8	8HP	16	22.4	25
10	10HP	18	28	31.5
12	12HP	22	33.5	37.5
14	14HP	26	40	45
16	8+8HP	30	44.8	50
18	8+10HP	34	50.4	56.5
20	10+10HP	36	56	63
22	8+14HP	38	62.4	70
24	8+8+8HP	40	67.2	75
26	8+8+10HP	43	72.8	81.5
28	8+8+12HP	46	78.3	87.5
30	8+10+12HP	50	83.9	94
32	8+12+12HP	53	89.4	100
34	8+12+14HP	56	95.9	107.5
36	8+14+14HP	59	102.4	115
38	12+12+14HP	63	107	120
40	12+14+14HP	64	113.5	127.5
42	14+14+14HP	64	120	135
44	14+14+16HP	64	125	140
46	14+16+16HP	64	130	145
48	16+16+16HP	64	135	150
50	10+12+14+14HP	64	141.5	159
52	10+12+14+16HP	64	146.5	164
54	12+12+14+16HP	64	152	170
56	12+12+16+16HP	64	157	175
58	12+14+16+16HP	64	163.5	182.5
60	14+14+16+16HP	64	170	190
62	14+16+16+16HP	64	175	195
64	16+16+16+16HP	64	180	200
66	16+16+16+18HP	64	185	206
68	16+16+18+18HP	64	190	212
70	16+18+18+18HP	64	195	218
72	18+18+18+18HP	64	200	224

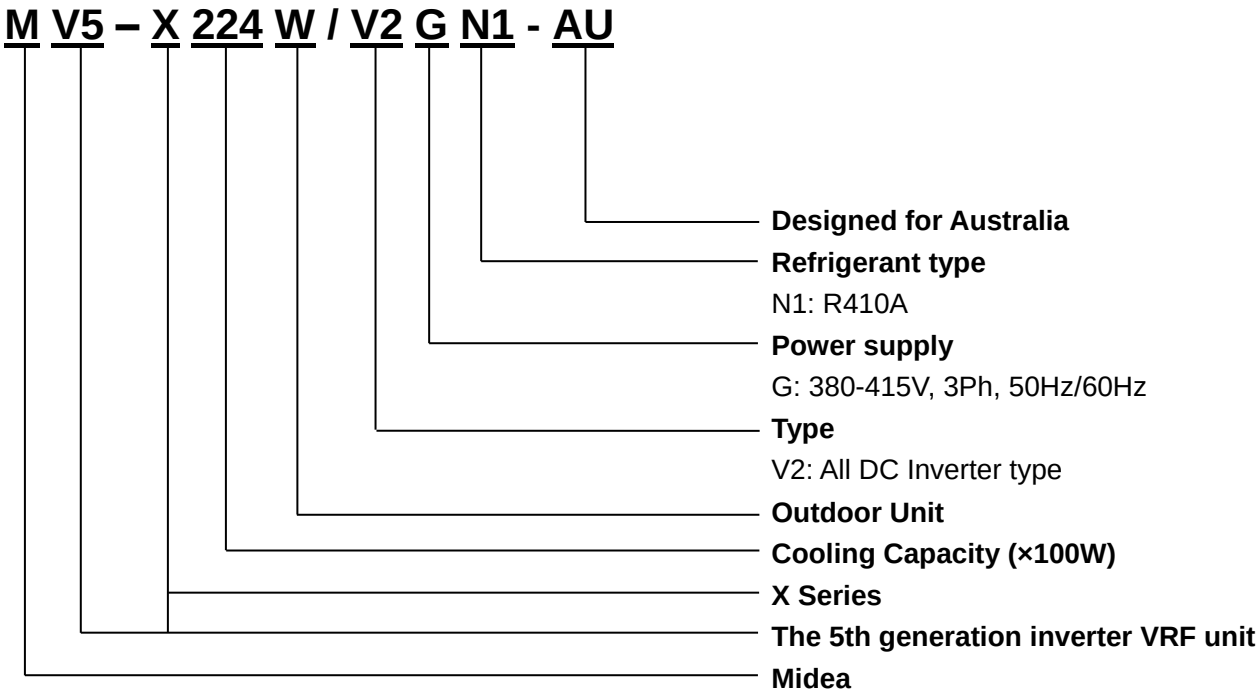
3. Indoor units lineup

Capacity (kW)	Type					
	One-way cassette	Two-way Cassette	Compact four-way cassette	Four-way cassette	Low static pressure duct	Concealed duct unit (A5 Type)
1.8	1.8				1.8	
2.2	2.2	2.2	2.2		2.2	2.2
2.8	2.8	2.8	2.8	2.8	2.8	2.8
3.6	3.6	3.6	3.6	3.6	3.6	3.6
4.5	4.5	4.5	4.5	4.5	4.5	4.5
5.6	5.6	5.6		5.6	5.6	5.6
7.1	7.1	7.1		7.1	7.1	7.1
8				8		8
9				9		9
10				10		
11.2				11.2		11.2
12.5						
14				14		14

Capacity (kW)		Type				
	High static pressure duct	Ceiling & floor	Wall mounted	Console	Floor standing	Fresh air processing Unit
1.8						
2.2			2.2	2.2	2.2	
2.8			2.8	2.8	2.8	
3.6		3.6	3.6	3.6	3.6	
4.5		4.5	4.5	4.5	4.5	
5.6		5.6	5.6		5.6	
7.1	7.1	7.1	7.1		7.1	
8	8	8	8		8	
9	9	9	9			
10						
11.2	11.2	11.2				
12.5						12.5
14	14	14				14
16	16	16				
20	20					20
25	25					25
28	28					28
40	40					
45	45					
56	56					

Due to continuous improvement, specifications are subject to change without prior notice.

4. Nomenclature



Part 2 Selection Procedure

1. Introduction

1.1 Model selection procedure

Select the model and calculate the capacity for each refrigerant system according to the procedure shown below.

- Calculation of the indoor air-conditioning load, Calculate the maximum air-conditioning load for each room or zone.

Selection of air conditioning system

- Select the ideal air conditioning system for each room or zone

Design of the control system

- Design a suitable control system for the selected air conditioning system

Preliminary selection of indoor and outdoor units

- Make preliminary selections that are within the allowable range for the system

Check of the tubing length and level difference

- Check that the length of refrigerant tubing and the elevation difference are within the allowable ranges

Calculation of the corrected outdoor unit capacity

- Capacity correction coefficient for model, outdoor temperature conditions, tubing length and elevation difference.

Calculation of the actual capacity for each indoor unit

- Calculate the corrected indoor/outdoor capacity ratio, based on the corrected outdoor unit capacity and the total corrected capacity of all indoor units in the same system.

Recheck of the actual capacity for each indoor unit

- If the capacity is inadequate, reexamine the unit combinations.

1.2 Indoor unit selection

Enter INDOOR UNIT CAPACITY TABLES at given indoor and outdoor temperature. Select the unit with the nearest greater capacity to the given load.

Note:

Individual indoor unit capacity is affected by ODU selection. Actual capacity has to be calculated according to the outdoor unit capacity table.

Calculation of actual capacity of indoor unit

Because the capacity of a multi air-conditioner system changes according to the temperature conditions, tubing length, elevation difference and other factors, select the correct model after taking into account the various correction values. When selecting the model, calculate the corrected capacities of the outdoor unit and each indoor unit. Use the corrected outdoor unit capacity and the total corrected capacity of all the indoor units to calculate the actual final capacity of each indoor unit.

Find the indoor unit capacity correction coefficient for the following items:

- Capacity correction for the indoor unit temperature conditions

From the graph of capacity characteristics, use the indoor temperature to find the capacity correction coefficient.

- Capacity distribution ratio based on the indoor unit tubing length and elevation difference.

First, in the same way as for the outdoor unit, use the tubing length and elevation difference for each indoor unit to find the correction coefficient from the graph of capacity change characteristics

Capacity distribution ratio for each indoor unit=Correction coefficient for that indoor unit / Correction coefficient for the outdoor unit

1.3 Outdoor unit selection

Allowable combinations are indicated in INDOOR UNIT COMBINATION TOTAL CAPACITY INDEX TABLE.

In general, outdoor units should be selected by the following factors, the location of the unit, zoning and usage

of the rooms.

The indoor and outdoor unit combination is determined that the sum of indoor unit capacity index is nearest to and smaller than the capacity index at 100% combination ratio of each outdoor unit. Up to 13~36 indoor units can be connected to one outdoor unit. It is recommended to choose a larger outdoor unit if the installation space is large enough.

If the combination ratio is greater than 100%, the indoor unit selection shall be reviewed by using actual capacity of each indoor unit.

INDOOR UNIT COMBINATION TOTAL CAPACITY INDEX TABLE

Outdoor Unit	Indoor Unit Combination Ratio kW								
HP	**130%**	**120%**	**110%**	**100%**	**90%**	**80%**	**70%**	**60%**	**50%**
8	29.12	26.88	24.64	22.4	20.16	17.92	15.68	13.44	11.2
10	36.4	33.6	30.8	28	25.2	22.4	19.6	16.8	14
12	43.55	40.2	36.85	33.5	30.15	26.8	23.45	20.1	16.75
14	52	48	44	40	36	32	28	24	20
16	58.5	54	49.5	45	40.5	36	31.5	27	22.5
18	65.52	60.48	55.44	50.4	45.36	40.32	35.28	30.24	25.2
20	72.8	67.2	61.6	56	50.4	44.8	39.2	33.6	28
22	81.12	74.88	68.64	62.4	56.16	49.92	43.68	37.44	31.2
24	88.4	81.6	74.8	68	61.2	54.4	47.6	40.8	34
26	95.55	88.2	80.85	73.5	66.15	58.8	51.45	44.1	36.75
28	104	96	88	80	72	64	56	48	40
30	110.5	102	93.5	85	76.5	68	59.5	51	42.5
32	117	108	99	90	81	72	63	54	45
34	123.5	114	104.5	95	85.5	76	66.5	57	47.5
36	130.65	120.6	110.55	100.5	90.45	80.4	70.35	60.3	50.25
38	138.45	127.8	117.15	106.5	95.85	85.2	74.55	63.9	53.25
40	145.6	134.4	123.2	112	100.8	89.6	78.4	67.2	56
42	154.05	142.2	130.35	118.5	106.65	94.8	82.95	71.1	59.25
44	160.55	148.2	135.85	123.5	111.15	98.8	86.45	74.1	61.75
46	169	156	143	130	117	104	91	78	65
48	175.5	162	148.5	135	121.5	108	94.5	81	67.5
50	182.52	168.48	154.44	140.4	126.36	112.32	98.28	84.24	70.2
52	189.8	175.2	160.6	146	131.4	116.8	102.2	87.6	73
54	196.95	181.8	166.65	151.5	136.35	121.2	106.05	90.9	75.75
56	205.4	189.6	173.8	158	142.2	126.4	110.6	94.8	79
58	211.9	195.6	179.3	163	146.7	130.4	114.1	97.8	81.5
60	219.05	202.2	185.35	168.5	151.65	134.8	117.95	101.1	84.25
62	227.5	210	192.5	175	157.5	140	122.5	105	87.5
64	234	216	198	180	162	144	126	108	90
66	240.5	222	203.5	185	166.5	148	129.5	111	92.5
68	247	228	209	190	171	152	133	114	95
70	253.5	234	214.5	195	175.5	156	136.5	117	97.5
72	260	240	220	200	180	160	140	120	100

INDOOR UNIT CAPACITY INDEX

Unit Size	Model	Model	Model	Model	Model	Model	Model	Model	Model	Model
	18	22	28	36	45	56	71	80	90	112
Capacity kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1	8	9	11.2
Unit Size	Model	Model	Model	Model	Model	Model	Model	Model	Model	
	125	140	160	200	250	280	400	450	560	
Capacity kW	12.5	14	16	20	25	28	40	45	56	

1.4 Actual performance data

Use OUTDOOR UNIT CAPACITY TABLES.

Determine correct table according to the outdoor unit model and combination ratio.

Enter the table at given indoor and outdoor temperature and find the outdoor unit capacity and power input. The individual indoor unit capacity (power input) can by calculated as follows.

IUC=OUC × INX/TNX

Notes:

IUC: Each indoor unit capacity

OUC: Outdoors unit capacity

INX: Each indoor unit capacity index

TNX: Total capacity index

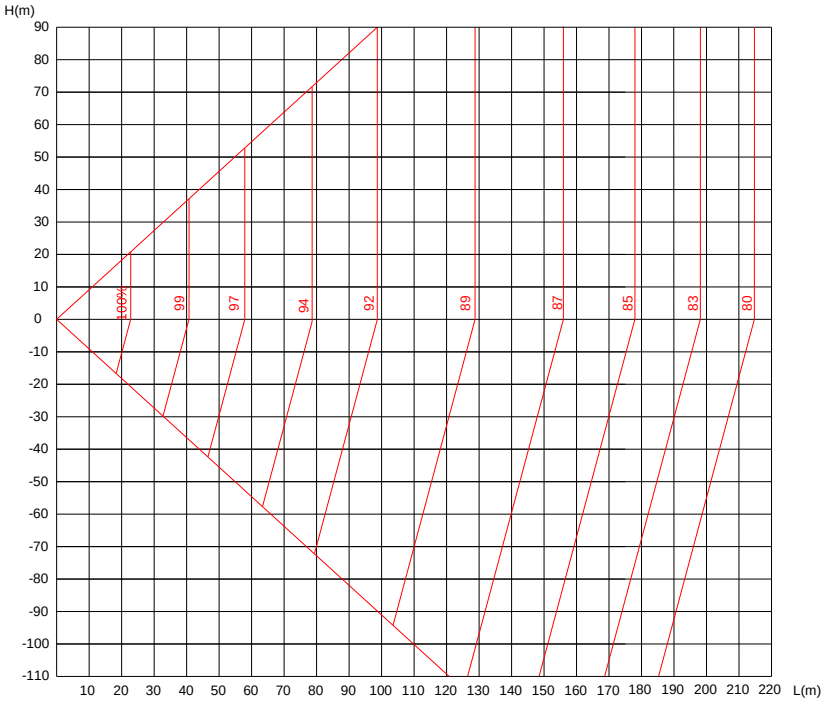
Then, correct the indoor unit capacity according to the piping length.

If the corrected capacity is smaller than the load, the size of indoor unit has to be increased and repeat the same selection procedure.

1.5 Cooling capacity modification in accordance with the length of refrigerant pipe

Modification coefficient of the length and height difference of refrigerant pipe:

1.5.1 Cooling capacity modification

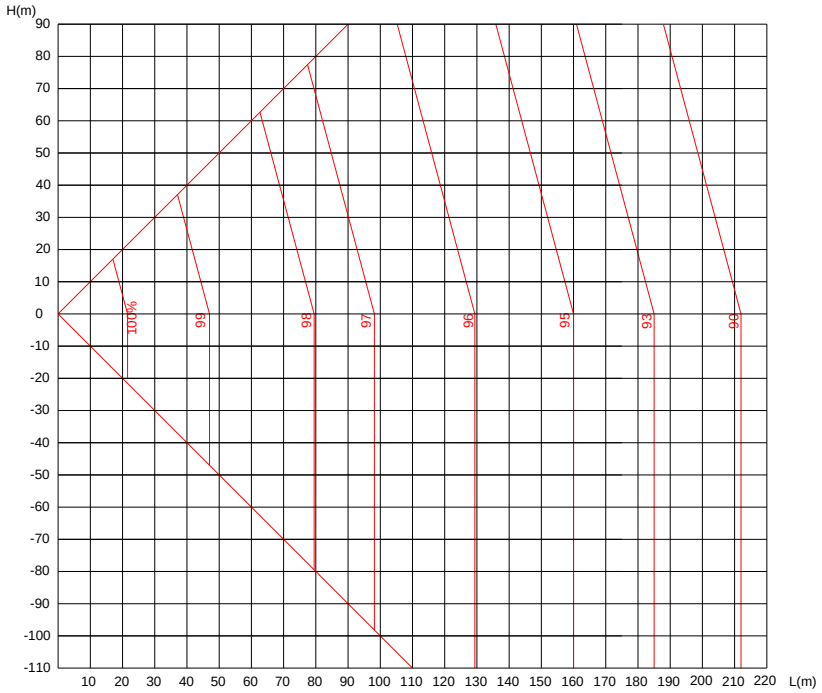


L: Refrigerant pipe equivalent length

H: Height difference between outdoor and indoor unit. Positive data means outdoor unit is higher. Negative

data means outdoor unit is lower.

1.5.2 Heating capacity modification



2. Unit selection (based on cooling load)

2.1 Given condition

Condition:

Cooling: indoor temperature 20°C (68°F)WB, outdoor temperature 35°C(95°F)DB;

Cooling load

Location	Room A	Room B	Room C	Room D	Room E	Room F
Load kW	2.1	2.8	3.5	4.6	5.8	7.2

Power supply: outdoor 380~415V-3Ph-50Hz, indoor 220~240V-1Ph-50Hz.

Piping length: 50m; Height difference between indoor unit and outdoor unit: 30m

2.2 Indoor unit selection

Select the suitable capacity for the following conditions: 'Indoor 20°C(68°F) WB, Outdoor 35°C(95°F) DB' using indoor unit capacity table. The selected result is as follows. (Assuming the indoor unit type is duct)

Location	Room A	Room B	Room C	Room D	Room E	Room F
Load kW	2.1	2.8	3.5	4.6	5.8	7.2
Model	22	28	36	45	56	71
Capacity kW	2.3	2.9	3.7	4.8	6.0	7.5

2.3 Outdoor unit selection

1) Assume the indoor unit and outdoor unit combination as follows

- Calculate the total nominal capacity of indoor units in the combination according to the above table:

  2.2 × 1 +2.8 × 1+ 3.6 × 1 +4.5 × 1+ 5.6 × 1 + 7.1 × 1 = 25.8kW

- Select outdoor unit: MV5-X280W/V2GN1-AU which has nominal cooling capacity: 28kW.
- Calculate the proportion: 258/280= 92%

2) Result: Because the proportion is within 50～130%, it is a suitable selection.

Real function data with indoor unit combination

- For the 92% combination, calculate the cooling capacity of outdoor unit MV5-X280W/V2GN1-AU:

26.8kW←90% (Indoor temperature: WB 20°C, Outdoor temperature: DB 35°C)

28.3kW←100% (Indoor temperature: WB 20°C, Outdoor temperature: DB 35°C)

Then calculate the outdoor capacity in 92% combination index: 26.8+{(28.3-26.8)/10}×2=27.1kW;

- Capacity modification coefficient with pipe length 50m(164ft) and height difference 30m: 0.958
- Each indoor unit cooling capacity

Room A: MDV-D22T2 (27.1×22/258×0.958=2.21kW)

Room B: MDV-D28T2 (27.1×28/258×0.958=2.82kW)

Room C: MDV-D36T2 (27.1×36/258×0.958=3.62kW)

Room D: MDV-D45T2 (27.1×45/258×0.958=4.53kW)

Room E: MDV-D56T2 (27.1×56/258×0.958=5.64kW)

Room F: MDV-D71T2 (27.1×71/258×0.958=7.14kW)

Location	Room A	Room B	Room C	Room D	Room E	Room F
Load kW	2.1	2.8	3.5	4.6	5.8	7.2
Model	22	28	36	45	56	71
Capacity kW	2.21	2.82	3.62	4.53	5.64	7.14

2.4 Conclusion

Generally, this result is acceptable, therefore the calculation process has been completed. But if it appears that the result is not acceptable, the above process may be repeated.

Remark: In this sample, other capacity modification indexes were not considered and are assumed as 1.0.

For more details about the effect factor such as outside ambient/inside ambient DB/WD, please refer to the performance table of indoor and outdoor units.

Part 3 Specifications & Performances

1. Specifications

Outdoor unit specifications

HP			**8**	**10**	**12**
Model			**MV5-X224W/V2GN1-AU**	**MV5-X280W/V2GN1-AU**	**MV5-X335W/V2GN1-AU**
Power supply		V/Ph/Hz	380-415/3/50		
Cooling	Capacity	kW	22.4	28.0	33.5
	Power input	kW	5.51	7.20	9.00
	EER		4.07	3.89	3.72
Heating	Capacity	kW	25.0	31.5	37.5
	Power input	kW	5.78	8.27	9.80
	COP		4.33	3.81	3.83
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity		
	Max. quantity		16	18	22
Compressor	Type		DC inverter		
	Model		E655DHD-65D2YG	E655DHD-65D2YG	E705DHD-72D2YG
	Brand		Hitachi		
	Quantity		1		
	Crankcase heater	W	27.6×2		
	Refrigerant oil type		FVC68D		
	Refrigerant oil charge	ml	500		
Fan motor	Type		DC motor		
	Model		WZDK750-38G-4		
	Brand		Panasonic/Nidec		
	Quantity		1		
	Insulation class		E		
	Safe class		IP23		
	Input	W	600		
	Output	W	465		
	Static pressure	Pa	0-20 (default)		
		Pa	20-60 (customized)		
Fan	Material		Plastic		
	Type		Axial		
	Quantity		1		
Outdoor coil	Number of rows		2	2	3
	Tube pitch(a) ×row pitch(b)	mm	22×19		
	Fin spacing	mm	1.6		
	Fin type		Hydrophilic aluminum		
	Tube outside diameter	mm	Φ8		
	Tube type		Inner-grooved		
	Coil length × height	mm	1970×1232		
	Number of circuits		22		

Refrigerant	Type		R410A		
	Factory charging	kg	9	9	11
Pipe connections	Liquid pipe	mm	Φ12.7	Φ12.7	Φ15.9
	Gas pipe	mm	Φ22.2	Φ22.2	Φ28.6
	Oil balance pipe	mm	Φ8		
Design pressure(High/low)		MPa	4.4/2.6		
Air flow rate		m^3/h	12000		
Sound pressure level		dB(A)	58	59	60
Net dimension (W×H×D)		mm	990×1635×790		
Packing size (W×H×D)		mm	1090×1805×860		
Net weight		kg	219	219	237
Gross weight		kg	234	234	252
Operating temperature range		°C	Cooling: -5~48; Heating: -20~24		

Notes:

Capacities are based on the following conditions:

Cooling: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB;

Heating: Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB.

Piping length: Interconnecting piping length is 7.5m, level difference is zero.

Sound values are measured in a semi-anechoic room, at a position of 1m in front of the unit and 1.3m above the floor.

Outdoor unit specifications

HP			**14**	**16**	**18**
Model			**MV5-X400W/V2GN1-AU**	**MV5-X450W/V2GN1-AU**	**MV5-X500W/V2GN1-AU**
Power supply		V/Ph/Hz	380-415/3/50		
Cooling	Capacity	kW	40.0	45.0	50.0
	Power input	kW	10.80	12.80	14.50
	EER		3.70	3.52	3.45
Heating	Capacity	kW	45.0	50.0	56.0
	Power input	kW	11.58	13.35	16.67
	COP		3.89	3.75	3.36
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity		
	Max. quantity		26	30	34
Compressor	Type		DC inverter		
	Model		E405DHD-42D2YG	E405DHD-42D2YG	E405DHD-36D2YG+ E705DHD-72D2YG
	Brand		Hitachi		
	Quantity		2		
	Crankcase heater	W	27.6×4		
	Refrigerant oil type		FVC68D		
	Refrigerant oil charge	ml	500×2		
Fan motor	Type		DC motor		
	Model		WZDK750-38G-4		
	Brand		Panasonic/Nidec		
	Quantity		2		
	Insulation class		E		
	Safe class		IP23		
	Input	W	400+350	400+350	530+420
	Output	W	290+230	290+230	420+350
	Static pressure	Pa	0-20 (default)		
		Pa	20-60 (customized)		
Fan	Material		Plastic		
	Type		Axial		
	Quantity		2		
Outdoor coil	Number of rows		2		
	Tube pitch(a) ×row pitch(b)	mm	22×19		
	Fin spacing	mm	1.6		
	Fin type		Hydrophilic aluminum		
	Tube outside diameter	mm	Φ8		
	Tube type		Inner-grooved		
	Coil length × height	mm	2320×1232	2320×1232	2270×1232
	Number of circuits		22		

Refrigerant	Type		R410A		
	Factory charging	kg	13	13	13
Pipe connections	Liquid pipe	mm	Φ15.9	Φ15.9	Φ19.1
	Gas pipe	mm	Φ25.4	Φ25.4	Φ31.8
	Oil balance pipe	mm	Φ8		
Design pressure(High/low)		MPa	4.4/2.6		
Air flow rate		m^3/h	14000	14000	16000
Sound pressure level		dB(A)	62	62	63
Net dimension (W×H×D)		mm	1340×1635×790		
Packing size (W×H×D)		mm	1405×1805×855		
Net weight		kg	333	333	344
Gross weight		kg	351	351	362
Operating temperature range		°C	Cooling: -5~48; Heating: -20~24		

Notes:

Capacities are based on the following conditions:

Cooling: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB;

Heating: Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB.

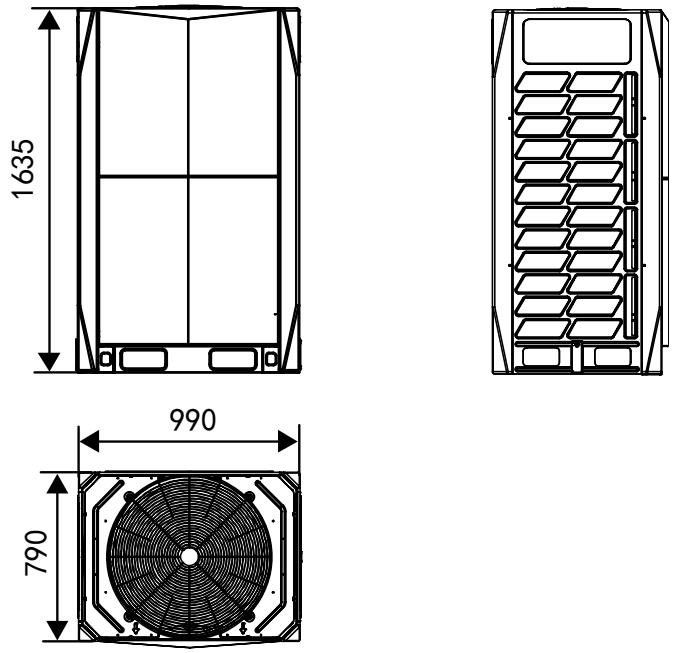
Piping length: Interconnecting piping length is 7.5m, level difference is zero.

Sound values are measured in a semi-anechoic room, at a position of 1m in front of the unit and 1.3m above the floor.

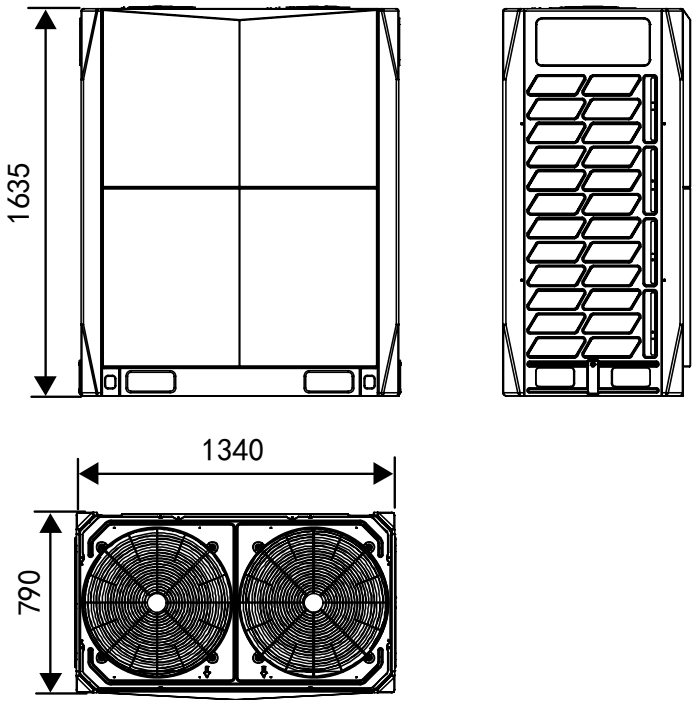
2. Dimensions

2.1 Overall dimensions

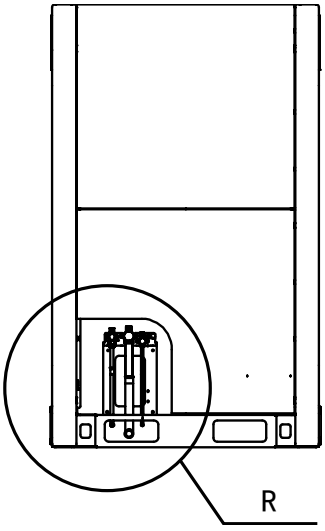
8, 10, 12HP, unit: mm

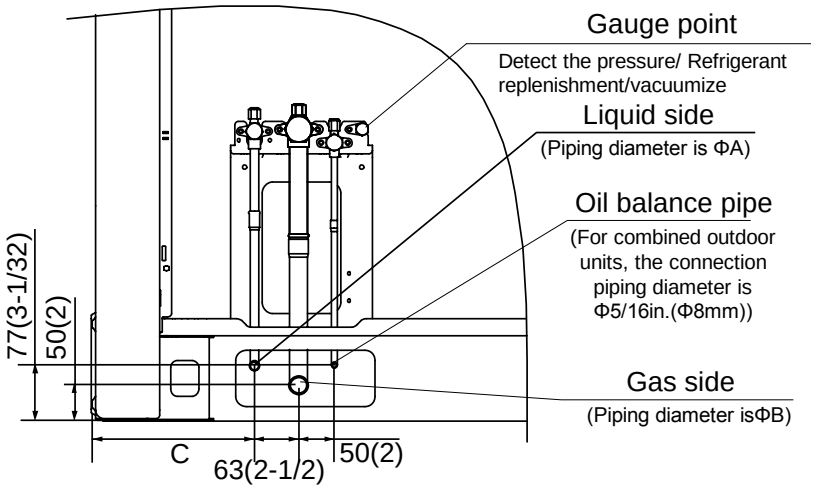


14, 16, 18HP, unit: mm



2.2 Section dimensions





Specifications (Unit: mm)

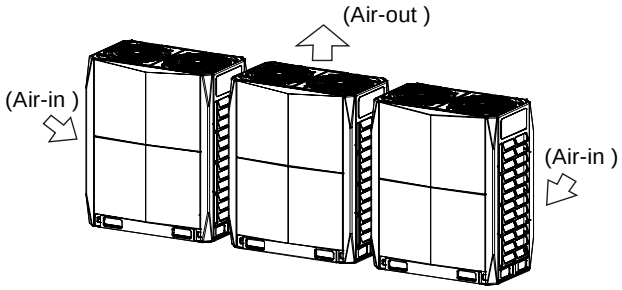
HP / Size	8/10	12	14/16	18
A	Φ12.7	Φ15.9	Φ15.9	Φ19.1
B	Φ22.2	Φ28.6	Φ25.4	Φ31.8
C	229	229	244	244

3. Service space

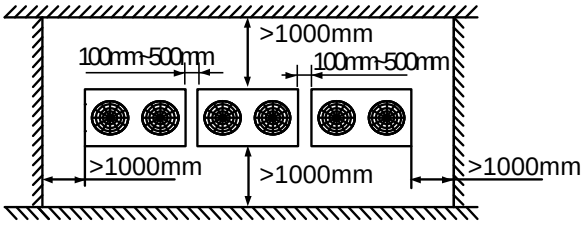
Ensure enough space for maintenance. Combined modules must be level.

- When installing the unit, leave enough space for maintenance.

Unit: mm (in.)



Installation and maintenance surface

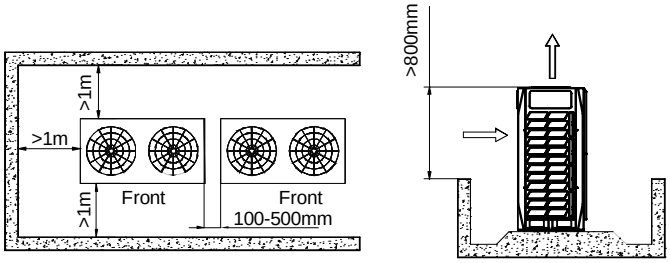


Top view of the outdoor unit

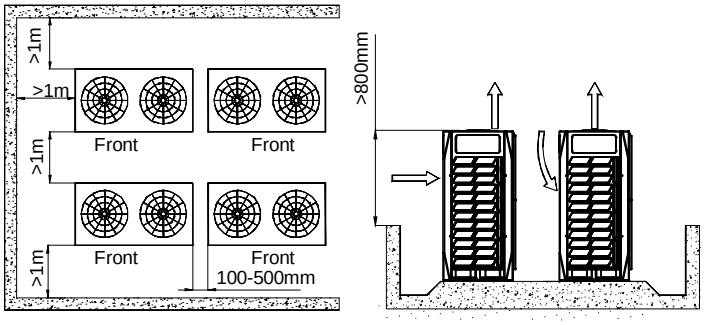
- When the outdoor unit is higher than the surrounding obstacle

Unit: mm (in.)

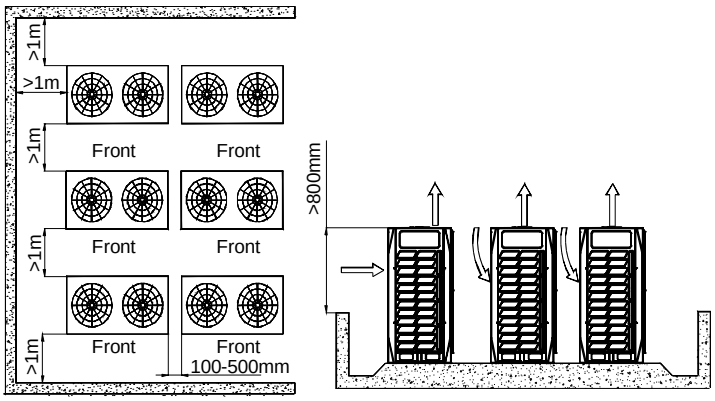
One row



Two rows

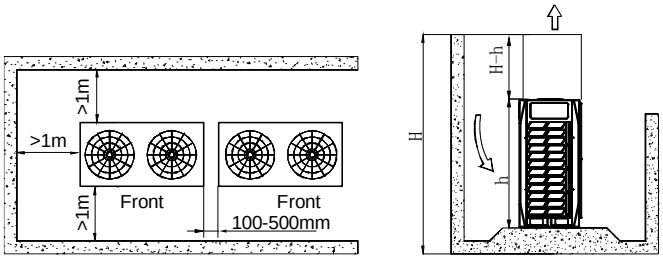


More than two rows

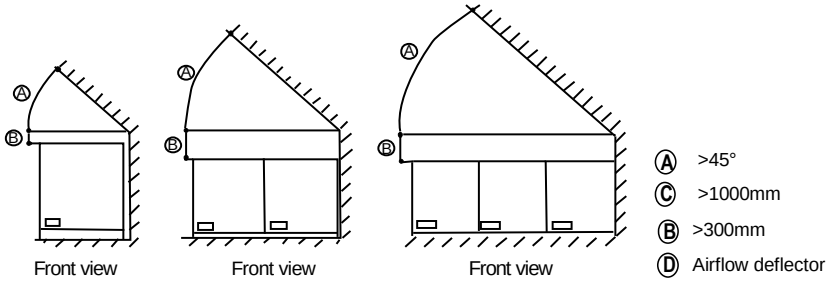


- When the outdoor unit is lower than the surrounding obstacle, to avoid cross connection of the outdoor hot air from affecting the heat exchange capabilities, please add an air director onto the exhaust hood of the

outdoor unit to facilitate heat dissipation. See the figure below. The height of the air director is HD (namely H-h). Please make the air director on site.



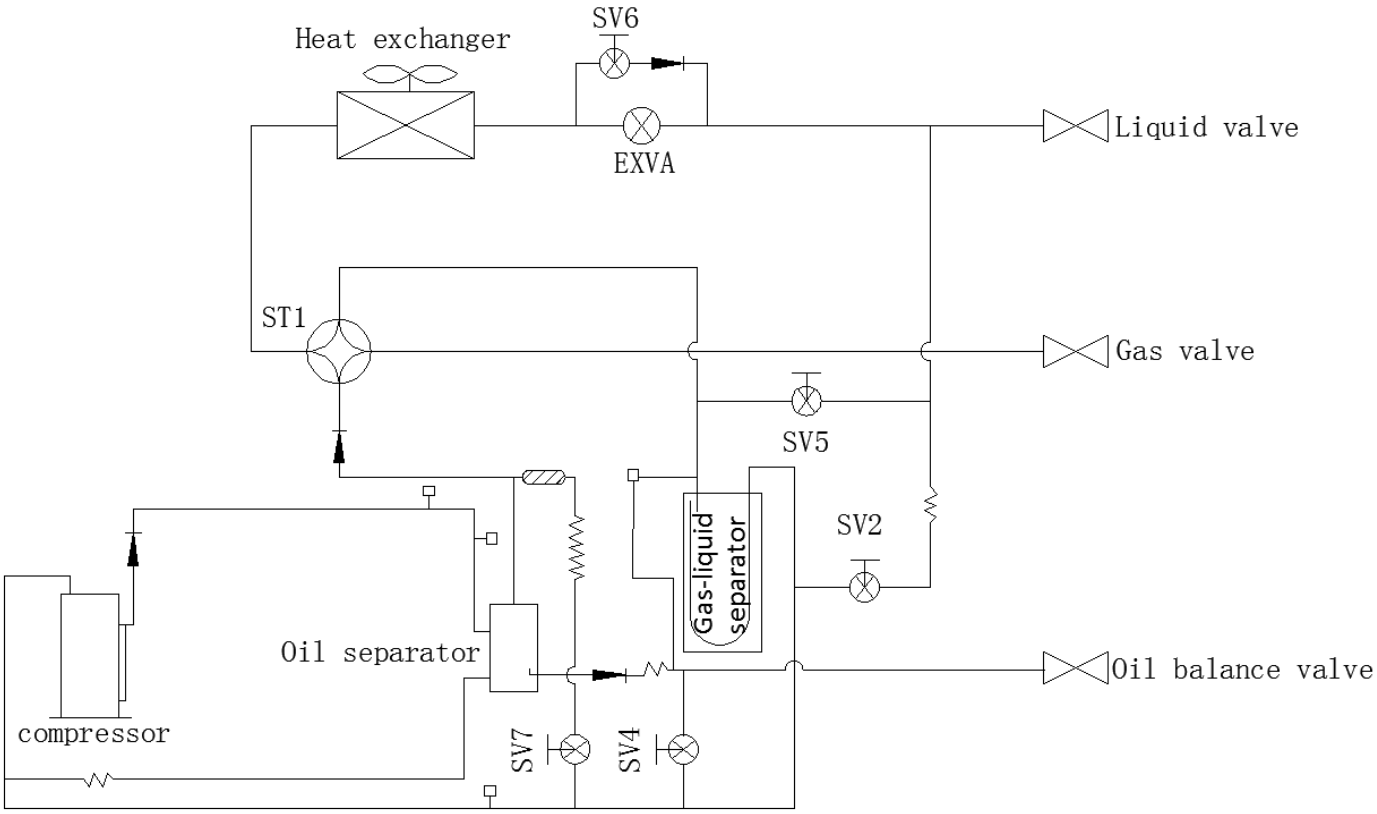
- If miscellaneous articles are piled around the outdoor unit, such articles must be 800mm (31-1/2in) below the top of the outdoor unit. The articles must be 800mm (31-1/2in) below the top of the outdoor unit. Otherwise, a mechanical exhaust device must be added.



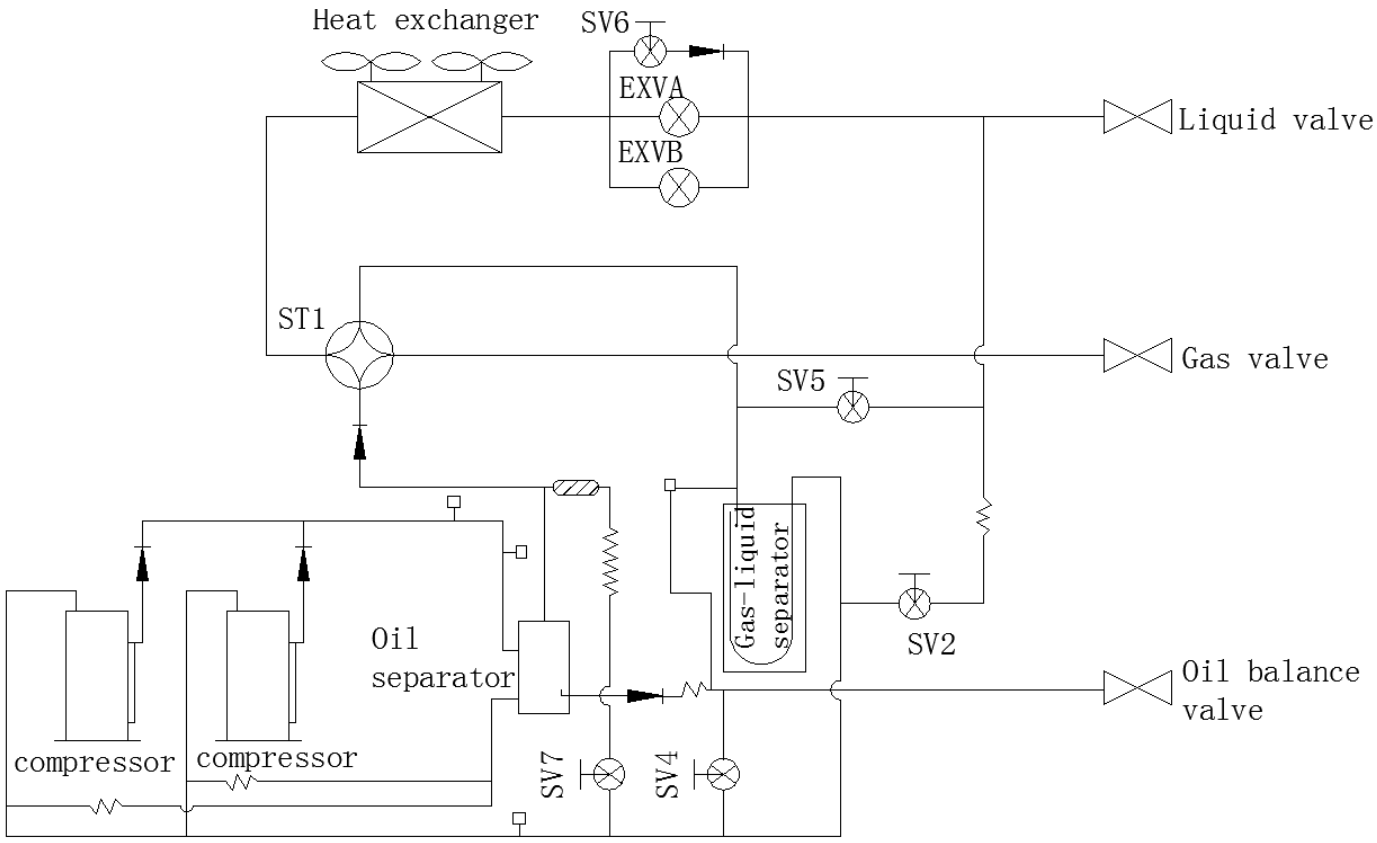
Unit: mm

4. Piping diagrams

8, 10, 12HP



14, 16, 18HP



Key components:

Oil separator: It is used to separate oil from high pressure and high temperature gas refrigerant, which is pumped out from compressor. The separation efficiency is up to 99%, it makes the oil return back to each compressor very soon.

Gas-liquid separator: It is used to store the liquid refrigerant and oil; it can protect the compressor from liquid hammering.

EXV (Electronic Expansion Valve): It is used to adjust refrigerant volume.

Four-way valve ST1: Closed in cooling mode and open in heating mode. The four-way valve is used to change the refrigerant flow direction in heating mode. When the ST1 is OFF, the heat exchanger functions as a condenser. When the ST1 is ON, the heat exchanger functions as an evaporator.

SV2: It is used to protect the compressor. When any compressor discharge temperature is higher than 100^{o}C, SV2 will be open and spray a small amount of liquid refrigerant to cooling compressor, and it will be closed when the discharge temperature is lower than 90^{o}C.

SV4: Oil return valve. Opens after the inverter compressor has run for 5 minutes and will close 15 minutes later (for single outdoor unit system).

Every 20 minutes, the SV4 of each outdoor unit will open for 3 minutes (for multiple outdoor unit system).

SV5: It is used for fast defrosting. In defrosting mode, the opening of SV5 can shorten the refrigerant flowing circle, so the defrosting process will takes less time. In cooling mode, it is always off.

SV6: It is used for by-pass. Open when the discharge temperature is over-high in cooling mode, and close when the unit is standby or system is in heating mode.

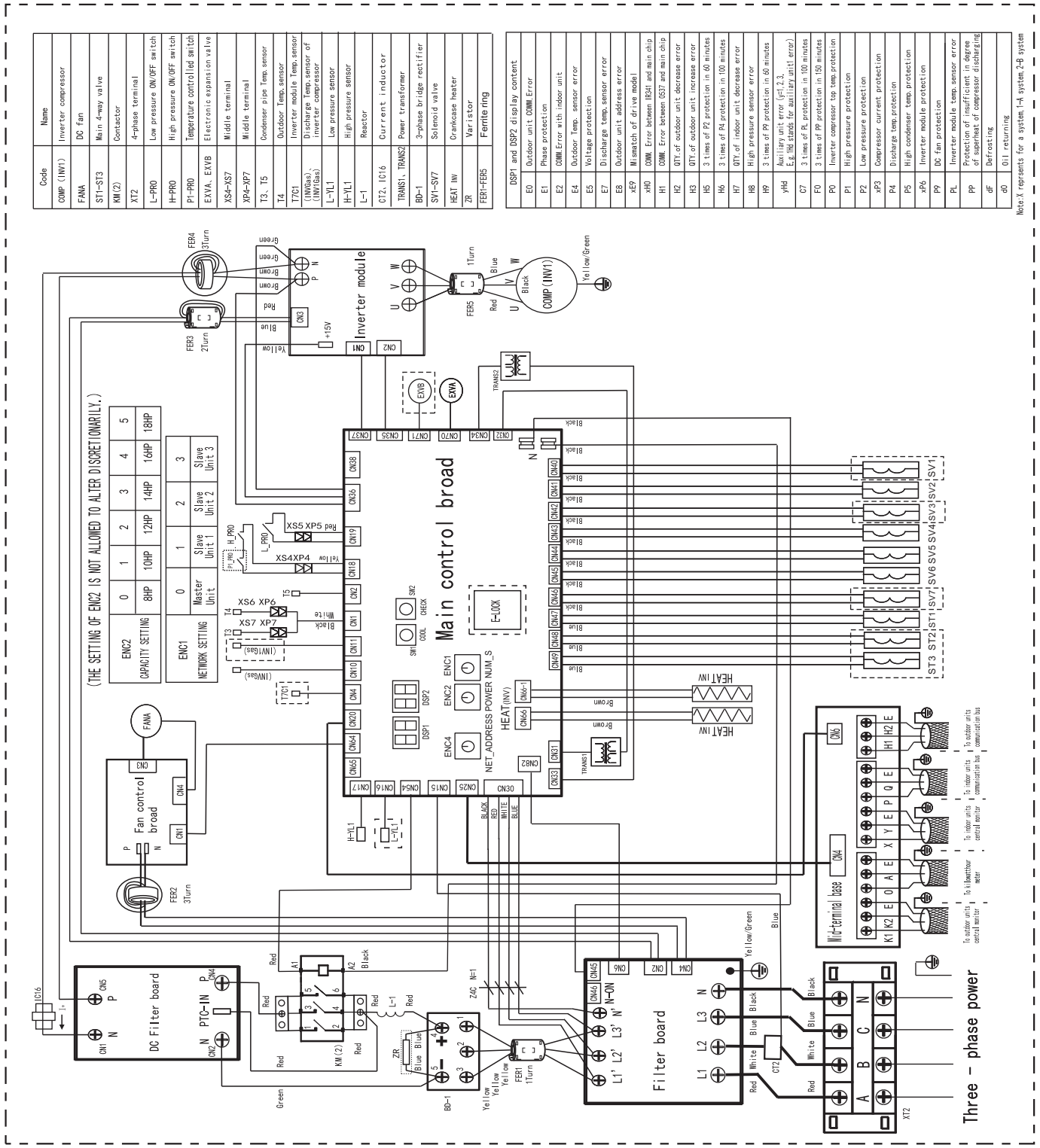
SV7: It is used to balance system pressure before starting the unit, and it can guarantee system reliability in heating mode under low temperature.

Pressure switch: It is used to protect the system pressure. When the system pressure is too high or too low, the pressure switch will open. Once the pressure switch is open, the compressor will stop, and the compressor will restart after ten minutes.

5. Wiring diagram and field wiring

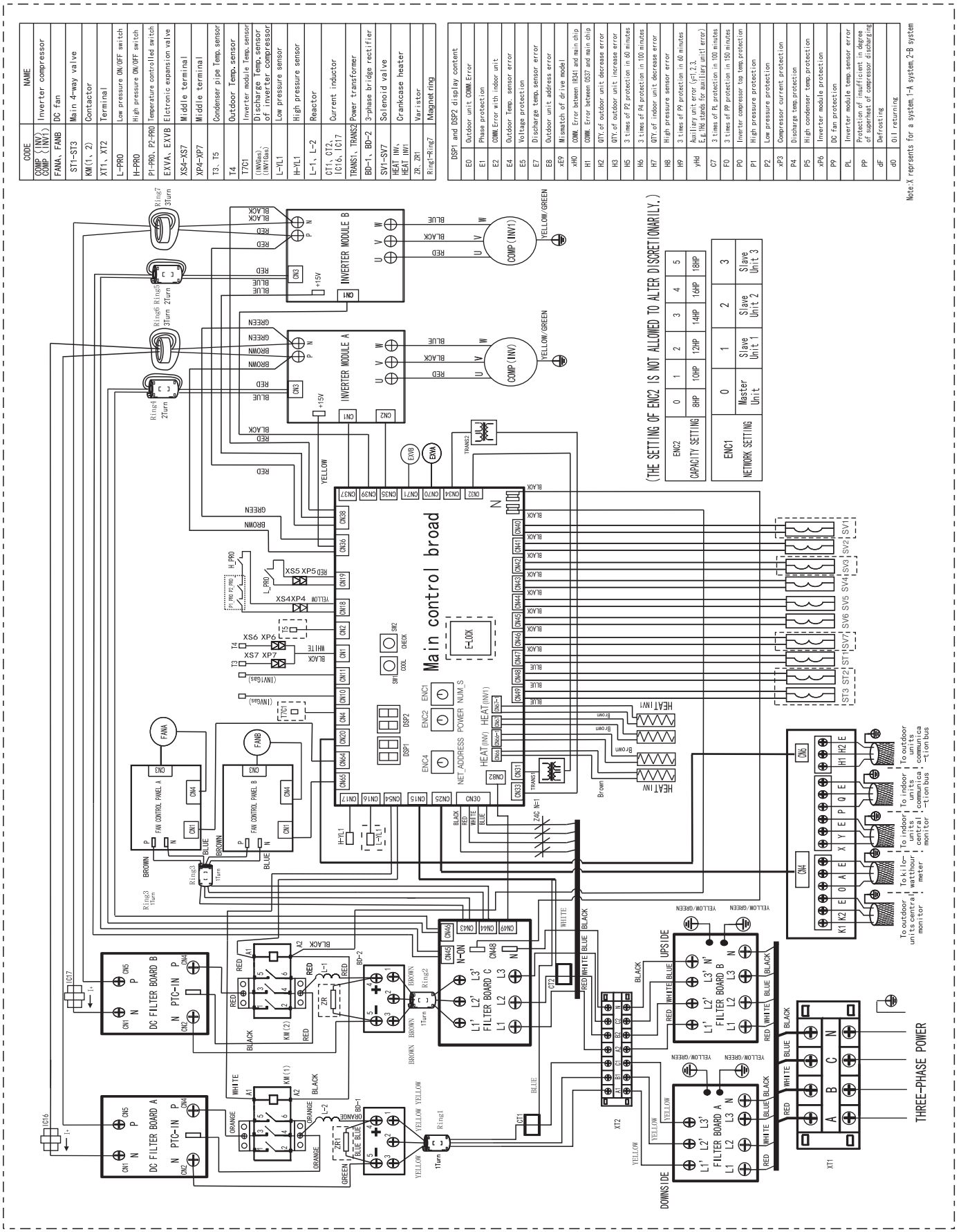
5.1 Wiring diagram

8, 10, 12HP



Wiring diagram

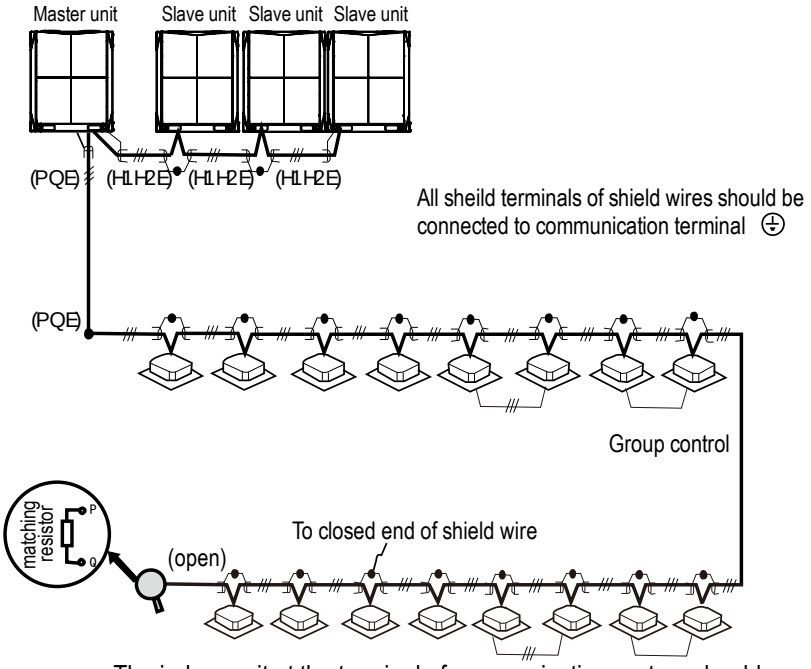
14, 16, 18HP



5.2 Field wiring

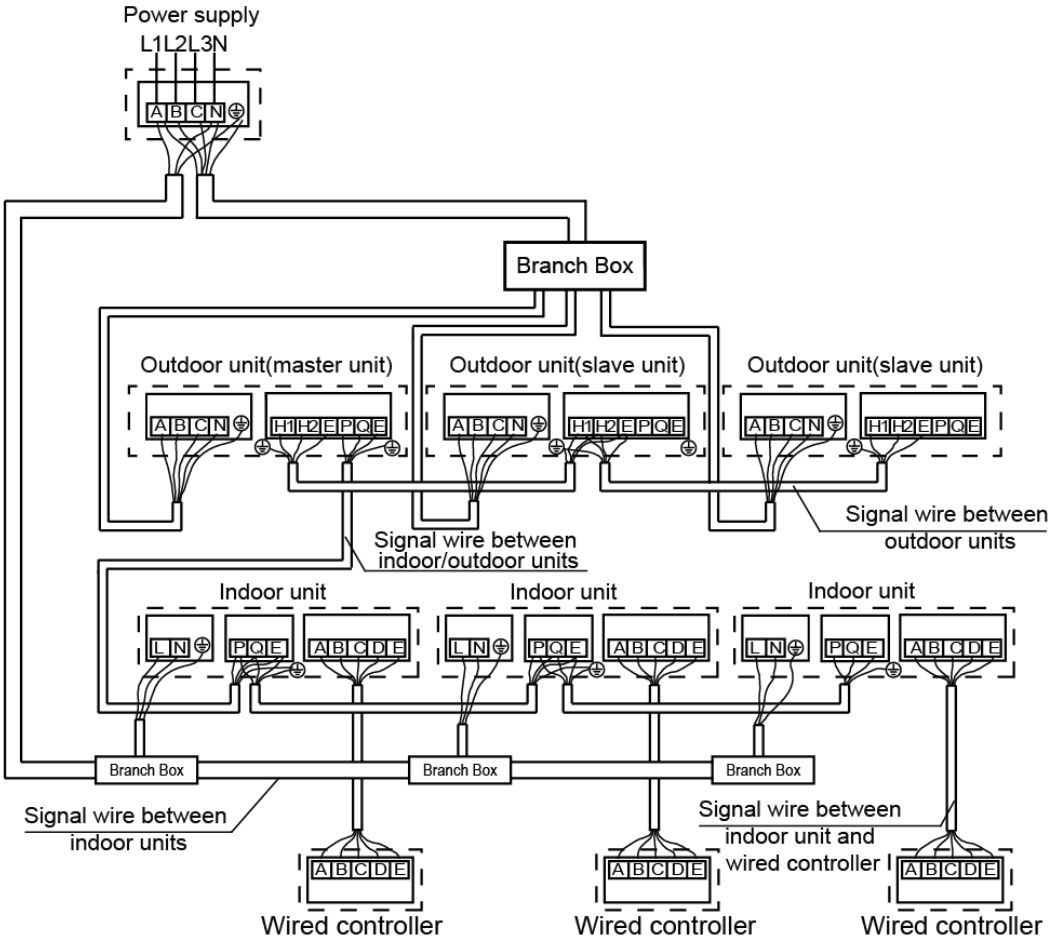
5.2.1 Signal wire between outdoor unit and indoor unit

Signal wire of indoor/outdoor unit adopts 3-core shielded wire (≥0.75mm^2) which has polarity, please connect it correctly.



The indoor unit at the terminal of communication system should parallel connect a resistor between portP and port Q.

5.2.2 Example wiring connection



6. Electric characteristics

Model	Units				Power supply			Compressor		OFM	
	Hz	Voltage (V)	Min. (V)	Max. (V)	MCA (A)	TOCA (A)	MFA (A)	MSC (A)	RLA (A)	kW	FLA (A)
8HP	50	380~415	342	456	20.0	25.6	25	-	8.2	0.48	4.6
10HP					21.0	25.6	25	-	9.8	0.48	4.6
12HP					23.0	27.6	25	-	11	0.48	4.6
14HP					27.3	37.4	30	-	7.2×2	0.4+0.28	3.9+3.5
16HP					29.9	37.5	35	-	7.3×2	0.425+0.335	4.0+3.5
18HP					34.4	45.5	40	-	11.3+7.4	0.425+0.335	4.0+3.5

Notes:

1. The current value of combination unit is the total value of each basic model:
2. RLA is based on the following conditions, Indoor temp. 27°C DB/19°C WB, Outdoor temp. 35°C DB
3. TOCA means the total value of each OC set.
4. MSC means the Max. current during the starting of compressor.
5. Voltage range units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
6. Maximum allowable voltage variation between phase is 2%
7. Selection wire size based on the value of MCA
8. MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth circuit breaker).

MCA: Min. Circuit Amps. (A); **TOCA:** Total Over-current Amps. (A); **MFA:** Max. Fuse Amps. (A); **MSC:** Max. Starting Amps. (A)
RLA: Rated Load Amps. (A); **OFM:** Outdoor Fan Motor; **FLA:** Full Load Amps. (A); **KW:** Rated Motor Output (KW)

7. Capacity tables

7.1 Cooling capacity tables

8HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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%	-5	19.68	2.31	23.93	2.59	26.99	2.80	27.77	3.04	29.70	3.24	30.51	3.52	30.75	3.55
	-2	19.68	2.31	23.93	2.65	26.99	2.80	27.77	3.06	29.70	3.24	30.51	3.57	30.75	3.58
	0	19.68	2.35	23.93	2.70	26.99	2.91	27.77	3.23	29.70	3.43	30.51	3.61	30.75	3.63
	2	19.68	2.40	23.93	2.71	26.99	3.02	27.77	3.42	29.70	3.47	30.51	3.64	30.75	3.68
	4	19.68	2.45	23.93	2.76	26.99	3.13	27.77	3.43	29.70	3.51	30.51	3.64	30.75	3.75
	6	19.68	2.50	23.93	2.82	26.99	3.25	27.77	3.46	29.19	3.62	29.63	3.64	30.41	3.78
	8	19.68	2.56	23.93	2.89	26.99	3.43	27.77	3.64	28.90	3.74	29.31	3.65	30.02	3.82
	10	19.68	2.61	23.93	2.96	26.99	3.56	27.77	3.76	28.62	3.77	28.97	3.77	29.68	3.93
	12	19.68	2.66	23.93	3.02	26.99	3.64	27.71	3.81	27.94	3.87	28.57	3.84	29.28	3.95
	14	19.68	2.71	23.93	3.08	26.83	3.65	27.48	3.83	27.54	3.90	28.25	3.90	28.97	4.04
	16	19.68	2.76	23.93	3.15	26.51	3.76	27.00	3.90	27.15	3.98	27.86	3.99	28.57	4.11
	18	19.68	2.81	23.93	3.22	26.12	3.81	26.56	3.95	26.83	4.09	27.54	4.13	28.25	4.17
	20	19.68	2.87	23.93	3.44	25.72	4.01	26.12	4.15	26.43	4.29	27.15	4.33	27.86	4.37
	21	19.68	2.95	23.93	3.57	25.56	4.11	25.96	4.25	26.27	4.39	26.99	4.43	27.70	4.47
	23	19.68	3.16	23.93	3.84	25.25	4.31	25.56	4.45	25.88	4.59	26.59	4.63	27.30	4.68
	25	19.68	3.37	23.93	4.13	24.85	4.51	25.17	4.65	25.56	4.79	26.27	4.84	26.99	4.89
	27	19.68	3.60	23.93	4.44	24.53	4.71	24.85	4.95	25.17	4.99	25.88	5.05	26.59	5.10
	29	19.68	3.85	23.93	4.76	24.14	4.91	24.45	5.21	24.85	5.20	25.56	5.25	26.27	5.31
	31	19.68	4.11	23.11	5.05	23.74	5.11	24.14	5.47	24.45	5.40	25.17	5.46	25.88	5.52
	33	19.68	4.37	22.71	5.25	23.43	5.31	23.74	5.77	24.14	5.60	24.85	5.66	25.48	5.73
	35	19.68	4.66	22.32	5.45	23.03	5.52	23.43	5.78	23.74	5.81	24.45	5.88	25.17	5.94
	37	19.68	4.96	22.00	5.65	22.71	5.72	23.03	5.87	23.43	6.02	24.06	6.09	24.77	6.16
	39	19.68	5.28	21.61	5.72	22.32	5.92	22.71	6.07	23.03	6.23	23.74	6.30	24.45	6.37
	41	19.68	5.56	21.38	5.77	22.08	5.98	22.48	6.13	22.80	6.29	23.51	6.31	23.52	6.43
	43	19.68	5.70	21.23	5.80	21.97	6.00	22.36	6.16	22.56	6.29	23.08	6.32	23.24	6.45
	45	19.68	5.98	21.09	5.86	21.73	6.05	22.13	6.20	22.23	6.32	22.45	6.34	22.78	6.57
	48	19.47	6.20	21.85	6.06	23.69	6.11	24.13	6.26	24.33	6.40	24.22	6.45	24.66	6.47
120%	-5	18.48	2.23	21.45	2.41	24.95	2.79	25.99	3.13	27.97	3.34	28.60	3.62	29.24	3.72
	-2	18.48	2.25	21.45	2.44	24.95	2.82	25.99	3.15	27.97	3.38	28.60	3.66	29.24	3.74
	0	18.48	2.27	21.45	2.46	24.95	2.86	25.99	3.16	27.97	3.41	28.60	3.68	29.24	3.74
	2	18.48	2.27	21.45	2.48	24.95	2.88	25.99	3.19	27.97	3.43	28.60	3.71	29.24	3.75
	4	18.48	2.30	21.45	2.52	24.95	2.92	25.99	3.23	27.97	3.48	28.60	3.71	29.24	3.76
	6	18.48	2.32	21.45	2.54	24.95	2.96	25.99	3.27	27.97	3.52	28.60	3.75	29.24	3.78
	8	18.48	2.34	21.45	2.57	24.95	3.01	25.99	3.31	27.97	3.56	28.60	3.76	29.24	3.79
	10	18.48	2.37	21.45	2.61	24.95	3.04	25.99	3.38	27.97	3.56	28.60	3.77	29.24	3.81
	12	18.48	2.42	21.45	2.66	24.95	3.11	25.99	3.45	27.57	3.57	28.20	3.75	28.84	3.84
	14	18.48	2.46	21.45	2.72	24.95	3.18	25.99	3.52	27.17	3.60	27.89	3.81	28.52	3.88
	16	18.48	2.51	21.45	2.78	24.95	3.25	25.71	3.57	26.85	3.66	27.49	3.87	28.13	3.94
	18	18.48	2.55	21.45	2.84	24.95	3.37	25.63	3.68	26.46	3.75	27.09	3.96	27.81	4.00
	20	18.48	2.60	21.45	2.96	24.95	3.66	25.58	3.88	26.14	3.95	26.78	4.16	27.41	4.20
	21	18.48	2.63	21.45	3.08	24.95	3.80	25.58	4.12	25.90	4.05	26.62	4.26	27.25	4.31
	23	18.48	2.81	21.45	3.32	24.95	4.10	25.27	4.45	25.58	4.25	26.22	4.47	26.85	4.50
	25	18.48	3.00	21.45	3.57	24.55	4.29	24.87	4.64	25.19	4.45	25.90	4.66	26.54	4.71
	27	18.48	3.21	21.45	3.84	24.23	4.48	24.55	4.94	24.87	4.65	25.50	4.87	26.14	4.91
	29	18.48	3.42	21.45	4.12	23.84	4.68	24.15	5.15	24.47	4.85	25.11	5.07	25.82	5.12
	31	18.48	3.65	21.45	4.42	23.44	4.89	23.84	5.41	24.15	5.05	24.79	5.28	25.42	5.33
	33	18.48	3.88	21.45	4.73	23.12	5.08	23.44	5.64	23.75	5.25	24.39	5.48	25.03	5.54
	35	18.48	4.13	21.45	5.06	22.72	5.28	23.04	5.71	23.44	5.46	24.07	5.69	24.71	5.75
	37	18.48	4.40	21.45	5.41	22.40	5.49	22.72	5.74	23.04	5.66	23.68	5.89	24.31	5.96
	39	18.48	4.68	21.37	5.73	22.01	5.68	22.33	5.78	22.64	5.87	23.36	6.11	23.99	6.17
	41	18.48	4.81	21.20	5.77	21.84	5.73	22.15	5.82	22.47	5.91	23.19	6.12	23.30	6.21
	43	18.48	4.88	21.09	5.82	21.66	5.76	21.98	5.84	22.30	5.93	22.78	6.14	22.94	6.34
	45	18.48	4.93	20.97	5.87	21.46	5.82	21.75	5.90	22.10	5.98	22.32	6.16	22.71	6.48
	48	20.90	4.97	24.09	5.94	24.54	5.88	24.80	5.95	25.33	6.03	25.46	6.18	25.97	6.56
110%	-5	17.13	1.92	19.79	2.17	23.95	2.58	24.58	2.90	26.17	3.19	28.17	3.31	28.81	3.53
	-2	17.13	1.96	19.79	2.20	23.95	2.60	24.58	2.93	26.17	3.21	28.17	3.35	28.81	3.55
	0	17.13	1.98	19.79	2.21	23.95	2.62	24.58	2.95	26.17	3.25	28.17	3.38	28.81	3.59
	2	17.13	2.02	19.79	2.24	23.95	2.67	24.58	2.98	26.17	3.28	28.17	3.43	28.81	3.64
	4	17.13	2.06	19.79	2.26	23.95	2.69	24.58	3.02	26.17	3.34	28.17	3.48	28.81	3.67
	6	17.13	2.08	19.79	2.29	23.95	2.72	24.58	3.07	26.17	3.38	28.17	3.52	28.81	3.73
	8	17.13	2.10	19.79	2.33	23.95	2.76	24.58	3.10	26.17	3.42	28.17	3.54	28.81	3.77
	10	17.13	2.13	19.79	2.37	23.95	2.80	24.58	3.16	26.17	3.47	28.17	3.57	28.81	3.80
	12	17.13	2.17	19.79	2.42	23.95	2.86	24.58	3.23	26.17	3.54	27.85	3.62	28.41	3.85
	14	17.13	2.21	19.79	2.47	23.95	2.92	24.58	3.29	26.17	3.61	27.45	3.65	28.09	3.88
	16	17.13	2.25	19.79	2.52	23.95	2.98	24.58	3.36	26.17	3.68	27.13	3.70	27.69	3.92
	18	17.13	2.29	19.79	2.57	23.95	3.05	24.58	3.45	26.17	3.86	26.73	3.89	27.37	4.04
	20	17.13	2.34	19.79	2.63	23.95	3.24	24.58	3.72	25.78	4.06	26.42	4.09	26.98	4.24
	21	17.13	2.36	19.79	2.71	23.95	3.37	24.58	4.02	25.62	4.16	26.18	4.19	26.81	4.34
	23	17.13	2.47	19.79	2.92	23.95	3.64	24.58	4.28	25.22	4.34	25.86	4.39	26.42	4.54
	25	17.13	2.64	19.79	3.14	23.95	3.91	24.58	4.56	24.90	4.54	25.46	4.59	26.10	4.73
	27	17.13	2.81	19.79	3.38	23.95	4.20	24.18	4.78	24.50	4.74	25.14	4.78	25.70	4.94
	29	17.13	3.00	19.79	3.62	23.95	4.51	23.86	5.06	24.18	4.94	24.74	4.98	25.38	5.14
	31	17.13	3.19	19.79	3.87	23.95	4.83	23.46	5.34	23.78	5.13	24.42	5.18	24.98	5.34
	33	17.13	3.40	19.79	4.14	23.95	5.11	23.14	5.55	23.46	5.33	24.02	5.38	24.66	5.55
	35	17.13	3.61	19.79	4.43	22.43	5.30	22.74	5.61	23.06	5.53	23.62	5.58	24.26	5.75
	37	17.13	3.85	19.79	4.73	22.11	5.51	22.43	5.64	22.67	5.73	23.30	5.79	23.86	5.95
	39	17.13	4.09	19.79	5.05	21.71	5.70	22.03	5.84	22.35	5.93	22.90	5.99	23.54	6.16
	41	17.13	4.13	19.79	5.09	21.54	5.74	21.86	5.89	22.18	5.97	22.61	6.03	22.83	6.20
	43	17.13	4.17	19.79	5.16	21.37	5.79	21.69	5.93	22.01	6.01	22.41	6.05	22.48	6.33
	45	17.13	4.31	19.79	5.19	21.15	5.84	21.46	6.00	21.81	6.07	22.18	6.22	22.27	6.48
	48	17.87	4.43	21.30	5.61	22.43	5.84	22.73	6.00	23.21	6.09	23.48	6.21	23.67	6.50

Cooling capacity tables

8HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
100%	-5	15.72	1.97	18.45	2.15	22.09	2.37	22.40	2.78	23.84	2.72	26.80	3.01	28.32	3.32
	-2	15.72	2.00	18.45	2.18	22.09	2.42	22.40	2.80	23.84	2.76	26.80	3.05	28.32	3.34
	0	15.72	2.02	18.45	2.20	22.09	2.46	22.40	2.85	23.84	2.78	26.80	3.10	28.32	3.38
	2	15.72	2.05	18.45	2.23	22.09	2.51	22.40	2.87	23.84	2.82	26.80	3.15	28.32	3.43
	4	15.72	2.07	18.45	2.27	22.09	2.55	22.40	2.91	23.84	2.85	26.80	3.18	28.32	3.47
	6	15.72	2.12	18.45	2.30	22.09	2.59	22.40	2.98	23.84	2.90	26.80	3.23	28.32	3.53
	8	15.72	2.15	18.45	2.35	22.09	2.64	22.40	3.03	23.84	2.95	26.80	3.29	28.32	3.59
	10	15.72	2.19	18.45	2.39	22.09	2.68	22.40	3.08	23.84	3.01	26.80	3.35	28.32	3.64
	12	15.72	2.24	18.45	2.45	22.09	2.78	22.40	3.14	23.84	3.07	26.80	3.42	27.92	3.67
	14	15.72	2.28	18.45	2.50	22.09	2.91	22.40	3.34	23.84	3.12	26.80	3.49	27.60	3.71
	16	15.72	2.33	18.45	2.56	22.09	2.98	22.40	3.42	23.84	3.19	26.64	3.53	27.20	3.76
	18	15.72	2.37	18.45	2.61	22.09	3.10	22.40	3.56	23.84	3.26	26.32	3.66	26.88	3.86
	20	15.72	2.42	18.45	2.70	22.09	3.35	22.40	3.80	23.84	3.50	25.92	3.85	26.48	4.05
	21	15.72	2.44	18.45	2.81	22.09	3.59	22.40	4.03	23.84	3.63	25.76	3.94	26.32	4.14
	23	15.72	2.62	18.45	3.03	22.09	3.87	22.40	4.31	23.84	3.90	25.44	4.14	25.92	4.34
	25	15.72	2.80	18.45	3.27	22.09	4.17	22.40	4.52	23.84	4.19	25.04	4.33	25.60	4.53
	27	15.72	2.99	18.45	3.52	22.09	4.42	22.40	4.84	23.84	4.50	24.64	4.52	25.20	4.73
	29	15.72	3.20	18.45	3.78	22.09	4.75	22.40	4.94	23.76	4.79	24.32	4.72	24.88	4.92
	31	15.72	3.42	18.45	4.05	22.09	5.08	22.40	5.03	23.44	4.98	23.92	4.91	24.48	5.12
	33	15.72	3.65	18.45	4.34	22.09	5.32	22.40	5.17	23.04	5.17	23.60	5.11	24.16	5.33
	35	15.72	3.89	18.45	4.65	22.09	5.43	22.40	5.51	22.64	5.37	23.20	5.31	23.76	5.52
	37	15.72	4.15	18.45	4.98	22.09	5.47	22.00	5.55	22.40	5.57	22.88	5.51	23.36	5.72
	39	15.72	4.42	18.45	5.32	22.09	5.57	21.69	5.57	22.40	5.76	22.48	5.70	23.04	5.93
	41	15.72	4.58	18.45	5.53	22.09	5.65	21.55	5.65	22.40	5.85	22.09	5.84	22.70	6.05
	43	15.72	4.75	18.45	5.64	22.09	5.69	21.47	5.69	22.40	5.91	22.22	5.88	22.30	6.12
	45	15.72	4.97	18.45	5.74	22.09	5.74	21.33	5.74	22.40	6.02	22.03	5.98	21.86	6.20
	48	15.38	5.11	18.32	5.71	21.33	5.78	21.12	5.78	22.40	6.09	21.05	6.00	21.75	6.22
90%	-5	13.60	1.55	16.24	1.77	18.88	2.06	20.16	2.30	21.44	2.55	24.08	2.94	26.72	3.36
	-2	13.60	1.57	16.24	1.79	18.88	2.08	20.16	2.34	21.44	2.58	24.08	2.96	26.72	3.39
	0	13.60	1.59	16.24	1.81	18.88	2.12	20.16	2.37	21.44	2.62	24.08	3.00	26.72	3.42
	2	13.60	1.62	16.24	1.84	18.88	2.14	20.16	2.41	21.44	2.66	24.08	3.06	26.72	3.47
	4	13.60	1.64	16.24	1.86	18.88	2.18	20.16	2.44	21.44	2.69	24.08	3.11	26.72	3.52
	6	13.60	1.66	16.24	1.90	18.88	2.22	20.16	2.49	21.44	2.74	24.08	3.16	26.72	3.58
	8	13.60	1.70	16.24	1.94	18.88	2.27	20.16	2.52	21.44	2.79	24.08	3.21	26.72	3.61
	10	13.60	1.73	16.24	1.99	18.88	2.32	20.16	2.56	21.44	2.85	24.08	3.26	26.72	3.67
	12	13.60	1.76	16.24	2.02	18.88	2.36	20.16	2.60	21.44	2.90	24.08	3.32	26.72	3.74
	14	13.60	1.79	16.24	2.06	18.88	2.41	20.16	2.66	21.44	2.96	24.08	3.38	26.72	3.81
	16	13.60	1.82	16.24	2.10	18.88	2.46	20.16	2.71	21.44	3.02	24.08	3.45	26.72	3.88
	18	13.60	1.85	16.24	2.14	18.88	2.50	20.16	2.76	21.44	3.08	24.08	3.51	26.72	4.00
	20	13.60	1.89	16.24	2.20	18.88	2.56	20.16	2.82	21.44	3.19	24.08	3.78	26.72	4.19
	21	13.60	1.90	16.24	2.21	18.88	2.60	20.16	3.04	21.44	3.30	24.08	3.91	26.72	4.28
	23	13.60	1.94	16.24	2.30	18.88	2.80	20.16	3.30	21.44	3.54	24.08	4.20	26.72	4.48
	25	13.60	2.04	16.24	2.47	18.88	3.00	20.16	3.45	21.44	3.79	24.08	4.50	26.72	4.68
	27	13.60	2.17	16.24	2.63	18.88	3.21	20.16	3.78	21.44	4.05	24.08	4.81	26.72	4.87
	29	13.60	2.32	16.24	2.82	18.88	3.44	20.16	3.93	21.44	4.33	24.08	5.03	26.72	5.07
	31	13.60	2.46	16.24	3.00	18.88	3.67	20.16	4.25	21.44	4.62	24.08	5.23	26.72	5.27
	33	13.60	2.61	16.24	3.20	18.88	3.93	20.16	4.57	21.44	4.93	24.08	5.43	26.72	5.47
	35	13.60	2.78	16.24	3.41	18.88	4.19	20.16	4.78	21.44	5.25	24.08	5.63	26.72	5.67
	37	13.60	2.94	16.24	3.63	18.88	4.47	20.16	5.00	21.44	5.60	24.08	5.82	26.72	5.87
	39	13.60	3.12	16.24	3.87	18.88	4.77	20.16	5.08	21.44	5.96	24.08	6.03	26.72	6.07
	41	13.60	3.23	16.24	4.05	18.88	4.95	20.16	5.17	21.44	5.99	24.08	6.18	26.72	6.21
	43	13.60	3.39	16.24	4.23	18.88	5.12	20.16	5.27	21.44	6.12	24.08	6.26	26.72	6.31
	45	13.60	3.60	16.24	4.45	18.88	5.34	20.16	5.36	21.44	6.29	24.08	6.33	26.72	6.40
	48	13.60	3.25	16.24	3.96	18.88	4.72	20.16	5.41	21.44	5.42	24.08	5.48	26.72	5.54
80%	-5	12.08	1.38	14.40	1.63	16.72	1.85	17.92	1.63	19.12	2.21	21.44	2.55	23.76	2.91
	-2	12.08	1.40	14.40	1.65	16.72	1.86	17.92	1.63	19.12	2.23	21.44	2.58	23.76	2.94
	0	12.08	1.42	14.40	1.67	16.72	1.89	17.92	1.67	19.12	2.27	21.44	2.61	23.76	2.98
	2	12.08	1.45	14.40	1.69	16.72	1.92	17.92	1.74	19.12	2.31	21.44	2.67	23.76	3.04
	4	12.08	1.47	14.40	1.72	16.72	1.95	17.92	1.74	19.12	2.35	21.44	2.71	23.76	3.08
	6	12.08	1.50	14.40	1.76	16.72	1.99	17.92	1.79	19.12	2.39	21.44	2.76	23.76	3.13
	8	12.08	1.53	14.40	1.80	16.72	2.03	17.92	1.86	19.12	2.45	21.44	2.80	23.76	3.19
	10	12.08	1.54	14.40	1.84	16.72	2.09	17.92	1.88	19.12	2.50	21.44	2.86	23.76	3.23
	12	12.08	1.56	14.40	1.87	16.72	2.13	17.92	1.93	19.12	2.56	21.44	2.91	23.76	3.29
	14	12.08	1.59	14.40	1.91	16.72	2.17	17.92	2.03	19.12	2.60	21.44	2.97	23.76	3.35
	16	12.08	1.62	14.40	1.94	16.72	2.21	17.92	2.24	19.12	2.65	21.44	3.03	23.76	3.41
	18	12.08	1.65	14.40	1.98	16.72	2.26	17.92	2.39	19.12	2.70	21.44	3.09	23.76	3.48
	20	12.08	1.68	14.40	2.02	16.72	2.30	17.92	2.56	19.12	2.75	21.44	3.20	23.76	3.72
	21	12.08	1.69	14.40	2.03	16.72	2.32	17.92	2.69	19.12	2.82	21.44	3.32	23.76	3.85
	23	12.08	1.72	14.40	2.08	16.72	2.44	17.92	2.83	19.12	3.01	21.44	3.55	23.76	4.14
	25	12.08	1.78	14.40	2.21	16.72	2.61	17.92	3.02	19.12	3.22	21.44	3.80	23.76	4.42
	27	12.08	1.89	14.40	2.35	16.72	2.79	17.92	3.19	19.12	3.44	21.44	4.06	23.76	4.73
	29	12.08	2.01	14.40	2.50	16.72	2.98	17.92	3.46	19.12	3.67	21.44	4.33	23.76	5.06
	31	12.08	2.13	14.40	2.66	16.72	3.17	17.92	3.70	19.12	3.92	21.44	4.63	23.76	5.26
	33	12.08	2.27	14.40	2.83	16.72	3.39	17.92	3.93	19.12	4.17	21.44	4.93	23.76	5.46
	35	12.08	2.41	14.40	3.01	16.72	3.61	17.92	4.05	19.12	4.44	21.44	5.26	23.76	5.65
	37	12.08	2.55	14.40	3.19	16.72	3.84	17.92	4.10	19.12	4.73	21.44	5.61	23.76	5.85
	39	12.08	2.70	14.40	3.41	16.72	4.09	17.92	4.17	19.12	5.03	21.44	5.97	23.76	6.06
	41	12.08	2.76	14.40	3.44	16.72	4.15	17.92	4.24	19.12	5.12	21.44	6.12	23.76	6.16
	43	12.08	2.84	14.40	3.47	16.72	4.21	17.92	4.28	19.12	5.19	21.44	6.19	23.76	6.23
	45	12.08	2.92	14.40	3.51	16.72	4.30	17.92	4.34	19.12	5.28	21.44	6.26	23.76	6.33
	48	12.08	2.54	14.40	2.98	16.72	3.67	17.92	4.44	19.12	4.49	21.44	5.33	23.76	5.40

Cooling capacity tables

8HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
70%	-5	10.56	1.26	12.64	1.48	14.64	1.60	15.68	1.71	16.72	1.91	18.72	2.19	20.80	2.52
	-2	10.56	1.27	12.64	1.48	14.64	1.61	15.68	1.72	16.72	1.95	18.72	2.22	20.80	2.55
	0	10.56	1.28	12.64	1.50	14.64	1.65	15.68	1.73	16.72	1.98	18.72	2.27	20.80	2.59
	2	10.56	1.28	12.64	1.51	14.64	1.68	15.68	1.78	16.72	2.02	18.72	2.32	20.80	2.63
	4	10.56	1.30	12.64	1.55	14.64	1.71	15.68	1.80	16.72	2.06	18.72	2.35	20.80	2.69
	6	10.56	1.32	12.64	1.57	14.64	1.76	15.68	1.84	16.72	2.11	18.72	2.40	20.80	2.74
	8	10.56	1.34	12.64	1.62	14.64	1.80	15.68	1.87	16.72	2.15	18.72	2.47	20.80	2.79
	10	10.56	1.37	12.64	1.65	14.64	1.85	15.68	1.90	16.72	2.21	18.72	2.52	20.80	2.83
	12	10.56	1.41	12.64	1.67	14.64	1.89	15.68	1.94	16.72	2.25	18.72	2.56	20.80	2.88
	14	10.56	1.43	12.64	1.70	14.64	1.92	15.68	2.00	16.72	2.29	18.72	2.61	20.80	2.94
	16	10.56	1.45	12.64	1.73	14.64	1.96	15.68	2.01	16.72	2.34	18.72	2.66	20.80	2.99
	18	10.56	1.48	12.64	1.76	14.64	2.00	15.68	2.01	16.72	2.38	18.72	2.71	20.80	3.05
	20	10.56	1.50	12.64	1.79	14.64	2.04	15.68	2.14	16.72	2.42	18.72	2.76	20.80	3.14
	21	10.56	1.51	12.64	1.81	14.64	2.05	15.68	2.30	16.72	2.45	18.72	2.80	20.80	3.25
	23	10.56	1.54	12.64	1.84	14.64	2.10	15.68	2.42	16.72	2.57	18.72	3.00	20.80	3.48
	25	10.56	1.57	12.64	1.92	14.64	2.24	15.68	2.60	16.72	2.74	18.72	3.21	20.80	3.72
	27	10.56	1.66	12.64	2.04	14.64	2.39	15.68	2.82	16.72	2.93	18.72	3.43	20.80	3.98
	29	10.56	1.76	12.64	2.17	14.64	2.55	15.68	2.91	16.72	3.11	18.72	3.66	20.80	4.25
	31	10.56	1.86	12.64	2.30	14.64	2.72	15.68	3.11	16.72	3.32	18.72	3.90	20.80	4.53
	33	10.56	1.98	12.64	2.45	14.64	2.90	15.68	3.30	16.72	3.53	18.72	4.15	20.80	4.83
	35	10.56	2.10	12.64	2.59	14.64	3.08	15.68	3.45	16.72	3.76	18.72	4.43	20.80	5.15
	37	10.56	2.21	12.64	2.75	14.64	3.28	15.68	3.49	16.72	4.00	18.72	4.71	20.80	5.48
	39	10.56	2.35	12.64	2.91	14.64	3.48	15.68	3.56	16.72	4.25	18.72	5.01	20.80	5.84
	41	10.56	2.45	12.64	3.02	14.64	3.58	15.68	3.73	16.72	4.38	18.72	5.22	20.80	6.10
	43	10.56	2.65	12.64	3.22	14.64	3.73	15.68	3.88	16.72	4.51	18.72	5.40	20.80	6.29
	45	10.56	2.71	12.64	3.29	14.64	3.81	15.68	3.99	16.72	4.73	18.72	5.70	20.80	6.53
	48	10.56	1.94	12.64	2.33	14.64	2.68	15.68	4.06	16.72	3.40	18.72	4.17	20.80	4.68
60%	-5	9.04	1.08	10.80	1.25	12.56	1.46	13.44	1.55	14.32	1.68	16.08	1.88	17.84	2.16
	-2	9.04	1.08	10.80	1.27	12.56	1.48	13.44	1.57	14.32	1.69	16.08	1.91	17.84	2.17
	0	9.04	1.10	10.80	1.29	12.56	1.50	13.44	1.59	14.32	1.72	16.08	1.94	17.84	2.20
	2	9.04	1.12	10.80	1.32	12.56	1.53	13.44	1.63	14.32	1.74	16.08	1.98	17.84	2.23
	4	9.04	1.15	10.80	1.34	12.56	1.56	13.44	1.65	14.32	1.77	16.08	2.01	17.84	2.26
	6	9.04	1.16	10.80	1.37	12.56	1.59	13.44	1.68	14.32	1.81	16.08	2.05	17.84	2.31
	8	9.04	1.19	10.80	1.39	12.56	1.62	13.44	1.71	14.32	1.84	16.08	2.09	17.84	2.35
	10	9.04	1.21	10.80	1.42	12.56	1.65	13.44	1.76	14.32	1.88	16.08	2.13	17.84	2.39
	12	9.04	1.23	10.80	1.44	12.56	1.68	13.44	1.79	14.32	1.91	16.08	2.17	17.84	2.42
	14	9.04	1.25	10.80	1.47	12.56	1.70	13.44	1.82	14.32	1.95	16.08	2.21	17.84	2.47
	16	9.04	1.26	10.80	1.49	12.56	1.73	13.44	1.86	14.32	1.98	16.08	2.25	17.84	2.52
	18	9.04	1.29	10.80	1.51	12.56	1.76	13.44	1.89	14.32	2.02	16.08	2.28	17.84	2.56
	20	9.04	1.30	10.80	1.54	12.56	1.79	13.44	1.93	14.32	2.06	16.08	2.33	17.84	2.62
	21	9.04	1.32	10.80	1.55	12.56	1.81	13.44	2.06	14.32	2.07	16.08	2.35	17.84	2.64
	23	9.04	1.33	10.80	1.58	12.56	1.84	13.44	2.21	14.32	2.11	16.08	2.45	17.84	2.81
	25	9.04	1.36	10.80	1.61	12.56	1.91	13.44	2.33	14.32	2.25	16.08	2.61	17.84	3.00
	27	9.04	1.41	10.80	1.71	12.56	2.03	13.44	2.48	14.32	2.39	16.08	2.78	17.84	3.20
	29	9.04	1.49	10.80	1.81	12.56	2.17	13.44	2.54	14.32	2.55	16.08	2.97	17.84	3.42
	31	9.04	1.58	10.80	1.92	12.56	2.30	13.44	2.69	14.32	2.71	16.08	3.16	17.84	3.64
	33	9.04	1.67	10.80	2.03	12.56	2.44	13.44	2.80	14.32	2.88	16.08	3.36	17.84	3.88
	35	9.04	1.77	10.80	2.16	12.56	2.59	13.44	2.82	14.32	3.06	16.08	3.58	17.84	4.13
	37	9.04	1.87	10.80	2.28	12.56	2.74	13.44	2.99	14.32	3.25	16.08	3.80	17.84	4.40
	39	9.04	1.97	10.80	2.42	12.56	2.91	13.44	3.17	14.32	3.45	16.08	4.04	17.84	4.68
	41	9.04	2.04	10.80	2.52	12.56	3.01	13.44	3.30	14.32	3.58	16.08	4.23	17.84	4.89
	43	9.04	2.10	10.80	2.63	12.56	3.12	13.44	3.40	14.32	3.71	16.08	4.41	17.84	5.10
	45	9.04	2.20	10.80	2.76	12.56	3.25	13.44	3.53	14.32	3.89	16.08	4.61	17.84	5.38
	48	9.04	1.55	10.80	1.95	12.56	2.28	13.44	2.45	14.32	2.74	16.08	3.24	17.84	3.82
50%	-5	7.56	0.95	9.04	1.05	10.48	1.18	11.20	1.34	11.92	1.39	13.36	1.58	14.88	1.70
	-2	7.56	0.95	9.04	1.07	10.48	1.19	11.20	1.37	11.92	1.42	13.36	1.60	14.88	1.73
	0	7.56	0.97	9.04	1.09	10.48	1.21	11.20	1.38	11.92	1.43	13.36	1.63	14.88	1.76
	2	7.56	0.98	9.04	1.10	10.48	1.22	11.20	1.38	11.92	1.46	13.36	1.64	14.88	1.79
	4	7.56	0.99	9.04	1.12	10.48	1.25	11.20	1.39	11.92	1.49	13.36	1.68	14.88	1.84
	6	7.56	1.01	9.04	1.14	10.48	1.26	11.20	1.40	11.92	1.51	13.36	1.70	14.88	1.89
	8	7.56	1.04	9.04	1.16	10.48	1.28	11.20	1.40	11.92	1.53	13.36	1.73	14.88	1.95
	10	7.56	1.06	9.04	1.18	10.48	1.30	11.20	1.39	11.92	1.58	13.36	1.77	14.88	1.98
	12	7.56	1.07	9.04	1.19	10.48	1.32	11.20	1.40	11.92	1.61	13.36	1.81	14.88	2.01
	14	7.56	1.08	9.04	1.21	10.48	1.39	11.20	1.41	11.92	1.63	13.36	1.84	14.88	2.05
	16	7.56	1.10	9.04	1.22	10.48	1.41	11.20	1.41	11.92	1.66	13.36	1.87	14.88	2.08
	18	7.56	1.11	9.04	1.25	10.48	1.44	11.20	1.42	11.92	1.69	13.36	1.90	14.88	2.12
	20	7.56	1.13	9.04	1.26	10.48	1.46	11.20	1.44	11.92	1.72	13.36	1.93	14.88	2.16
	21	7.56	1.14	9.04	1.28	10.48	1.48	11.20	1.56	11.92	1.74	13.36	1.96	14.88	2.18
	23	7.56	1.15	9.04	1.30	10.48	1.50	11.20	1.66	11.92	1.77	13.36	1.99	14.88	2.23
	25	7.56	1.17	9.04	1.32	10.48	1.53	11.20	1.77	11.92	1.82	13.36	2.09	14.88	2.38
	27	7.56	1.19	9.04	1.37	10.48	1.62	11.20	1.94	11.92	1.93	13.36	2.22	14.88	2.54
	29	7.56	1.25	9.04	1.45	10.48	1.72	11.20	1.96	11.92	2.06	13.36	2.37	14.88	2.71
	31	7.56	1.33	9.04	1.54	10.48	1.82	11.20	2.09	11.92	2.18	13.36	2.52	14.88	2.88
	33	7.56	1.40	9.04	1.63	10.48	1.94	11.20	2.21	11.92	2.32	13.36	2.67	14.88	3.06
	35	7.56	1.48	9.04	1.73	10.48	2.05	11.20	2.27	11.92	2.45	13.36	2.84	14.88	3.25
	37	7.56	1.56	9.04	1.83	10.48	2.18	11.20	2.29	11.92	2.60	13.36	3.01	14.88	3.45
	39	7.56	1.65	9.04	1.93	10.48	2.31	11.20	2.30	11.92	2.76	13.36	3.19	14.88	3.67
	41	7.56	1.72	9.04	2.02	10.48	2.39	11.20	2.34	11.92	2.88	13.36	3.37	14.88	3.84
	43	7.56	1.83	9.04	2.16	10.48	2.48	11.20	2.41	11.92	2.95	13.36	3.54	14.88	4.01
	45	7.56	1.87	9.04	2.22	10.48	2.65	11.20	2.48	11.92	3.08	13.36	3.88	14.88	4.35
	48	7.56	1.24	9.04	1.46	10.48	1.80	11.20	2.50	11.92	2.09	13.36	2.72	14.88	3.04

Cooling capacity tables

8HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
40%	-5	6.13	0.75	7.28	0.88	8.58	1.01	8.96	1.05	10.11	1.11	11.20	1.27	12.53	1.36
	-2	6.13	0.76	7.28	0.89	8.58	1.02	8.96	1.07	10.11	1.13	11.20	1.27	12.53	1.39
	0	6.13	0.77	7.28	0.91	8.58	1.03	8.96	1.08	10.11	1.15	11.20	1.30	12.53	1.43
	2	6.13	0.79	7.28	0.92	8.58	1.05	8.96	1.10	10.11	1.18	11.20	1.32	12.53	1.47
	4	6.13	0.80	7.28	0.94	8.58	1.07	8.96	1.13	10.11	1.19	11.20	1.34	12.53	1.52
	6	6.13	0.82	7.28	0.95	8.58	1.08	8.96	1.15	10.11	1.23	11.20	1.38	12.53	1.54
	8	6.13	0.83	7.28	0.96	8.58	1.10	8.96	1.17	10.11	1.25	11.20	1.40	12.53	1.56
	10	6.13	0.84	7.28	0.97	8.58	1.11	8.96	1.19	10.11	1.27	11.20	1.43	12.53	1.59
	12	6.13	0.85	7.28	0.99	8.58	1.13	8.96	1.21	10.11	1.29	11.20	1.45	12.53	1.62
	14	6.13	0.86	7.28	1.00	8.58	1.15	8.96	1.23	10.11	1.31	11.20	1.47	12.53	1.65
	16	6.13	0.88	7.28	1.02	8.58	1.17	8.96	1.25	10.11	1.34	11.20	1.48	12.53	1.68
	18	6.13	0.88	7.28	1.03	8.58	1.18	8.96	1.30	10.11	1.35	11.20	1.48	12.53	1.70
	20	6.13	0.89	7.28	1.04	8.58	1.20	8.96	1.33	10.11	1.37	11.20	1.50	12.53	1.73
	21	6.13	0.91	7.28	1.06	8.58	1.23	8.96	1.41	10.11	1.42	11.20	1.52	12.53	1.85
	23	6.13	0.93	7.28	1.09	8.58	1.26	8.96	1.47	10.11	1.50	11.20	1.55	12.53	1.97
	25	6.13	0.94	7.28	1.11	8.58	1.27	8.96	1.59	10.11	1.60	11.20	1.58	12.53	2.10
	27	6.13	0.94	7.28	1.12	8.58	1.28	8.96	1.63	10.11	1.70	11.20	1.63	12.53	2.24
	29	6.13	0.98	7.28	1.16	8.58	1.30	8.96	1.67	10.11	1.80	11.20	3.50	12.53	2.38
	31	6.13	1.01	7.28	1.17	8.58	1.29	8.96	1.55	10.11	1.91	11.20	1.81	12.53	2.52
	33	6.13	1.04	7.28	1.19	8.58	1.34	8.96	1.76	10.11	2.02	11.20	2.00	12.53	2.68
	35	6.13	1.09	7.28	1.22	8.58	1.38	8.96	1.76	10.11	2.14	11.20	2.14	12.53	2.82
	37	6.13	1.14	7.28	1.29	8.58	1.43	8.96	1.80	10.11	2.16	11.20	2.23	12.53	2.83
	39	6.13	1.17	7.28	1.43	8.58	1.55	8.96	1.84	10.11	2.41	11.20	2.33	12.53	2.87
	41	6.13	1.19	7.28	1.71	8.58	1.62	8.96	1.86	10.11	2.39	11.20	2.47	12.53	3.00
	43	6.13	1.22	7.28	1.79	8.58	1.80	8.96	1.90	10.11	2.45	11.20	2.48	12.53	3.06
	45	6.13	1.23	7.28	2.21	8.58	2.04	8.96	1.87	10.11	2.41	11.20	2.70	12.53	3.35
	48	6.13	1.21	7.28	1.33	8.58	1.39	8.96	1.86	10.11	1.68	11.20	2.18	12.53	2.91
30%	-5	4.71	0.56	5.61	0.62	6.27	0.69	6.72	0.75	7.30	0.84	7.54	0.95	8.07	1.04
	-2	4.71	0.57	5.61	0.63	6.27	0.70	6.72	0.76	7.30	0.85	7.54	0.96	8.07	1.07
	0	4.71	0.58	5.61	0.64	6.27	0.71	6.72	0.78	7.30	0.86	7.54	0.98	8.07	1.10
	2	4.71	0.60	5.61	0.65	6.27	0.72	6.72	0.79	7.30	0.89	7.54	1.00	8.07	1.12
	4	4.71	0.60	5.61	0.66	6.27	0.74	6.72	0.81	7.30	0.91	7.54	1.02	8.07	1.13
	6	4.71	0.61	5.61	0.67	6.27	0.75	6.72	0.83	7.30	0.92	7.54	1.04	8.07	1.16
	8	4.71	0.62	5.61	0.68	6.27	0.76	6.72	0.84	7.30	0.93	7.54	1.05	8.07	1.17
	10	4.71	0.63	5.61	0.69	6.27	0.77	6.72	0.86	7.30	0.95	7.54	1.07	8.07	1.20
	12	4.71	0.64	5.61	0.70	6.27	0.79	6.72	0.88	7.30	0.97	7.54	1.09	8.07	1.22
	14	4.71	0.64	5.61	0.71	6.27	0.79	6.72	0.90	7.30	0.98	7.54	1.10	8.07	1.23
	16	4.71	0.65	5.61	0.72	6.27	0.81	6.72	0.91	7.30	1.00	7.54	1.12	8.07	1.26
	18	4.71	0.66	5.61	0.73	6.27	0.83	6.72	0.92	7.30	1.03	7.54	1.18	8.07	1.34
	20	4.71	0.67	5.61	0.76	6.27	0.87	6.72	0.96	7.30	1.09	7.54	1.25	8.07	1.43
	21	4.71	0.71	5.61	0.81	6.27	0.93	6.72	1.01	7.30	1.16	7.54	1.33	8.07	1.50
	23	4.71	0.75	5.61	0.73	6.27	0.99	6.72	1.05	7.30	1.23	7.54	1.42	8.07	1.58
	25	4.71	0.79	5.61	0.86	6.27	1.06	6.72	1.11	7.30	1.31	7.54	1.51	8.07	1.66
	27	4.71	0.84	5.61	0.96	6.27	1.12	6.72	1.16	7.30	1.38	7.54	1.54	8.07	1.69
	29	4.71	0.88	5.61	1.02	6.27	1.19	6.72	1.22	7.30	1.47	7.54	1.58	8.07	1.75
	31	4.71	0.93	5.61	1.08	6.27	1.26	6.72	1.26	7.30	1.56	7.54	1.65	8.07	1.79
	33	4.71	0.97	5.61	1.13	6.27	1.31	6.72	1.28	7.30	1.62	7.54	1.69	8.07	1.80
	35	4.71	1.03	5.61	1.21	6.27	1.36	6.72	1.28	7.30	1.67	7.54	1.75	8.07	1.84
	37	4.71	1.06	5.61	1.24	6.27	1.45	6.72	1.35	7.30	1.74	7.54	1.78	8.07	1.92
	39	4.71	1.09	5.61	1.28	6.27	1.55	6.72	1.39	7.30	1.79	7.54	1.82	8.07	1.97
	41	4.71	1.17	5.61	1.41	6.27	1.64	6.72	1.43	7.30	1.80	7.54	1.88	8.07	2.05
	43	4.71	1.28	5.61	1.55	6.27	1.73	6.72	1.48	7.30	1.87	7.54	1.94	8.07	2.08
	45	4.71	1.45	5.61	1.59	6.27	1.73	6.72	1.51	7.30	1.92	7.54	2.00	8.07	2.13
	48	4.71	1.26	5.61	1.19	6.27	1.25	6.72	1.54	7.30	1.38	7.54	1.39	8.07	1.56
20%	-5	3.26	0.36	3.87	0.39	4.59	0.44	4.48	0.50	5.67	0.53	5.98	0.60	6.84	0.68
	-2	3.26	0.37	3.87	0.40	4.59	0.45	4.48	0.51	5.67	0.54	5.98	0.61	6.84	0.69
	0	3.26	0.37	3.87	0.40	4.59	0.46	4.48	0.52	5.67	0.55	5.98	0.62	6.84	0.70
	2	3.26	0.38	3.87	0.41	4.59	0.46	4.48	0.53	5.67	0.56	5.98	0.64	6.84	0.71
	4	3.26	0.38	3.87	0.41	4.59	0.47	4.48	0.54	5.67	0.57	5.98	0.65	6.84	0.73
	6	3.26	0.39	3.87	0.42	4.59	0.48	4.48	0.55	5.67	0.58	5.98	0.66	6.84	0.74
	8	3.26	0.39	3.87	0.43	4.59	0.49	4.48	0.56	5.67	0.59	5.98	0.67	6.84	0.75
	10	3.26	0.40	3.87	0.43	4.59	0.50	4.48	0.57	5.67	0.60	5.98	0.68	6.84	0.76
	12	3.26	0.40	3.87	0.44	4.59	0.50	4.48	0.58	5.67	0.61	5.98	0.69	6.84	0.78
	14	3.26	0.41	3.87	0.45	4.59	0.52	4.48	0.59	5.67	0.63	5.98	0.73	6.84	0.83
	16	3.26	0.42	3.87	0.47	4.59	0.55	4.48	0.60	5.67	0.67	5.98	0.78	6.84	0.89
	18	3.26	0.44	3.87	0.50	4.59	0.59	4.48	0.62	5.67	0.72	5.98	0.83	6.84	0.95
	20	3.26	0.47	3.87	0.45	4.59	0.62	4.48	0.65	5.67	0.76	5.98	0.88	6.84	0.96
	21	3.26	0.49	3.87	0.53	4.59	0.67	4.48	0.66	5.67	0.81	5.98	0.92	6.84	1.01
	23	3.26	0.52	3.87	0.60	4.59	0.71	4.48	0.69	5.67	0.86	5.98	0.95	6.84	1.04
	25	3.26	0.55	3.87	0.63	4.59	0.75	4.48	0.72	5.67	0.91	5.98	0.96	6.84	1.09
	27	3.26	0.58	3.87	0.67	4.59	0.80	4.48	0.74	5.67	0.97	5.98	0.99	6.84	1.12
	29	3.26	0.61	3.87	0.70	4.59	0.83	4.48	0.78	5.67	1.02	5.98	1.04	6.84	1.13
	31	3.26	0.65	3.87	0.75	4.59	0.86	4.48	0.80	5.67	1.04	5.98	1.06	6.84	1.18
	33	3.26	0.67	3.87	0.77	4.59	0.92	4.48	0.83	5.67	1.09	5.98	1.11	6.84	1.21
	35	3.26	0.69	3.87	0.80	4.59	0.99	4.48	0.83	5.67	1.15	5.98	1.14	6.84	1.23
	37	3.26	0.74	3.87	0.88	4.59	1.04	4.48	0.87	5.67	1.18	5.98	1.15	6.84	1.28
	39	3.26	0.81	3.87	0.98	4.59	1.10	4.48	0.89	5.67	1.28	5.98	1.21	6.84	1.31
	41	3.26	0.92	3.87	1.00	4.59	1.10	4.48	0.93	5.67	1.29	5.98	1.23	6.84	1.36
	43	3.26	0.97	3.87	1.03	4.59	1.13	4.48	0.95	5.67	1.32	5.98	1.26	6.84	1.39
	45	3.26	0.99	3.87	1.06	4.59	1.16	4.48	0.98	5.67	1.37	5.98	1.31	6.84	1.45
	48	3.26	0.84	3.87	0.85	4.59	0.93	4.48	0.99	5.67	0.88	5.98	0.81	6.84	1.01

Cooling capacity tables

8HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
10%	-5	1.68	0.19	2.02	0.22	3.18	0.25	2.24	0.22	2.92	0.28	3.12	0.32	3.55	0.34
	-2	1.68	0.19	2.02	0.22	3.18	0.25	2.24	0.22	2.92	0.29	3.12	0.32	3.55	0.36
	0	1.68	0.19	2.02	0.22	3.18	0.26	2.24	0.22	2.92	0.29	3.12	0.33	3.55	0.36
	2	1.68	0.19	2.02	0.23	3.18	0.26	2.24	0.22	2.92	0.30	3.12	0.33	3.55	0.37
	4	1.68	0.20	2.02	0.23	3.18	0.26	2.24	0.22	2.92	0.30	3.12	0.34	3.55	0.38
	6	1.68	0.20	2.02	0.23	3.18	0.27	2.24	0.23	2.92	0.30	3.12	0.34	3.55	0.38
	8	1.68	0.20	2.02	0.23	3.18	0.27	2.24	0.23	2.92	0.31	3.12	0.35	3.55	0.39
	10	1.68	0.20	2.02	0.24	3.18	0.28	2.24	0.23	2.92	0.32	3.12	0.37	3.55	0.42
	12	1.68	0.21	2.02	0.25	3.18	0.29	2.24	0.23	2.92	0.32	3.12	0.39	3.55	0.44
	14	1.68	0.22	2.02	0.26	3.18	0.31	2.24	0.23	2.92	0.33	3.12	0.41	3.55	0.47
	16	1.68	0.23	2.02	0.24	3.18	0.33	2.24	0.23	2.92	0.35	3.12	0.44	3.55	0.49
	18	1.68	0.25	2.02	0.28	3.18	0.35	2.24	0.23	2.92	0.36	3.12	0.46	3.55	0.51
	20	1.68	0.26	2.02	0.31	3.18	0.37	2.24	0.24	2.92	0.38	3.12	0.48	3.55	0.52
	21	1.68	0.27	2.02	0.33	3.18	0.39	2.24	0.26	2.92	0.40	3.12	0.50	3.55	0.54
	23	1.68	0.29	2.02	0.35	3.18	0.41	2.24	0.27	2.92	0.45	3.12	0.52	3.55	0.56
	25	1.68	0.30	2.02	0.36	3.18	0.43	2.24	0.29	2.92	0.48	3.12	0.55	3.55	0.58
	27	1.68	0.32	2.02	0.39	3.18	0.44	2.24	0.32	2.92	0.51	3.12	0.56	3.55	0.60
	29	1.68	0.33	2.02	0.40	3.18	0.47	2.24	0.34	2.92	0.52	3.12	0.58	3.55	0.61
	31	1.68	0.34	2.02	0.41	3.18	0.48	2.24	0.35	2.92	0.53	3.12	0.60	3.55	0.64
	33	1.68	0.36	2.02	0.45	3.18	0.50	2.24	0.37	2.92	0.54	3.12	0.61	3.55	0.65
	35	1.68	0.40	2.02	0.49	3.18	0.52	2.24	0.40	2.92	0.56	3.12	0.63	3.55	0.68
	37	1.68	0.45	2.02	0.50	3.18	0.54	2.24	0.40	2.92	0.57	3.12	0.65	3.55	0.69
	39	1.68	0.47	2.02	0.52	3.18	0.56	2.24	0.41	2.92	0.60	3.12	0.67	3.55	0.71
	41	1.68	0.48	2.02	0.54	3.18	0.57	2.24	0.42	2.92	0.61	3.12	0.69	3.55	0.72
	43	1.68	0.50	2.02	0.55	3.18	0.59	2.24	0.42	2.92	0.63	3.12	0.70	3.55	0.76
	45	1.68	0.52	2.02	0.56	3.18	0.60	2.24	0.43	2.92	0.64	3.12	0.72	3.55	0.60
	48	1.68	0.39	2.02	0.41	3.18	0.45	2.24	0.44	2.92	0.45	3.12	0.49	3.55	0.41

Cooling capacity tables

10HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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%	-5	24.89	3.02	30.26	3.38	34.13	3.65	35.12	3.96	37.55	4.23	38.59	4.59	38.88	4.62
	-2	24.89	3.02	30.26	3.45	34.13	3.65	35.12	3.98	37.55	4.23	38.59	4.65	38.88	4.67
	0	24.89	3.07	30.26	3.52	34.13	3.79	35.12	4.21	37.55	4.47	38.59	4.71	38.88	4.73
	2	24.89	3.12	30.26	3.53	34.13	3.93	35.12	4.45	37.55	4.52	38.59	4.74	38.88	4.80
	4	24.89	3.19	30.26	3.60	34.13	4.08	35.12	4.47	37.55	4.58	38.59	4.74	38.88	4.89
	6	24.89	3.26	30.26	3.68	34.13	4.24	35.12	4.51	36.91	4.72	37.47	4.74	38.46	4.93
	8	24.89	3.33	30.26	3.77	34.13	4.47	35.12	4.74	36.54	4.88	37.06	4.76	37.97	4.98
	10	24.89	3.40	30.26	3.86	34.13	4.64	35.12	4.90	36.19	4.91	36.63	4.91	37.53	5.12
	12	24.89	3.46	30.26	3.94	34.13	4.74	35.04	4.96	35.33	5.04	36.13	5.00	37.03	5.15
	14	24.89	3.53	30.26	4.02	33.93	4.76	34.75	4.99	34.83	5.09	35.73	5.09	36.63	5.27
	16	24.89	3.59	30.26	4.11	33.53	4.90	34.14	5.09	34.33	5.19	35.23	5.20	36.13	5.35
	18	24.89	3.66	30.26	4.20	33.03	4.97	33.59	5.15	33.93	5.33	34.83	5.38	35.73	5.43
	20	24.89	3.74	30.26	4.48	32.53	5.23	33.03	5.41	33.43	5.59	34.33	5.64	35.23	5.70
	21	24.89	3.84	30.26	4.65	32.33	5.36	32.83	5.54	33.23	5.72	34.13	5.78	35.03	5.83
	23	24.89	4.12	30.26	5.01	31.93	5.62	32.33	5.80	32.73	5.98	33.63	6.04	34.53	6.10
	25	24.89	4.40	30.26	5.39	31.43	5.88	31.83	6.06	32.33	6.25	33.23	6.31	34.13	6.37
	27	24.89	4.70	30.26	5.79	31.03	6.14	31.43	6.45	31.83	6.51	32.73	6.58	33.63	6.65
	29	24.89	5.02	30.26	6.21	30.52	6.40	30.92	6.80	31.43	6.78	32.33	6.85	33.23	6.92
	31	24.89	5.35	29.22	6.58	30.02	6.66	30.52	7.13	30.92	7.03	31.83	7.11	32.73	7.19
	33	24.89	5.70	28.72	6.84	29.62	6.92	30.02	7.52	30.52	7.30	31.43	7.38	32.22	7.46
	35	24.89	6.08	28.22	7.10	29.12	7.19	29.62	7.53	30.02	7.57	30.92	7.66	31.83	7.74
	37	24.89	6.47	27.82	7.37	28.72	7.46	29.12	7.65	29.62	7.85	30.42	7.94	31.32	8.03
	39	24.89	6.89	27.32	7.45	28.22	7.72	28.72	7.92	29.12	8.12	30.02	8.21	30.92	8.31
	41	24.89	7.25	27.04	7.53	27.93	7.79	28.43	7.99	28.83	8.19	29.73	8.23	29.74	8.38
	43	24.89	7.43	26.84	7.56	27.78	7.82	28.28	8.03	28.53	8.21	29.19	8.24	29.39	8.40
	45	24.89	7.80	26.67	7.64	27.48	7.89	27.98	8.08	28.12	8.24	28.39	8.27	28.81	8.56
	48	24.62	8.08	27.63	7.89	29.96	7.97	30.52	8.16	30.76	8.34	30.63	8.41	31.19	8.44

Cooling capacity tables

10HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
120%	-5	23.26	2.89	27.00	3.12	31.40	3.62	32.71	4.06	35.20	4.33	36.00	4.70	36.80	4.83
	-2	23.26	2.91	27.00	3.16	31.40	3.66	32.71	4.09	35.20	4.38	36.00	4.74	36.80	4.85
	0	23.26	2.94	27.00	3.19	31.40	3.70	32.71	4.10	35.20	4.43	36.00	4.77	36.80	4.86
	2	23.26	2.95	27.00	3.22	31.40	3.73	32.71	4.14	35.20	4.44	36.00	4.81	36.80	4.87
	4	23.26	2.98	27.00	3.27	31.40	3.79	32.71	4.19	35.20	4.51	36.00	4.82	36.80	4.88
	6	23.26	3.01	27.00	3.30	31.40	3.84	32.71	4.24	35.20	4.56	36.00	4.86	36.80	4.90
	8	23.26	3.04	27.00	3.33	31.40	3.90	32.71	4.30	35.20	4.61	36.00	4.87	36.80	4.92
	10	23.26	3.07	27.00	3.38	31.40	3.94	32.71	4.38	35.20	4.62	36.00	4.89	36.80	4.94
	12	23.26	3.13	27.00	3.45	31.40	4.03	32.71	4.47	34.70	4.64	35.50	4.86	36.30	4.98
	14	23.26	3.19	27.00	3.53	31.40	4.12	32.71	4.57	34.20	4.67	35.10	4.94	35.90	5.04
	16	23.26	3.25	27.00	3.61	31.40	4.21	32.36	4.64	33.80	4.74	34.60	5.02	35.40	5.12
	18	23.26	3.31	27.00	3.69	31.40	4.37	32.25	4.78	33.30	4.87	34.10	5.14	35.00	5.19
	20	23.26	3.38	27.00	3.85	31.40	4.74	32.20	5.03	32.90	5.13	33.70	5.40	34.50	5.45
	21	23.26	3.41	27.00	3.99	31.40	4.93	32.20	5.34	32.60	5.25	33.50	5.53	34.30	5.58
	23	23.26	3.64	27.00	4.31	31.40	5.31	31.80	5.77	32.20	5.51	33.00	5.79	33.80	5.84
	25	23.26	3.89	27.00	4.63	30.90	5.57	31.30	6.02	31.70	5.77	32.60	6.05	33.40	6.11
	27	23.26	4.16	27.00	4.98	30.50	5.82	30.90	6.41	31.30	6.03	32.10	6.31	32.90	6.37
	29	23.26	4.43	27.00	5.34	30.00	6.07	30.40	6.68	30.80	6.29	31.60	6.58	32.50	6.64
	31	23.26	4.73	27.00	5.73	29.50	6.34	30.00	7.01	30.40	6.55	31.20	6.85	32.00	6.92
	33	23.26	5.03	27.00	6.13	29.10	6.59	29.50	7.31	29.90	6.81	30.70	7.11	31.50	7.18
	35	23.26	5.36	27.00	6.57	28.60	6.85	29.00	7.41	29.50	7.08	30.30	7.38	31.10	7.46
	37	23.26	5.70	27.00	7.02	28.20	7.12	28.60	7.45	29.00	7.34	29.80	7.64	30.60	7.73
	39	23.26	6.07	26.90	7.43	27.70	7.37	28.10	7.50	28.50	7.61	29.40	7.92	30.20	8.00
	41	23.26	6.23	26.68	7.49	27.48	7.43	27.88	7.55	28.28	7.66	29.18	7.94	29.33	8.06
	43	23.26	6.33	26.54	7.54	27.27	7.48	27.67	7.58	28.07	7.69	28.67	7.96	28.88	8.22
	45	23.26	6.40	26.39	7.62	27.00	7.55	27.38	7.66	27.82	7.76	28.09	7.99	28.59	8.41
	48	26.30	6.45	30.32	7.70	30.88	7.62	31.21	7.72	31.88	7.82	32.05	8.02	32.68	8.51
110%	-5	21.46	2.51	24.80	2.83	30.01	3.36	30.80	3.78	32.80	4.16	35.30	4.33	36.10	4.61
	-2	21.46	2.56	24.80	2.87	30.01	3.40	30.80	3.83	32.80	4.20	35.30	4.37	36.10	4.64
	0	21.46	2.59	24.80	2.89	30.01	3.42	30.80	3.85	32.80	4.24	35.30	4.42	36.10	4.69
	2	21.46	2.64	24.80	2.92	30.01	3.48	30.80	3.89	32.80	4.29	35.30	4.48	36.10	4.75
	4	21.46	2.69	24.80	2.96	30.01	3.52	30.80	3.95	32.80	4.36	35.30	4.55	36.10	4.80
	6	21.46	2.72	24.80	3.00	30.01	3.56	30.80	4.01	32.80	4.41	35.30	4.60	36.10	4.87
	8	21.46	2.75	24.80	3.05	30.01	3.60	30.80	4.06	32.80	4.46	35.30	4.63	36.10	4.92
	10	21.46	2.78	24.80	3.09	30.01	3.66	30.80	4.13	32.80	4.54	35.30	4.66	36.10	4.96
	12	21.46	2.84	24.80	3.16	30.01	3.74	30.80	4.22	32.80	4.63	34.90	4.73	35.60	5.03
	14	21.46	2.89	24.80	3.22	30.01	3.82	30.80	4.30	32.80	4.71	34.40	4.77	35.20	5.06
	16	21.46	2.94	24.80	3.29	30.01	3.89	30.80	4.38	32.80	4.81	34.00	4.83	34.70	5.12
	18	21.46	2.99	24.80	3.36	30.01	3.98	30.80	4.51	32.80	5.05	33.50	5.09	34.30	5.28
	20	21.46	3.05	24.80	3.44	30.01	4.24	30.80	4.87	32.30	5.30	33.10	5.34	33.80	5.54
	21	21.46	3.08	24.80	3.55	30.01	4.41	30.80	5.25	32.10	5.43	32.80	5.47	33.60	5.67
	23	21.46	3.23	24.80	3.82	30.01	4.75	30.80	5.59	31.60	5.68	32.40	5.73	33.10	5.93
	25	21.46	3.45	24.80	4.11	30.01	5.10	30.80	5.96	31.20	5.93	31.90	5.99	32.70	6.19
	27	21.46	3.67	24.80	4.41	30.01	5.49	30.30	6.25	30.70	6.19	31.50	6.25	32.20	6.45
	29	21.46	3.92	24.80	4.72	30.01	5.89	29.90	6.61	30.30	6.45	31.00	6.51	31.80	6.72
	31	21.46	4.17	24.80	5.06	30.01	6.31	29.40	6.98	29.80	6.71	30.60	6.77	31.30	6.98
	33	21.46	4.44	24.80	5.41	30.01	6.67	29.00	7.25	29.40	6.96	30.10	7.03	30.90	7.25
	35	21.46	4.72	24.80	5.78	28.10	6.93	28.50	7.33	28.90	7.23	29.60	7.30	30.40	7.51
	37	21.46	5.03	24.80	6.18	27.70	7.19	28.10	7.37	28.40	7.48	29.20	7.56	29.90	7.78
	39	21.46	5.34	24.80	6.60	27.20	7.45	27.60	7.64	28.00	7.75	28.70	7.83	29.50	8.05
	41	21.46	5.40	24.80	6.65	26.99	7.50	27.39	7.69	27.79	7.80	28.34	7.88	28.61	8.11
	43	21.46	5.45	24.80	6.74	26.77	7.56	27.17	7.75	27.57	7.86	28.08	7.91	28.17	8.27
	45	21.46	5.63	24.80	6.78	26.50	7.63	26.89	7.84	27.33	7.93	27.80	8.13	27.91	8.46
	48	22.39	5.79	26.70	7.33	28.11	7.63	28.48	7.84	29.08	7.96	29.43	8.11	29.66	8.50
100%	-5	19.64	2.58	23.06	2.81	27.61	3.10	28.00	3.63	29.80	3.55	33.50	3.93	35.40	4.33
	-2	19.64	2.61	23.06	2.84	27.61	3.16	28.00	3.66	29.80	3.60	33.50	3.98	35.40	4.36
	0	19.64	2.64	23.06	2.88	27.61	3.21	28.00	3.72	29.80	3.64	33.50	4.05	35.40	4.41
	2	19.64	2.68	23.06	2.92	27.61	3.28	28.00	3.75	29.80	3.68	33.50	4.12	35.40	4.49
	4	19.64	2.71	23.06	2.97	27.61	3.33	28.00	3.81	29.80	3.73	33.50	4.16	35.40	4.54
	6	19.64	2.76	23.06	3.01	27.61	3.38	28.00	3.89	29.80	3.79	33.50	4.23	35.40	4.61
	8	19.64	2.81	23.06	3.07	27.61	3.45	28.00	3.96	29.80	3.85	33.50	4.30	35.40	4.69
	10	19.64	2.86	23.06	3.13	27.61	3.50	28.00	4.02	29.80	3.93	33.50	4.38	35.40	4.76
	12	19.64	2.92	23.06	3.20	27.61	3.63	28.00	4.10	29.80	4.01	33.50	4.46	34.90	4.79
	14	19.64	2.98	23.06	3.27	27.61	3.80	28.00	4.36	29.80	4.08	33.50	4.56	34.50	4.85
	16	19.64	3.04	23.06	3.34	27.61	3.90	28.00	4.47	29.80	4.17	33.30	4.62	34.00	4.91
	18	19.64	3.10	23.06	3.41	27.61	4.04	28.00	4.65	29.80	4.26	32.90	4.78	33.60	5.04
	20	19.64	3.17	23.06	3.53	27.61	4.38	28.00	4.96	29.80	4.58	32.40	5.03	33.10	5.29
	21	19.64	3.19	23.06	3.67	27.61	4.70	28.00	5.27	29.80	4.74	32.20	5.15	32.90	5.42
	23	19.64	3.42	23.06	3.96	27.61	5.05	28.00	5.63	29.80	5.10	31.80	5.40	32.40	5.67
	25	19.64	3.66	23.06	4.27	27.61	5.45	28.00	5.91	29.80	5.48	31.30	5.66	32.00	5.92
	27	19.64	3.91	23.06	4.59	27.61	5.77	28.00	6.27	29.80	5.88	30.80	5.91	31.50	6.18
	29	19.64	4.18	23.06	4.93	27.61	6.20	28.00	6.45	29.70	6.26	30.40	6.17	31.10	6.43
	31	19.64	4.47	23.06	5.29	27.61	6.63	28.00	6.57	29.30	6.51	29.90	6.42	30.60	6.70
	33	19.64	4.78	23.06	5.67	27.61	6.95	28.00	6.76	28.80	6.76	29.50	6.68	30.20	6.96
	35	19.64	5.09	23.06	6.08	27.61	7.09	28.00	7.20	28.30	7.01	29.00	6.94	29.70	7.21
	37	19.64	5.43	23.06	6.51	27.61	7.14	27.50	7.24	28.00	7.27	28.60	7.20	29.20	7.47
	39	19.64	5.78	23.06	6.95	27.61	7.27	27.12	7.27	28.00	7.53	28.10	7.45	28.80	7.75
	41	19.64	5.99	23.06	7.22	27.61	7.38	26.94	7.38	28.00	7.65	27.61	7.63	28.38	7.91
	43	19.64	6.21	23.06	7.36	27.61	7.43	26.84	7.43	28.00	7.72	27.78	7.69	27.88	8.00
	45	19.64	6.50	23.06	7.50	27.61	7.50	26.67	7.50	28.00	7.87	27.54	7.81	27.32	8.11
	48	19.23	6.68	22.89	7.46	26.66	7.55	26.40	7.55	28.00	7.95	26.31	7.84	27.19	8.13

Cooling capacity tables

10HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
90%	-5	17.00	1.98	20.30	2.25	23.60	2.62	25.20	2.93	26.80	3.25	30.10	3.74	33.40	4.28
	-2	17.00	2.00	20.30	2.28	23.60	2.65	25.20	2.98	26.80	3.29	30.10	3.77	33.40	4.32
	0	17.00	2.03	20.30	2.31	23.60	2.70	25.20	3.01	26.80	3.33	30.10	3.82	33.40	4.35
	2	17.00	2.06	20.30	2.34	23.60	2.73	25.20	3.06	26.80	3.38	30.10	3.89	33.40	4.42
	4	17.00	2.09	20.30	2.37	23.60	2.77	25.20	3.10	26.80	3.43	30.10	3.96	33.40	4.48
	6	17.00	2.12	20.30	2.42	23.60	2.83	25.20	3.16	26.80	3.49	30.10	4.02	33.40	4.56
	8	17.00	2.16	20.30	2.47	23.60	2.89	25.20	3.21	26.80	3.55	30.10	4.09	33.40	4.60
	10	17.00	2.20	20.30	2.53	23.60	2.95	25.20	3.26	26.80	3.63	30.10	4.14	33.40	4.67
	12	17.00	2.24	20.30	2.58	23.60	3.00	25.20	3.31	26.80	3.70	30.10	4.22	33.40	4.76
	14	17.00	2.27	20.30	2.62	23.60	3.06	25.20	3.38	26.80	3.76	30.10	4.30	33.40	4.85
	16	17.00	2.31	20.30	2.67	23.60	3.13	25.20	3.45	26.80	3.84	30.10	4.39	33.40	4.93
	18	17.00	2.35	20.30	2.73	23.60	3.19	25.20	3.52	26.80	3.92	30.10	4.47	33.40	5.09
	20	17.00	2.40	20.30	2.79	23.60	3.25	25.20	3.59	26.80	4.06	30.10	4.81	33.40	5.33
	21	17.00	2.42	20.30	2.82	23.60	3.31	25.20	3.87	26.80	4.20	30.10	4.98	33.40	5.45
	23	17.00	2.47	20.30	2.93	23.60	3.56	25.20	4.20	26.80	4.51	30.10	5.35	33.40	5.70
	25	17.00	2.60	20.30	3.14	23.60	3.82	25.20	4.39	26.80	4.82	30.10	5.72	33.40	5.95
	27	17.00	2.76	20.30	3.35	23.60	4.09	25.20	4.74	26.80	5.15	30.10	6.12	33.40	6.20
	29	17.00	2.95	20.30	3.58	23.60	4.38	25.20	5.00	26.80	5.51	30.10	6.40	33.40	6.45
	31	17.00	3.13	20.30	3.82	23.60	4.67	25.20	5.41	26.80	5.87	30.10	6.65	33.40	6.71
	33	17.00	3.32	20.30	4.07	23.60	5.00	25.20	5.82	26.80	6.27	30.10	6.91	33.40	6.96
	35	17.00	3.53	20.30	4.34	23.60	5.34	25.20	6.09	26.80	6.68	30.10	7.16	33.40	7.22
	37	17.00	3.74	20.30	4.62	23.60	5.69	25.20	6.36	26.80	7.12	30.10	7.41	33.40	7.47
	39	17.00	3.97	20.30	4.93	23.60	6.07	25.20	6.46	26.80	7.58	30.10	7.67	33.40	7.73
	41	17.00	4.11	20.30	5.16	23.60	6.29	25.20	6.58	26.80	7.63	30.10	7.86	33.40	7.91
	43	17.00	4.31	20.30	5.38	23.60	6.52	25.20	6.71	26.80	7.79	30.10	7.97	33.40	8.03
	45	17.00	4.58	20.30	5.66	23.60	6.80	25.20	6.82	26.80	8.01	30.10	8.05	33.40	8.14
	48	17.00	4.13	20.30	5.04	23.60	6.01	25.20	6.89	26.80	6.90	30.10	6.97	33.40	7.05
80%	-5	15.10	1.74	18.00	2.06	20.90	2.34	22.40	2.06	23.90	2.79	26.80	3.23	29.70	3.69
	-2	15.10	1.77	18.00	2.09	20.90	2.36	22.40	2.06	23.90	2.82	26.80	3.26	29.70	3.72
	0	15.10	1.80	18.00	2.11	20.90	2.39	22.40	2.11	23.90	2.87	26.80	3.31	29.70	3.77
	2	15.10	1.84	18.00	2.14	20.90	2.43	22.40	2.20	23.90	2.92	26.80	3.37	29.70	3.85
	4	15.10	1.87	18.00	2.18	20.90	2.47	22.40	2.21	23.90	2.97	26.80	3.44	29.70	3.90
	6	15.10	1.90	18.00	2.23	20.90	2.51	22.40	2.27	23.90	3.03	26.80	3.49	29.70	3.96
	8	15.10	1.93	18.00	2.28	20.90	2.57	22.40	2.35	23.90	3.10	26.80	3.54	29.70	4.04
	10	15.10	1.95	18.00	2.33	20.90	2.64	22.40	2.38	23.90	3.17	26.80	3.62	29.70	4.08
	12	15.10	1.98	18.00	2.37	20.90	2.69	22.40	2.44	23.90	3.24	26.80	3.69	29.70	4.16
	14	15.10	2.02	18.00	2.42	20.90	2.74	22.40	2.49	23.90	3.29	26.80	3.75	29.70	4.23
	16	15.10	2.05	18.00	2.46	20.90	2.80	22.40	2.55	23.90	3.35	26.80	3.83	29.70	4.31
	18	15.10	2.08	18.00	2.51	20.90	2.86	22.40	2.64	23.90	3.42	26.80	3.91	29.70	4.40
	20	15.10	2.12	18.00	2.55	20.90	2.91	22.40	2.87	23.90	3.49	26.80	4.05	29.70	4.71
	21	15.10	2.14	18.00	2.57	20.90	2.94	22.40	3.08	23.90	3.56	26.80	4.20	29.70	4.88
	23	15.10	2.18	18.00	2.63	20.90	3.09	22.40	3.34	23.90	3.81	26.80	4.49	29.70	5.23
	25	15.10	2.25	18.00	2.79	20.90	3.31	22.40	3.60	23.90	4.07	26.80	4.81	29.70	5.60
	27	15.10	2.39	18.00	2.98	20.90	3.53	22.40	3.94	23.90	4.35	26.80	5.14	29.70	5.99
	29	15.10	2.54	18.00	3.17	20.90	3.77	22.40	4.11	23.90	4.65	26.80	5.48	29.70	6.41
	31	15.10	2.70	18.00	3.37	20.90	4.02	22.40	4.39	23.90	4.96	26.80	5.86	29.70	6.65
	33	15.10	2.87	18.00	3.58	20.90	4.29	22.40	4.68	23.90	5.27	26.80	6.24	29.70	6.90
	35	15.10	3.04	18.00	3.81	20.90	4.56	22.40	5.13	23.90	5.62	26.80	6.65	29.70	7.15
	37	15.10	3.23	18.00	4.04	20.90	4.86	22.40	5.22	23.90	5.98	26.80	7.10	29.70	7.40
	39	15.10	3.42	18.00	4.31	20.90	5.18	22.40	5.28	23.90	6.37	26.80	7.56	29.70	7.66
	41	15.10	3.50	18.00	4.35	20.90	5.26	22.40	5.36	23.90	6.48	26.80	7.75	29.70	7.80
	43	15.10	3.60	18.00	4.39	20.90	5.33	22.40	5.42	23.90	6.57	26.80	7.84	29.70	7.88
	45	15.10	3.70	18.00	4.44	20.90	5.44	22.40	5.50	23.90	6.69	26.80	7.93	29.70	8.01
	48	15.10	3.22	18.00	3.77	20.90	4.64	22.40	5.62	23.90	5.68	26.80	6.74	29.70	6.84
70%	-5	13.20	1.54	15.80	1.81	18.30	1.96	19.60	2.10	20.90	2.34	23.40	2.68	26.00	3.08
	-2	13.20	1.55	15.80	1.82	18.30	1.98	19.60	2.11	20.90	2.39	23.40	2.72	26.00	3.12
	0	13.20	1.56	15.80	1.84	18.30	2.02	19.60	2.12	20.90	2.43	23.40	2.78	26.00	3.17
	2	13.20	1.57	15.80	1.85	18.30	2.05	19.60	2.17	20.90	2.47	23.40	2.84	26.00	3.22
	4	13.20	1.59	15.80	1.90	18.30	2.10	19.60	2.21	20.90	2.52	23.40	2.88	26.00	3.29
	6	13.20	1.62	15.80	1.93	18.30	2.15	19.60	2.25	20.90	2.58	23.40	2.93	26.00	3.36
	8	13.20	1.65	15.80	1.98	18.30	2.20	19.60	2.29	20.90	2.64	23.40	3.02	26.00	3.42
	10	13.20	1.68	15.80	2.02	18.30	2.26	19.60	2.33	20.90	2.71	23.40	3.08	26.00	3.46
	12	13.20	1.72	15.80	2.04	18.30	2.31	19.60	2.37	20.90	2.76	23.40	3.14	26.00	3.53
	14	13.20	1.75	15.80	2.08	18.30	2.35	19.60	2.45	20.90	2.81	23.40	3.20	26.00	3.59
	16	13.20	1.78	15.80	2.12	18.30	2.40	19.60	2.46	20.90	2.86	23.40	3.25	26.00	3.66
	18	13.20	1.81	15.80	2.16	18.30	2.45	19.60	2.46	20.90	2.91	23.40	3.32	26.00	3.74
	20	13.20	1.84	15.80	2.20	18.30	2.49	19.60	2.63	20.90	2.97	23.40	3.39	26.00	3.84
	21	13.20	1.85	15.80	2.22	18.30	2.51	19.60	2.81	20.90	3.00	23.40	3.43	26.00	3.97
	23	13.20	1.88	15.80	2.25	18.30	2.57	19.60	2.96	20.90	3.15	23.40	3.68	26.00	4.26
	25	13.20	1.92	15.80	2.35	18.30	2.74	19.60	3.18	20.90	3.36	23.40	3.94	26.00	4.55
	27	13.20	2.04	15.80	2.50	18.30	2.93	19.60	3.41	20.90	3.58	23.40	4.20	26.00	4.87
	29	13.20	2.16	15.80	2.65	18.30	3.12	19.60	3.57	20.90	3.81	23.40	4.48	26.00	5.20
	31	13.20	2.28	15.80	2.81	18.30	3.33	19.60	3.81	20.90	4.06	23.40	4.77	26.00	5.54
	33	13.20	2.42	15.80	3.00	18.30	3.55	19.60	4.04	20.90	4.33	23.40	5.09	26.00	5.91
	35	13.20	2.57	15.80	3.18	18.30	3.77	19.60	4.22	20.90	4.60	23.40	5.42	26.00	6.30
	37	13.20	2.71	15.80	3.37	18.30	4.01	19.60	4.28	20.90	4.90	23.40	5.77	26.00	6.71
	39	13.20	2.87	15.80	3.57	18.30	4.26	19.60	4.36	20.90	5.20	23.40	6.13	26.00	7.15
	41	13.20	3.00	15.80	3.69	18.30	4.39	19.60	4.57	20.90	5.36	23.40	6.39	26.00	7.47
	43	13.20	3.24	15.80	3.95	18.30	4.57	19.60	4.75	20.90	5.52	23.40	6.62	26.00	7.70
	45	13.20	3.31	15.80	4.03	18.30	4.67	19.60	4.88	20.90	5.79	23.40	6.98	26.00	8.00
	48	13.20	2.38	15.80	2.85	18.30	3.28	19.60	4.98	20.90	4.17	23.40	5.11	26.00	5.73

Cooling capacity tables

10HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
60%	-5	11.30	1.32	13.50	1.53	15.70	1.79	16.80	1.90	17.90	2.05	20.10	2.31	22.30	2.64
	-2	11.30	1.33	13.50	1.56	15.70	1.82	16.80	1.93	17.90	2.07	20.10	2.34	22.30	2.66
	0	11.30	1.35	13.50	1.57	15.70	1.84	16.80	1.95	17.90	2.11	20.10	2.38	22.30	2.70
	2	11.30	1.37	13.50	1.61	15.70	1.88	16.80	1.99	17.90	2.14	20.10	2.42	22.30	2.73
	4	11.30	1.41	13.50	1.64	15.70	1.91	16.80	2.02	17.90	2.17	20.10	2.46	22.30	2.77
	6	11.30	1.42	13.50	1.67	15.70	1.95	16.80	2.06	17.90	2.21	20.10	2.51	22.30	2.84
	8	11.30	1.45	13.50	1.70	15.70	1.98	16.80	2.10	17.90	2.26	20.10	2.56	22.30	2.88
	10	11.30	1.48	13.50	1.74	15.70	2.02	16.80	2.16	17.90	2.30	20.10	2.61	22.30	2.92
	12	11.30	1.51	13.50	1.77	15.70	2.05	16.80	2.20	17.90	2.34	20.10	2.66	22.30	2.97
	14	11.30	1.53	13.50	1.80	15.70	2.08	16.80	2.23	17.90	2.39	20.10	2.70	22.30	3.03
	16	11.30	1.55	13.50	1.82	15.70	2.12	16.80	2.27	17.90	2.43	20.10	2.75	22.30	3.09
	18	11.30	1.58	13.50	1.85	15.70	2.16	16.80	2.31	17.90	2.47	20.10	2.80	22.30	3.14
	20	11.30	1.59	13.50	1.89	15.70	2.20	16.80	2.36	17.90	2.52	20.10	2.86	22.30	3.21
	21	11.30	1.61	13.50	1.90	15.70	2.22	16.80	2.53	17.90	2.54	20.10	2.88	22.30	3.24
	23	11.30	1.63	13.50	1.94	15.70	2.25	16.80	2.70	17.90	2.59	20.10	3.00	22.30	3.45
	25	11.30	1.66	13.50	1.97	15.70	2.34	16.80	2.85	17.90	2.75	20.10	3.20	22.30	3.68
	27	11.30	1.73	13.50	2.09	15.70	2.49	16.80	2.99	17.90	2.93	20.10	3.41	22.30	3.93
	29	11.30	1.82	13.50	2.22	15.70	2.66	16.80	3.12	17.90	3.12	20.10	3.64	22.30	4.19
	31	11.30	1.94	13.50	2.35	15.70	2.82	16.80	3.29	17.90	3.32	20.10	3.87	22.30	4.46
	33	11.30	2.04	13.50	2.49	15.70	2.99	16.80	3.43	17.90	3.53	20.10	4.12	22.30	4.76
	35	11.30	2.17	13.50	2.65	15.70	3.17	16.80	3.46	17.90	3.75	20.10	4.38	22.30	5.06
	37	11.30	2.29	13.50	2.80	15.70	3.36	16.80	3.67	17.90	3.98	20.10	4.66	22.30	5.39
	39	11.30	2.42	13.50	2.96	15.70	3.56	16.80	3.89	17.90	4.23	20.10	4.95	22.30	5.73
	41	11.30	2.49	13.50	3.09	15.70	3.69	16.80	4.04	17.90	4.39	20.10	5.18	22.30	5.99
	43	11.30	2.57	13.50	3.22	15.70	3.82	16.80	4.16	17.90	4.54	20.10	5.40	22.30	6.25
	45	11.30	2.69	13.50	3.38	15.70	3.98	16.80	4.32	17.90	4.76	20.10	5.64	22.30	6.60
	48	11.30	1.89	13.50	2.39	15.70	2.79	16.80	3.00	17.90	3.35	20.10	3.96	22.30	4.68
50%	-5	9.45	1.15	11.30	1.27	13.10	1.42	14.00	1.62	14.90	1.68	16.70	1.91	18.60	2.06
	-2	9.45	1.15	11.30	1.30	13.10	1.44	14.00	1.66	14.90	1.71	16.70	1.94	18.60	2.09
	0	9.45	1.17	11.30	1.32	13.10	1.46	14.00	1.67	14.90	1.73	16.70	1.97	18.60	2.12
	2	9.45	1.19	11.30	1.33	13.10	1.48	14.00	1.67	14.90	1.76	16.70	1.98	18.60	2.16
	4	9.45	1.20	11.30	1.36	13.10	1.51	14.00	1.68	14.90	1.80	16.70	2.03	18.60	2.22
	6	9.45	1.22	11.30	1.38	13.10	1.53	14.00	1.69	14.90	1.83	16.70	2.06	18.60	2.28
	8	9.45	1.25	11.30	1.41	13.10	1.55	14.00	1.70	14.90	1.85	16.70	2.09	18.60	2.36
	10	9.45	1.28	11.30	1.42	13.10	1.57	14.00	1.68	14.90	1.91	16.70	2.15	18.60	2.39
	12	9.45	1.29	11.30	1.44	13.10	1.59	14.00	1.69	14.90	1.95	16.70	2.18	18.60	2.43
	14	9.45	1.31	11.30	1.46	13.10	1.68	14.00	1.70	14.90	1.97	16.70	2.22	18.60	2.48
	16	9.45	1.33	11.30	1.48	13.10	1.71	14.00	1.70	14.90	2.00	16.70	2.26	18.60	2.52
	18	9.45	1.34	11.30	1.51	13.10	1.74	14.00	1.71	14.90	2.04	16.70	2.30	18.60	2.56
	20	9.45	1.36	11.30	1.53	13.10	1.77	14.00	1.74	14.90	2.08	16.70	2.34	18.60	2.61
	21	9.45	1.37	11.30	1.55	13.10	1.79	14.00	1.88	14.90	2.10	16.70	2.36	18.60	2.64
	23	9.45	1.39	11.30	1.57	13.10	1.81	14.00	2.01	14.90	2.14	16.70	2.40	18.60	2.70
	25	9.45	1.41	11.30	1.59	13.10	1.85	14.00	2.14	14.90	2.20	16.70	2.53	18.60	2.88
	27	9.45	1.44	11.30	1.66	13.10	1.96	14.00	2.31	14.90	2.34	16.70	2.69	18.60	3.07
	29	9.45	1.52	11.30	1.76	13.10	2.08	14.00	2.37	14.90	2.49	16.70	2.86	18.60	3.27
	31	9.45	1.60	11.30	1.86	13.10	2.20	14.00	2.53	14.90	2.64	16.70	3.04	18.60	3.48
	33	9.45	1.70	11.30	1.98	13.10	2.35	14.00	2.67	14.90	2.80	16.70	3.23	18.60	3.70
	35	9.45	1.79	11.30	2.09	13.10	2.48	14.00	2.75	14.90	2.97	16.70	3.43	18.60	3.93
	37	9.45	1.89	11.30	2.21	13.10	2.63	14.00	2.76	14.90	3.15	16.70	3.64	18.60	4.18
	39	9.45	1.99	11.30	2.34	13.10	2.79	14.00	2.78	14.90	3.34	16.70	3.86	18.60	4.43
	41	9.45	2.08	11.30	2.44	13.10	2.89	14.00	2.83	14.90	3.48	16.70	4.07	18.60	4.64
	43	9.45	2.21	11.30	2.61	13.10	2.99	14.00	2.91	14.90	3.57	16.70	4.27	18.60	4.85
	45	9.45	2.26	11.30	2.68	13.10	3.20	14.00	2.99	14.90	3.72	16.70	4.69	18.60	5.26
	48	9.45	1.50	11.30	1.77	13.10	2.18	14.00	3.03	14.90	2.52	16.70	3.28	18.60	3.67
40%	-5	7.66	0.88	9.10	1.03	10.73	1.17	11.20	1.23	12.63	1.30	14.00	1.47	15.67	1.59
	-2	7.66	0.89	9.10	1.04	10.73	1.19	11.20	1.24	12.63	1.32	14.00	1.48	15.67	1.62
	0	7.66	0.90	9.10	1.06	10.73	1.20	11.20	1.26	12.63	1.34	14.00	1.52	15.67	1.66
	2	7.66	0.92	9.10	1.08	10.73	1.22	11.20	1.29	12.63	1.37	14.00	1.54	15.67	1.71
	4	7.66	0.93	9.10	1.09	10.73	1.24	11.20	1.32	12.63	1.39	14.00	1.56	15.67	1.77
	6	7.66	0.96	9.10	1.11	10.73	1.26	11.20	1.34	12.63	1.43	14.00	1.61	15.67	1.79
	8	7.66	0.96	9.10	1.12	10.73	1.28	11.20	1.36	12.63	1.46	14.00	1.63	15.67	1.82
	10	7.66	0.98	9.10	1.13	10.73	1.30	11.20	1.39	12.63	1.48	14.00	1.66	15.67	1.86
	12	7.66	0.99	9.10	1.15	10.73	1.32	11.20	1.41	12.63	1.50	14.00	1.69	15.67	1.88
	14	7.66	1.01	9.10	1.17	10.73	1.34	11.20	1.43	12.63	1.53	14.00	1.71	15.67	1.92
	16	7.66	1.02	9.10	1.18	10.73	1.36	11.20	1.46	12.63	1.56	14.00	1.72	15.67	1.96
	18	7.66	1.03	9.10	1.20	10.73	1.38	11.20	1.47	12.63	1.57	14.00	1.73	15.67	1.98
	20	7.66	1.04	9.10	1.21	10.73	1.40	11.20	1.50	12.63	1.60	14.00	1.75	15.67	2.02
	21	7.66	1.06	9.10	1.23	10.73	1.43	11.20	1.53	12.63	1.65	14.00	1.77	15.67	2.16
	23	7.66	1.08	9.10	1.26	10.73	1.46	11.20	1.53	12.63	1.75	14.00	1.80	15.67	2.30
	25	7.66	1.09	9.10	1.29	10.73	1.48	11.20	1.55	12.63	1.86	14.00	1.84	15.67	2.45
	27	7.66	1.10	9.10	1.30	10.73	1.49	11.20	1.57	12.63	1.98	14.00	1.89	15.67	2.61
	29	7.66	1.15	9.10	1.35	10.73	1.51	11.20	1.61	12.63	2.10	14.00	4.08	15.67	2.77
	31	7.66	1.18	9.10	1.36	10.73	1.51	11.20	1.69	12.63	2.22	14.00	2.10	15.67	2.94
	33	7.66	1.21	9.10	1.39	10.73	1.56	11.20	1.77	12.63	2.36	14.00	2.33	15.67	3.13
	35	7.66	1.27	9.10	1.42	10.73	1.61	11.20	2.06	12.63	2.50	14.00	2.50	15.67	3.29
	37	7.66	1.33	9.10	1.50	10.73	1.67	11.20	2.10	12.63	2.52	14.00	2.60	15.67	3.30
	39	7.66	1.37	9.10	1.67	10.73	1.80	11.20	2.15	12.63	2.81	14.00	2.72	15.67	3.34
	41	7.66	1.39	9.10	2.00	10.73	1.89	11.20	2.17	12.63	2.79	14.00	2.88	15.67	3.49
	43	7.66	1.42	9.10	2.09	10.73	2.10	11.20	2.22	12.63	2.85	14.00	2.89	15.67	3.56
	45	7.66	1.43	9.10	2.57	10.73	2.37	11.20	2.18	12.63	2.81	14.00	3.15	15.67	3.90
	48	7.66	1.41	9.10	1.55	10.73	1.62	11.20	2.17	12.63	1.96	14.00	2.54	15.67	3.39

Cooling capacity tables

10HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
30%	-5	5.89	0.66	7.01	0.73	7.83	0.81	8.40	0.87	9.12	0.98	9.42	1.11	10.09	1.21
	-2	5.89	0.67	7.01	0.74	7.83	0.82	8.40	0.90	9.12	1.00	9.42	1.13	10.09	1.25
	0	5.89	0.68	7.01	0.75	7.83	0.83	8.40	0.92	9.12	1.01	9.42	1.14	10.09	1.29
	2	5.89	0.70	7.01	0.76	7.83	0.85	8.40	0.93	9.12	1.04	9.42	1.17	10.09	1.31
	4	5.89	0.70	7.01	0.77	7.83	0.86	8.40	0.95	9.12	1.06	9.42	1.19	10.09	1.33
	6	5.89	0.71	7.01	0.78	7.83	0.87	8.40	0.97	9.12	1.08	9.42	1.22	10.09	1.36
	8	5.89	0.73	7.01	0.79	7.83	0.89	8.40	0.99	9.12	1.10	9.42	1.24	10.09	1.38
	10	5.89	0.74	7.01	0.81	7.83	0.91	8.40	1.01	9.12	1.12	9.42	1.26	10.09	1.40
	12	5.89	0.75	7.01	0.82	7.83	0.92	8.40	1.04	9.12	1.14	9.42	1.28	10.09	1.43
	14	5.89	0.75	7.01	0.83	7.83	0.93	8.40	1.05	9.12	1.15	9.42	1.29	10.09	1.45
	16	5.89	0.76	7.01	0.84	7.83	0.95	8.40	1.07	9.12	1.17	9.42	1.31	10.09	1.48
	18	5.89	0.77	7.01	0.86	7.83	0.97	8.40	1.08	9.12	1.21	9.42	1.38	10.09	1.58
	20	5.89	0.79	7.01	0.89	7.83	1.03	8.40	1.13	9.12	1.28	9.42	1.47	10.09	1.68
	21	5.89	0.83	7.01	0.95	7.83	1.09	8.40	1.19	9.12	1.36	9.42	1.57	10.09	1.76
	23	5.89	0.88	7.01	0.86	7.83	1.16	8.40	1.23	9.12	1.45	9.42	1.66	10.09	1.85
	25	5.89	0.93	7.01	1.00	7.83	1.24	8.40	1.30	9.12	1.53	9.42	1.77	10.09	1.95
	27	5.89	0.98	7.01	1.13	7.83	1.31	8.40	1.40	9.12	1.62	9.42	1.81	10.09	1.99
	29	5.89	1.03	7.01	1.20	7.83	1.40	8.40	1.43	9.12	1.72	9.42	1.86	10.09	2.06
	31	5.89	1.09	7.01	1.26	7.83	1.48	8.40	1.47	9.12	1.83	9.42	1.94	10.09	2.10
	33	5.89	1.14	7.01	1.32	7.83	1.54	8.40	1.50	9.12	1.91	9.42	1.98	10.09	2.11
	35	5.89	1.21	7.01	1.41	7.83	1.59	8.40	1.50	9.12	1.95	9.42	2.05	10.09	2.16
	37	5.89	1.24	7.01	1.45	7.83	1.71	8.40	1.58	9.12	2.04	9.42	2.09	10.09	2.25
	39	5.89	1.28	7.01	1.50	7.83	1.82	8.40	1.63	9.12	2.10	9.42	2.13	10.09	2.31
	41	5.89	1.38	7.01	1.65	7.83	1.92	8.40	1.68	9.12	2.11	9.42	2.21	10.09	2.40
	43	5.89	1.51	7.01	1.82	7.83	2.02	8.40	1.73	9.12	2.19	9.42	2.28	10.09	2.44
	45	5.89	1.70	7.01	1.86	7.83	2.03	8.40	1.78	9.12	2.26	9.42	2.35	10.09	2.49
	48	5.89	1.48	7.01	1.40	7.83	1.46	8.40	1.81	9.12	1.62	9.42	1.63	10.09	1.83
20%	-5	4.07	0.41	4.84	0.44	5.73	0.50	5.60	0.56	7.08	0.60	7.48	0.68	8.55	0.77
	-2	4.07	0.42	4.84	0.45	5.73	0.51	5.60	0.58	7.08	0.61	7.48	0.69	8.55	0.78
	0	4.07	0.42	4.84	0.45	5.73	0.52	5.60	0.59	7.08	0.63	7.48	0.71	8.55	0.79
	2	4.07	0.43	4.84	0.46	5.73	0.53	5.60	0.60	7.08	0.64	7.48	0.72	8.55	0.81
	4	4.07	0.43	4.84	0.47	5.73	0.54	5.60	0.61	7.08	0.65	7.48	0.73	8.55	0.82
	6	4.07	0.44	4.84	0.48	5.73	0.55	5.60	0.63	7.08	0.66	7.48	0.75	8.55	0.84
	8	4.07	0.45	4.84	0.48	5.73	0.56	5.60	0.64	7.08	0.67	7.48	0.76	8.55	0.85
	10	4.07	0.45	4.84	0.49	5.73	0.56	5.60	0.65	7.08	0.68	7.48	0.77	8.55	0.86
	12	4.07	0.46	4.84	0.50	5.73	0.57	5.60	0.66	7.08	0.69	7.48	0.78	8.55	0.88
	14	4.07	0.46	4.84	0.51	5.73	0.59	5.60	0.67	7.08	0.71	7.48	0.83	8.55	0.95
	16	4.07	0.47	4.84	0.53	5.73	0.62	5.60	0.68	7.08	0.76	7.48	0.88	8.55	1.01
	18	4.07	0.50	4.84	0.56	5.73	0.66	5.60	0.70	7.08	0.81	7.48	0.94	8.55	1.08
	20	4.07	0.53	4.84	0.51	5.73	0.71	5.60	0.73	7.08	0.86	7.48	1.00	8.55	1.09
	21	4.07	0.56	4.84	0.60	5.73	0.75	5.60	0.75	7.08	0.92	7.48	1.05	8.55	1.15
	23	4.07	0.59	4.84	0.68	5.73	0.80	5.60	0.78	7.08	0.97	7.48	1.08	8.55	1.18
	25	4.07	0.63	4.84	0.72	5.73	0.85	5.60	0.81	7.08	1.04	7.48	1.09	8.55	1.23
	27	4.07	0.66	4.84	0.76	5.73	0.90	5.60	0.87	7.08	1.10	7.48	1.12	8.55	1.27
	29	4.07	0.69	4.84	0.80	5.73	0.94	5.60	0.88	7.08	1.15	7.48	1.18	8.55	1.28
	31	4.07	0.74	4.84	0.85	5.73	0.97	5.60	0.91	7.08	1.18	7.48	1.20	8.55	1.34
	33	4.07	0.75	4.84	0.88	5.73	1.04	5.60	0.94	7.08	1.23	7.48	1.26	8.55	1.37
	35	4.07	0.78	4.84	0.91	5.73	1.12	5.60	0.94	7.08	1.30	7.48	1.29	8.55	1.40
	37	4.07	0.84	4.84	1.00	5.73	1.18	5.60	0.99	7.08	1.34	7.48	1.31	8.55	1.45
	39	4.07	0.92	4.84	1.11	5.73	1.24	5.60	1.01	7.08	1.45	7.48	1.37	8.55	1.49
	41	4.07	1.04	4.84	1.13	5.73	1.25	5.60	1.05	7.08	1.46	7.48	1.39	8.55	1.54
	43	4.07	1.09	4.84	1.16	5.73	1.28	5.60	1.08	7.08	1.49	7.48	1.43	8.55	1.58
	45	4.07	1.12	4.84	1.20	5.73	1.31	5.60	1.11	7.08	1.55	7.48	1.48	8.55	1.64
	48	4.07	0.95	4.84	0.96	5.73	1.06	5.60	1.13	7.08	1.00	7.48	0.92	8.55	1.15
10%	-5	2.10	0.21	2.53	0.25	3.98	0.28	2.80	0.25	3.65	0.32	3.90	0.36	4.44	0.39
	-2	2.10	0.22	2.53	0.25	3.98	0.29	2.80	0.25	3.65	0.33	3.90	0.37	4.44	0.41
	0	2.10	0.22	2.53	0.25	3.98	0.29	2.80	0.25	3.65	0.33	3.90	0.38	4.44	0.42
	2	2.10	0.22	2.53	0.26	3.98	0.30	2.80	0.25	3.65	0.34	3.90	0.38	4.44	0.43
	4	2.10	0.23	2.53	0.26	3.98	0.30	2.80	0.26	3.65	0.34	3.90	0.39	4.44	0.43
	6	2.10	0.23	2.53	0.27	3.98	0.31	2.80	0.26	3.65	0.35	3.90	0.39	4.44	0.44
	8	2.10	0.23	2.53	0.27	3.98	0.31	2.80	0.26	3.65	0.35	3.90	0.40	4.44	0.45
	10	2.10	0.23	2.53	0.27	3.98	0.32	2.80	0.26	3.65	0.36	3.90	0.42	4.44	0.48
	12	2.10	0.24	2.53	0.28	3.98	0.33	2.80	0.26	3.65	0.37	3.90	0.45	4.44	0.51
	14	2.10	0.25	2.53	0.30	3.98	0.35	2.80	0.27	3.65	0.38	3.90	0.47	4.44	0.54
	16	2.10	0.27	2.53	0.27	3.98	0.38	2.80	0.27	3.65	0.40	3.90	0.50	4.44	0.56
	18	2.10	0.28	2.53	0.32	3.98	0.40	2.80	0.27	3.65	0.42	3.90	0.53	4.44	0.59
	20	2.10	0.30	2.53	0.36	3.98	0.42	2.80	0.27	3.65	0.44	3.90	0.55	4.44	0.59
	21	2.10	0.31	2.53	0.38	3.98	0.45	2.80	0.29	3.65	0.46	3.90	0.58	4.44	0.62
	23	2.10	0.33	2.53	0.40	3.98	0.47	2.80	0.31	3.65	0.51	3.90	0.60	4.44	0.64
	25	2.10	0.34	2.53	0.41	3.98	0.49	2.80	0.33	3.65	0.55	3.90	0.63	4.44	0.66
	27	2.10	0.37	2.53	0.44	3.98	0.51	2.80	0.35	3.65	0.58	3.90	0.64	4.44	0.68
	29	2.10	0.38	2.53	0.45	3.98	0.54	2.80	0.39	3.65	0.59	3.90	0.67	4.44	0.70
	31	2.10	0.39	2.53	0.47	3.98	0.55	2.80	0.40	3.65	0.60	3.90	0.68	4.44	0.73
	33	2.10	0.42	2.53	0.51	3.98	0.58	2.80	0.42	3.65	0.62	3.90	0.70	4.44	0.74
	35	2.10	0.46	2.53	0.56	3.98	0.60	2.80	0.46	3.65	0.64	3.90	0.72	4.44	0.77
	37	2.10	0.51	2.53	0.58	3.98	0.62	2.80	0.46	3.65	0.65	3.90	0.75	4.44	0.79
	39	2.10	0.54	2.53	0.59	3.98	0.64	2.80	0.47	3.65	0.68	3.90	0.77	4.44	0.82
	41	2.10	0.55	2.53	0.61	3.98	0.65	2.80	0.48	3.65	0.70	3.90	0.79	4.44	0.83
	43	2.10	0.58	2.53	0.63	3.98	0.68	2.80	0.48	3.65	0.72	3.90	0.80	4.44	0.87
	45	2.10	0.59	2.53	0.64	3.98	0.69	2.80	0.49	3.65	0.74	3.90	0.82	4.44	0.68
	48	2.10	0.45	2.53	0.47	3.98	0.51	2.80	0.50	3.65	0.51	3.90	0.56	4.44	0.47

Cooling capacity tables

12HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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%	-5	29.44	3.75	35.79	4.20	40.37	4.53	41.53	4.92	44.41	5.25	45.63	5.71	45.99	5.75
	-2	29.44	3.75	35.79	4.29	40.37	4.53	41.53	4.95	44.41	5.25	45.63	5.78	45.99	5.80
	0	29.44	3.81	35.79	4.37	40.37	4.71	41.53	5.23	44.41	5.56	45.63	5.85	45.99	5.88
	2	29.44	3.88	35.79	4.38	40.37	4.89	41.53	5.54	44.41	5.62	45.63	5.90	45.99	5.97
	4	29.44	3.97	35.79	4.48	40.37	5.07	41.53	5.56	44.41	5.69	45.63	5.89	45.99	6.08
	6	29.44	4.05	35.79	4.57	40.37	5.27	41.53	5.61	43.65	5.87	44.31	5.89	45.48	6.13
	8	29.44	4.14	35.79	4.69	40.37	5.55	41.53	5.89	43.22	6.06	43.83	5.92	44.90	6.19
	10	29.44	4.23	35.79	4.80	40.37	5.77	41.53	6.10	42.80	6.10	43.32	6.10	44.38	6.37
	12	29.44	4.30	35.79	4.89	40.37	5.90	41.44	6.17	41.78	6.27	42.73	6.21	43.79	6.41
	14	29.44	4.39	35.79	4.99	40.12	5.92	41.09	6.20	41.19	6.32	42.25	6.32	43.32	6.55
	16	29.44	4.46	35.79	5.10	39.65	6.09	40.37	6.32	40.60	6.45	41.66	6.47	42.73	6.65
	18	29.44	4.55	35.79	5.22	39.06	6.18	39.72	6.40	40.12	6.63	41.19	6.69	42.25	6.75
	20	29.44	4.65	35.79	5.57	38.47	6.50	39.06	6.73	39.53	6.95	40.60	7.01	41.66	7.09
	21	29.44	4.77	35.79	5.78	38.23	6.66	38.82	6.89	39.29	7.11	40.36	7.19	41.42	7.25
	23	29.44	5.12	35.79	6.23	37.76	6.98	38.23	7.21	38.70	7.43	39.77	7.51	40.83	7.58
	25	29.44	5.47	35.79	6.70	37.16	7.31	37.64	7.53	38.23	7.77	39.29	7.84	40.36	7.91
	27	29.44	5.84	35.79	7.19	36.69	7.63	37.16	8.02	37.64	8.09	38.70	8.17	39.77	8.26
	29	29.44	6.23	35.79	7.71	36.10	7.95	36.57	8.45	37.16	8.42	38.23	8.51	39.29	8.60
	31	29.44	6.65	34.56	8.18	35.51	8.28	36.10	8.86	36.57	8.74	37.64	8.84	38.70	8.94
	33	29.44	7.09	33.97	8.51	35.03	8.60	35.51	9.35	36.10	9.08	37.16	9.18	38.11	9.28
	35	29.44	7.56	33.38	8.83	34.44	8.94	35.03	9.36	35.51	9.41	36.57	9.52	37.64	9.62
	37	29.44	8.04	32.90	9.16	33.97	9.27	34.44	9.51	35.03	9.76	35.98	9.87	37.05	9.98
	39	29.44	8.56	32.31	9.26	33.38	9.59	33.97	9.84	34.44	10.09	35.51	10.20	36.57	10.33
	41	29.44	9.01	31.98	9.35	33.03	9.69	33.62	9.94	34.09	10.18	35.16	10.22	35.17	10.42
	43	29.44	9.24	31.75	9.40	32.85	9.71	33.44	9.98	33.74	10.20	34.52	10.24	34.75	10.44
	45	29.44	9.69	31.54	9.49	32.50	9.81	33.09	10.05	33.25	10.25	33.58	10.28	34.07	10.64
	48	29.12	10.04	32.67	9.81	35.43	9.90	36.09	10.14	36.38	10.36	36.22	10.46	36.88	10.48
120%	-5	27.64	3.58	32.08	3.88	37.31	4.49	38.87	5.05	41.83	5.37	42.78	5.84	43.73	6.00
	-2	27.64	3.62	32.08	3.93	37.31	4.54	38.87	5.08	41.83	5.44	42.78	5.89	43.73	6.02
	0	27.64	3.65	32.08	3.96	37.31	4.60	38.87	5.09	41.83	5.50	42.78	5.92	43.73	6.03
	2	27.64	3.66	32.08	4.00	37.31	4.64	38.87	5.15	41.83	5.52	42.78	5.97	43.73	6.04
	4	27.64	3.70	32.08	4.06	37.31	4.71	38.87	5.20	41.83	5.60	42.78	5.98	43.73	6.06
	6	27.64	3.74	32.08	4.09	37.31	4.77	38.87	5.26	41.83	5.66	42.78	6.03	43.73	6.08
	8	27.64	3.77	32.08	4.14	37.31	4.85	38.87	5.34	41.83	5.73	42.78	6.05	43.73	6.11
	10	27.64	3.82	32.08	4.20	37.31	4.90	38.87	5.44	41.83	5.73	42.78	6.07	43.73	6.14
	12	27.64	3.89	32.08	4.29	37.31	5.01	38.87	5.55	41.23	5.76	42.18	6.04	43.13	6.18
	14	27.64	3.96	32.08	4.38	37.31	5.12	38.87	5.67	40.64	5.80	41.70	6.13	42.66	6.26
	16	27.64	4.04	32.08	4.48	37.31	5.23	38.45	5.76	40.16	5.89	41.11	6.24	42.06	6.35
	18	27.64	4.11	32.08	4.58	37.31	5.42	38.32	5.93	39.57	6.05	40.52	6.38	41.59	6.45
	20	27.64	4.20	32.08	4.78	37.31	5.89	38.26	6.25	39.09	6.37	40.04	6.70	40.99	6.76
	21	27.64	4.23	32.08	4.96	37.31	6.12	38.26	6.64	38.73	6.52	39.81	6.86	40.76	6.94
	23	27.64	4.53	32.08	5.35	37.31	6.60	37.79	7.17	38.26	6.84	39.21	7.19	40.16	7.25
	25	27.64	4.83	32.08	5.75	36.72	6.92	37.19	7.47	37.67	7.16	38.73	7.51	39.69	7.58
	27	27.64	5.16	32.08	6.18	36.24	7.22	36.72	7.96	37.19	7.49	38.14	7.84	39.09	7.91
	29	27.64	5.50	32.08	6.64	35.65	7.54	36.12	8.30	36.60	7.81	37.55	8.17	38.62	8.24
	31	27.64	5.87	32.08	7.11	35.05	7.87	35.65	8.71	36.12	8.14	37.07	8.50	38.02	8.59
	33	27.64	6.25	32.08	7.61	34.58	8.19	35.05	9.08	35.53	8.46	36.48	8.83	37.43	8.92
	35	27.64	6.65	32.08	8.15	33.98	8.50	34.46	9.20	35.05	8.79	36.00	9.16	36.95	9.26
	37	27.64	7.08	32.08	8.71	33.51	8.84	33.98	9.25	34.46	9.12	35.41	9.49	36.36	9.60
	39	27.64	7.53	31.96	9.23	32.91	9.15	33.39	9.31	33.87	9.45	34.93	9.83	35.88	9.93
	41	27.64	7.74	31.70	9.30	32.66	9.22	33.13	9.38	33.61	9.52	34.68	9.86	34.85	10.01
	43	27.64	7.86	31.54	9.37	32.40	9.28	32.87	9.41	33.35	9.55	34.07	9.89	34.31	10.21
	45	27.64	7.95	31.36	9.46	32.09	9.38	32.53	9.51	33.06	9.63	33.38	9.92	33.97	10.44
	48	31.25	8.01	36.03	9.57	36.70	9.47	37.09	9.58	37.88	9.71	38.08	9.96	38.84	10.57
110%	-5	25.62	3.12	29.60	3.52	35.81	4.18	36.76	4.70	39.15	5.17	42.13	5.38	43.09	5.73
	-2	25.62	3.18	29.60	3.57	35.81	4.22	36.76	4.75	39.15	5.21	42.13	5.43	43.09	5.76
	0	25.62	3.21	29.60	3.59	35.81	4.25	36.76	4.78	39.15	5.27	42.13	5.49	43.09	5.83
	2	25.62	3.28	29.60	3.63	35.81	4.33	36.76	4.84	39.15	5.33	42.13	5.57	43.09	5.90
	4	25.62	3.35	29.60	3.67	35.81	4.37	36.76	4.90	39.15	5.41	42.13	5.65	43.09	5.96
	6	25.62	3.38	29.60	3.72	35.81	4.42	36.76	4.98	39.15	5.48	42.13	5.71	43.09	6.05
	8	25.62	3.41	29.60	3.79	35.81	4.47	36.76	5.04	39.15	5.54	42.13	5.75	43.09	6.11
	10	25.62	3.45	29.60	3.84	35.81	4.54	36.76	5.13	39.15	5.64	42.13	5.79	43.09	6.17
	12	25.62	3.52	29.60	3.93	35.81	4.64	36.76	5.24	39.15	5.74	41.66	5.88	42.49	6.25
	14	25.62	3.59	29.60	4.00	35.81	4.74	36.76	5.34	39.15	5.85	41.06	5.93	42.01	6.29
	16	25.62	3.65	29.60	4.09	35.81	4.84	36.76	5.45	39.15	5.98	40.58	6.00	41.41	6.36
	18	25.62	3.72	29.60	4.17	35.81	4.95	36.76	5.60	39.15	6.27	39.98	6.32	40.94	6.56
	20	25.62	3.79	29.60	4.27	35.81	5.26	36.76	6.04	38.55	6.59	39.51	6.63	40.34	6.88
	21	25.62	3.83	29.60	4.40	35.81	5.47	36.76	6.52	38.31	6.74	39.15	6.79	40.10	7.04
	23	25.62	4.01	29.60	4.75	35.81	5.90	36.76	6.94	37.72	7.05	38.67	7.12	39.51	7.37
	25	25.62	4.28	29.60	5.10	35.81	6.34	36.76	7.40	37.24	7.37	38.07	7.44	39.03	7.68
	27	25.62	4.56	29.60	5.48	35.81	6.81	36.17	7.76	36.64	7.68	37.60	7.76	38.43	8.01
	29	25.62	4.87	29.60	5.87	35.81	7.31	35.69	8.21	36.17	8.01	37.00	8.09	37.95	8.34
	31	25.62	5.18	29.60	6.28	35.81	7.84	35.09	8.66	35.57	8.33	36.52	8.40	37.36	8.67
	33	25.62	5.51	29.60	6.72	35.81	8.29	34.61	9.00	35.09	8.65	35.92	8.73	36.88	9.00
	35	25.62	5.87	29.60	7.18	33.54	8.61	34.02	9.11	34.49	8.98	35.33	9.06	36.28	9.33
	37	25.62	6.24	29.60	7.67	33.06	8.93	33.54	9.15	33.90	9.29	34.85	9.39	35.69	9.66
	39	25.62	6.63	29.60	8.20	32.46	9.25	32.94	9.48	33.42	9.62	34.25	9.72	35.21	10.00
	41	25.62	6.70	29.60	8.27	32.21	9.32	32.69	9.55	33.17	9.69	33.82	9.79	34.15	10.07
	43	25.62	6.77	29.60	8.38	31.95	9.39	32.43	9.62	32.91	9.76	33.52	9.82	33.63	10.27
	45	25.62	6.99	29.60	8.42	31.63	9.48	32.09	9.74	32.62	9.85	33.18	10.10	33.31	10.51
	48	26.72	7.19	31.86	9.11	33.55	9.48	33.99	9.74	34.71	9.89	35.12	10.07	35.39	10.56

Cooling capacity tables

12HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
100%	-5	23.50	3.22	27.59	3.51	33.03	3.87	33.50	4.54	35.65	4.44	40.08	4.91	42.35	5.42
	-2	23.50	3.27	27.59	3.56	33.03	3.95	33.50	4.58	35.65	4.50	40.08	4.98	42.35	5.45
	0	23.50	3.30	27.59	3.60	33.03	4.01	33.50	4.65	35.65	4.55	40.08	5.07	42.35	5.52
	2	23.50	3.35	27.59	3.65	33.03	4.11	33.50	4.69	35.65	4.60	40.08	5.15	42.35	5.61
	4	23.50	3.38	27.59	3.71	33.03	4.16	33.50	4.76	35.65	4.66	40.08	5.20	42.35	5.67
	6	23.50	3.46	27.59	3.76	33.03	4.23	33.50	4.86	35.65	4.73	40.08	5.28	42.35	5.76
	8	23.50	3.51	27.59	3.84	33.03	4.31	33.50	4.95	35.65	4.82	40.08	5.37	42.35	5.86
	10	23.50	3.58	27.59	3.91	33.03	4.38	33.50	5.03	35.65	4.91	40.08	5.47	42.35	5.95
	12	23.50	3.65	27.59	4.00	33.03	4.54	33.50	5.13	35.65	5.01	40.08	5.58	41.75	5.99
	14	23.50	3.73	27.59	4.08	33.03	4.76	33.50	5.45	35.65	5.10	40.08	5.70	41.28	6.07
	16	23.50	3.80	27.59	4.18	33.03	4.87	33.50	5.59	35.65	5.21	39.84	5.77	40.68	6.14
	18	23.50	3.87	27.59	4.26	33.03	5.06	33.50	5.81	35.65	5.32	39.36	5.98	40.20	6.30
	20	23.50	3.96	27.59	4.41	33.03	5.48	33.50	6.21	35.65	5.72	38.76	6.28	39.60	6.61
	21	23.50	3.99	27.59	4.59	33.03	5.87	33.50	6.58	35.65	5.93	38.53	6.44	39.36	6.77
	23	23.50	4.27	27.59	4.95	33.03	6.31	33.50	7.04	35.65	6.38	38.05	6.75	38.76	7.09
	25	23.50	4.57	27.59	5.34	33.03	6.81	33.50	7.39	35.65	6.85	37.45	7.07	38.28	7.40
	27	23.50	4.89	27.59	5.74	33.03	7.21	33.50	7.91	35.65	7.35	36.85	7.39	37.69	7.73
	29	23.50	5.23	27.59	6.17	33.03	7.76	33.50	8.06	35.53	7.82	36.37	7.71	37.21	8.04
	31	23.50	5.59	27.59	6.62	33.03	8.29	33.50	8.21	35.05	8.14	35.77	8.03	36.61	8.37
	33	23.50	5.97	27.59	7.09	33.03	8.69	33.50	8.45	34.46	8.45	35.30	8.34	36.13	8.70
	35	23.50	6.36	27.59	7.60	33.03	8.87	33.50	9.00	33.86	8.77	34.70	8.67	35.53	9.01
	37	23.50	6.78	27.59	8.13	33.03	8.93	32.90	9.08	33.50	9.09	34.22	9.00	34.94	9.34
	39	23.50	7.22	27.59	8.69	33.03	9.09	32.44	9.09	33.50	9.41	33.62	9.31	34.46	9.68
	41	23.50	7.49	27.59	9.03	33.03	9.23	32.23	9.23	33.50	9.56	33.04	9.54	33.96	9.88
	43	23.50	7.76	27.59	9.21	33.03	9.29	32.12	9.29	33.50	9.65	33.23	9.61	33.36	10.00
	45	23.50	8.12	27.59	9.37	33.03	9.38	31.91	9.38	33.50	9.83	32.95	9.76	32.69	10.13
	48	23.01	8.35	27.39	9.32	31.89	9.44	31.58	9.44	33.50	9.94	31.48	9.80	32.53	10.16
90%	-5	20.34	2.41	24.29	2.74	28.24	3.19	30.15	3.57	32.06	3.96	36.01	4.55	39.96	5.21
	-2	20.34	2.43	24.29	2.77	28.24	3.23	30.15	3.62	32.06	4.00	36.01	4.59	39.96	5.26
	0	20.34	2.47	24.29	2.81	28.24	3.28	30.15	3.67	32.06	4.06	36.01	4.65	39.96	5.30
	2	20.34	2.50	24.29	2.85	28.24	3.32	30.15	3.73	32.06	4.12	36.01	4.74	39.96	5.38
	4	20.34	2.54	24.29	2.89	28.24	3.38	30.15	3.78	32.06	4.17	36.01	4.82	39.96	5.46
	6	20.34	2.58	24.29	2.95	28.24	3.45	30.15	3.85	32.06	4.25	36.01	4.89	39.96	5.55
	8	20.34	2.63	24.29	3.01	28.24	3.52	30.15	3.90	32.06	4.32	36.01	4.98	39.96	5.60
	10	20.34	2.68	24.29	3.08	28.24	3.59	30.15	3.97	32.06	4.42	36.01	5.05	39.96	5.69
	12	20.34	2.72	24.29	3.14	28.24	3.66	30.15	4.03	32.06	4.50	36.01	5.14	39.96	5.80
	14	20.34	2.77	24.29	3.19	28.24	3.73	30.15	4.12	32.06	4.58	36.01	5.24	39.96	5.90
	16	20.34	2.82	24.29	3.25	28.24	3.81	30.15	4.20	32.06	4.67	36.01	5.34	39.96	6.01
	18	20.34	2.86	24.29	3.32	28.24	3.88	30.15	4.28	32.06	4.77	36.01	5.45	39.96	6.19
	20	20.34	2.92	24.29	3.40	28.24	3.96	30.15	4.37	32.06	4.94	36.01	5.86	39.96	6.49
	21	20.34	2.95	24.29	3.43	28.24	4.03	30.15	4.71	32.06	5.12	36.01	6.07	39.96	6.64
	23	20.34	3.00	24.29	3.57	28.24	4.34	30.15	5.11	32.06	5.49	36.01	6.51	39.96	6.94
	25	20.34	3.17	24.29	3.83	28.24	4.65	30.15	5.35	32.06	5.87	36.01	6.97	39.96	7.25
	27	20.34	3.37	24.29	4.08	28.24	4.98	30.15	5.77	32.06	6.28	36.01	7.46	39.96	7.55
	29	20.34	3.59	24.29	4.36	28.24	5.33	30.15	6.09	32.06	6.71	36.01	7.80	39.96	7.85
	31	20.34	3.81	24.29	4.66	28.24	5.69	30.15	6.59	32.06	7.15	36.01	8.10	39.96	8.17
	33	20.34	4.04	24.29	4.96	28.24	6.09	30.15	7.09	32.06	7.63	36.01	8.41	39.96	8.47
	35	20.34	4.30	24.29	5.29	28.24	6.50	30.15	7.41	32.06	8.13	36.01	8.72	39.96	8.79
	37	20.34	4.56	24.29	5.63	28.24	6.93	30.15	7.74	32.06	8.67	36.01	9.02	39.96	9.09
	39	20.34	4.84	24.29	6.00	28.24	7.39	30.15	7.87	32.06	9.23	36.01	9.34	39.96	9.41
	41	20.34	5.01	24.29	6.28	28.24	7.66	30.15	8.01	32.06	9.29	36.01	9.58	39.96	9.63
	43	20.34	5.25	24.29	6.56	28.24	7.94	30.15	8.17	32.06	9.49	36.01	9.70	39.96	9.78
	45	20.34	5.58	24.29	6.89	28.24	8.28	30.15	8.31	32.06	9.75	36.01	9.80	39.96	9.91
	48	20.34	5.03	24.29	6.14	28.24	7.31	30.15	8.38	32.06	8.40	36.01	8.49	39.96	8.58
80%	-5	18.07	2.14	21.54	2.53	25.00	2.87	26.80	2.52	28.60	3.43	32.06	3.96	35.53	4.52
	-2	18.07	2.17	21.54	2.56	25.00	2.89	26.80	2.53	28.60	3.46	32.06	4.00	35.53	4.57
	0	18.07	2.21	21.54	2.59	25.00	2.93	26.80	2.59	28.60	3.52	32.06	4.06	35.53	4.63
	2	18.07	2.25	21.54	2.63	25.00	2.97	26.80	2.70	28.60	3.58	32.06	4.14	35.53	4.72
	4	18.07	2.29	21.54	2.67	25.00	3.03	26.80	2.70	28.60	3.65	32.06	4.21	35.53	4.78
	6	18.07	2.33	21.54	2.74	25.00	3.08	26.80	2.78	28.60	3.72	32.06	4.28	35.53	4.86
	8	18.07	2.37	21.54	2.80	25.00	3.16	26.80	2.89	28.60	3.80	32.06	4.34	35.53	4.96
	10	18.07	2.39	21.54	2.86	25.00	3.24	26.80	2.92	28.60	3.89	32.06	4.44	35.53	5.01
	12	18.07	2.43	21.54	2.91	25.00	3.30	26.80	2.99	28.60	3.97	32.06	4.52	35.53	5.10
	14	18.07	2.47	21.54	2.97	25.00	3.36	26.80	3.05	28.60	4.04	32.06	4.60	35.53	5.19
	16	18.07	2.51	21.54	3.02	25.00	3.43	26.80	3.12	28.60	4.11	32.06	4.70	35.53	5.29
	18	18.07	2.56	21.54	3.07	25.00	3.50	26.80	3.24	28.60	4.19	32.06	4.79	35.53	5.39
	20	18.07	2.60	21.54	3.13	25.00	3.57	26.80	3.52	28.60	4.28	32.06	4.97	35.53	5.77
	21	18.07	2.63	21.54	3.16	25.00	3.61	26.80	3.78	28.60	4.37	32.06	5.15	35.53	5.98
	23	18.07	2.67	21.54	3.23	25.00	3.78	26.80	4.10	28.60	4.68	32.06	5.51	35.53	6.42
	25	18.07	2.76	21.54	3.43	25.00	4.06	26.80	4.41	28.60	4.99	32.06	5.90	35.53	6.87
	27	18.07	2.93	21.54	3.65	25.00	4.33	26.80	4.90	28.60	5.34	32.06	6.30	35.53	7.35
	29	18.07	3.12	21.54	3.89	25.00	4.62	26.80	5.04	28.60	5.70	32.06	6.73	35.53	7.86
	31	18.07	3.31	21.54	4.13	25.00	4.93	26.80	5.39	28.60	6.08	32.06	7.18	35.53	8.16
	33	18.07	3.52	21.54	4.39	25.00	5.26	26.80	5.74	28.60	6.47	32.06	7.66	35.53	8.47
	35	18.07	3.73	21.54	4.68	25.00	5.60	26.80	6.29	28.60	6.89	32.06	8.16	35.53	8.77
	37	18.07	3.96	21.54	4.96	25.00	5.96	26.80	6.39	28.60	7.34	32.06	8.70	35.53	9.08
	39	18.07	4.19	21.54	5.29	25.00	6.35	26.80	6.47	28.60	7.81	32.06	9.27	35.53	9.40
	41	18.07	4.29	21.54	5.34	25.00	6.45	26.80	6.58	28.60	7.95	32.06	9.50	35.53	9.56
	43	18.07	4.41	21.54	5.38	25.00	6.54	26.80	6.65	28.60	8.06	32.06	9.61	35.53	9.67
	45	18.07	4.54	21.54	5.45	25.00	6.67	26.80	6.74	28.60	8.20	32.06	9.72	35.53	9.82
	48	18.07	3.95	21.54	4.62	25.00	5.69	26.80	6.89	28.60	6.97	32.06	8.27	35.53	8.39

Cooling capacity tables

12HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
70%	-5	15.79	1.88	18.90	2.20	21.90	2.39	23.45	2.56	25.00	2.86	28.00	3.27	31.11	3.76
	-2	15.79	1.90	18.90	2.21	21.90	2.41	23.45	2.57	25.00	2.91	28.00	3.32	31.11	3.81
	0	15.79	1.91	18.90	2.25	21.90	2.46	23.45	2.58	25.00	2.96	28.00	3.39	31.11	3.86
	2	15.79	1.92	18.90	2.26	21.90	2.50	23.45	2.65	25.00	3.01	28.00	3.46	31.11	3.92
	4	15.79	1.94	18.90	2.31	21.90	2.56	23.45	2.69	25.00	3.08	28.00	3.52	31.11	4.02
	6	15.79	1.97	18.90	2.35	21.90	2.63	23.45	2.75	25.00	3.15	28.00	3.58	31.11	4.09
	8	15.79	2.01	18.90	2.42	21.90	2.69	23.45	2.79	25.00	3.22	28.00	3.68	31.11	4.17
	10	15.79	2.05	18.90	2.46	21.90	2.76	23.45	2.84	25.00	3.31	28.00	3.76	31.11	4.22
	12	15.79	2.10	18.90	2.49	21.90	2.82	23.45	2.89	25.00	3.36	28.00	3.83	31.11	4.30
	14	15.79	2.13	18.90	2.54	21.90	2.87	23.45	2.99	25.00	3.42	28.00	3.90	31.11	4.38
	16	15.79	2.17	18.90	2.59	21.90	2.92	23.45	3.00	25.00	3.49	28.00	3.97	31.11	4.47
	18	15.79	2.20	18.90	2.63	21.90	2.98	23.45	3.01	25.00	3.55	28.00	4.05	31.11	4.56
	20	15.79	2.24	18.90	2.68	21.90	3.04	23.45	3.20	25.00	3.62	28.00	4.13	31.11	4.69
	21	15.79	2.26	18.90	2.70	21.90	3.06	23.45	3.43	25.00	3.65	28.00	4.19	31.11	4.85
	23	15.79	2.30	18.90	2.75	21.90	3.13	23.45	3.62	25.00	3.84	28.00	4.49	31.11	5.20
	25	15.79	2.34	18.90	2.86	21.90	3.34	23.45	3.88	25.00	4.09	28.00	4.80	31.11	5.56
	27	15.79	2.48	18.90	3.05	21.90	3.57	23.45	4.21	25.00	4.37	28.00	5.13	31.11	5.94
	29	15.79	2.63	18.90	3.24	21.90	3.81	23.45	4.35	25.00	4.65	28.00	5.46	31.11	6.34
	31	15.79	2.78	18.90	3.43	21.90	4.06	23.45	4.64	25.00	4.95	28.00	5.82	31.11	6.76
	33	15.79	2.96	18.90	3.65	21.90	4.33	23.45	4.92	25.00	5.28	28.00	6.21	31.11	7.21
	35	15.79	3.13	18.90	3.87	21.90	4.59	23.45	5.15	25.00	5.61	28.00	6.61	31.11	7.69
	37	15.79	3.31	18.90	4.11	21.90	4.90	23.45	5.23	25.00	5.97	28.00	7.04	31.11	8.19
	39	15.79	3.50	18.90	4.35	21.90	5.20	23.45	5.31	25.00	6.34	28.00	7.48	31.11	8.72
	41	15.79	3.66	18.90	4.50	21.90	5.35	23.45	5.57	25.00	6.54	28.00	7.79	31.11	9.11
	43	15.79	3.96	18.90	4.81	21.90	5.58	23.45	5.79	25.00	6.73	28.00	8.07	31.11	9.39
	45	15.79	4.04	18.90	4.92	21.90	5.70	23.45	5.95	25.00	7.07	28.00	8.51	31.11	9.75
	48	15.79	2.90	18.90	3.47	21.90	4.00	23.45	6.07	25.00	5.08	28.00	6.23	31.11	6.99
60%	-5	13.52	1.53	16.15	1.78	18.78	2.07	20.10	2.21	21.42	2.38	24.05	2.67	26.68	3.07
	-2	13.52	1.54	16.15	1.80	18.78	2.11	20.10	2.24	21.42	2.41	24.05	2.71	26.68	3.09
	0	13.52	1.56	16.15	1.83	18.78	2.14	20.10	2.27	21.42	2.45	24.05	2.75	26.68	3.13
	2	13.52	1.59	16.15	1.87	18.78	2.18	20.10	2.31	21.42	2.48	24.05	2.81	26.68	3.17
	4	13.52	1.64	16.15	1.90	18.78	2.22	20.10	2.34	21.42	2.52	24.05	2.85	26.68	3.21
	6	13.52	1.65	16.15	1.94	18.78	2.26	20.10	2.39	21.42	2.57	24.05	2.91	26.68	3.29
	8	13.52	1.68	16.15	1.97	18.78	2.30	20.10	2.43	21.42	2.62	24.05	2.97	26.68	3.34
	10	13.52	1.72	16.15	2.02	18.78	2.34	20.10	2.50	21.42	2.67	24.05	3.02	26.68	3.39
	12	13.52	1.75	16.15	2.05	18.78	2.38	20.10	2.55	21.42	2.71	24.05	3.08	26.68	3.44
	14	13.52	1.77	16.15	2.08	18.78	2.41	20.10	2.59	21.42	2.77	24.05	3.13	26.68	3.51
	16	13.52	1.79	16.15	2.12	18.78	2.46	20.10	2.64	21.42	2.81	24.05	3.19	26.68	3.58
	18	13.52	1.83	16.15	2.15	18.78	2.50	20.10	2.68	21.42	2.87	24.05	3.25	26.68	3.64
	20	13.52	1.85	16.15	2.19	18.78	2.55	20.10	2.74	21.42	2.92	24.05	3.31	26.68	3.72
	21	13.52	1.87	16.15	2.20	18.78	2.57	20.10	2.93	21.42	2.95	24.05	3.35	26.68	3.75
	23	13.52	1.89	16.15	2.25	18.78	2.61	20.10	3.13	21.42	3.00	24.05	3.48	26.68	4.00
	25	13.52	1.93	16.15	2.28	18.78	2.71	20.10	3.31	21.42	3.19	24.05	3.71	26.68	4.26
	27	13.52	2.00	16.15	2.43	18.78	2.89	20.10	3.52	21.42	3.40	24.05	3.95	26.68	4.55
	29	13.52	2.12	16.15	2.57	18.78	3.08	20.10	3.61	21.42	3.62	24.05	4.22	26.68	4.86
	31	13.52	2.25	16.15	2.72	18.78	3.27	20.10	3.81	21.42	3.85	24.05	4.49	26.68	5.17
	33	13.52	2.37	16.15	2.89	18.78	3.47	20.10	3.98	21.42	4.10	24.05	4.77	26.68	5.52
	35	13.52	2.51	16.15	3.07	18.78	3.68	20.10	4.01	21.42	4.35	24.05	5.08	26.68	5.87
	37	13.52	2.66	16.15	3.25	18.78	3.90	20.10	4.25	21.42	4.62	24.05	5.41	26.68	6.25
	39	13.52	2.80	16.15	3.43	18.78	4.13	20.10	4.51	21.42	4.91	24.05	5.74	26.68	6.65
	41	13.52	2.89	16.15	3.58	18.78	4.28	20.10	4.69	21.42	5.09	24.05	6.01	26.68	6.95
	43	13.52	2.98	16.15	3.73	18.78	4.43	20.10	4.83	21.42	5.26	24.05	6.26	26.68	7.25
	45	13.52	3.12	16.15	3.92	18.78	4.61	20.10	5.01	21.42	5.53	24.05	6.54	26.68	7.65
	48	13.52	2.20	16.15	2.78	18.78	3.23	20.10	3.48	21.42	3.89	24.05	4.60	26.68	5.43
50%	-5	11.31	1.34	13.52	1.48	15.67	1.66	16.75	1.89	17.83	1.96	19.98	2.23	22.25	2.40
	-2	11.31	1.34	13.52	1.51	15.67	1.68	16.75	1.94	17.83	1.99	19.98	2.26	22.25	2.43
	0	11.31	1.37	13.52	1.54	15.67	1.70	16.75	1.94	17.83	2.02	19.98	2.30	22.25	2.48
	2	11.31	1.39	13.52	1.56	15.67	1.73	16.75	1.95	17.83	2.05	19.98	2.31	22.25	2.52
	4	11.31	1.40	13.52	1.59	15.67	1.76	16.75	1.95	17.83	2.09	19.98	2.36	22.25	2.59
	6	11.31	1.43	13.52	1.61	15.67	1.78	16.75	1.97	17.83	2.13	19.98	2.40	22.25	2.66
	8	11.31	1.46	13.52	1.64	15.67	1.80	16.75	1.98	17.83	2.16	19.98	2.44	22.25	2.75
	10	11.31	1.49	13.52	1.66	15.67	1.83	16.75	1.96	17.83	2.22	19.98	2.50	22.25	2.79
	12	11.31	1.50	13.52	1.68	15.67	1.86	16.75	1.97	17.83	2.27	19.98	2.55	22.25	2.84
	14	11.31	1.52	13.52	1.70	15.67	1.96	16.75	1.98	17.83	2.30	19.98	2.59	22.25	2.89
	16	11.31	1.55	13.52	1.73	15.67	1.99	16.75	1.99	17.83	2.34	19.98	2.64	22.25	2.94
	18	11.31	1.57	13.52	1.76	15.67	2.03	16.75	2.00	17.83	2.38	19.98	2.68	22.25	2.99
	20	11.31	1.59	13.52	1.78	15.67	2.06	16.75	2.02	17.83	2.42	19.98	2.72	22.25	3.05
	21	11.31	1.60	13.52	1.80	15.67	2.08	16.75	2.20	17.83	2.45	19.98	2.76	22.25	3.08
	23	11.31	1.62	13.52	1.83	15.67	2.12	16.75	2.34	17.83	2.49	19.98	2.80	22.25	3.15
	25	11.31	1.65	13.52	1.86	15.67	2.16	16.75	2.49	17.83	2.57	19.98	2.95	22.25	3.36
	27	11.31	1.68	13.52	1.94	15.67	2.28	16.75	2.71	17.83	2.72	19.98	3.14	22.25	3.58
	29	11.31	1.77	13.52	2.05	15.67	2.43	16.75	2.85	17.83	2.90	19.98	3.34	22.25	3.81
	31	11.31	1.87	13.52	2.17	15.67	2.57	16.75	2.95	17.83	3.08	19.98	3.55	22.25	4.06
	33	11.31	1.98	13.52	2.30	15.67	2.74	16.75	3.11	17.83	3.27	19.98	3.77	22.25	4.31
	35	11.31	2.09	13.52	2.44	15.67	2.89	16.75	3.20	17.83	3.46	19.98	4.00	22.25	4.58
	37	11.31	2.20	13.52	2.58	15.67	3.07	16.75	3.23	17.83	3.67	19.98	4.25	22.25	4.87
	39	11.31	2.32	13.52	2.73	15.67	3.25	16.75	3.24	17.83	3.89	19.98	4.50	22.25	5.17
	41	11.31	2.42	13.52	2.85	15.67	3.37	16.75	3.30	17.83	4.06	19.98	4.74	22.25	5.41
	43	11.31	2.58	13.52	3.05	15.67	3.49	16.75	3.39	17.83	4.16	19.98	4.98	22.25	5.65
	45	11.31	2.64	13.52	3.13	15.67	3.73	16.75	3.49	17.83	4.34	19.98	5.46	22.25	6.13
	48	11.31	1.75	13.52	2.06	15.67	2.54	16.75	3.53	17.83	2.94	19.98	3.83	22.25	4.28

Cooling capacity tables

12HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
40%	-5	9.16	1.06	10.89	1.24	12.83	1.41	13.40	1.48	15.11	1.56	16.75	1.78	18.74	1.92
	-2	9.16	1.07	10.89	1.26	12.83	1.44	13.40	1.50	15.11	1.59	16.75	1.79	18.74	1.95
	0	9.16	1.08	10.89	1.28	12.83	1.45	13.40	1.52	15.11	1.62	16.75	1.83	18.74	2.00
	2	9.16	1.10	10.89	1.30	12.83	1.48	13.40	1.55	15.11	1.65	16.75	1.86	18.74	2.06
	4	9.16	1.13	10.89	1.32	12.83	1.50	13.40	1.59	15.11	1.67	16.75	1.89	18.74	2.13
	6	9.16	1.15	10.89	1.33	12.83	1.52	13.40	1.61	15.11	1.72	16.75	1.94	18.74	2.16
	8	9.16	1.16	10.89	1.35	12.83	1.55	13.40	1.65	15.11	1.76	16.75	1.97	18.74	2.20
	10	9.16	1.18	10.89	1.37	12.83	1.57	13.40	1.68	15.11	1.78	16.75	2.01	18.74	2.24
	12	9.16	1.20	10.89	1.39	12.83	1.59	13.40	1.71	15.11	1.81	16.75	2.04	18.74	2.27
	14	9.16	1.21	10.89	1.41	12.83	1.62	13.40	1.73	15.11	1.84	16.75	2.06	18.74	2.32
	16	9.16	1.23	10.89	1.43	12.83	1.65	13.40	1.76	15.11	1.88	16.75	2.08	18.74	2.36
	18	9.16	1.24	10.89	1.45	12.83	1.66	13.40	1.77	15.11	1.89	16.75	2.08	18.74	2.39
	20	9.16	1.26	10.89	1.46	12.83	1.69	13.40	1.81	15.11	1.93	16.75	2.11	18.74	2.44
	21	9.16	1.27	10.89	1.49	12.83	1.72	13.40	1.84	15.11	1.99	16.75	2.14	18.74	2.60
	23	9.16	1.30	10.89	1.53	12.83	1.77	13.40	1.85	15.11	2.11	16.75	2.17	18.74	2.77
	25	9.16	1.32	10.89	1.56	12.83	1.78	13.40	1.86	15.11	2.25	16.75	2.22	18.74	2.95
	27	9.16	1.32	10.89	1.57	12.83	1.79	13.40	1.92	15.11	2.39	16.75	2.29	18.74	3.14
	29	9.16	1.38	10.89	1.63	12.83	1.82	13.40	1.94	15.11	2.53	16.75	4.93	18.74	3.34
	31	9.16	1.42	10.89	1.64	12.83	1.82	13.40	2.04	15.11	2.68	16.75	2.54	18.74	3.55
	33	9.16	1.46	10.89	1.68	12.83	1.88	13.40	2.14	15.11	2.84	16.75	2.82	18.74	3.77
	35	9.16	1.53	10.89	1.72	12.83	1.94	13.40	2.48	15.11	3.01	16.75	3.01	18.74	3.96
	37	9.16	1.60	10.89	1.81	12.83	2.02	13.40	2.53	15.11	3.03	16.75	3.14	18.74	3.98
	39	9.16	1.65	10.89	2.02	12.83	2.17	13.40	2.59	15.11	3.39	16.75	3.28	18.74	4.03
	41	9.16	1.67	10.89	2.41	12.83	2.27	13.40	2.62	15.11	3.36	16.75	3.47	18.74	4.21
	43	9.16	1.71	10.89	2.52	12.83	2.53	13.40	2.68	15.11	3.44	16.75	3.49	18.74	4.30
	45	9.16	1.73	10.89	3.10	12.83	2.86	13.40	2.63	15.11	3.39	16.75	3.80	18.74	4.70
	48	9.16	1.71	10.89	1.86	12.83	1.96	13.40	2.62	15.11	2.36	16.75	3.07	18.74	4.09
30%	-5	7.05	0.78	8.39	0.87	9.37	0.96	10.05	1.04	10.91	1.17	11.27	1.32	12.07	1.44
	-2	7.05	0.80	8.39	0.88	9.37	0.97	10.05	1.07	10.91	1.19	11.27	1.34	12.07	1.49
	0	7.05	0.81	8.39	0.90	9.37	0.99	10.05	1.09	10.91	1.21	11.27	1.36	12.07	1.53
	2	7.05	0.83	8.39	0.91	9.37	1.01	10.05	1.11	10.91	1.24	11.27	1.40	12.07	1.56
	4	7.05	0.84	8.39	0.92	9.37	1.03	10.05	1.13	10.91	1.27	11.27	1.42	12.07	1.58
	6	7.05	0.85	8.39	0.93	9.37	1.04	10.05	1.16	10.91	1.28	11.27	1.45	12.07	1.61
	8	7.05	0.86	8.39	0.95	9.37	1.06	10.05	1.17	10.91	1.30	11.27	1.47	12.07	1.64
	10	7.05	0.88	8.39	0.96	9.37	1.08	10.05	1.20	10.91	1.33	11.27	1.50	12.07	1.67
	12	7.05	0.89	8.39	0.98	9.37	1.10	10.05	1.23	10.91	1.35	11.27	1.52	12.07	1.70
	14	7.05	0.89	8.39	0.99	9.37	1.11	10.05	1.25	10.91	1.37	11.27	1.54	12.07	1.72
	16	7.05	0.91	8.39	1.00	9.37	1.13	10.05	1.27	10.91	1.39	11.27	1.56	12.07	1.76
	18	7.05	0.92	8.39	1.02	9.37	1.15	10.05	1.29	10.91	1.43	11.27	1.64	12.07	1.87
	20	7.05	0.94	8.39	1.06	9.37	1.22	10.05	1.34	10.91	1.52	11.27	1.75	12.07	2.00
	21	7.05	0.99	8.39	1.13	9.37	1.30	10.05	1.41	10.91	1.62	11.27	1.86	12.07	2.09
	23	7.05	1.04	8.39	1.02	9.37	1.38	10.05	1.47	10.91	1.72	11.27	1.98	12.07	2.20
	25	7.05	1.10	8.39	1.19	9.37	1.47	10.05	1.55	10.91	1.82	11.27	2.10	12.07	2.32
	27	7.05	1.17	8.39	1.34	9.37	1.56	10.05	1.63	10.91	1.93	11.27	2.15	12.07	2.36
	29	7.05	1.23	8.39	1.42	9.37	1.66	10.05	1.70	10.91	2.05	11.27	2.21	12.07	2.45
	31	7.05	1.30	8.39	1.50	9.37	1.76	10.05	1.75	10.91	2.17	11.27	2.30	12.07	2.50
	33	7.05	1.35	8.39	1.57	9.37	1.83	10.05	1.78	10.91	2.27	11.27	2.36	12.07	2.51
	35	7.05	1.44	8.39	1.68	9.37	1.89	10.05	1.79	10.91	2.32	11.27	2.44	12.07	2.57
	37	7.05	1.47	8.39	1.73	9.37	2.03	10.05	1.88	10.91	2.42	11.27	2.49	12.07	2.67
	39	7.05	1.52	8.39	1.79	9.37	2.17	10.05	1.93	10.91	2.50	11.27	2.54	12.07	2.75
	41	7.05	1.64	8.39	1.96	9.37	2.29	10.05	2.00	10.91	2.51	11.27	2.62	12.07	2.86
	43	7.05	1.79	8.39	2.16	9.37	2.41	10.05	2.06	10.91	2.61	11.27	2.71	12.07	2.90
	45	7.05	2.02	8.39	2.21	9.37	2.42	10.05	2.11	10.91	2.68	11.27	2.79	12.07	2.97
	48	7.05	1.76	8.39	1.66	9.37	1.74	10.05	2.15	10.91	1.93	11.27	1.94	12.07	2.17
20%	-5	4.87	0.50	5.79	0.54	6.86	0.61	6.70	0.68	8.47	0.72	8.95	0.82	10.23	0.93
	-2	4.87	0.51	5.79	0.54	6.86	0.62	6.70	0.70	8.47	0.75	8.95	0.84	10.23	0.95
	0	4.87	0.51	5.79	0.55	6.86	0.63	6.70	0.72	8.47	0.76	8.95	0.86	10.23	0.96
	2	4.87	0.52	5.79	0.56	6.86	0.64	6.70	0.73	8.47	0.77	8.95	0.88	10.23	0.98
	4	4.87	0.53	5.79	0.57	6.86	0.65	6.70	0.75	8.47	0.79	8.95	0.89	10.23	1.00
	6	4.87	0.54	5.79	0.58	6.86	0.66	6.70	0.76	8.47	0.80	8.95	0.91	10.23	1.02
	8	4.87	0.54	5.79	0.59	6.86	0.68	6.70	0.78	8.47	0.82	8.95	0.92	10.23	1.04
	10	4.87	0.55	5.79	0.60	6.86	0.68	6.70	0.79	8.47	0.82	8.95	0.94	10.23	1.05
	12	4.87	0.55	5.79	0.60	6.86	0.70	6.70	0.80	8.47	0.84	8.95	0.95	10.23	1.07
	14	4.87	0.56	5.79	0.62	6.86	0.71	6.70	0.81	8.47	0.87	8.95	1.00	10.23	1.15
	16	4.87	0.57	5.79	0.64	6.86	0.75	6.70	0.83	8.47	0.92	8.95	1.07	10.23	1.23
	18	4.87	0.61	5.79	0.68	6.86	0.81	6.70	0.85	8.47	0.99	8.95	1.14	10.23	1.31
	20	4.87	0.64	5.79	0.62	6.86	0.86	6.70	0.89	8.47	1.05	8.95	1.22	10.23	1.33
	21	4.87	0.68	5.79	0.73	6.86	0.92	6.70	0.91	8.47	1.12	8.95	1.27	10.23	1.40
	23	4.87	0.72	5.79	0.82	6.86	0.97	6.70	0.95	8.47	1.18	8.95	1.31	10.23	1.44
	25	4.87	0.76	5.79	0.87	6.86	1.04	6.70	0.99	8.47	1.26	8.95	1.32	10.23	1.50
	27	4.87	0.80	5.79	0.92	6.86	1.10	6.70	1.04	8.47	1.34	8.95	1.36	10.23	1.55
	29	4.87	0.84	5.79	0.97	6.86	1.14	6.70	1.07	8.47	1.40	8.95	1.43	10.23	1.55
	31	4.87	0.89	5.79	1.04	6.86	1.18	6.70	1.11	8.47	1.44	8.95	1.46	10.23	1.63
	33	4.87	0.92	5.79	1.07	6.86	1.27	6.70	1.14	8.47	1.50	8.95	1.53	10.23	1.66
	35	4.87	0.95	5.79	1.11	6.86	1.36	6.70	1.14	8.47	1.58	8.95	1.57	10.23	1.70
	37	4.87	1.02	5.79	1.22	6.86	1.44	6.70	1.20	8.47	1.63	8.95	1.59	10.23	1.77
	39	4.87	1.12	5.79	1.34	6.86	1.51	6.70	1.23	8.47	1.76	8.95	1.66	10.23	1.81
	41	4.87	1.26	5.79	1.38	6.86	1.52	6.70	1.28	8.47	1.78	8.95	1.69	10.23	1.87
	43	4.87	1.33	5.79	1.42	6.86	1.56	6.70	1.31	8.47	1.81	8.95	1.74	10.23	1.92
	45	4.87	1.36	5.79	1.46	6.86	1.59	6.70	1.35	8.47	1.89	8.95	1.80	10.23	1.99
	48	4.87	1.15	5.79	1.17	6.86	1.29	6.70	1.37	8.47	1.21	8.95	1.12	10.23	1.40

Cooling capacity tables

12HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
10%	-5	2.52	0.25	3.02	0.30	4.76	0.34	3.35	0.30	4.36	0.38	4.66	0.43	5.31	0.47
	-2	2.52	0.26	3.02	0.30	4.76	0.34	3.35	0.30	4.36	0.39	4.66	0.44	5.31	0.49
	0	2.52	0.26	3.02	0.30	4.76	0.35	3.35	0.30	4.36	0.40	4.66	0.45	5.31	0.50
	2	2.52	0.27	3.02	0.31	4.76	0.35	3.35	0.30	4.36	0.40	4.66	0.45	5.31	0.51
	4	2.52	0.27	3.02	0.31	4.76	0.36	3.35	0.30	4.36	0.41	4.66	0.46	5.31	0.52
	6	2.52	0.27	3.02	0.32	4.76	0.36	3.35	0.31	4.36	0.41	4.66	0.47	5.31	0.52
	8	2.52	0.27	3.02	0.32	4.76	0.37	3.35	0.31	4.36	0.42	4.66	0.47	5.31	0.53
	10	2.52	0.28	3.02	0.33	4.76	0.38	3.35	0.31	4.36	0.43	4.66	0.50	5.31	0.57
	12	2.52	0.28	3.02	0.34	4.76	0.40	3.35	0.31	4.36	0.44	4.66	0.53	5.31	0.61
	14	2.52	0.30	3.02	0.36	4.76	0.42	3.35	0.32	4.36	0.45	4.66	0.56	5.31	0.65
	16	2.52	0.32	3.02	0.33	4.76	0.45	3.35	0.32	4.36	0.47	4.66	0.60	5.31	0.67
	18	2.52	0.33	3.02	0.38	4.76	0.47	3.35	0.32	4.36	0.49	4.66	0.63	5.31	0.70
	20	2.52	0.35	3.02	0.42	4.76	0.50	3.35	0.32	4.36	0.52	4.66	0.65	5.31	0.70
	21	2.52	0.37	3.02	0.45	4.76	0.53	3.35	0.35	4.36	0.54	4.66	0.69	5.31	0.74
	23	2.52	0.39	3.02	0.47	4.76	0.56	3.35	0.37	4.36	0.61	4.66	0.71	5.31	0.76
	25	2.52	0.41	3.02	0.49	4.76	0.58	3.35	0.39	4.36	0.65	4.66	0.75	5.31	0.78
	27	2.52	0.44	3.02	0.53	4.76	0.60	3.35	0.42	4.36	0.69	4.66	0.76	5.31	0.81
	29	2.52	0.45	3.02	0.54	4.76	0.64	3.35	0.46	4.36	0.71	4.66	0.79	5.31	0.83
	31	2.52	0.46	3.02	0.56	4.76	0.65	3.35	0.48	4.36	0.72	4.66	0.81	5.31	0.87
	33	2.52	0.50	3.02	0.61	4.76	0.69	3.35	0.50	4.36	0.74	4.66	0.83	5.31	0.88
	35	2.52	0.54	3.02	0.67	4.76	0.71	3.35	0.54	4.36	0.76	4.66	0.86	5.31	0.92
	37	2.52	0.61	3.02	0.69	4.76	0.74	3.35	0.55	4.36	0.78	4.66	0.89	5.31	0.94
	39	2.52	0.64	3.02	0.71	4.76	0.76	3.35	0.55	4.36	0.81	4.66	0.92	5.31	0.97
	41	2.52	0.66	3.02	0.73	4.76	0.78	3.35	0.57	4.36	0.83	4.66	0.93	5.31	0.98
	43	2.52	0.69	3.02	0.75	4.76	0.81	3.35	0.58	4.36	0.86	4.66	0.96	5.31	1.03
	45	2.52	0.71	3.02	0.77	4.76	0.82	3.35	0.59	4.36	0.87	4.66	0.98	5.31	0.81
	48	2.52	0.53	3.02	0.56	4.76	0.61	3.35	0.60	4.36	0.61	4.66	0.67	5.31	0.55

Cooling capacity tables

14HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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%	-5	35.15	4.47	42.73	5.00	48.20	5.40	49.59	5.86	53.03	6.25	54.49	6.80	54.91	6.84
	-2	35.15	4.47	42.73	5.11	48.20	5.40	49.59	5.89	53.03	6.25	54.49	6.89	54.91	6.91
	0	35.15	4.54	42.73	5.21	48.20	5.61	49.59	6.23	53.03	6.62	54.49	6.97	54.91	7.00
	2	35.15	4.62	42.73	5.22	48.20	5.82	49.59	6.59	53.03	6.69	54.49	7.02	54.91	7.11
	4	35.15	4.73	42.73	5.33	48.20	6.03	49.59	6.62	53.03	6.78	54.49	7.02	54.91	7.24
	6	35.15	4.82	42.73	5.44	48.20	6.27	49.59	6.68	52.12	6.99	52.90	7.02	54.31	7.30
	8	35.15	4.93	42.73	5.58	48.20	6.61	49.59	7.02	51.60	7.22	52.33	7.05	53.61	7.37
	10	35.15	5.04	42.73	5.71	48.20	6.87	49.59	7.26	51.10	7.27	51.73	7.27	53.00	7.58
	12	35.15	5.12	42.73	5.83	48.20	7.02	49.47	7.34	49.89	7.46	51.02	7.40	52.29	7.63
	14	35.15	5.23	42.73	5.94	47.91	7.05	49.06	7.38	49.18	7.53	50.45	7.53	51.73	7.80
	16	35.15	5.32	42.73	6.08	47.35	7.25	48.21	7.53	48.47	7.68	49.75	7.70	51.02	7.92
	18	35.15	5.42	42.73	6.21	46.64	7.36	47.43	7.63	47.91	7.89	49.18	7.97	50.45	8.04
	20	35.15	5.54	42.73	6.64	45.93	7.74	46.64	8.01	47.20	8.28	48.47	8.35	49.75	8.44
	21	35.15	5.68	42.73	6.89	45.65	7.93	46.35	8.20	46.92	8.47	48.19	8.56	49.46	8.63
	23	35.15	6.10	42.73	7.42	45.08	8.32	45.65	8.58	46.21	8.85	47.48	8.94	48.76	9.03
	25	35.15	6.51	42.73	7.98	44.38	8.70	44.94	8.97	45.65	9.25	46.92	9.34	48.19	9.42
	27	35.15	6.95	42.73	8.57	43.81	9.08	44.38	9.54	44.94	9.63	46.21	9.73	47.48	9.84
	29	35.15	7.42	42.73	9.18	43.10	9.46	43.67	10.06	44.38	10.03	45.65	10.13	46.92	10.23
	31	35.15	7.92	41.27	9.74	42.40	9.86	43.10	10.55	43.67	10.41	44.94	10.53	46.21	10.65
	33	35.15	8.44	40.56	10.13	41.83	10.24	42.40	11.13	43.10	10.81	44.38	10.93	45.50	11.04
	35	35.15	9.00	39.85	10.51	41.13	10.64	41.83	11.15	42.40	11.21	43.67	11.34	44.94	11.46
	37	35.15	9.57	39.29	10.91	40.56	11.04	41.13	11.32	41.83	11.62	42.96	11.75	44.23	11.88
	39	35.15	10.19	38.58	11.03	39.85	11.42	40.56	11.72	41.13	12.02	42.40	12.15	43.67	12.29
	41	35.15	10.72	38.18	11.14	39.44	11.53	40.14	11.83	40.71	12.13	41.98	12.17	42.00	12.41
	43	35.15	11.00	37.90	11.19	39.23	11.57	39.93	11.89	40.29	12.14	41.21	12.19	41.50	12.43
	45	35.15	11.54	37.67	11.30	38.81	11.68	39.51	11.96	39.70	12.20	40.10	12.24	40.68	12.67
	48	34.77	11.95	39.01	11.68	42.31	11.79	43.09	12.07	43.44	12.34	43.25	12.45	44.04	12.48

Cooling capacity tables

14HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
120%	-5	33.00	4.29	38.31	4.64	44.55	5.37	46.41	6.03	49.94	6.43	51.08	6.98	52.21	7.17
	-2	33.00	4.33	38.31	4.70	44.55	5.43	46.41	6.07	49.94	6.51	51.08	7.04	52.21	7.20
	0	33.00	4.37	38.31	4.73	44.55	5.50	46.41	6.09	49.94	6.57	51.08	7.09	52.21	7.21
	2	33.00	4.38	38.31	4.79	44.55	5.54	46.41	6.15	49.94	6.60	51.08	7.14	52.21	7.23
	4	33.00	4.42	38.31	4.85	44.55	5.63	46.41	6.22	49.94	6.70	51.08	7.15	52.21	7.25
	6	33.00	4.47	38.31	4.90	44.55	5.71	46.41	6.29	49.94	6.78	51.08	7.22	52.21	7.27
	8	33.00	4.51	38.31	4.95	44.55	5.80	46.41	6.38	49.94	6.85	51.08	7.24	52.21	7.31
	10	33.00	4.56	38.31	5.02	44.55	5.86	46.41	6.51	49.94	6.85	51.08	7.26	52.21	7.34
	12	33.00	4.65	38.31	5.13	44.55	5.99	46.41	6.64	49.23	6.89	50.36	7.22	51.50	7.39
	14	33.00	4.74	38.31	5.24	44.55	6.12	46.41	6.79	48.52	6.93	49.80	7.33	50.93	7.48
	16	33.00	4.83	38.31	5.36	44.55	6.25	45.91	6.88	47.95	7.04	49.09	7.46	50.22	7.60
	18	33.00	4.92	38.31	5.48	44.55	6.49	45.76	7.09	47.25	7.23	48.38	7.64	49.66	7.71
	20	33.00	5.02	38.31	5.71	44.55	7.04	45.68	7.47	46.68	7.61	47.81	8.02	48.95	8.09
	21	33.00	5.06	38.31	5.93	44.55	7.32	45.68	7.94	46.25	7.80	47.53	8.21	48.67	8.29
	23	33.00	5.41	38.31	6.40	44.55	7.89	45.12	8.57	45.68	8.18	46.82	8.60	47.95	8.68
	25	33.00	5.78	38.31	6.88	43.84	8.27	44.41	8.94	44.97	8.57	46.25	8.98	47.39	9.07
	27	33.00	6.17	38.31	7.39	43.27	8.64	43.84	9.52	44.41	8.96	45.54	9.38	46.68	9.46
	29	33.00	6.58	38.31	7.94	42.56	9.02	43.13	9.92	43.70	9.34	44.83	9.77	46.11	9.86
	31	33.00	7.02	38.31	8.51	41.85	9.41	42.56	10.41	43.13	9.73	44.27	10.17	45.40	10.27
	33	33.00	7.48	38.31	9.11	41.28	9.79	41.85	10.86	42.42	10.12	43.56	10.56	44.69	10.67
	35	33.00	7.96	38.31	9.75	40.58	10.17	41.14	11.00	41.85	10.51	42.99	10.96	44.12	11.07
	37	33.00	8.47	38.31	10.42	40.01	10.57	40.58	11.07	41.14	10.91	42.28	11.35	43.42	11.48
	39	33.00	9.01	38.17	11.04	39.30	10.95	39.87	11.13	40.44	11.30	41.71	11.76	42.85	11.88
	41	33.00	9.26	37.86	11.12	38.99	11.03	39.56	11.21	40.13	11.38	41.40	11.80	41.61	11.97
	43	33.00	9.40	37.65	11.20	38.68	11.10	39.25	11.26	39.82	11.43	40.68	11.83	40.97	12.21
	45	33.00	9.51	37.45	11.31	38.31	11.21	38.84	11.37	39.47	11.52	39.86	11.87	40.56	12.48
	48	37.32	9.58	43.02	11.44	43.82	11.32	44.28	11.46	45.23	11.62	45.47	11.91	46.37	12.64
110%	-5	30.59	3.74	35.34	4.22	42.76	5.01	43.89	5.64	46.74	6.20	50.31	6.45	51.45	6.88
	-2	30.59	3.82	35.34	4.28	42.76	5.06	43.89	5.70	46.74	6.25	50.31	6.52	51.45	6.91
	0	30.59	3.85	35.34	4.31	42.76	5.10	43.89	5.74	46.74	6.33	50.31	6.58	51.45	7.00
	2	30.59	3.94	35.34	4.36	42.76	5.19	43.89	5.80	46.74	6.40	50.31	6.68	51.45	7.08
	4	30.59	4.02	35.34	4.41	42.76	5.25	43.89	5.88	46.74	6.50	50.31	6.78	51.45	7.15
	6	30.59	4.06	35.34	4.47	42.76	5.30	43.89	5.98	46.74	6.57	50.31	6.85	51.45	7.26
	8	30.59	4.09	35.34	4.54	42.76	5.37	43.89	6.05	46.74	6.65	50.31	6.90	51.45	7.34
	10	30.59	4.14	35.34	4.61	42.76	5.45	43.89	6.15	46.74	6.76	50.31	6.95	51.45	7.40
	12	30.59	4.23	35.34	4.71	42.76	5.57	43.89	6.29	46.74	6.89	49.74	7.05	50.73	7.49
	14	30.59	4.30	35.34	4.80	42.76	5.69	43.89	6.40	46.74	7.03	49.02	7.11	50.16	7.55
	16	30.59	4.38	35.34	4.90	42.76	5.80	43.89	6.54	46.74	7.17	48.45	7.20	49.45	7.63
	18	30.59	4.46	35.34	5.01	42.76	5.94	43.89	6.73	46.74	7.52	47.74	7.58	48.88	7.87
	20	30.59	4.55	35.34	5.12	42.76	6.32	43.89	7.25	46.03	7.90	47.17	7.96	48.17	8.25
	21	30.59	4.59	35.34	5.28	42.76	6.57	43.89	7.82	45.75	8.09	46.74	8.15	47.88	8.44
	23	30.59	4.81	35.34	5.69	42.76	7.08	43.89	8.32	45.04	8.46	46.18	8.55	47.17	8.84
	25	30.59	5.14	35.34	6.12	42.76	7.60	43.89	8.88	44.46	8.84	45.46	8.93	46.60	9.22
	27	30.59	5.47	35.34	6.57	42.76	8.18	43.18	9.31	43.75	9.22	44.89	9.31	45.89	9.61
	29	30.59	5.84	35.34	7.04	42.76	8.77	42.61	9.85	43.18	9.62	44.18	9.70	45.32	10.01
	31	30.59	6.22	35.34	7.54	42.76	9.40	41.90	10.40	42.47	10.00	43.61	10.08	44.60	10.40
	33	30.59	6.61	35.34	8.07	42.76	9.95	41.33	10.80	41.90	10.38	42.89	10.48	44.04	10.80
	35	30.59	7.04	35.34	8.62	40.05	10.33	40.62	10.93	41.18	10.77	42.18	10.87	43.33	11.20
	37	30.59	7.49	35.34	9.21	39.47	10.72	40.05	10.98	40.47	11.15	41.62	11.27	42.61	11.59
	39	30.59	7.96	35.34	9.84	38.76	11.10	39.33	11.38	39.91	11.55	40.90	11.66	42.04	12.00
	41	30.59	8.04	35.34	9.92	38.46	11.18	39.03	11.46	39.60	11.63	40.38	11.75	40.77	12.08
	43	30.59	8.12	35.34	10.05	38.15	11.27	38.72	11.54	39.30	11.71	40.02	11.79	40.15	12.33
	45	30.59	8.39	35.34	10.11	37.77	11.38	38.32	11.69	38.95	11.82	39.61	12.12	39.78	12.61
	48	31.90	8.63	38.04	10.93	40.06	11.38	40.59	11.69	41.44	11.87	41.94	12.08	42.26	12.67
100%	-5	28.06	3.87	32.94	4.21	39.44	4.65	40.00	5.45	42.57	5.32	47.86	5.90	50.57	6.50
	-2	28.06	3.92	32.94	4.27	39.44	4.74	40.00	5.50	42.57	5.40	47.86	5.97	50.57	6.54
	0	28.06	3.96	32.94	4.32	39.44	4.82	40.00	5.58	42.57	5.45	47.86	6.08	50.57	6.62
	2	28.06	4.02	32.94	4.37	39.44	4.93	40.00	5.63	42.57	5.52	47.86	6.18	50.57	6.73
	4	28.06	4.06	32.94	4.45	39.44	4.99	40.00	5.71	42.57	5.59	47.86	6.24	50.57	6.80
	6	28.06	4.15	32.94	4.51	39.44	5.08	40.00	5.83	42.57	5.68	47.86	6.34	50.57	6.91
	8	28.06	4.21	32.94	4.61	39.44	5.17	40.00	5.94	42.57	5.78	47.86	6.45	50.57	7.03
	10	28.06	4.30	32.94	4.69	39.44	5.25	40.00	6.03	42.57	5.89	47.86	6.56	50.57	7.13
	12	28.06	4.38	32.94	4.80	39.44	5.45	40.00	6.15	42.57	6.01	47.86	6.69	49.86	7.19
	14	28.06	4.47	32.94	4.90	39.44	5.71	40.00	6.54	42.57	6.12	47.86	6.84	49.28	7.28
	16	28.06	4.56	32.94	5.01	39.44	5.84	40.00	6.71	42.57	6.26	47.57	6.93	48.57	7.37
	18	28.06	4.65	32.94	5.12	39.44	6.07	40.00	6.97	42.57	6.39	47.00	7.17	48.00	7.56
	20	28.06	4.75	32.94	5.29	39.44	6.58	40.00	7.45	42.57	6.87	46.28	7.54	47.28	7.93
	21	28.06	4.79	32.94	5.51	39.44	7.04	40.00	7.90	42.57	7.11	46.00	7.73	47.00	8.12
	23	28.06	5.13	32.94	5.95	39.44	7.58	40.00	8.44	42.57	7.65	45.43	8.11	46.28	8.50
	25	28.06	5.49	32.94	6.41	39.44	8.17	40.00	8.87	42.57	8.22	44.72	8.48	45.71	8.88
	27	28.06	5.87	32.94	6.89	39.44	8.66	40.00	9.47	42.57	8.82	44.00	8.86	45.00	9.27
	29	28.06	6.28	32.94	7.40	39.44	9.31	40.00	9.68	42.43	9.38	43.43	9.26	44.43	9.65
	31	28.06	6.71	32.94	7.94	39.44	9.95	40.00	9.86	41.86	9.76	42.72	9.63	43.71	10.05
	33	28.06	7.16	32.94	8.51	39.44	10.43	40.00	10.13	41.14	10.14	42.14	10.01	43.14	10.44
	35	28.06	7.63	32.94	9.12	39.44	10.64	40.00	10.80	40.43	10.52	41.43	10.40	42.43	10.82
	37	28.06	8.14	32.94	9.76	39.44	10.72	39.28	10.89	40.00	10.91	40.86	10.80	41.72	11.21
	39	28.06	8.66	32.94	10.43	39.44	10.91	38.74	10.91	40.00	11.29	40.14	11.18	41.14	11.62
	41	28.06	8.99	32.94	10.83	39.44	11.07	38.48	11.07	40.00	11.47	39.45	11.45	40.54	11.86
	43	28.06	9.31	32.94	11.05	39.44	11.15	38.35	11.15	40.00	11.58	39.68	11.53	39.83	12.00
	45	28.06	9.74	32.94	11.25	39.44	11.25	38.10	11.25	40.00	11.80	39.34	11.72	39.03	12.16
	48	27.47	10.02	32.71	11.18	38.08	11.33	37.71	11.33	40.00	11.93	37.59	11.76	38.84	12.19

Cooling capacity tables

14HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
90%	-5	24.29	2.88	29.00	3.28	33.71	3.81	36.00	4.27	38.29	4.73	43.00	5.44	47.71	6.23
	-2	24.29	2.91	29.00	3.31	33.71	3.86	36.00	4.33	38.29	4.79	43.00	5.49	47.71	6.29
	0	24.29	2.95	29.00	3.36	33.71	3.92	36.00	4.38	38.29	4.85	43.00	5.55	47.71	6.34
	2	24.29	2.99	29.00	3.40	33.71	3.97	36.00	4.46	38.29	4.93	43.00	5.67	47.71	6.43
	4	24.29	3.04	29.00	3.45	33.71	4.04	36.00	4.52	38.29	4.99	43.00	5.76	47.71	6.52
	6	24.29	3.08	29.00	3.53	33.71	4.12	36.00	4.61	38.29	5.07	43.00	5.85	47.71	6.63
	8	24.29	3.14	29.00	3.60	33.71	4.21	36.00	4.67	38.29	5.16	43.00	5.96	47.71	6.70
	10	24.29	3.20	29.00	3.68	33.71	4.29	36.00	4.74	38.29	5.28	43.00	6.03	47.71	6.80
	12	24.29	3.26	29.00	3.75	33.71	4.37	36.00	4.82	38.29	5.38	43.00	6.15	47.71	6.93
	14	24.29	3.31	29.00	3.82	33.71	4.46	36.00	4.92	38.29	5.48	43.00	6.26	47.71	7.06
	16	24.29	3.37	29.00	3.89	33.71	4.55	36.00	5.02	38.29	5.59	43.00	6.38	47.71	7.18
	18	24.29	3.42	29.00	3.97	33.71	4.64	36.00	5.12	38.29	5.70	43.00	6.51	47.71	7.41
	20	24.29	3.49	29.00	4.07	33.71	4.74	36.00	5.23	38.29	5.91	43.00	7.00	47.71	7.75
	21	24.29	3.52	29.00	4.10	33.71	4.82	36.00	5.63	38.29	6.12	43.00	7.25	47.71	7.94
	23	24.29	3.59	29.00	4.27	33.71	5.18	36.00	6.11	38.29	6.57	43.00	7.78	47.71	8.30
	25	24.29	3.79	29.00	4.57	33.71	5.56	36.00	6.39	38.29	7.01	43.00	8.33	47.71	8.66
	27	24.29	4.02	29.00	4.88	33.71	5.95	36.00	6.89	38.29	7.50	43.00	8.91	47.71	9.03
	29	24.29	4.29	29.00	5.22	33.71	6.37	36.00	7.28	38.29	8.02	43.00	9.32	47.71	9.39
	31	24.29	4.55	29.00	5.57	33.71	6.80	36.00	7.88	38.29	8.55	43.00	9.68	47.71	9.77
	33	24.29	4.83	29.00	5.93	33.71	7.28	36.00	8.47	38.29	9.12	43.00	10.06	47.71	10.13
	35	24.29	5.14	29.00	6.32	33.71	7.77	36.00	8.86	38.29	9.72	43.00	10.42	47.71	10.51
	37	24.29	5.45	29.00	6.73	33.71	8.29	36.00	9.25	38.29	10.37	43.00	10.79	47.71	10.87
	39	24.29	5.78	29.00	7.17	33.71	8.83	36.00	9.41	38.29	11.04	43.00	11.16	47.71	11.25
	41	24.29	5.98	29.00	7.50	33.71	9.16	36.00	9.58	38.29	11.10	43.00	11.45	47.71	11.51
	43	24.29	6.27	29.00	7.84	33.71	9.49	36.00	9.76	38.29	11.34	43.00	11.60	47.71	11.69
	45	24.29	6.67	29.00	8.24	33.71	9.89	36.00	9.93	38.29	11.66	43.00	11.72	47.71	11.85
	48	24.29	6.02	29.00	7.34	33.71	8.74	36.00	10.02	38.29	10.04	43.00	10.15	47.71	10.26
80%	-5	21.57	2.47	25.72	2.92	29.86	3.31	32.00	2.91	34.14	3.96	38.28	4.57	42.43	5.22
	-2	21.57	2.50	25.72	2.95	29.86	3.34	32.00	2.92	34.14	3.99	38.28	4.62	42.43	5.27
	0	21.57	2.55	25.72	2.99	29.86	3.38	32.00	2.98	34.14	4.07	38.28	4.68	42.43	5.34
	2	21.57	2.60	25.72	3.03	29.86	3.43	32.00	3.11	34.14	4.14	38.28	4.78	42.43	5.44
	4	21.57	2.64	25.72	3.09	29.86	3.50	32.00	3.12	34.14	4.21	38.28	4.86	42.43	5.52
	6	21.57	2.69	25.72	3.16	29.86	3.56	32.00	3.21	34.14	4.29	38.28	4.94	42.43	5.61
	8	21.57	2.74	25.72	3.23	29.86	3.64	32.00	3.33	34.14	4.38	38.28	5.01	42.43	5.72
	10	21.57	2.76	25.72	3.30	29.86	3.74	32.00	3.37	34.14	4.49	38.28	5.13	42.43	5.78
	12	21.57	2.80	25.72	3.36	29.86	3.81	32.00	3.45	34.14	4.58	38.28	5.22	42.43	5.89
	14	21.57	2.86	25.72	3.43	29.86	3.88	32.00	3.52	34.14	4.66	38.28	5.32	42.43	6.00
	16	21.57	2.90	25.72	3.48	29.86	3.96	32.00	3.61	34.14	4.74	38.28	5.42	42.43	6.10
	18	21.57	2.95	25.72	3.55	29.86	4.04	32.00	3.73	34.14	4.84	38.28	5.53	42.43	6.23
	20	21.57	3.00	25.72	3.62	29.86	4.12	32.00	4.06	34.14	4.94	38.28	5.74	42.43	6.66
	21	21.57	3.03	25.72	3.64	29.86	4.16	32.00	4.37	34.14	5.04	38.28	5.94	42.43	6.91
	23	21.57	3.09	25.72	3.72	29.86	4.37	32.00	4.73	34.14	5.40	38.28	6.36	42.43	7.41
	25	21.57	3.18	25.72	3.96	29.86	4.68	32.00	5.09	34.14	5.76	38.28	6.81	42.43	7.93
	27	21.57	3.39	25.72	4.21	29.86	4.99	32.00	5.65	34.14	6.16	38.28	7.27	42.43	8.48
	29	21.57	3.60	25.72	4.49	29.86	5.33	32.00	5.82	34.14	6.58	38.28	7.76	42.43	9.07
	31	21.57	3.82	25.72	4.77	29.86	5.69	32.00	6.22	34.14	7.02	38.28	8.29	42.43	9.42
	33	21.57	4.06	25.72	5.07	29.86	6.07	32.00	6.62	34.14	7.46	38.28	8.84	42.43	9.77
	35	21.57	4.31	25.72	5.40	29.86	6.46	32.00	7.26	34.14	7.95	38.28	9.42	42.43	10.13
	37	21.57	4.57	25.72	5.72	29.86	6.88	32.00	7.37	34.14	8.47	38.28	10.05	42.43	10.48
	39	21.57	4.84	25.72	6.10	29.86	7.33	32.00	7.47	34.14	9.01	38.28	10.70	42.43	10.85
	41	21.57	4.95	25.72	6.16	29.86	7.44	32.00	7.59	34.14	9.18	38.28	10.97	42.43	11.04
	43	21.57	5.09	25.72	6.21	29.86	7.55	32.00	7.67	34.14	9.30	38.28	11.10	42.43	11.16
	45	21.57	5.24	25.72	6.29	29.86	7.70	32.00	7.78	34.14	9.47	38.28	11.22	42.43	11.34
	48	21.57	4.56	25.72	5.33	29.86	6.57	32.00	7.95	34.14	8.04	38.28	9.55	42.43	9.68
70%	-5	18.86	2.08	22.57	2.44	26.14	2.66	28.00	2.83	29.86	3.17	33.43	3.63	37.14	4.17
	-2	18.86	2.10	22.57	2.46	26.14	2.67	28.00	2.85	29.86	3.23	33.43	3.68	37.14	4.23
	0	18.86	2.11	22.57	2.49	26.14	2.73	28.00	2.86	29.86	3.28	33.43	3.76	37.14	4.28
	2	18.86	2.12	22.57	2.50	26.14	2.78	28.00	2.94	29.86	3.34	33.43	3.84	37.14	4.35
	4	18.86	2.15	22.57	2.56	26.14	2.84	28.00	2.99	29.86	3.42	33.43	3.90	37.14	4.46
	6	18.86	2.19	22.57	2.61	26.14	2.91	28.00	3.05	29.86	3.50	33.43	3.97	37.14	4.54
	8	18.86	2.23	22.57	2.68	26.14	2.98	28.00	3.10	29.86	3.57	33.43	4.08	37.14	4.63
	10	18.86	2.27	22.57	2.73	26.14	3.06	28.00	3.15	29.86	3.67	33.43	4.17	37.14	4.68
	12	18.86	2.33	22.57	2.77	26.14	3.13	28.00	3.21	29.86	3.73	33.43	4.25	37.14	4.77
	14	18.86	2.37	22.57	2.82	26.14	3.18	28.00	3.31	29.86	3.80	33.43	4.32	37.14	4.86
	16	18.86	2.41	22.57	2.87	26.14	3.24	28.00	3.33	29.86	3.87	33.43	4.40	37.14	4.95
	18	18.86	2.44	22.57	2.92	26.14	3.31	28.00	3.33	29.86	3.94	33.43	4.49	37.14	5.06
	20	18.86	2.48	22.57	2.97	26.14	3.37	28.00	3.55	29.86	4.01	33.43	4.58	37.14	5.20
	21	18.86	2.51	22.57	3.00	26.14	3.40	28.00	3.80	29.86	4.05	33.43	4.64	37.14	5.38
	23	18.86	2.55	22.57	3.05	26.14	3.48	28.00	4.01	29.86	4.26	33.43	4.98	37.14	5.76
	25	18.86	2.60	22.57	3.18	26.14	3.71	28.00	4.31	29.86	4.54	33.43	5.33	37.14	6.16
	27	18.86	2.75	22.57	3.38	26.14	3.96	28.00	4.68	29.86	4.85	33.43	5.69	37.14	6.59
	29	18.86	2.92	22.57	3.59	26.14	4.22	28.00	4.83	29.86	5.16	33.43	6.06	37.14	7.04
	31	18.86	3.09	22.57	3.81	26.14	4.50	28.00	5.15	29.86	5.49	33.43	6.46	37.14	7.50
	33	18.86	3.28	22.57	4.05	26.14	4.80	28.00	5.46	29.86	5.85	33.43	6.88	37.14	8.00
	35	18.86	3.47	22.57	4.30	26.14	5.10	28.00	5.71	29.86	6.23	33.43	7.33	37.14	8.53
	37	18.86	3.67	22.57	4.55	26.14	5.43	28.00	5.82	29.86	6.63	33.43	7.81	37.14	9.08
	39	18.86	3.89	22.57	4.82	26.14	5.77	28.00	5.89	29.86	7.04	33.43	8.30	37.14	9.67
	41	18.86	4.06	22.57	5.00	26.14	5.94	28.00	6.18	29.86	7.25	33.43	8.64	37.14	10.10
	43	18.86	4.39	22.57	5.34	26.14	6.19	28.00	6.43	29.86	7.47	33.43	8.95	37.14	10.42
	45	18.86	4.48	22.57	5.45	26.14	6.32	28.00	6.60	29.86	7.84	33.43	9.44	37.14	10.82
	48	18.86	3.22	22.57	3.85	26.14	4.44	28.00	6.73	29.86	5.64	33.43	6.91	37.14	7.75

Cooling capacity tables

14HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
60%	-5	16.14	1.73	19.29	2.00	22.43	2.33	24.00	2.49	25.57	2.69	28.71	3.02	31.86	3.46
	-2	16.14	1.74	19.29	2.03	22.43	2.38	24.00	2.52	25.57	2.71	28.71	3.06	31.86	3.48
	0	16.14	1.76	19.29	2.06	22.43	2.41	24.00	2.55	25.57	2.76	28.71	3.11	31.86	3.53
	2	16.14	1.80	19.29	2.11	22.43	2.45	24.00	2.60	25.57	2.80	28.71	3.17	31.86	3.57
	4	16.14	1.84	19.29	2.15	22.43	2.50	24.00	2.64	25.57	2.84	28.71	3.22	31.86	3.62
	6	16.14	1.86	19.29	2.19	22.43	2.55	24.00	2.70	25.57	2.89	28.71	3.28	31.86	3.71
	8	16.14	1.90	19.29	2.22	22.43	2.60	24.00	2.75	25.57	2.95	28.71	3.35	31.86	3.77
	10	16.14	1.94	19.29	2.27	22.43	2.64	24.00	2.82	25.57	3.01	28.71	3.41	31.86	3.82
	12	16.14	1.97	19.29	2.31	22.43	2.69	24.00	2.87	25.57	3.06	28.71	3.47	31.86	3.88
	14	16.14	2.00	19.29	2.35	22.43	2.72	24.00	2.92	25.57	3.12	28.71	3.54	31.86	3.96
	16	16.14	2.02	19.29	2.39	22.43	2.77	24.00	2.97	25.57	3.17	28.71	3.60	31.86	4.03
	18	16.14	2.06	19.29	2.42	22.43	2.82	24.00	3.02	25.57	3.24	28.71	3.66	31.86	4.11
	20	16.14	2.09	19.29	2.47	22.43	2.87	24.00	3.09	25.57	3.30	28.71	3.74	31.86	4.20
	21	16.14	2.11	19.29	2.49	22.43	2.90	24.00	3.31	25.57	3.32	28.71	3.77	31.86	4.23
	23	16.14	2.14	19.29	2.54	22.43	2.95	24.00	3.53	25.57	3.39	28.71	3.92	31.86	4.51
	25	16.14	2.17	19.29	2.57	22.43	3.06	24.00	3.73	25.57	3.60	28.71	4.18	31.86	4.81
	27	16.14	2.26	19.29	2.74	22.43	3.26	24.00	3.97	25.57	3.84	28.71	4.46	31.86	5.13
	29	16.14	2.39	19.29	2.90	22.43	3.47	24.00	4.08	25.57	4.08	28.71	4.76	31.86	5.48
	31	16.14	2.54	19.29	3.07	22.43	3.68	24.00	4.30	25.57	4.35	28.71	5.06	31.86	5.83
	33	16.14	2.67	19.29	3.26	22.43	3.91	24.00	4.48	25.57	4.62	28.71	5.38	31.86	6.22
	35	16.14	2.84	19.29	3.46	22.43	4.15	24.00	4.52	25.57	4.91	28.71	5.73	31.86	6.62
	37	16.14	3.00	19.29	3.66	22.43	4.40	24.00	4.80	25.57	5.21	28.71	6.10	31.86	7.05
	39	16.14	3.16	19.29	3.87	22.43	4.66	24.00	5.08	25.57	5.53	28.71	6.47	31.86	7.50
	41	16.14	3.26	19.29	4.04	22.43	4.83	24.00	5.29	25.57	5.74	28.71	6.78	31.86	7.83
	43	16.14	3.36	19.29	4.21	22.43	5.00	24.00	5.45	25.57	5.94	28.71	7.06	31.86	8.17
	45	16.14	3.52	19.29	4.42	22.43	5.20	24.00	5.65	25.57	6.23	28.71	7.38	31.86	8.63
	48	16.14	2.48	19.29	3.13	22.43	3.65	24.00	3.93	25.57	4.39	28.71	5.18	31.86	6.12
50%	-5	13.50	1.48	16.14	1.64	18.71	1.84	20.00	2.09	21.29	2.17	23.86	2.47	26.57	2.66
	-2	13.50	1.49	16.14	1.68	18.71	1.86	20.00	2.15	21.29	2.21	23.86	2.50	26.57	2.70
	0	13.50	1.52	16.14	1.70	18.71	1.89	20.00	2.15	21.29	2.24	23.86	2.55	26.57	2.74
	2	13.50	1.54	16.14	1.73	18.71	1.91	20.00	2.16	21.29	2.28	23.86	2.56	26.57	2.80
	4	13.50	1.55	16.14	1.76	18.71	1.95	20.00	2.17	21.29	2.32	23.86	2.62	26.57	2.87
	6	13.50	1.58	16.14	1.79	18.71	1.98	20.00	2.18	21.29	2.36	23.86	2.66	26.57	2.95
	8	13.50	1.62	16.14	1.82	18.71	2.00	20.00	2.19	21.29	2.40	23.86	2.70	26.57	3.05
	10	13.50	1.65	16.14	1.84	18.71	2.03	20.00	2.17	21.29	2.47	23.86	2.77	26.57	3.09
	12	13.50	1.66	16.14	1.86	18.71	2.06	20.00	2.19	21.29	2.52	23.86	2.82	26.57	3.14
	14	13.50	1.69	16.14	1.89	18.71	2.17	20.00	2.20	21.29	2.55	23.86	2.87	26.57	3.21
	16	13.50	1.71	16.14	1.91	18.71	2.21	20.00	2.20	21.29	2.59	23.86	2.92	26.57	3.26
	18	13.50	1.74	16.14	1.95	18.71	2.25	20.00	2.21	21.29	2.64	23.86	2.97	26.57	3.32
	20	13.50	1.76	16.14	1.98	18.71	2.28	20.00	2.24	21.29	2.69	23.86	3.02	26.57	3.38
	21	13.50	1.78	16.14	2.00	18.71	2.31	20.00	2.43	21.29	2.71	23.86	3.06	26.57	3.42
	23	13.50	1.80	16.14	2.03	18.71	2.35	20.00	2.60	21.29	2.76	23.86	3.11	26.57	3.49
	25	13.50	1.82	16.14	2.06	18.71	2.39	20.00	2.76	21.29	2.85	23.86	3.27	26.57	3.72
	27	13.50	1.86	16.14	2.15	18.71	2.53	20.00	3.03	21.29	3.02	23.86	3.48	26.57	3.97
	29	13.50	1.96	16.14	2.27	18.71	2.69	20.00	3.16	21.29	3.22	23.86	3.70	26.57	4.23
	31	13.50	2.07	16.14	2.41	18.71	2.85	20.00	3.27	21.29	3.42	23.86	3.93	26.57	4.50
	33	13.50	2.19	16.14	2.56	18.71	3.04	20.00	3.45	21.29	3.62	23.86	4.18	26.57	4.78
	35	13.50	2.32	16.14	2.70	18.71	3.21	20.00	3.55	21.29	3.84	23.86	4.44	26.57	5.08
	37	13.50	2.44	16.14	2.86	18.71	3.41	20.00	3.58	21.29	4.07	23.86	4.71	26.57	5.40
	39	13.50	2.58	16.14	3.02	18.71	3.60	20.00	3.60	21.29	4.32	23.86	4.99	26.57	5.73
	41	13.50	2.68	16.14	3.16	18.71	3.74	20.00	3.66	21.29	4.50	23.86	5.26	26.57	6.00
	43	13.50	2.86	16.14	3.38	18.71	3.87	20.00	3.76	21.29	4.62	23.86	5.53	26.57	6.27
	45	13.50	2.93	16.14	3.47	18.71	4.14	20.00	3.87	21.29	4.81	23.86	6.06	26.57	6.80
	48	13.50	1.94	16.14	2.29	18.71	2.82	20.00	3.91	21.29	3.26	23.86	4.25	26.57	4.75
40%	-5	10.94	1.16	13.00	1.36	15.32	1.55	16.00	1.62	18.05	1.71	20.00	1.95	22.38	2.10
	-2	10.94	1.17	13.00	1.37	15.32	1.57	16.00	1.64	18.05	1.74	20.00	1.95	22.38	2.14
	0	10.94	1.19	13.00	1.40	15.32	1.59	16.00	1.66	18.05	1.77	20.00	2.00	22.38	2.19
	2	10.94	1.21	13.00	1.42	15.32	1.61	16.00	1.70	18.05	1.81	20.00	2.03	22.38	2.26
	4	10.94	1.23	13.00	1.44	15.32	1.64	16.00	1.74	18.05	1.83	20.00	2.07	22.38	2.33
	6	10.94	1.26	13.00	1.46	15.32	1.67	16.00	1.76	18.05	1.88	20.00	2.12	22.38	2.36
	8	10.94	1.27	13.00	1.48	15.32	1.70	16.00	1.80	18.05	1.92	20.00	2.16	22.38	2.40
	10	10.94	1.29	13.00	1.50	15.32	1.71	16.00	1.84	18.05	1.95	20.00	2.19	22.38	2.45
	12	10.94	1.31	13.00	1.52	15.32	1.74	16.00	1.87	18.05	1.98	20.00	2.23	22.38	2.49
	14	10.94	1.33	13.00	1.54	15.32	1.77	16.00	1.89	18.05	2.02	20.00	2.26	22.38	2.53
	16	10.94	1.35	13.00	1.56	15.32	1.80	16.00	1.92	18.05	2.05	20.00	2.27	22.38	2.58
	18	10.94	1.36	13.00	1.58	15.32	1.82	16.00	2.00	18.05	2.07	20.00	2.28	22.38	2.61
	20	10.94	1.38	13.00	1.60	15.32	1.85	16.00	2.09	18.05	2.11	20.00	2.31	22.38	2.67
	21	10.94	1.39	13.00	1.63	15.32	1.88	16.00	2.16	18.05	2.18	20.00	2.34	22.38	2.84
	23	10.94	1.42	13.00	1.67	15.32	1.93	16.00	2.23	18.05	2.31	20.00	2.38	22.38	3.03
	25	10.94	1.44	13.00	1.71	15.32	1.95	16.00	2.32	18.05	2.46	20.00	2.43	22.38	3.23
	27	10.94	1.45	13.00	1.72	15.32	1.96	16.00	2.41	18.05	2.61	20.00	2.50	22.38	3.44
	29	10.94	1.51	13.00	1.78	15.32	2.00	16.00	2.48	18.05	2.77	20.00	5.39	22.38	3.65
	31	10.94	1.55	13.00	1.79	15.32	1.99	16.00	2.59	18.05	2.93	20.00	2.78	22.38	3.88
	33	10.94	1.59	13.00	1.84	15.32	2.06	16.00	2.68	18.05	3.11	20.00	3.08	22.38	4.13
	35	10.94	1.67	13.00	1.88	15.32	2.12	16.00	2.71	18.05	3.30	20.00	3.30	22.38	4.34
	37	10.94	1.75	13.00	1.98	15.32	2.20	16.00	2.77	18.05	3.32	20.00	3.43	22.38	4.35
	39	10.94	1.80	13.00	2.20	15.32	2.38	16.00	2.84	18.05	3.70	20.00	3.59	22.38	4.41
	41	10.94	1.83	13.00	2.64	15.32	2.49	16.00	2.87	18.05	3.68	20.00	3.79	22.38	4.61
	43	10.94	1.87	13.00	2.76	15.32	2.77	16.00	2.93	18.05	3.76	20.00	3.81	22.38	4.70
	45	10.94	1.89	13.00	3.40	15.32	3.13	16.00	2.87	18.05	3.70	20.00	4.16	22.38	5.14
	48	10.94	1.86	13.00	2.04	15.32	2.14	16.00	2.86	18.05	2.58	20.00	3.35	22.38	4.47

Cooling capacity tables

14HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
30%	-5	8.41	0.86	10.01	0.95	11.19	1.05	12.00	1.14	13.03	1.28	13.46	1.44	14.42	1.58
	-2	8.41	0.87	10.01	0.96	11.19	1.07	12.00	1.17	13.03	1.30	13.46	1.47	14.42	1.63
	0	8.41	0.89	10.01	0.98	11.19	1.09	12.00	1.19	13.03	1.32	13.46	1.49	14.42	1.68
	2	8.41	0.91	10.01	0.99	11.19	1.10	12.00	1.21	13.03	1.36	13.46	1.53	14.42	1.70
	4	8.41	0.92	10.01	1.01	11.19	1.12	12.00	1.24	13.03	1.39	13.46	1.56	14.42	1.73
	6	8.41	0.93	10.01	1.02	11.19	1.14	12.00	1.27	13.03	1.41	13.46	1.58	14.42	1.77
	8	8.41	0.94	10.01	1.03	11.19	1.16	12.00	1.28	13.03	1.43	13.46	1.61	14.42	1.79
	10	8.41	0.96	10.01	1.06	11.19	1.18	12.00	1.31	13.03	1.45	13.46	1.64	14.42	1.83
	12	8.41	0.97	10.01	1.07	11.19	1.20	12.00	1.35	13.03	1.48	13.46	1.66	14.42	1.86
	14	8.41	0.98	10.01	1.08	11.19	1.21	12.00	1.37	13.03	1.49	13.46	1.68	14.42	1.88
	16	8.41	0.99	10.01	1.10	11.19	1.23	12.00	1.39	13.03	1.52	13.46	1.71	14.42	1.92
	18	8.41	1.01	10.01	1.12	11.19	1.26	12.00	1.41	13.03	1.57	13.46	1.80	14.42	2.05
	20	8.41	1.03	10.01	1.16	11.19	1.34	12.00	1.47	13.03	1.66	13.46	1.92	14.42	2.19
	21	8.41	1.08	10.01	1.23	11.19	1.42	12.00	1.54	13.03	1.77	13.46	2.04	14.42	2.29
	23	8.41	1.14	10.01	1.11	11.19	1.51	12.00	1.61	13.03	1.88	13.46	2.17	14.42	2.41
	25	8.41	1.21	10.01	1.31	11.19	1.61	12.00	1.69	13.03	2.00	13.46	2.30	14.42	2.54
	27	8.41	1.28	10.01	1.47	11.19	1.71	12.00	1.78	13.03	2.11	13.46	2.36	14.42	2.58
	29	8.41	1.34	10.01	1.56	11.19	1.82	12.00	1.86	13.03	2.24	13.46	2.42	14.42	2.68
	31	8.41	1.42	10.01	1.65	11.19	1.93	12.00	1.92	13.03	2.38	13.46	2.52	14.42	2.74
	33	8.41	1.48	10.01	1.72	11.19	2.00	12.00	1.95	13.03	2.48	13.46	2.58	14.42	2.74
	35	8.41	1.57	10.01	1.84	11.19	2.07	12.00	1.96	13.03	2.54	13.46	2.67	14.42	2.81
	37	8.41	1.61	10.01	1.89	11.19	2.22	12.00	2.06	13.03	2.65	13.46	2.72	14.42	2.93
	39	8.41	1.66	10.01	1.96	11.19	2.37	12.00	2.12	13.03	2.74	13.46	2.78	14.42	3.01
	41	8.41	1.79	10.01	2.15	11.19	2.50	12.00	2.19	13.03	2.75	13.46	2.87	14.42	3.13
	43	8.41	1.96	10.01	2.37	11.19	2.64	12.00	2.25	13.03	2.85	13.46	2.96	14.42	3.18
	45	8.41	2.21	10.01	2.42	11.19	2.65	12.00	2.31	13.03	2.94	13.46	3.06	14.42	3.25
	48	8.41	1.93	10.01	1.82	11.19	1.91	12.00	2.35	13.03	2.11	13.46	2.12	14.42	2.38
20%	-5	5.81	0.56	6.92	0.61	8.19	0.69	8.00	0.78	10.12	0.82	10.69	0.94	12.21	1.06
	-2	5.81	0.58	6.92	0.62	8.19	0.71	8.00	0.80	10.12	0.85	10.69	0.96	12.21	1.08
	0	5.81	0.58	6.92	0.63	8.19	0.72	8.00	0.82	10.12	0.87	10.69	0.98	12.21	1.10
	2	5.81	0.59	6.92	0.64	8.19	0.73	8.00	0.83	10.12	0.88	10.69	1.00	12.21	1.12
	4	5.81	0.60	6.92	0.65	8.19	0.74	8.00	0.85	10.12	0.89	10.69	1.02	12.21	1.14
	6	5.81	0.61	6.92	0.66	8.19	0.76	8.00	0.87	10.12	0.91	10.69	1.03	12.21	1.16
	8	5.81	0.62	6.92	0.67	8.19	0.77	8.00	0.88	10.12	0.93	10.69	1.05	12.21	1.18
	10	5.81	0.62	6.92	0.68	8.19	0.78	8.00	0.90	10.12	0.94	10.69	1.07	12.21	1.20
	12	5.81	0.63	6.92	0.69	8.19	0.79	8.00	0.91	10.12	0.96	10.69	1.08	12.21	1.22
	14	5.81	0.64	6.92	0.70	8.19	0.81	8.00	0.92	10.12	0.99	10.69	1.14	12.21	1.31
	16	5.81	0.65	6.92	0.73	8.19	0.86	8.00	0.94	10.12	1.05	10.69	1.22	12.21	1.40
	18	5.81	0.69	6.92	0.78	8.19	0.92	8.00	0.97	10.12	1.12	10.69	1.30	12.21	1.49
	20	5.81	0.73	6.92	0.70	8.19	0.98	8.00	1.01	10.12	1.20	10.69	1.39	12.21	1.51
	21	5.81	0.78	6.92	0.83	8.19	1.05	8.00	1.04	10.12	1.27	10.69	1.45	12.21	1.59
	23	5.81	0.82	6.92	0.94	8.19	1.11	8.00	1.08	10.12	1.35	10.69	1.49	12.21	1.64
	25	5.81	0.87	6.92	0.99	8.19	1.18	8.00	1.12	10.12	1.44	10.69	1.51	12.21	1.71
	27	5.81	0.92	6.92	1.05	8.19	1.25	8.00	1.19	10.12	1.53	10.69	1.55	12.21	1.76
	29	5.81	0.96	6.92	1.10	8.19	1.30	8.00	1.22	10.12	1.59	10.69	1.63	12.21	1.77
	31	5.81	1.02	6.92	1.18	8.19	1.35	8.00	1.26	10.12	1.64	10.69	1.67	12.21	1.85
	33	5.81	1.04	6.92	1.22	8.19	1.45	8.00	1.30	10.12	1.71	10.69	1.75	12.21	1.89
	35	5.81	1.08	6.92	1.26	8.19	1.55	8.00	1.30	10.12	1.80	10.69	1.79	12.21	1.93
	37	5.81	1.16	6.92	1.39	8.19	1.64	8.00	1.36	10.12	1.86	10.69	1.81	12.21	2.01
	39	5.81	1.28	6.92	1.53	8.19	1.72	8.00	1.40	10.12	2.01	10.69	1.89	12.21	2.06
	41	5.81	1.44	6.92	1.57	8.19	1.73	8.00	1.45	10.12	2.03	10.69	1.92	12.21	2.13
	43	5.81	1.52	6.92	1.61	8.19	1.77	8.00	1.49	10.12	2.07	10.69	1.98	12.21	2.19
	45	5.81	1.55	6.92	1.67	8.19	1.82	8.00	1.54	10.12	2.15	10.69	2.05	12.21	2.27
	48	5.81	1.31	6.92	1.33	8.19	1.46	8.00	1.56	10.12	1.38	10.69	1.27	12.21	1.59
10%	-5	3.01	0.30	3.61	0.35	5.69	0.40	4.00	0.35	5.21	0.45	5.57	0.51	6.34	0.55
	-2	3.01	0.30	3.61	0.35	5.69	0.40	4.00	0.35	5.21	0.46	5.57	0.51	6.34	0.57
	0	3.01	0.31	3.61	0.36	5.69	0.41	4.00	0.35	5.21	0.46	5.57	0.52	6.34	0.58
	2	3.01	0.31	3.61	0.36	5.69	0.42	4.00	0.36	5.21	0.47	5.57	0.53	6.34	0.59
	4	3.01	0.32	3.61	0.37	5.69	0.42	4.00	0.36	5.21	0.48	5.57	0.54	6.34	0.61
	6	3.01	0.32	3.61	0.37	5.69	0.43	4.00	0.36	5.21	0.49	5.57	0.55	6.34	0.61
	8	3.01	0.32	3.61	0.38	5.69	0.43	4.00	0.37	5.21	0.49	5.57	0.56	6.34	0.63
	10	3.01	0.33	3.61	0.38	5.69	0.44	4.00	0.37	5.21	0.51	5.57	0.59	6.34	0.67
	12	3.01	0.33	3.61	0.40	5.69	0.47	4.00	0.37	5.21	0.52	5.57	0.62	6.34	0.71
	14	3.01	0.35	3.61	0.42	5.69	0.49	4.00	0.37	5.21	0.53	5.57	0.66	6.34	0.76
	16	3.01	0.37	3.61	0.38	5.69	0.52	4.00	0.37	5.21	0.56	5.57	0.70	6.34	0.79
	18	3.01	0.39	3.61	0.44	5.69	0.56	4.00	0.38	5.21	0.58	5.57	0.74	6.34	0.82
	20	3.01	0.42	3.61	0.50	5.69	0.59	4.00	0.38	5.21	0.61	5.57	0.77	6.34	0.83
	21	3.01	0.44	3.61	0.53	5.69	0.62	4.00	0.41	5.21	0.64	5.57	0.81	6.34	0.86
	23	3.01	0.46	3.61	0.55	5.69	0.66	4.00	0.43	5.21	0.72	5.57	0.84	6.34	0.89
	25	3.01	0.48	3.61	0.58	5.69	0.68	4.00	0.46	5.21	0.77	5.57	0.88	6.34	0.92
	27	3.01	0.51	3.61	0.62	5.69	0.71	4.00	0.49	5.21	0.81	5.57	0.89	6.34	0.95
	29	3.01	0.52	3.61	0.63	5.69	0.75	4.00	0.54	5.21	0.83	5.57	0.93	6.34	0.98
	31	3.01	0.54	3.61	0.66	5.69	0.77	4.00	0.56	5.21	0.84	5.57	0.95	6.34	1.02
	33	3.01	0.58	3.61	0.72	5.69	0.81	4.00	0.59	5.21	0.86	5.57	0.98	6.34	1.04
	35	3.01	0.64	3.61	0.79	5.69	0.84	4.00	0.64	5.21	0.89	5.57	1.01	6.34	1.08
	37	3.01	0.72	3.61	0.81	5.69	0.87	4.00	0.65	5.21	0.91	5.57	1.04	6.34	1.10
	39	3.01	0.76	3.61	0.83	5.69	0.89	4.00	0.65	5.21	0.95	5.57	1.08	6.34	1.14
	41	3.01	0.77	3.61	0.86	5.69	0.91	4.00	0.67	5.21	0.97	5.57	1.10	6.34	1.15
	43	3.01	0.80	3.61	0.88	5.69	0.95	4.00	0.68	5.21	1.01	5.57	1.12	6.34	1.21
	45	3.01	0.83	3.61	0.90	5.69	0.96	4.00	0.69	5.21	1.03	5.57	1.15	6.34	0.95
	48	3.01	0.62	3.61	0.65	5.69	0.71	4.00	0.70	5.21	0.72	5.57	0.79	6.34	0.65

Cooling capacity tables

16HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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%	-5	39.54	5.29	48.07	5.93	54.22	6.40	55.79	6.94	59.66	7.41	61.30	8.06	61.77	8.11
	-2	39.54	5.29	48.07	6.06	54.22	6.40	55.79	6.98	59.66	7.41	61.30	8.16	61.77	8.19
	0	39.54	5.38	48.07	6.17	54.22	6.65	55.79	7.38	59.66	7.84	61.30	8.26	61.77	8.30
	2	39.54	5.48	48.07	6.19	54.22	6.90	55.79	7.81	59.66	7.93	61.30	8.32	61.77	8.42
	4	39.54	5.60	48.07	6.32	54.22	7.15	55.79	7.85	59.66	8.03	61.30	8.32	61.77	8.58
	6	39.54	5.71	48.07	6.45	54.22	7.44	55.79	7.91	58.63	8.28	59.52	8.31	61.09	8.65
	8	39.54	5.85	48.07	6.61	54.22	7.84	55.79	8.31	58.05	8.56	58.87	8.36	60.31	8.73
	10	39.54	5.97	48.07	6.77	54.22	8.14	55.79	8.60	57.49	8.61	58.19	8.61	59.62	8.98
	12	39.54	6.07	48.07	6.91	54.22	8.32	55.66	8.70	56.12	8.84	57.40	8.77	58.83	9.04
	14	39.54	6.20	48.07	7.05	53.90	8.36	55.20	8.75	55.33	8.92	56.76	8.92	58.19	9.24
	16	39.54	6.30	48.07	7.20	53.26	8.59	54.23	8.92	54.53	9.10	55.96	9.13	57.40	9.39
	18	39.54	6.42	48.07	7.36	52.47	8.72	53.36	9.04	53.90	9.35	55.33	9.44	56.76	9.53
	20	39.54	6.56	48.07	7.87	51.67	9.17	52.47	9.49	53.10	9.81	54.53	9.89	55.96	10.00
	21	39.54	6.74	48.07	8.16	51.35	9.40	52.15	9.72	52.78	10.03	54.21	10.14	55.64	10.23
	23	39.54	7.23	48.07	8.79	50.72	9.86	51.35	10.17	51.99	10.49	53.42	10.59	54.85	10.70
	25	39.54	7.71	48.07	9.45	49.92	10.31	50.56	10.63	51.35	10.96	52.78	11.06	54.21	11.17
	27	39.54	8.24	48.07	10.15	49.29	10.76	49.92	11.31	50.56	11.41	51.99	11.54	53.42	11.66
	29	39.54	8.80	48.07	10.88	48.49	11.22	49.13	11.92	49.92	11.88	51.35	12.01	52.78	12.13
	31	39.54	9.39	46.43	11.55	47.70	11.69	48.49	12.51	49.13	12.34	50.56	12.48	51.99	12.62
	33	39.54	10.00	45.63	12.00	47.06	12.14	47.70	13.19	48.49	12.81	49.92	12.95	51.19	13.09
	35	39.54	10.66	44.84	12.46	46.27	12.61	47.06	13.21	47.70	13.28	49.13	13.44	50.56	13.58
	37	39.54	11.34	44.20	12.93	45.63	13.08	46.27	13.42	47.06	13.77	48.33	13.93	49.76	14.08
	39	39.54	12.08	43.40	13.07	44.84	13.54	45.63	13.89	46.27	14.24	47.70	14.40	49.13	14.57
	41	39.54	12.71	42.96	13.20	44.36	13.67	45.16	14.02	45.80	14.37	47.23	14.43	47.24	14.70
	43	39.54	13.03	42.64	13.27	44.13	13.71	44.92	14.09	45.32	14.39	46.37	14.45	46.68	14.74
	45	39.54	13.68	42.37	13.40	43.66	13.84	44.45	14.18	44.67	14.46	45.11	14.51	45.77	15.01
	48	39.11	14.17	43.89	13.85	47.60	13.98	48.48	14.31	48.87	14.62	48.65	14.75	49.54	14.79
120%	-5	37.13	5.08	43.09	5.50	50.12	6.36	52.21	7.15	56.18	7.62	57.46	8.27	58.74	8.50
	-2	37.13	5.13	43.09	5.57	50.12	6.43	52.21	7.20	56.18	7.72	57.46	8.35	58.74	8.53
	0	37.13	5.18	43.09	5.61	50.12	6.52	52.21	7.22	56.18	7.79	57.46	8.40	58.74	8.55
	2	37.13	5.19	43.09	5.67	50.12	6.57	52.21	7.29	56.18	7.82	57.46	8.46	58.74	8.57
	4	37.13	5.24	43.09	5.75	50.12	6.68	52.21	7.37	56.18	7.94	57.46	8.48	58.74	8.59
	6	37.13	5.30	43.09	5.80	50.12	6.77	52.21	7.46	56.18	8.03	57.46	8.55	58.74	8.62
	8	37.13	5.35	43.09	5.87	50.12	6.87	52.21	7.56	56.18	8.12	57.46	8.58	58.74	8.66
	10	37.13	5.41	43.09	5.95	50.12	6.94	52.21	7.71	56.18	8.12	57.46	8.61	58.74	8.70
	12	37.13	5.51	43.09	6.08	50.12	7.10	52.21	7.87	55.39	8.16	56.66	8.56	57.94	8.76
	14	37.13	5.62	43.09	6.21	50.12	7.25	52.21	8.04	54.59	8.21	56.02	8.69	57.30	8.87
	16	37.13	5.72	43.09	6.35	50.12	7.41	51.65	8.16	53.95	8.35	55.23	8.84	56.50	9.00
	18	37.13	5.83	43.09	6.49	50.12	7.69	51.48	8.41	53.15	8.57	54.43	9.05	55.86	9.14
	20	37.13	5.95	43.09	6.77	50.12	8.35	51.39	8.86	52.51	9.02	53.79	9.50	55.07	9.59
	21	37.13	6.00	43.09	7.03	50.12	8.68	51.39	9.41	52.03	9.25	53.47	9.73	54.75	9.83
	23	37.13	6.42	43.09	7.58	50.12	9.35	50.76	10.16	51.39	9.70	52.67	10.20	53.95	10.28
	25	37.13	6.85	43.09	8.16	49.32	9.80	49.96	10.59	50.60	10.15	52.03	10.65	53.31	10.75
	27	37.13	7.32	43.09	8.76	48.68	10.24	49.32	11.28	49.96	10.62	51.24	11.11	52.51	11.22
	29	37.13	7.80	43.09	9.41	47.88	10.69	48.52	11.76	49.16	11.07	50.44	11.58	51.87	11.69
	31	37.13	8.32	43.09	10.08	47.08	11.16	47.88	12.34	48.52	11.54	49.80	12.05	51.07	12.17
	33	37.13	8.86	43.09	10.79	46.44	11.61	47.08	12.87	47.72	11.99	49.00	12.52	50.28	12.64
	35	37.13	9.43	43.09	11.56	45.65	12.05	46.29	13.04	47.08	12.46	48.36	12.99	49.64	13.13
	37	37.13	10.04	43.09	12.35	45.01	12.53	45.65	13.11	46.29	12.92	47.56	13.46	48.84	13.61
	39	37.13	10.68	42.94	13.08	44.21	12.98	44.85	13.19	45.49	13.39	46.93	13.94	48.20	14.08
	41	37.13	10.97	42.59	13.18	43.87	13.07	44.50	13.29	45.14	13.49	46.58	13.98	46.81	14.19
	43	37.13	11.14	42.36	13.28	43.52	13.16	44.16	13.34	44.80	13.54	45.77	14.02	46.09	14.48
	45	37.13	11.27	42.13	13.41	43.10	13.29	43.69	13.48	44.40	13.65	44.84	14.06	45.63	14.80
	48	41.98	11.36	48.40	13.56	49.29	13.42	49.82	13.58	50.88	13.77	51.15	14.12	52.17	14.99
110%	-5	34.41	4.44	39.76	5.00	48.11	5.94	49.38	6.69	52.58	7.35	56.60	7.65	57.88	8.15
	-2	34.41	4.52	39.76	5.08	48.11	6.00	49.38	6.76	52.58	7.41	56.60	7.72	57.88	8.19
	0	34.41	4.57	39.76	5.11	48.11	6.05	49.38	6.80	52.58	7.50	56.60	7.80	57.88	8.29
	2	34.41	4.67	39.76	5.16	48.11	6.15	49.38	6.88	52.58	7.58	56.60	7.92	57.88	8.40
	4	34.41	4.76	39.76	5.23	48.11	6.22	49.38	6.97	52.58	7.70	56.60	8.03	57.88	8.47
	6	34.41	4.81	39.76	5.29	48.11	6.29	49.38	7.09	52.58	7.79	56.60	8.12	57.88	8.60
	8	34.41	4.85	39.76	5.38	48.11	6.36	49.38	7.16	52.58	7.88	56.60	8.18	57.88	8.69
	10	34.41	4.91	39.76	5.46	48.11	6.46	49.38	7.29	52.58	8.01	56.60	8.24	57.88	8.77
	12	34.41	5.01	39.76	5.59	48.11	6.60	49.38	7.45	52.58	8.17	55.96	8.36	57.08	8.88
	14	34.41	5.10	39.76	5.69	48.11	6.74	49.38	7.59	52.58	8.33	55.15	8.43	56.44	8.95
	16	34.41	5.19	39.76	5.81	48.11	6.88	49.38	7.75	52.58	8.50	54.51	8.53	55.63	9.04
	18	34.41	5.29	39.76	5.93	48.11	7.04	49.38	7.97	52.58	8.92	53.71	8.99	54.99	9.33
	20	34.41	5.39	39.76	6.07	48.11	7.49	49.38	8.60	51.78	9.37	53.07	9.44	54.19	9.78
	21	34.41	5.45	39.76	6.26	48.11	7.78	49.38	9.27	51.46	9.59	52.59	9.66	53.87	10.01
	23	34.41	5.71	39.76	6.75	48.11	8.39	49.38	9.87	50.66	10.03	51.95	10.13	53.07	10.48
	25	34.41	6.09	39.76	7.25	48.11	9.01	49.38	10.53	50.02	10.48	51.14	10.58	52.42	10.93
	27	34.41	6.49	39.76	7.79	48.11	9.69	48.58	11.04	49.22	10.93	50.50	11.03	51.62	11.39
	29	34.41	6.92	39.76	8.35	48.11	10.40	47.94	11.68	48.58	11.40	49.70	11.50	50.98	11.86
	31	34.41	7.37	39.76	8.93	48.11	11.15	47.14	12.32	47.78	11.85	49.06	11.95	50.18	12.33
	33	34.41	7.84	39.76	9.56	48.11	11.79	46.49	12.80	47.14	12.30	48.26	12.42	49.54	12.80
	35	34.41	8.34	39.76	10.22	45.05	12.24	45.69	12.96	46.33	12.77	47.46	12.89	48.74	13.27
	37	34.41	8.88	39.76	10.91	44.41	12.71	45.05	13.02	45.53	13.22	46.82	13.36	47.94	13.74
	39	34.41	9.43	39.76	11.66	43.61	13.16	44.25	13.49	44.89	13.69	46.01	13.82	47.30	14.22
	41	34.41	9.53	39.76	11.76	43.27	13.26	43.91	13.58	44.55	13.78	45.43	13.92	45.87	14.32
	43	34.41	9.63	39.76	11.91	42.92	13.35	43.56	13.68	44.21	13.88	45.02	13.97	45.17	14.61
	45	34.41	9.94	39.76	11.98	42.49	13.48	43.11	13.85	43.81	14.01	44.57	14.36	44.75	14.95
	48	35.89	10.22	42.80	12.95	45.07	13.48	45.66	13.86	46.62	14.07	47.18	14.32	47.54	15.01

Cooling capacity tables

16HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
100%	-5	31.57	4.58	37.06	4.99	44.37	5.51	45.00	6.46	47.89	6.31	53.84	6.99	56.89	7.71
	-2	31.57	4.65	37.06	5.06	44.37	5.62	45.00	6.51	47.89	6.40	53.84	7.08	56.89	7.76
	0	31.57	4.70	37.06	5.12	44.37	5.71	45.00	6.61	47.89	6.46	53.84	7.21	56.89	7.85
	2	31.57	4.77	37.06	5.18	44.37	5.84	45.00	6.67	47.89	6.54	53.84	7.32	56.89	7.97
	4	31.57	4.81	37.06	5.27	44.37	5.91	45.00	6.77	47.89	6.63	53.84	7.40	56.89	8.06
	6	31.57	4.92	37.06	5.35	44.37	6.02	45.00	6.91	47.89	6.73	53.84	7.51	56.89	8.19
	8	31.57	4.99	37.06	5.46	44.37	6.13	45.00	7.04	47.89	6.85	53.84	7.64	56.89	8.33
	10	31.57	5.09	37.06	5.56	44.37	6.23	45.00	7.15	47.89	6.98	53.84	7.78	56.89	8.46
	12	31.57	5.20	37.06	5.68	44.37	6.46	45.00	7.29	47.89	7.12	53.84	7.93	56.09	8.52
	14	31.57	5.30	37.06	5.80	44.37	6.76	45.00	7.75	47.89	7.26	53.84	8.10	55.44	8.63
	16	31.57	5.40	37.06	5.94	44.37	6.93	45.00	7.95	47.89	7.41	53.52	8.21	54.64	8.73
	18	31.57	5.51	37.06	6.06	44.37	7.19	45.00	8.26	47.89	7.57	52.88	8.50	54.00	8.96
	20	31.57	5.63	37.06	6.27	44.37	7.79	45.00	8.83	47.89	8.14	52.07	8.93	53.19	9.40
	21	31.57	5.68	37.06	6.53	44.37	8.35	45.00	9.36	47.89	8.43	51.75	9.16	52.88	9.63
	23	31.57	6.07	37.06	7.05	44.37	8.98	45.00	10.01	47.89	9.07	51.11	9.61	52.07	10.08
	25	31.57	6.51	37.06	7.60	44.37	9.69	45.00	10.51	47.89	9.74	50.31	10.06	51.43	10.53
	27	31.57	6.95	37.06	8.17	44.37	10.26	45.00	11.14	47.89	10.45	49.50	10.50	50.63	10.99
	29	31.57	7.44	37.06	8.77	44.37	11.03	45.00	11.47	47.73	11.12	48.86	10.97	49.98	11.44
	31	31.57	7.96	37.06	9.41	44.37	11.80	45.00	11.68	47.09	11.57	48.06	11.42	49.18	11.91
	33	31.57	8.49	37.06	10.08	44.37	12.36	45.00	12.01	46.29	12.02	47.41	11.87	48.54	12.37
	35	31.57	9.04	37.06	10.81	44.37	12.61	45.00	12.80	45.48	12.47	46.61	12.33	47.73	12.82
	37	31.57	9.65	37.06	11.57	44.37	12.70	44.19	12.90	45.00	12.93	45.96	12.80	46.93	13.29
	39	31.57	10.27	37.06	12.36	44.37	12.93	43.58	12.93	45.00	13.38	45.16	13.25	46.29	13.77
	41	31.57	10.65	37.06	12.84	44.37	13.12	43.29	13.12	45.00	13.59	44.38	13.57	45.61	14.06
	43	31.57	11.03	37.06	13.09	44.37	13.21	43.14	13.21	45.00	13.73	44.64	13.67	44.81	14.22
	45	31.57	11.55	37.06	13.33	44.37	13.34	42.86	13.34	45.00	13.99	44.26	13.89	43.91	14.41
	48	30.91	11.88	36.79	13.26	42.84	13.42	42.43	13.42	45.00	14.14	42.29	13.94	43.70	14.45
90%	-5	27.32	3.45	32.63	3.93	37.93	4.57	40.50	5.12	43.07	5.67	48.37	6.52	53.68	7.47
	-2	27.32	3.49	32.63	3.97	37.93	4.63	40.50	5.20	43.07	5.74	48.37	6.59	53.68	7.54
	0	27.32	3.54	32.63	4.03	37.93	4.71	40.50	5.26	43.07	5.82	48.37	6.66	53.68	7.60
	2	27.32	3.59	32.63	4.08	37.93	4.76	40.50	5.34	43.07	5.91	48.37	6.80	53.68	7.71
	4	27.32	3.65	32.63	4.14	37.93	4.85	40.50	5.42	43.07	5.98	48.37	6.91	53.68	7.83
	6	27.32	3.70	32.63	4.23	37.93	4.94	40.50	5.53	43.07	6.09	48.37	7.01	53.68	7.96
	8	27.32	3.77	32.63	4.31	37.93	5.05	40.50	5.60	43.07	6.19	48.37	7.14	53.68	8.03
	10	27.32	3.84	32.63	4.41	37.93	5.14	40.50	5.69	43.07	6.33	48.37	7.24	53.68	8.16
	12	27.32	3.90	32.63	4.50	37.93	5.25	40.50	5.79	43.07	6.45	48.37	7.37	53.68	8.31
	14	27.32	3.97	32.63	4.58	37.93	5.35	40.50	5.90	43.07	6.57	48.37	7.51	53.68	8.46
	16	27.32	4.04	32.63	4.66	37.93	5.46	40.50	6.02	43.07	6.70	48.37	7.66	53.68	8.61
	18	27.32	4.11	32.63	4.77	37.93	5.56	40.50	6.14	43.07	6.84	48.37	7.81	53.68	8.88
	20	27.32	4.19	32.63	4.88	37.93	5.68	40.50	6.27	43.07	7.09	48.37	8.40	53.68	9.30
	21	27.32	4.22	32.63	4.92	37.93	5.78	40.50	6.75	43.07	7.34	48.37	8.70	53.68	9.52
	23	27.32	4.31	32.63	5.12	37.93	6.22	40.50	7.33	43.07	7.88	48.37	9.33	53.68	9.95
	25	27.32	4.54	32.63	5.49	37.93	6.67	40.50	7.67	43.07	8.41	48.37	9.99	53.68	10.39
	27	27.32	4.83	32.63	5.85	37.93	7.14	40.50	8.27	43.07	9.00	48.37	10.69	53.68	10.83
	29	27.32	5.14	32.63	6.26	37.93	7.64	40.50	8.73	43.07	9.62	48.37	11.18	53.68	11.26
	31	27.32	5.46	32.63	6.68	37.93	8.16	40.50	9.45	43.07	10.26	48.37	11.61	53.68	11.71
	33	27.32	5.80	32.63	7.11	37.93	8.73	40.50	10.17	43.07	10.94	48.37	12.07	53.68	12.15
	35	27.32	6.17	32.63	7.58	37.93	9.32	40.50	10.63	43.07	11.66	48.37	12.50	53.68	12.60
	37	27.32	6.54	32.63	8.07	37.93	9.94	40.50	11.10	43.07	12.43	48.37	12.94	53.68	13.04
	39	27.32	6.94	32.63	8.60	37.93	10.59	40.50	11.28	43.07	13.24	48.37	13.39	53.68	13.49
	41	27.32	7.18	32.63	9.00	37.93	10.99	40.50	11.49	43.07	13.32	48.37	13.73	53.68	13.81
	43	27.32	7.52	32.63	9.40	37.93	11.39	40.50	11.71	43.07	13.60	48.37	13.91	53.68	14.02
	45	27.32	8.00	32.63	9.88	37.93	11.87	40.50	11.92	43.07	13.98	48.37	14.06	53.68	14.21
	48	27.32	7.22	32.63	8.81	37.93	10.49	40.50	12.02	43.07	12.05	48.37	12.18	53.68	12.31
80%	-5	24.27	2.88	28.93	3.41	33.59	3.87	36.00	3.40	38.41	4.62	43.07	5.34	47.73	6.09
	-2	24.27	2.92	28.93	3.45	33.59	3.90	36.00	3.41	38.41	4.66	43.07	5.39	47.73	6.15
	0	24.27	2.98	28.93	3.49	33.59	3.95	36.00	3.48	38.41	4.75	43.07	5.47	47.73	6.24
	2	24.27	3.03	28.93	3.54	33.59	4.01	36.00	3.63	38.41	4.83	43.07	5.58	47.73	6.36
	4	24.27	3.09	28.93	3.60	33.59	4.09	36.00	3.65	38.41	4.92	43.07	5.68	47.73	6.44
	6	24.27	3.14	28.93	3.69	33.59	4.15	36.00	3.75	38.41	5.01	43.07	5.76	47.73	6.55
	8	24.27	3.20	28.93	3.77	33.59	4.26	36.00	3.89	38.41	5.12	43.07	5.85	47.73	6.68
	10	24.27	3.22	28.93	3.86	33.59	4.37	36.00	3.93	38.41	5.24	43.07	5.98	47.73	6.75
	12	24.27	3.27	28.93	3.92	33.59	4.45	36.00	4.03	38.41	5.35	43.07	6.10	47.73	6.87
	14	24.27	3.33	28.93	4.00	33.59	4.53	36.00	4.11	38.41	5.44	43.07	6.21	47.73	7.00
	16	24.27	3.38	28.93	4.06	33.59	4.62	36.00	4.21	38.41	5.54	43.07	6.33	47.73	7.13
	18	24.27	3.44	28.93	4.14	33.59	4.72	36.00	4.36	38.41	5.65	43.07	6.46	47.73	7.27
	20	24.27	3.51	28.93	4.22	33.59	4.81	36.00	4.74	38.41	5.76	43.07	6.70	47.73	7.78
	21	24.27	3.54	28.93	4.25	33.59	4.86	36.00	5.10	38.41	5.89	43.07	6.94	47.73	8.06
	23	24.27	3.60	28.93	4.35	33.59	5.10	36.00	5.53	38.41	6.30	43.07	7.43	47.73	8.65
	25	24.27	3.71	28.93	4.62	33.59	5.47	36.00	5.95	38.41	6.73	43.07	7.95	47.73	9.25
	27	24.27	3.95	28.93	4.92	33.59	5.83	36.00	6.61	38.41	7.19	43.07	8.49	47.73	9.90
	29	24.27	4.21	28.93	5.24	33.59	6.23	36.00	6.79	38.41	7.68	43.07	9.06	47.73	10.59
	31	24.27	4.46	28.93	5.57	33.59	6.64	36.00	7.26	38.41	8.19	43.07	9.68	47.73	11.00
	33	24.27	4.75	28.93	5.92	33.59	7.08	36.00	8.21	38.41	8.71	43.07	10.32	47.73	11.41
	35	24.27	5.03	28.93	6.30	33.59	7.54	36.00	8.48	38.41	9.29	43.07	11.00	47.73	11.83
	37	24.27	5.33	28.93	6.68	33.59	8.04	36.00	8.58	38.41	9.89	43.07	11.73	47.73	12.24
	39	24.27	5.65	28.93	7.13	33.59	8.56	36.00	8.72	38.41	10.52	43.07	12.49	47.73	12.67
	41	24.27	5.78	28.93	7.19	33.59	8.69	36.00	8.86	38.41	10.71	43.07	12.81	47.73	12.89
	43	24.27	5.95	28.93	7.25	33.59	8.82	36.00	8.96	38.41	10.86	43.07	12.96	47.73	13.03
	45	24.27	6.12	28.93	7.34	33.59	8.99	36.00	9.09	38.41	11.05	43.07	13.10	47.73	13.24
	48	24.27	5.32	28.93	6.22	33.59	7.67	36.00	9.28	38.41	9.39	43.07	11.15	47.73	11.31

Cooling capacity tables

16HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
70%	-5	21.22	2.48	25.39	2.90	29.41	3.16	31.50	3.37	33.59	3.77	37.61	4.31	41.78	4.95
	-2	21.22	2.50	25.39	2.92	29.41	3.18	31.50	3.39	33.59	3.83	37.61	4.38	41.78	5.02
	0	21.22	2.51	25.39	2.96	29.41	3.24	31.50	3.40	33.59	3.90	37.61	4.47	41.78	5.09
	2	21.22	2.52	25.39	2.97	29.41	3.30	31.50	3.50	33.59	3.97	37.61	4.56	41.78	5.17
	4	21.22	2.56	25.39	3.05	29.41	3.37	31.50	3.55	33.59	4.06	37.61	4.64	41.78	5.29
	6	21.22	2.60	25.39	3.10	29.41	3.46	31.50	3.62	33.59	4.15	37.61	4.72	41.78	5.40
	8	21.22	2.65	25.39	3.19	29.41	3.54	31.50	3.68	33.59	4.24	37.61	4.85	41.78	5.50
	10	21.22	2.70	25.39	3.24	29.41	3.64	31.50	3.74	33.59	4.36	37.61	4.95	41.78	5.56
	12	21.22	2.77	25.39	3.29	29.41	3.72	31.50	3.81	33.59	4.43	37.61	5.04	41.78	5.67
	14	21.22	2.81	25.39	3.35	29.41	3.78	31.50	3.94	33.59	4.51	37.61	5.14	41.78	5.78
	16	21.22	2.86	25.39	3.41	29.41	3.85	31.50	3.95	33.59	4.60	37.61	5.23	41.78	5.88
	18	21.22	2.90	25.39	3.47	29.41	3.93	31.50	3.96	33.59	4.68	37.61	5.33	41.78	6.01
	20	21.22	2.95	25.39	3.53	29.41	4.01	31.50	4.22	33.59	4.77	37.61	5.44	41.78	6.18
	21	21.22	2.98	25.39	3.56	29.41	4.04	31.50	4.52	33.59	4.82	37.61	5.52	41.78	6.39
	23	21.22	3.03	25.39	3.62	29.41	4.13	31.50	4.77	33.59	5.06	37.61	5.92	41.78	6.85
	25	21.22	3.09	25.39	3.78	29.41	4.40	31.50	5.12	33.59	5.40	37.61	6.33	41.78	7.32
	27	21.22	3.27	25.39	4.02	29.41	4.71	31.50	5.55	33.59	5.76	37.61	6.76	41.78	7.83
	29	21.22	3.47	25.39	4.26	29.41	5.02	31.50	5.74	33.59	6.13	37.61	7.20	41.78	8.36
	31	21.22	3.67	25.39	4.52	29.41	5.35	31.50	6.12	33.59	6.53	37.61	7.67	41.78	8.91
	33	21.22	3.90	25.39	4.82	29.41	5.70	31.50	6.49	33.59	6.95	37.61	8.18	41.78	9.51
	35	21.22	4.13	25.39	5.11	29.41	6.05	31.50	6.79	33.59	7.40	37.61	8.71	41.78	10.13
	37	21.22	4.36	25.39	5.41	29.41	6.45	31.50	6.87	33.59	7.87	37.61	9.28	41.78	10.79
	39	21.22	4.62	25.39	5.73	29.41	6.85	31.50	7.00	33.59	8.36	37.61	9.86	41.78	11.49
	41	21.22	4.82	25.39	5.94	29.41	7.05	31.50	7.34	33.59	8.62	37.61	10.27	41.78	12.00
	43	21.22	5.21	25.39	6.34	29.41	7.35	31.50	7.64	33.59	8.87	37.61	10.64	41.78	12.38
	45	21.22	5.33	25.39	6.48	29.41	7.51	31.50	7.85	33.59	9.31	37.61	11.22	41.78	12.85
	48	21.22	3.83	25.39	4.58	29.41	5.27	31.50	8.00	33.59	6.70	37.61	8.21	41.78	9.21
60%	-5	18.16	2.00	21.70	2.32	25.23	2.71	27.00	2.89	28.77	3.12	32.30	3.50	35.84	4.01
	-2	18.16	2.02	21.70	2.36	25.23	2.76	27.00	2.93	28.77	3.15	32.30	3.55	35.84	4.04
	0	18.16	2.05	21.70	2.39	25.23	2.80	27.00	2.97	28.77	3.20	32.30	3.61	35.84	4.09
	2	18.16	2.08	21.70	2.45	25.23	2.85	27.00	3.02	28.77	3.24	32.30	3.68	35.84	4.15
	4	18.16	2.14	21.70	2.49	25.23	2.90	27.00	3.06	28.77	3.29	32.30	3.74	35.84	4.20
	6	18.16	2.16	21.70	2.54	25.23	2.96	27.00	3.13	28.77	3.36	32.30	3.81	35.84	4.30
	8	18.16	2.20	21.70	2.58	25.23	3.01	27.00	3.19	28.77	3.43	32.30	3.88	35.84	4.37
	10	18.16	2.25	21.70	2.64	25.23	3.06	27.00	3.28	28.77	3.49	32.30	3.96	35.84	4.44
	12	18.16	2.29	21.70	2.68	25.23	3.12	27.00	3.33	28.77	3.55	32.30	4.03	35.84	4.51
	14	18.16	2.32	21.70	2.73	25.23	3.16	27.00	3.39	28.77	3.62	32.30	4.10	35.84	4.60
	16	18.16	2.35	21.70	2.77	25.23	3.22	27.00	3.45	28.77	3.68	32.30	4.18	35.84	4.68
	18	18.16	2.39	21.70	2.81	25.23	3.28	27.00	3.51	28.77	3.75	32.30	4.25	35.84	4.77
	20	18.16	2.42	21.70	2.87	25.23	3.33	27.00	3.58	28.77	3.83	32.30	4.33	35.84	4.87
	21	18.16	2.45	21.70	2.88	25.23	3.36	27.00	3.84	28.77	3.86	32.30	4.38	35.84	4.91
	23	18.16	2.48	21.70	2.94	25.23	3.42	27.00	4.10	28.77	3.93	32.30	4.55	35.84	5.23
	25	18.16	2.52	21.70	2.99	25.23	3.55	27.00	4.33	28.77	4.18	32.30	4.86	35.84	5.58
	27	18.16	2.62	21.70	3.18	25.23	3.78	27.00	4.61	28.77	4.45	32.30	5.18	35.84	5.96
	29	18.16	2.77	21.70	3.36	25.23	4.03	27.00	4.73	28.77	4.74	32.30	5.52	35.84	6.36
	31	18.16	2.94	21.70	3.57	25.23	4.28	27.00	4.99	28.77	5.04	32.30	5.87	35.84	6.77
	33	18.16	3.10	21.70	3.78	25.23	4.54	27.00	5.20	28.77	5.36	32.30	6.25	35.84	7.22
	35	18.16	3.29	21.70	4.02	25.23	4.81	27.00	5.25	28.77	5.70	32.30	6.65	35.84	7.68
	37	18.16	3.48	21.70	4.25	25.23	5.10	27.00	5.57	28.77	6.05	32.30	7.07	35.84	8.18
	39	18.16	3.67	21.70	4.49	25.23	5.41	27.00	5.90	28.77	6.42	32.30	7.51	35.84	8.70
	41	18.16	3.79	21.70	4.69	25.23	5.60	27.00	6.14	28.77	6.66	32.30	7.86	35.84	9.09
	43	18.16	3.90	21.70	4.89	25.23	5.80	27.00	6.32	28.77	6.89	32.30	8.20	35.84	9.49
	45	18.16	4.09	21.70	5.13	25.23	6.04	27.00	6.56	28.77	7.23	32.30	8.56	35.84	10.01
	48	18.16	2.87	21.70	3.63	25.23	4.23	27.00	4.56	28.77	5.09	32.30	6.02	35.84	7.11
50%	-5	15.19	1.72	18.16	1.90	21.05	2.13	22.50	2.43	23.95	2.52	26.84	2.86	29.89	3.09
	-2	15.19	1.73	18.16	1.94	21.05	2.16	22.50	2.49	23.95	2.56	26.84	2.90	29.89	3.13
	0	15.19	1.76	18.16	1.98	21.05	2.19	22.50	2.50	23.95	2.59	26.84	2.95	29.89	3.18
	2	15.19	1.78	18.16	2.00	21.05	2.22	22.50	2.50	23.95	2.64	26.84	2.96	29.89	3.24
	4	15.19	1.80	18.16	2.04	21.05	2.26	22.50	2.51	23.95	2.69	26.84	3.04	29.89	3.33
	6	15.19	1.83	18.16	2.07	21.05	2.29	22.50	2.53	23.95	2.74	26.84	3.08	29.89	3.42
	8	15.19	1.88	18.16	2.11	21.05	2.32	22.50	2.54	23.95	2.78	26.84	3.13	29.89	3.53
	10	15.19	1.91	18.16	2.13	21.05	2.35	22.50	2.52	23.95	2.86	26.84	3.22	29.89	3.59
	12	15.19	1.93	18.16	2.16	21.05	2.39	22.50	2.53	23.95	2.91	26.84	3.27	29.89	3.64
	14	15.19	1.96	18.16	2.19	21.05	2.52	22.50	2.55	23.95	2.96	26.84	3.33	29.89	3.72
	16	15.19	1.99	18.16	2.22	21.05	2.56	22.50	2.55	23.95	3.00	26.84	3.39	29.89	3.77
	18	15.19	2.01	18.16	2.26	21.05	2.60	22.50	2.56	23.95	3.06	26.84	3.44	29.89	3.84
	20	15.19	2.04	18.16	2.29	21.05	2.65	22.50	2.60	23.95	3.11	26.84	3.50	29.89	3.92
	21	15.19	2.06	18.16	2.32	21.05	2.68	22.50	2.82	23.95	3.14	26.84	3.54	29.89	3.96
	23	15.19	2.09	18.16	2.35	21.05	2.72	22.50	3.01	23.95	3.20	26.84	3.60	29.89	4.04
	25	15.19	2.11	18.16	2.39	21.05	2.78	22.50	3.20	23.95	3.30	26.84	3.79	29.89	4.32
	27	15.19	2.16	18.16	2.49	21.05	2.93	22.50	3.47	23.95	3.50	26.84	4.03	29.89	4.60
	29	15.19	2.27	18.16	2.63	21.05	3.12	22.50	3.66	23.95	3.73	26.84	4.29	29.89	4.90
	31	15.19	2.40	18.16	2.79	21.05	3.30	22.50	3.79	23.95	3.96	26.84	4.56	29.89	5.22
	33	15.19	2.54	18.16	2.96	21.05	3.52	22.50	4.00	23.95	4.20	26.84	4.84	29.89	5.54
	35	15.19	2.69	18.16	3.13	21.05	3.72	22.50	4.12	23.95	4.44	26.84	5.14	29.89	5.89
	37	15.19	2.83	18.16	3.32	21.05	3.95	22.50	4.14	23.95	4.72	26.84	5.46	29.89	6.26
	39	15.19	2.99	18.16	3.50	21.05	4.18	22.50	4.17	23.95	5.00	26.84	5.79	29.89	6.64
	41	15.19	3.11	18.16	3.66	21.05	4.33	22.50	4.24	23.95	5.22	26.84	6.10	29.89	6.95
	43	15.19	3.32	18.16	3.92	21.05	4.48	22.50	4.36	23.95	5.35	26.84	6.40	29.89	7.26
	45	15.19	3.39	18.16	4.02	21.05	4.79	22.50	4.48	23.95	5.58	26.84	7.02	29.89	7.88
	48	15.19	2.25	18.16	2.65	21.05	3.27	22.50	4.54	23.95	3.78	26.84	4.92	29.89	5.50

Cooling capacity tables

16HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
40%	-5	12.31	1.37	14.63	1.60	17.24	1.82	18.00	1.91	20.30	2.02	22.50	2.29	25.18	2.47
	-2	12.31	1.39	14.63	1.62	17.24	1.86	18.00	1.94	20.30	2.05	22.50	2.30	25.18	2.52
	0	12.31	1.40	14.63	1.65	17.24	1.88	18.00	1.96	20.30	2.09	22.50	2.36	25.18	2.59
	2	12.31	1.42	14.63	1.67	17.24	1.90	18.00	2.00	20.30	2.13	22.50	2.40	25.18	2.66
	4	12.31	1.45	14.63	1.70	17.24	1.94	18.00	2.05	20.30	2.16	22.50	2.44	25.18	2.75
	6	12.31	1.49	14.63	1.72	17.24	1.97	18.00	2.08	20.30	2.22	22.50	2.50	25.18	2.79
	8	12.31	1.50	14.63	1.74	17.24	2.00	18.00	2.12	20.30	2.27	22.50	2.54	25.18	2.83
	10	12.31	1.52	14.63	1.77	17.24	2.02	18.00	2.17	20.30	2.30	22.50	2.59	25.18	2.89
	12	12.31	1.54	14.63	1.79	17.24	2.06	18.00	2.20	20.30	2.33	22.50	2.63	25.18	2.93
	14	12.31	1.57	14.63	1.82	17.24	2.09	18.00	2.23	20.30	2.38	22.50	2.66	25.18	2.99
	16	12.31	1.59	14.63	1.84	17.24	2.12	18.00	2.27	20.30	2.42	22.50	2.68	25.18	3.04
	18	12.31	1.60	14.63	1.87	17.24	2.14	18.00	2.29	20.30	2.44	22.50	2.69	25.18	3.08
	20	12.31	1.62	14.63	1.89	17.24	2.18	18.00	2.33	20.30	2.49	22.50	2.72	25.18	3.14
	21	12.31	1.64	14.63	1.92	17.24	2.22	18.00	2.38	20.30	2.57	22.50	2.76	25.18	3.36
	23	12.31	1.68	14.63	1.97	17.24	2.28	18.00	2.39	20.30	2.72	22.50	2.80	25.18	3.58
	25	12.31	1.70	14.63	2.02	17.24	2.30	18.00	2.41	20.30	2.90	22.50	2.87	25.18	3.81
	27	12.31	1.71	14.63	2.02	17.24	2.31	18.00	2.48	20.30	3.08	22.50	2.95	25.18	4.06
	29	12.31	1.79	14.63	2.11	17.24	2.35	18.00	2.50	20.30	3.27	22.50	6.36	25.18	4.31
	31	12.31	1.83	14.63	2.12	17.24	2.35	18.00	2.63	20.30	3.46	22.50	3.28	25.18	4.58
	33	12.31	1.88	14.63	2.16	17.24	2.43	18.00	2.76	20.30	3.67	22.50	3.63	25.18	4.87
	35	12.31	1.97	14.63	2.21	17.24	2.50	18.00	3.20	20.30	3.89	22.50	3.89	25.18	5.11
	37	12.31	2.07	14.63	2.34	17.24	2.60	18.00	3.27	20.30	3.92	22.50	4.05	25.18	5.13
	39	12.31	2.13	14.63	2.60	17.24	2.80	18.00	3.34	20.30	4.37	22.50	4.23	25.18	5.20
	41	12.31	2.16	14.63	3.11	17.24	2.93	18.00	3.38	20.30	4.34	22.50	4.48	25.18	5.44
	43	12.31	2.21	14.63	3.25	17.24	3.27	18.00	3.45	20.30	4.44	22.50	4.50	25.18	5.54
	45	12.31	2.23	14.63	4.01	17.24	3.70	18.00	3.39	20.30	4.37	22.50	4.90	25.18	6.07
	48	12.31	2.20	14.63	2.41	17.24	2.53	18.00	3.37	20.30	3.04	22.50	3.96	25.18	5.28
30%	-5	9.47	1.01	11.27	1.12	12.59	1.24	13.50	1.34	14.66	1.51	15.14	1.70	16.22	1.86
	-2	9.47	1.03	11.27	1.14	12.59	1.26	13.50	1.37	14.66	1.54	15.14	1.73	16.22	1.92
	0	9.47	1.05	11.27	1.16	12.59	1.28	13.50	1.41	14.66	1.56	15.14	1.76	16.22	1.98
	2	9.47	1.07	11.27	1.17	12.59	1.30	13.50	1.43	14.66	1.60	15.14	1.80	16.22	2.01
	4	9.47	1.08	11.27	1.19	12.59	1.33	13.50	1.46	14.66	1.63	15.14	1.83	16.22	2.04
	6	9.47	1.10	11.27	1.20	12.59	1.34	13.50	1.49	14.66	1.66	15.14	1.86	16.22	2.08
	8	9.47	1.11	11.27	1.22	12.59	1.37	13.50	1.51	14.66	1.68	15.14	1.90	16.22	2.11
	10	9.47	1.13	11.27	1.24	12.59	1.39	13.50	1.55	14.66	1.71	15.14	1.93	16.22	2.15
	12	9.47	1.14	11.27	1.26	12.59	1.41	13.50	1.59	14.66	1.74	15.14	1.96	16.22	2.19
	14	9.47	1.15	11.27	1.28	12.59	1.43	13.50	1.62	14.66	1.76	15.14	1.99	16.22	2.22
	16	9.47	1.17	11.27	1.29	12.59	1.45	13.50	1.64	14.66	1.79	15.14	2.02	16.22	2.27
	18	9.47	1.18	11.27	1.32	12.59	1.49	13.50	1.66	14.66	1.85	15.14	2.12	16.22	2.42
	20	9.47	1.21	11.27	1.37	12.59	1.57	13.50	1.73	14.66	1.96	15.14	2.26	16.22	2.58
	21	9.47	1.27	11.27	1.45	12.59	1.68	13.50	1.82	14.66	2.09	15.14	2.40	16.22	2.69
	23	9.47	1.34	11.27	1.31	12.59	1.78	13.50	1.89	14.66	2.22	15.14	2.55	16.22	2.84
	25	9.47	1.42	11.27	1.54	12.59	1.90	13.50	1.99	14.66	2.35	15.14	2.71	16.22	2.99
	27	9.47	1.50	11.27	1.73	12.59	2.01	13.50	2.13	14.66	2.49	15.14	2.78	16.22	3.05
	29	9.47	1.58	11.27	1.84	12.59	2.14	13.50	2.19	14.66	2.64	15.14	2.85	16.22	3.16
	31	9.47	1.67	11.27	1.94	12.59	2.27	13.50	2.26	14.66	2.80	15.14	2.97	16.22	3.22
	33	9.47	1.74	11.27	2.03	12.59	2.36	13.50	2.30	14.66	2.92	15.14	3.04	16.22	3.23
	35	9.47	1.86	11.27	2.17	12.59	2.44	13.50	2.31	14.66	3.00	15.14	3.15	16.22	3.31
	37	9.47	1.90	11.27	2.23	12.59	2.62	13.50	2.42	14.66	3.12	15.14	3.21	16.22	3.45
	39	9.47	1.96	11.27	2.31	12.59	2.80	13.50	2.49	14.66	3.22	15.14	3.27	16.22	3.54
	41	9.47	2.11	11.27	2.53	12.59	2.95	13.50	2.58	14.66	3.24	15.14	3.38	16.22	3.68
	43	9.47	2.31	11.27	2.79	12.59	3.11	13.50	2.66	14.66	3.36	15.14	3.49	16.22	3.75
	45	9.47	2.60	11.27	2.86	12.59	3.12	13.50	2.72	14.66	3.46	15.14	3.60	16.22	3.83
	48	9.47	2.27	11.27	2.15	12.59	2.25	13.50	2.77	14.66	2.49	15.14	2.50	16.22	2.80
20%	-5	6.54	0.62	7.78	0.68	9.21	0.77	9.00	0.86	11.38	0.91	12.02	1.04	13.74	1.18
	-2	6.54	0.64	7.78	0.69	9.21	0.78	9.00	0.88	11.38	0.94	12.02	1.06	13.74	1.19
	0	6.54	0.64	7.78	0.70	9.21	0.80	9.00	0.90	11.38	0.96	12.02	1.08	13.74	1.21
	2	6.54	0.65	7.78	0.71	9.21	0.81	9.00	0.92	11.38	0.97	12.02	1.10	13.74	1.24
	4	6.54	0.66	7.78	0.72	9.21	0.82	9.00	0.94	11.38	0.99	12.02	1.12	13.74	1.26
	6	6.54	0.67	7.78	0.73	9.21	0.84	9.00	0.96	11.38	1.01	12.02	1.14	13.74	1.28
	8	6.54	0.68	7.78	0.74	9.21	0.85	9.00	0.98	11.38	1.03	12.02	1.16	13.74	1.31
	10	6.54	0.69	7.78	0.75	9.21	0.86	9.00	0.99	11.38	1.04	12.02	1.18	13.74	1.32
	12	6.54	0.70	7.78	0.76	9.21	0.88	9.00	1.01	11.38	1.06	12.02	1.20	13.74	1.35
	14	6.54	0.71	7.78	0.78	9.21	0.90	9.00	1.02	11.38	1.09	12.02	1.26	13.74	1.45
	16	6.54	0.72	7.78	0.81	9.21	0.95	9.00	1.04	11.38	1.16	12.02	1.35	13.74	1.55
	18	6.54	0.76	7.78	0.86	9.21	1.02	9.00	1.07	11.38	1.24	12.02	1.44	13.74	1.65
	20	6.54	0.81	7.78	0.78	9.21	1.08	9.00	1.12	11.38	1.32	12.02	1.53	13.74	1.67
	21	6.54	0.86	7.78	0.92	9.21	1.16	9.00	1.15	11.38	1.41	12.02	1.60	13.74	1.76
	23	6.54	0.91	7.78	1.04	9.21	1.23	9.00	1.19	11.38	1.49	12.02	1.65	13.74	1.81
	25	6.54	0.96	7.78	1.10	9.21	1.31	9.00	1.24	11.38	1.59	12.02	1.67	13.74	1.89
	27	6.54	1.01	7.78	1.17	9.21	1.39	9.00	1.31	11.38	1.69	12.02	1.72	13.74	1.95
	29	6.54	1.06	7.78	1.22	9.21	1.44	9.00	1.35	11.38	1.76	12.02	1.81	13.74	1.96
	31	6.54	1.13	7.78	1.31	9.21	1.49	9.00	1.40	11.38	1.81	12.02	1.85	13.74	2.05
	33	6.54	1.15	7.78	1.34	9.21	1.60	9.00	1.43	11.38	1.89	12.02	1.93	13.74	2.09
	35	6.54	1.19	7.78	1.40	9.21	1.71	9.00	1.44	11.38	1.99	12.02	1.98	13.74	2.14
	37	6.54	1.29	7.78	1.53	9.21	1.81	9.00	1.51	11.38	2.05	12.02	2.01	13.74	2.23
	39	6.54	1.41	7.78	1.69	9.21	1.91	9.00	1.55	11.38	2.22	12.02	2.09	13.74	2.28
	41	6.54	1.59	7.78	1.74	9.21	1.91	9.00	1.61	11.38	2.24	12.02	2.13	13.74	2.35
	43	6.54	1.68	7.78	1.78	9.21	1.96	9.00	1.65	11.38	2.29	12.02	2.20	13.74	2.42
	45	6.54	1.72	7.78	1.85	9.21	2.01	9.00	1.70	11.38	2.38	12.02	2.27	13.74	2.51
	48	6.54	1.45	7.78	1.48	9.21	1.62	9.00	1.73	11.38	1.53	12.02	1.41	13.74	1.76

Cooling capacity tables

16HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
10%	-5	3.38	0.34	4.06	0.39	6.40	0.45	4.50	0.40	5.86	0.51	6.26	0.58	7.13	0.62
	-2	3.38	0.34	4.06	0.40	6.40	0.46	4.50	0.40	5.86	0.52	6.26	0.59	7.13	0.65
	0	3.38	0.35	4.06	0.40	6.40	0.46	4.50	0.40	5.86	0.53	6.26	0.60	7.13	0.66
	2	3.38	0.35	4.06	0.41	6.40	0.47	4.50	0.40	5.86	0.54	6.26	0.61	7.13	0.68
	4	3.38	0.36	4.06	0.42	6.40	0.48	4.50	0.41	5.86	0.55	6.26	0.62	7.13	0.69
	6	3.38	0.36	4.06	0.42	6.40	0.48	4.50	0.41	5.86	0.55	6.26	0.62	7.13	0.70
	8	3.38	0.37	4.06	0.43	6.40	0.49	4.50	0.42	5.86	0.56	6.26	0.63	7.13	0.71
	10	3.38	0.37	4.06	0.43	6.40	0.50	4.50	0.42	5.86	0.58	6.26	0.67	7.13	0.76
	12	3.38	0.38	4.06	0.45	6.40	0.53	4.50	0.42	5.86	0.59	6.26	0.71	7.13	0.81
	14	3.38	0.40	4.06	0.48	6.40	0.56	4.50	0.42	5.86	0.60	6.26	0.75	7.13	0.86
	16	3.38	0.42	4.06	0.43	6.40	0.60	4.50	0.43	5.86	0.63	6.26	0.80	7.13	0.89
	18	3.38	0.45	4.06	0.50	6.40	0.63	4.50	0.43	5.86	0.66	6.26	0.84	7.13	0.93
	20	3.38	0.47	4.06	0.57	6.40	0.67	4.50	0.43	5.86	0.69	6.26	0.87	7.13	0.94
	21	3.38	0.50	4.06	0.60	6.40	0.71	4.50	0.46	5.86	0.72	6.26	0.92	7.13	0.98
	23	3.38	0.52	4.06	0.63	6.40	0.75	4.50	0.49	5.86	0.81	6.26	0.95	7.13	1.01
	25	3.38	0.55	4.06	0.66	6.40	0.78	4.50	0.52	5.86	0.87	6.26	1.00	7.13	1.05
	27	3.38	0.58	4.06	0.70	6.40	0.80	4.50	0.56	5.86	0.92	6.26	1.01	7.13	1.08
	29	3.38	0.60	4.06	0.72	6.40	0.86	4.50	0.62	5.86	0.94	6.26	1.06	7.13	1.11
	31	3.38	0.61	4.06	0.75	6.40	0.87	4.50	0.64	5.86	0.96	6.26	1.08	7.13	1.16
	33	3.38	0.66	4.06	0.82	6.40	0.92	4.50	0.67	5.86	0.98	6.26	1.11	7.13	1.18
	35	3.38	0.73	4.06	0.90	6.40	0.95	4.50	0.72	5.86	1.01	6.26	1.15	7.13	1.23
	37	3.38	0.82	4.06	0.92	6.40	0.99	4.50	0.73	5.86	1.04	6.26	1.18	7.13	1.25
	39	3.38	0.86	4.06	0.94	6.40	1.01	4.50	0.74	5.86	1.08	6.26	1.23	7.13	1.29
	41	3.38	0.88	4.06	0.97	6.40	1.04	4.50	0.76	5.86	1.11	6.26	1.25	7.13	1.31
	43	3.38	0.91	4.06	1.00	6.40	1.08	4.50	0.77	5.86	1.15	6.26	1.27	7.13	1.38
	45	3.38	0.94	4.06	1.02	6.40	1.09	4.50	0.78	5.86	1.17	6.26	1.30	7.13	1.08
	48	3.38	0.71	4.06	0.74	6.40	0.81	4.50	0.80	5.86	0.82	6.26	0.89	7.13	0.74

Cooling capacity tables

18HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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%	-5	43.93	6.00	53.41	6.72	60.25	7.25	61.98	7.86	66.29	8.40	68.11	9.13	68.64	9.19
	-2	43.93	6.00	53.41	6.86	60.25	7.25	61.98	7.91	66.29	8.40	68.11	9.25	68.64	9.28
	0	43.93	6.10	53.41	6.99	60.25	7.53	61.98	8.36	66.29	8.88	68.11	9.36	68.64	9.40
	2	43.93	6.21	53.41	7.01	60.25	7.81	61.98	8.85	66.29	8.99	68.11	9.43	68.64	9.54
	4	43.93	6.35	53.41	7.15	60.25	8.10	61.98	8.89	66.29	9.10	68.11	9.42	68.64	9.72
	6	43.93	6.47	53.41	7.31	60.25	8.42	61.98	8.97	65.15	9.38	66.13	9.42	67.88	9.79
	8	43.93	6.62	53.41	7.49	60.25	8.88	61.98	9.42	64.50	9.69	65.41	9.47	67.01	9.89
	10	43.93	6.76	53.41	7.67	60.25	9.23	61.98	9.74	63.88	9.76	64.66	9.76	66.25	10.18
	12	43.93	6.88	53.41	7.82	60.25	9.42	61.84	9.86	62.36	10.02	63.77	9.93	65.36	10.24
	14	43.93	7.02	53.41	7.98	59.89	9.47	61.33	9.91	61.48	10.11	63.07	10.10	64.66	10.47
	16	43.93	7.14	53.41	8.16	59.18	9.73	60.26	10.11	60.59	10.31	62.18	10.34	63.77	10.64
	18	43.93	7.27	53.41	8.34	58.30	9.88	59.29	10.24	59.89	10.60	61.48	10.70	63.07	10.79
	20	43.93	7.43	53.41	8.91	57.41	10.39	58.30	10.75	59.00	11.11	60.59	11.21	62.18	11.33
	21	43.93	7.63	53.41	9.25	57.06	10.65	57.94	11.01	58.65	11.37	60.24	11.49	61.83	11.58
	23	43.93	8.18	53.41	9.96	56.35	11.16	57.06	11.52	57.76	11.88	59.35	12.00	60.94	12.12
	25	43.93	8.74	53.41	10.71	55.47	11.68	56.18	12.04	57.06	12.42	58.65	12.53	60.24	12.65
	27	43.93	9.33	53.41	11.50	54.76	12.19	55.47	12.81	56.18	12.93	57.76	13.07	59.35	13.21
	29	43.93	9.96	53.41	12.33	53.88	12.71	54.59	13.50	55.47	13.46	57.06	13.60	58.65	13.74
	31	43.93	10.64	51.59	13.08	53.00	13.24	53.88	14.17	54.59	13.98	56.18	14.13	57.76	14.29
	33	43.93	11.33	50.70	13.60	52.29	13.75	53.00	14.94	53.88	14.51	55.47	14.67	56.88	14.83
	35	43.93	12.08	49.82	14.11	51.41	14.29	52.29	14.97	53.00	15.04	54.59	15.22	56.18	15.38
	37	43.93	12.85	49.11	14.64	50.70	14.82	51.41	15.20	52.29	15.60	53.70	15.78	55.29	15.95
	39	43.93	13.68	48.23	14.80	49.82	15.34	50.70	15.73	51.41	16.13	53.00	16.31	54.59	16.51
	41	43.93	14.40	47.73	14.95	49.29	15.48	50.18	15.88	50.88	16.28	52.47	16.34	52.49	16.66
	43	43.93	14.76	47.38	15.03	49.03	15.53	49.92	15.96	50.36	16.30	51.52	16.37	51.87	16.69
	45	43.93	15.50	47.08	15.18	48.51	15.68	49.39	16.06	49.63	16.38	50.12	16.43	50.85	17.01
	48	43.46	16.05	48.76	15.69	52.88	15.83	53.86	16.21	54.30	16.56	54.06	16.71	55.05	16.76

Cooling capacity tables

18HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
120%	-5	41.25	5.75	47.88	6.23	55.69	7.21	58.01	8.10	62.43	8.63	63.85	9.37	65.26	9.63
	-2	41.25	5.81	47.88	6.30	55.69	7.29	58.01	8.15	62.43	8.74	63.85	9.45	65.26	9.66
	0	41.25	5.86	47.88	6.35	55.69	7.39	58.01	8.18	62.43	8.83	63.85	9.51	65.26	9.69
	2	41.25	5.88	47.88	6.43	55.69	7.44	58.01	8.26	62.43	8.86	63.85	9.58	65.26	9.70
	4	41.25	5.94	47.88	6.52	55.69	7.56	58.01	8.35	62.43	8.99	63.85	9.61	65.26	9.73
	6	41.25	6.00	47.88	6.57	55.69	7.67	58.01	8.45	62.43	9.10	63.85	9.69	65.26	9.76
	8	41.25	6.06	47.88	6.65	55.69	7.78	58.01	8.57	62.43	9.20	63.85	9.72	65.26	9.81
	10	41.25	6.13	47.88	6.74	55.69	7.86	58.01	8.74	62.43	9.20	63.85	9.75	65.26	9.86
	12	41.25	6.25	47.88	6.88	55.69	8.04	58.01	8.92	61.54	9.24	62.96	9.69	64.37	9.92
	14	41.25	6.36	47.88	7.04	55.69	8.22	58.01	9.11	60.65	9.31	62.25	9.84	63.67	10.04
	16	41.25	6.48	47.88	7.20	55.69	8.39	57.39	9.24	59.94	9.45	61.36	10.01	62.78	10.20
	18	41.25	6.60	47.88	7.35	55.69	8.71	57.20	9.52	59.06	9.71	60.48	10.25	62.07	10.35
	20	41.25	6.74	47.88	7.67	55.69	9.46	57.10	10.04	58.35	10.22	59.77	10.76	61.19	10.86
	21	41.25	6.80	47.88	7.96	55.69	9.83	57.10	10.66	57.81	10.48	59.41	11.02	60.83	11.14
	23	41.25	7.27	47.88	8.59	55.69	10.59	56.40	11.51	57.10	10.99	58.52	11.55	59.94	11.65
	25	41.25	7.76	47.88	9.24	54.80	11.10	55.51	12.00	56.22	11.50	57.81	12.06	59.23	12.18
	27	41.25	8.29	47.88	9.93	54.09	11.60	54.80	12.78	55.51	12.03	56.93	12.59	58.35	12.71
	29	41.25	8.84	47.88	10.65	53.20	12.11	53.91	13.33	54.62	12.54	56.04	13.12	57.64	13.24
	31	41.25	9.43	47.88	11.42	52.31	12.64	53.20	13.98	53.91	13.07	55.33	13.65	56.75	13.79
	33	41.25	10.04	47.88	12.23	51.60	13.15	52.32	14.58	53.02	13.58	54.44	14.18	55.86	14.32
	35	41.25	10.69	47.88	13.09	50.72	13.66	51.43	14.77	52.31	14.11	53.73	14.71	55.15	14.87
	37	41.25	11.37	47.88	13.99	50.01	14.19	50.72	14.86	51.43	14.64	52.85	15.24	54.27	15.42
	39	41.25	12.10	47.71	14.82	49.13	14.70	49.84	14.95	50.55	15.17	52.14	15.79	53.56	15.95
	41	41.25	12.43	47.32	14.93	48.74	14.81	49.45	15.06	50.16	15.28	51.75	15.84	52.02	16.07
	43	41.25	12.62	47.07	15.04	48.35	14.91	49.06	15.12	49.77	15.34	50.85	15.88	51.21	16.40
	45	41.25	12.76	46.81	15.19	47.89	15.05	48.55	15.27	49.34	15.47	49.83	15.93	50.70	16.76
	48	46.64	12.87	53.77	15.36	54.77	15.20	55.36	15.39	56.54	15.60	56.83	15.99	57.96	16.98
110%	-5	38.23	5.03	44.18	5.67	53.45	6.73	54.87	7.57	58.43	8.33	62.88	8.66	64.31	9.23
	-2	38.23	5.12	44.18	5.75	53.45	6.80	54.87	7.65	58.43	8.40	62.88	8.75	64.31	9.28
	0	38.23	5.17	44.18	5.79	53.45	6.85	54.87	7.71	58.43	8.49	62.88	8.84	64.31	9.39
	2	38.23	5.29	44.18	5.85	53.45	6.97	54.87	7.79	58.43	8.59	62.88	8.97	64.31	9.51
	4	38.23	5.39	44.18	5.92	53.45	7.04	54.87	7.90	58.43	8.72	62.88	9.10	64.31	9.60
	6	38.23	5.45	44.18	6.00	53.45	7.12	54.87	8.03	58.43	8.82	62.88	9.20	64.31	9.75
	8	38.23	5.50	44.18	6.10	53.45	7.21	54.87	8.12	58.43	8.93	62.88	9.26	64.31	9.85
	10	38.23	5.56	44.18	6.19	53.45	7.32	54.87	8.26	58.43	9.08	62.88	9.33	64.31	9.93
	12	38.23	5.68	44.18	6.33	53.45	7.48	54.87	8.44	58.43	9.26	62.17	9.47	63.42	10.06
	14	38.23	5.78	44.18	6.45	53.45	7.64	54.87	8.60	58.43	9.43	61.28	9.55	62.71	10.13
	16	38.23	5.88	44.18	6.58	53.45	7.79	54.87	8.77	58.43	9.63	60.57	9.67	61.81	10.24
	18	38.23	5.99	44.18	6.72	53.45	7.97	54.87	9.03	58.43	10.10	59.68	10.18	61.10	10.57
	20	38.23	6.11	44.18	6.88	53.45	8.48	54.87	9.74	57.54	10.61	58.96	10.69	60.21	11.08
	21	38.23	6.17	44.18	7.09	53.45	8.81	54.87	10.50	57.18	10.87	58.43	10.94	59.85	11.34
	23	38.23	6.46	44.18	7.65	53.45	9.50	54.87	11.18	56.29	11.36	57.72	11.47	58.96	11.87
	25	38.23	6.90	44.18	8.21	53.45	10.21	54.87	11.92	55.58	11.87	56.83	11.99	58.25	12.38
	27	38.23	7.35	44.18	8.82	53.45	10.98	53.98	12.50	54.69	12.38	56.12	12.50	57.36	12.91
	29	38.23	7.84	44.18	9.45	53.45	11.78	53.26	13.23	53.98	12.91	55.22	13.03	56.65	13.44
	31	38.23	8.35	44.18	10.12	53.45	12.63	52.37	13.96	53.09	13.42	54.51	13.54	55.76	13.97
	33	38.23	8.88	44.18	10.83	53.45	13.35	51.66	14.50	52.37	13.93	53.62	14.07	55.04	14.50
	35	38.23	9.45	44.18	11.57	50.06	13.86	50.77	14.68	51.48	14.46	52.73	14.60	54.16	15.03
	37	38.23	10.06	44.18	12.36	49.34	14.40	50.06	14.75	50.59	14.97	52.02	15.13	53.26	15.56
	39	38.23	10.69	44.18	13.21	48.45	14.91	49.17	15.28	49.88	15.50	51.13	15.66	52.55	16.11
	41	38.23	10.80	44.18	13.32	48.07	15.02	48.78	15.39	49.50	15.61	50.48	15.77	50.97	16.22
	43	38.23	10.91	44.18	13.50	47.69	15.13	48.40	15.50	49.12	15.72	50.03	15.83	50.19	16.55
	45	38.23	11.26	44.18	13.57	47.21	15.27	47.90	15.69	48.68	15.87	49.52	16.27	49.72	16.93
	48	39.88	11.58	47.55	14.67	50.08	15.27	50.73	15.70	51.80	15.93	52.42	16.22	52.83	17.01
100%	-5	35.08	5.19	41.18	5.66	49.31	6.24	50.00	7.32	53.22	7.15	59.82	7.92	63.22	8.73
	-2	35.08	5.26	41.18	5.73	49.31	6.36	50.00	7.38	53.22	7.25	59.82	8.02	63.22	8.79
	0	35.08	5.32	41.18	5.80	49.31	6.47	50.00	7.49	53.22	7.32	59.82	8.16	63.22	8.89
	2	35.08	5.40	41.18	5.87	49.31	6.61	50.00	7.56	53.22	7.41	59.82	8.29	63.22	9.03
	4	35.08	5.45	41.18	5.97	49.31	6.70	50.00	7.67	53.22	7.51	59.82	8.38	63.22	9.14
	6	35.08	5.57	41.18	6.06	49.31	6.82	50.00	7.83	53.22	7.63	59.82	8.51	63.22	9.28
	8	35.08	5.66	41.18	6.19	49.31	6.94	50.00	7.97	53.22	7.76	59.82	8.66	63.22	9.44
	10	35.08	5.77	41.18	6.30	49.31	7.05	50.00	8.10	53.22	7.91	59.82	8.81	63.22	9.58
	12	35.08	5.89	41.18	6.44	49.31	7.32	50.00	8.26	53.22	8.07	59.82	8.99	62.32	9.66
	14	35.08	6.00	41.18	6.58	49.31	7.66	50.00	8.78	53.22	8.22	59.82	9.18	61.61	9.78
	16	35.08	6.12	41.18	6.73	49.31	7.85	50.00	9.01	53.22	8.40	59.47	9.30	60.72	9.89
	18	35.08	6.24	41.18	6.87	49.31	8.15	50.00	9.36	53.22	8.57	58.75	9.63	60.00	10.15
	20	35.08	6.37	41.18	7.10	49.31	8.83	50.00	10.00	53.22	9.22	57.86	10.12	59.11	10.65
	21	35.08	6.43	41.18	7.40	49.31	9.46	50.00	10.61	53.22	9.55	57.50	10.37	58.75	10.91
	23	35.08	6.88	41.18	7.98	49.31	10.17	50.00	11.34	53.22	10.27	56.79	10.88	57.86	11.42
	25	35.08	7.37	41.18	8.61	49.31	10.98	50.00	11.91	53.22	11.04	55.90	11.39	57.14	11.92
	27	35.08	7.88	41.18	9.25	49.31	11.62	50.00	12.60	53.22	11.84	55.00	11.90	56.25	12.45
	29	35.08	8.43	41.18	9.94	49.31	12.50	50.00	12.99	53.04	12.60	54.29	12.43	55.54	12.96
	31	35.08	9.01	41.18	10.66	49.31	13.36	50.00	13.23	52.32	13.11	53.40	12.93	54.64	13.49
	33	35.08	9.62	41.18	11.42	49.31	14.00	50.00	13.61	51.43	13.62	52.68	13.44	53.93	14.01
	35	35.08	10.24	41.18	12.24	49.31	14.29	50.00	14.50	50.54	14.12	51.79	13.97	53.04	14.52
	37	35.08	10.93	41.18	13.10	49.31	14.39	49.11	14.63	50.00	14.65	51.07	14.50	52.15	15.05
	39	35.08	11.63	41.18	14.00	49.31	14.65	48.43	14.65	50.00	15.16	50.18	15.01	51.43	15.60
	41	35.08	12.07	41.18	14.54	49.31	14.86	48.11	14.86	50.00	15.40	49.31	15.38	50.68	15.92
	43	35.08	12.50	41.18	14.83	49.31	14.97	47.94	14.97	50.00	15.55	49.60	15.48	49.79	16.11
	45	35.08	13.08	41.18	15.10	49.31	15.11	47.62	15.11	50.00	15.84	49.18	15.73	48.79	16.32
	48	34.34	13.45	40.88	15.02	47.60	15.21	47.14	15.21	50.00	16.02	46.99	15.79	48.55	16.36

Cooling capacity tables

18HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
90%	-5	30.36	3.90	36.25	4.43	42.14	5.15	45.00	5.78	47.86	6.40	53.75	7.36	59.64	8.43
	-2	30.36	3.93	36.25	4.48	42.14	5.23	45.00	5.86	47.86	6.48	53.75	7.43	59.64	8.51
	0	30.36	3.99	36.25	4.54	42.14	5.31	45.00	5.93	47.86	6.56	53.75	7.52	59.64	8.58
	2	30.36	4.05	36.25	4.60	42.14	5.37	45.00	6.03	47.86	6.66	53.75	7.67	59.64	8.70
	4	30.36	4.11	36.25	4.67	42.14	5.47	45.00	6.11	47.86	6.75	53.75	7.79	59.64	8.83
	6	30.36	4.17	36.25	4.77	42.14	5.57	45.00	6.23	47.86	6.87	53.75	7.91	59.64	8.98
	8	30.36	4.25	36.25	4.87	42.14	5.69	45.00	6.32	47.86	6.99	53.75	8.06	59.64	9.06
	10	30.36	4.33	36.25	4.98	42.14	5.80	45.00	6.41	47.86	7.15	53.75	8.16	59.64	9.21
	12	30.36	4.40	36.25	5.07	42.14	5.92	45.00	6.53	47.86	7.28	53.75	8.32	59.64	9.38
	14	30.36	4.48	36.25	5.17	42.14	6.03	45.00	6.66	47.86	7.41	53.75	8.47	59.64	9.55
	16	30.36	4.56	36.25	5.26	42.14	6.16	45.00	6.79	47.86	7.56	53.75	8.64	59.64	9.72
	18	30.36	4.63	36.25	5.38	42.14	6.28	45.00	6.93	47.86	7.71	53.75	8.81	59.64	10.02
	20	30.36	4.73	36.25	5.50	42.14	6.41	45.00	7.08	47.86	8.00	53.75	9.47	59.64	10.49
	21	30.36	4.76	36.25	5.54	42.14	6.52	45.00	7.62	47.86	8.28	53.75	9.81	59.64	10.74
	23	30.36	4.86	36.25	5.77	42.14	7.01	45.00	8.26	47.86	8.88	53.75	10.53	59.64	11.23
	25	30.36	5.12	36.25	6.19	42.14	7.52	45.00	8.65	47.86	9.49	53.75	11.27	59.64	11.72
	27	30.36	5.45	36.25	6.60	42.14	8.05	45.00	9.33	47.86	10.15	53.75	12.06	59.64	12.21
	29	30.36	5.80	36.25	7.06	42.14	8.62	45.00	9.85	47.86	10.85	53.75	12.61	59.64	12.70
	31	30.36	6.16	36.25	7.53	42.14	9.21	45.00	10.66	47.86	11.57	53.75	13.10	59.64	13.21
	33	30.36	6.54	36.25	8.02	42.14	9.85	45.00	11.47	47.86	12.35	53.75	13.61	59.64	13.71
	35	30.36	6.96	36.25	8.55	42.14	10.51	45.00	11.99	47.86	13.16	53.75	14.10	59.64	14.22
	37	30.36	7.37	36.25	9.10	42.14	11.21	45.00	12.52	47.86	14.03	53.75	14.59	59.64	14.71
	39	30.36	7.83	36.25	9.70	42.14	11.95	45.00	12.73	47.86	14.94	53.75	15.11	59.64	15.22
	41	30.36	8.10	36.25	10.15	42.14	12.40	45.00	12.96	47.86	15.03	53.75	15.49	59.64	15.58
	43	30.36	8.49	36.25	10.60	42.14	12.85	45.00	13.21	47.86	15.35	53.75	15.69	59.64	15.82
	45	30.36	9.03	36.25	11.14	42.14	13.39	45.00	13.44	47.86	15.77	53.75	15.85	59.64	16.03
	48	30.36	8.14	36.25	9.94	42.14	11.83	45.00	13.56	47.86	13.59	53.75	13.74	59.64	13.88
80%	-5	26.96	3.25	32.14	3.85	37.32	4.37	40.00	3.84	42.68	5.22	47.86	6.03	53.04	6.88
	-2	26.96	3.30	32.14	3.90	37.32	4.40	40.00	3.85	42.68	5.27	47.86	6.09	53.04	6.95
	0	26.96	3.36	32.14	3.94	37.32	4.46	40.00	3.94	42.68	5.36	47.86	6.17	53.04	7.05
	2	26.96	3.43	32.14	4.00	37.32	4.53	40.00	4.10	42.68	5.46	47.86	6.30	53.04	7.18
	4	26.96	3.48	32.14	4.07	37.32	4.62	40.00	4.12	42.68	5.55	47.86	6.41	53.04	7.28
	6	26.96	3.54	32.14	4.16	37.32	4.69	40.00	4.23	42.68	5.66	47.86	6.51	53.04	7.40
	8	26.96	3.61	32.14	4.26	37.32	4.81	40.00	4.39	42.68	5.78	47.86	6.61	53.04	7.54
	10	26.96	3.64	32.14	4.36	37.32	4.94	40.00	4.44	42.68	5.92	47.86	6.76	53.04	7.62
	12	26.96	3.69	32.14	4.43	37.32	5.02	40.00	4.55	42.68	6.04	47.86	6.88	53.04	7.76
	14	26.96	3.77	32.14	4.52	37.32	5.11	40.00	4.64	42.68	6.15	47.86	7.01	53.04	7.91
	16	26.96	3.82	32.14	4.59	37.32	5.22	40.00	4.76	42.68	6.26	47.86	7.15	53.04	8.05
	18	26.96	3.89	32.14	4.68	37.32	5.33	40.00	4.92	42.68	6.38	47.86	7.30	53.04	8.21
	20	26.96	3.96	32.14	4.77	37.32	5.44	40.00	5.36	42.68	6.51	47.86	7.57	53.04	8.78
	21	26.96	4.00	32.14	4.80	37.32	5.49	40.00	5.76	42.68	6.65	47.86	7.83	53.04	9.11
	23	26.96	4.07	32.14	4.91	37.32	5.76	40.00	6.24	42.68	7.12	47.86	8.39	53.04	9.77
	25	26.96	4.19	32.14	5.22	37.32	6.17	40.00	6.72	42.68	7.60	47.86	8.98	53.04	10.45
	27	26.96	4.46	32.14	5.56	37.32	6.59	40.00	7.36	42.68	8.12	47.86	9.59	53.04	11.19
	29	26.96	4.75	32.14	5.92	37.32	7.03	40.00	7.67	42.68	8.68	47.86	10.24	53.04	11.96
	31	26.96	5.04	32.14	6.29	37.32	7.50	40.00	8.20	42.68	9.25	47.86	10.94	53.04	12.42
	33	26.96	5.36	32.14	6.69	37.32	8.00	40.00	8.74	42.68	9.84	47.86	11.65	53.04	12.89
	35	26.96	5.68	32.14	7.12	37.32	8.52	40.00	9.57	42.68	10.49	47.86	12.42	53.04	13.36
	37	26.96	6.02	32.14	7.55	37.32	9.08	40.00	9.69	42.68	11.17	47.86	13.25	53.04	13.82
	39	26.96	6.38	32.14	8.05	37.32	9.67	40.00	9.85	42.68	11.89	47.86	14.11	53.04	14.31
	41	26.96	6.53	32.14	8.12	37.32	9.81	40.00	10.01	42.68	12.10	47.86	14.47	53.04	14.56
	43	26.96	6.72	32.14	8.19	37.32	9.96	40.00	10.12	42.68	12.27	47.86	14.64	53.04	14.71
	45	26.96	6.91	32.14	8.29	37.32	10.15	40.00	10.26	42.68	12.48	47.86	14.80	53.04	14.95
	48	26.96	6.01	32.14	7.03	37.32	8.66	40.00	10.48	42.68	10.60	47.86	12.59	53.04	12.77
70%	-5	23.57	2.78	28.21	3.26	32.68	3.54	35.00	3.78	37.32	4.22	41.79	4.83	46.43	5.56
	-2	23.57	2.80	28.21	3.27	32.68	3.56	35.00	3.80	37.32	4.30	41.79	4.91	46.43	5.63
	0	23.57	2.82	28.21	3.32	32.68	3.64	35.00	3.81	37.32	4.38	41.79	5.01	46.43	5.71
	2	23.57	2.83	28.21	3.33	32.68	3.70	35.00	3.92	37.32	4.45	41.79	5.11	46.43	5.80
	4	23.57	2.87	28.21	3.42	32.68	3.78	35.00	3.98	37.32	4.55	41.79	5.20	46.43	5.94
	6	23.57	2.91	28.21	3.48	32.68	3.88	35.00	4.06	37.32	4.66	41.79	5.29	46.43	6.05
	8	23.57	2.97	28.21	3.58	32.68	3.97	35.00	4.13	37.32	4.76	41.79	5.44	46.43	6.16
	10	23.57	3.03	28.21	3.63	32.68	4.08	35.00	4.20	37.32	4.88	41.79	5.55	46.43	6.24
	12	23.57	3.10	28.21	3.68	32.68	4.17	35.00	4.28	37.32	4.97	41.79	5.66	46.43	6.36
	14	23.57	3.15	28.21	3.75	32.68	4.24	35.00	4.41	37.32	5.06	41.79	5.76	46.43	6.48
	16	23.57	3.21	28.21	3.82	32.68	4.32	35.00	4.43	37.32	5.16	41.79	5.86	46.43	6.60
	18	23.57	3.26	28.21	3.89	32.68	4.41	35.00	4.44	37.32	5.24	41.79	5.98	46.43	6.74
	20	23.57	3.31	28.21	3.96	32.68	4.49	35.00	4.73	37.32	5.35	41.79	6.10	46.43	6.92
	21	23.57	3.34	28.21	3.99	32.68	4.53	35.00	5.07	37.32	5.40	41.79	6.19	46.43	7.16
	23	23.57	3.39	28.21	4.06	32.68	4.63	35.00	5.34	37.32	5.67	41.79	6.63	46.43	7.68
	25	23.57	3.46	28.21	4.23	32.68	4.94	35.00	5.74	37.32	6.05	41.79	7.10	46.43	8.21
	27	23.57	3.67	28.21	4.51	32.68	5.28	35.00	6.15	37.32	6.46	41.79	7.58	46.43	8.78
	29	23.57	3.89	28.21	4.78	32.68	5.62	35.00	6.43	37.32	6.87	41.79	8.07	46.43	9.38
	31	23.57	4.11	28.21	5.07	32.68	6.00	35.00	6.86	37.32	7.32	41.79	8.60	46.43	9.99
	33	23.57	4.37	28.21	5.40	32.68	6.40	35.00	7.28	37.32	7.80	41.79	9.17	46.43	10.66
	35	23.57	4.63	28.21	5.72	32.68	6.79	35.00	7.61	37.32	8.30	41.79	9.77	46.43	11.36
	37	23.57	4.88	28.21	6.07	32.68	7.23	35.00	7.73	37.32	8.83	41.79	10.40	46.43	12.10
	39	23.57	5.18	28.21	6.43	32.68	7.68	35.00	7.85	37.32	9.38	41.79	11.05	46.43	12.89
	41	23.57	5.40	28.21	6.66	32.68	7.91	35.00	8.23	37.32	9.66	41.79	11.51	46.43	13.46
	43	23.57	5.84	28.21	7.11	32.68	8.24	35.00	8.56	37.32	9.95	41.79	11.93	46.43	13.88
	45	23.57	5.97	28.21	7.26	32.68	8.42	35.00	8.80	37.32	10.44	41.79	12.58	46.43	14.41
	48	23.57	4.29	28.21	5.13	32.68	5.91	35.00	8.97	37.32	7.51	41.79	9.20	46.43	10.33

Cooling capacity tables

18HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
60%	-5	20.18	2.27	24.11	2.64	28.04	3.07	30.00	3.27	31.97	3.54	35.89	3.97	39.82	4.55
	-2	20.18	2.29	24.11	2.68	28.04	3.13	30.00	3.32	31.97	3.57	35.89	4.03	39.82	4.58
	0	20.18	2.32	24.11	2.71	28.04	3.17	30.00	3.36	31.97	3.63	35.89	4.09	39.82	4.64
	2	20.18	2.36	24.11	2.77	28.04	3.23	30.00	3.43	31.97	3.68	35.89	4.17	39.82	4.70
	4	20.18	2.43	24.11	2.83	28.04	3.29	30.00	3.47	31.97	3.73	35.89	4.24	39.82	4.77
	6	20.18	2.45	24.11	2.88	28.04	3.35	30.00	3.55	31.97	3.81	35.89	4.32	39.82	4.88
	8	20.18	2.50	24.11	2.93	28.04	3.42	30.00	3.61	31.97	3.89	35.89	4.40	39.82	4.96
	10	20.18	2.55	24.11	2.99	28.04	3.47	30.00	3.72	31.97	3.96	35.89	4.49	39.82	5.03
	12	20.18	2.60	24.11	3.04	28.04	3.54	30.00	3.78	31.97	4.03	35.89	4.57	39.82	5.11
	14	20.18	2.63	24.11	3.09	28.04	3.58	30.00	3.85	31.97	4.11	35.89	4.65	39.82	5.21
	16	20.18	2.66	24.11	3.14	28.04	3.65	30.00	3.91	31.97	4.18	35.89	4.74	39.82	5.31
	18	20.18	2.71	24.11	3.19	28.04	3.72	30.00	3.98	31.97	4.26	35.89	4.82	39.82	5.41
	20	20.18	2.75	24.11	3.26	28.04	3.78	30.00	4.06	31.97	4.34	35.89	4.92	39.82	5.52
	21	20.18	2.78	24.11	3.27	28.04	3.81	30.00	4.35	31.97	4.37	35.89	4.97	39.82	5.57
	23	20.18	2.81	24.11	3.34	28.04	3.88	30.00	4.65	31.97	4.46	35.89	5.16	39.82	5.94
	25	20.18	2.86	24.11	3.39	28.04	4.03	30.00	4.91	31.97	4.74	35.89	5.51	39.82	6.33
	27	20.18	2.98	24.11	3.60	28.04	4.29	30.00	5.23	31.97	5.05	35.89	5.87	39.82	6.76
	29	20.18	3.14	24.11	3.81	28.04	4.57	30.00	5.37	31.97	5.38	35.89	6.26	39.82	7.22
	31	20.18	3.34	24.11	4.05	28.04	4.85	30.00	5.66	31.97	5.72	35.89	6.66	39.82	7.68
	33	20.18	3.52	24.11	4.29	28.04	5.15	30.00	5.90	31.97	6.08	35.89	7.09	39.82	8.19
	35	20.18	3.73	24.11	4.55	28.04	5.46	30.00	5.95	31.97	6.46	35.89	7.55	39.82	8.71
	37	20.18	3.95	24.11	4.82	28.04	5.79	30.00	6.31	31.97	6.86	35.89	8.02	39.82	9.27
	39	20.18	4.16	24.11	5.10	28.04	6.13	30.00	6.69	31.97	7.28	35.89	8.52	39.82	9.87
	41	20.18	4.29	24.11	5.32	28.04	6.36	30.00	6.96	31.97	7.55	35.89	8.92	39.82	10.31
	43	20.18	4.43	24.11	5.54	28.04	6.58	30.00	7.17	31.97	7.82	35.89	9.30	39.82	10.76
	45	20.18	4.64	24.11	5.82	28.04	6.85	30.00	7.44	31.97	8.20	35.89	9.71	39.82	11.35
	48	20.18	3.26	24.11	4.12	28.04	4.80	30.00	5.17	31.97	5.77	35.89	6.82	39.82	8.06
50%	-5	16.88	2.00	20.18	2.21	23.39	2.48	25.00	2.82	26.61	2.93	29.82	3.33	33.22	3.59
	-2	16.88	2.01	20.18	2.26	23.39	2.51	25.00	2.89	26.61	2.98	29.82	3.38	33.22	3.64
	0	16.88	2.04	20.18	2.30	23.39	2.55	25.00	2.90	26.61	3.02	29.82	3.43	33.22	3.70
	2	16.88	2.07	20.18	2.33	23.39	2.58	25.00	2.91	26.61	3.07	29.82	3.45	33.22	3.77
	4	16.88	2.09	20.18	2.37	23.39	2.63	25.00	2.92	26.61	3.13	29.82	3.53	33.22	3.87
	6	16.88	2.13	20.18	2.41	23.39	2.66	25.00	2.95	26.61	3.19	29.82	3.59	33.22	3.98
	8	16.88	2.18	20.18	2.45	23.39	2.70	25.00	2.96	26.61	3.23	29.82	3.65	33.22	4.11
	10	16.88	2.23	20.18	2.48	23.39	2.73	25.00	2.93	26.61	3.32	29.82	3.74	33.22	4.17
	12	16.88	2.24	20.18	2.51	23.39	2.78	25.00	2.95	26.61	3.39	29.82	3.81	33.22	4.24
	14	16.88	2.28	20.18	2.55	23.39	2.93	25.00	2.96	26.61	3.44	29.82	3.87	33.22	4.32
	16	16.88	2.31	20.18	2.58	23.39	2.98	25.00	2.97	26.61	3.49	29.82	3.94	33.22	4.39
	18	16.88	2.34	20.18	2.63	23.39	3.03	25.00	2.98	26.61	3.56	29.82	4.01	33.22	4.47
	20	16.88	2.38	20.18	2.66	23.39	3.08	25.00	3.03	26.61	3.62	29.82	4.07	33.22	4.56
	21	16.88	2.39	20.18	2.70	23.39	3.11	25.00	3.28	26.61	3.66	29.82	4.12	33.22	4.61
	23	16.88	2.43	20.18	2.73	23.39	3.16	25.00	3.50	26.61	3.72	29.82	4.19	33.22	4.70
	25	16.88	2.46	20.18	2.78	23.39	3.23	25.00	3.73	26.61	3.84	29.82	4.41	33.22	5.02
	27	16.88	2.51	20.18	2.90	23.39	3.41	25.00	3.97	26.61	4.07	29.82	4.69	33.22	5.35
	29	16.88	2.64	20.18	3.06	23.39	3.63	25.00	4.14	26.61	4.34	29.82	4.99	33.22	5.70
	31	16.88	2.79	20.18	3.25	23.39	3.84	25.00	4.41	26.61	4.61	29.82	5.30	33.22	6.07
	33	16.88	2.96	20.18	3.45	23.39	4.09	25.00	4.65	26.61	4.89	29.82	5.64	33.22	6.45
	35	16.88	3.13	20.18	3.65	23.39	4.33	25.00	4.79	26.61	5.17	29.82	5.98	33.22	6.85
	37	16.88	3.29	20.18	3.86	23.39	4.59	25.00	4.83	26.61	5.49	29.82	6.35	33.22	7.28
	39	16.88	3.47	20.18	4.08	23.39	4.86	25.00	4.85	26.61	5.82	29.82	6.73	33.22	7.73
	41	16.88	3.62	20.18	4.26	23.39	5.04	25.00	4.94	26.61	6.07	29.82	7.09	33.22	8.09
	43	16.88	3.86	20.18	4.56	23.39	5.22	25.00	5.07	26.61	6.23	29.82	7.45	33.22	8.45
	45	16.88	3.95	20.18	4.68	23.39	5.58	25.00	5.22	26.61	6.49	29.82	8.17	33.22	9.17
	48	16.88	2.62	20.18	3.09	23.39	3.80	25.00	5.28	26.61	4.40	29.82	5.72	33.22	6.40
40%	-5	13.68	1.55	16.25	1.82	19.15	2.08	20.00	2.17	22.56	2.29	25.00	2.61	27.98	2.81
	-2	13.68	1.58	16.25	1.84	19.15	2.11	20.00	2.20	22.56	2.33	25.00	2.62	27.98	2.87
	0	13.68	1.59	16.25	1.88	19.15	2.13	20.00	2.23	22.56	2.38	25.00	2.69	27.98	2.94
	2	13.68	1.62	16.25	1.90	19.15	2.17	20.00	2.28	22.56	2.42	25.00	2.73	27.98	3.03
	4	13.68	1.66	16.25	1.94	19.15	2.20	20.00	2.33	22.56	2.46	25.00	2.77	27.98	3.13
	6	13.68	1.69	16.25	1.96	19.15	2.24	20.00	2.37	22.56	2.53	25.00	2.84	27.98	3.17
	8	13.68	1.71	16.25	1.98	19.15	2.28	20.00	2.41	22.56	2.58	25.00	2.89	27.98	3.22
	10	13.68	1.73	16.25	2.01	19.15	2.30	20.00	2.47	22.56	2.62	25.00	2.95	27.98	3.29
	12	13.68	1.76	16.25	2.04	19.15	2.34	20.00	2.50	22.56	2.65	25.00	2.99	27.98	3.34
	14	13.68	1.78	16.25	2.07	19.15	2.38	20.00	2.54	22.56	2.71	25.00	3.03	27.98	3.40
	16	13.68	1.81	16.25	2.10	19.15	2.41	20.00	2.58	22.56	2.76	25.00	3.05	27.98	3.46
	18	13.68	1.82	16.25	2.12	19.15	2.44	20.00	2.60	22.56	2.78	25.00	3.06	27.98	3.50
	20	13.68	1.85	16.25	2.15	19.15	2.48	20.00	2.68	22.56	2.83	25.00	3.10	27.98	3.58
	21	13.68	1.87	16.25	2.19	19.15	2.53	20.00	2.80	22.56	2.92	25.00	3.14	27.98	3.82
	23	13.68	1.91	16.25	2.24	19.15	2.59	20.00	2.91	22.56	3.10	25.00	3.19	27.98	4.07
	25	13.68	1.94	16.25	2.29	19.15	2.61	20.00	3.00	22.56	3.30	25.00	3.26	27.98	4.34
	27	13.68	1.94	16.25	2.30	19.15	2.63	20.00	3.12	22.56	3.50	25.00	3.35	27.98	4.61
	29	13.68	2.03	16.25	2.40	19.15	2.68	20.00	3.23	22.56	3.72	25.00	7.23	27.98	4.91
	31	13.68	2.09	16.25	2.41	19.15	2.67	20.00	3.36	22.56	3.93	25.00	3.73	27.98	5.21
	33	13.68	2.14	16.25	2.46	19.15	2.76	20.00	3.56	22.56	4.17	25.00	4.14	27.98	5.54
	35	13.68	2.24	16.25	2.52	19.15	2.84	20.00	3.64	22.56	4.42	25.00	4.42	27.98	5.82
	37	13.68	2.35	16.25	2.66	19.15	2.96	20.00	3.72	22.56	4.45	25.00	4.61	27.98	5.84
	39	13.68	2.42	16.25	2.96	19.15	3.19	20.00	3.81	22.56	4.97	25.00	4.81	27.98	5.92
	41	13.68	2.45	16.25	3.54	19.15	3.34	20.00	3.85	22.56	4.93	25.00	5.09	27.98	6.18
	43	13.68	2.51	16.25	3.70	19.15	3.72	20.00	3.93	22.56	5.05	25.00	5.12	27.98	6.31
	45	13.68	2.53	16.25	4.56	19.15	4.20	20.00	3.86	22.56	4.97	25.00	5.58	27.98	6.90
	48	13.68	2.50	16.25	2.74	19.15	2.87	20.00	3.84	22.56	3.46	25.00	4.50	27.98	6.00

Cooling capacity tables

18HP **CR:** Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp. (° C DB)	Indoor temperature(° C DB/WD)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB: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
30%	-5	10.52	1.14	12.52	1.27	13.99	1.40	15.00	1.52	16.29	1.71	16.82	1.93	18.02	2.11
	-2	10.52	1.16	12.52	1.29	13.99	1.42	15.00	1.56	16.29	1.74	16.82	1.96	18.02	2.17
	0	10.52	1.19	12.52	1.31	13.99	1.45	15.00	1.59	16.29	1.76	16.82	1.99	18.02	2.24
	2	10.52	1.21	12.52	1.33	13.99	1.47	15.00	1.62	16.29	1.81	16.82	2.04	18.02	2.27
	4	10.52	1.22	12.52	1.34	13.99	1.50	15.00	1.65	16.29	1.85	16.82	2.08	18.02	2.31
	6	10.52	1.24	12.52	1.36	13.99	1.52	15.00	1.69	16.29	1.88	16.82	2.11	18.02	2.36
	8	10.52	1.26	12.52	1.38	13.99	1.55	15.00	1.71	16.29	1.90	16.82	2.15	18.02	2.39
	10	10.52	1.28	12.52	1.41	13.99	1.57	15.00	1.75	16.29	1.94	16.82	2.18	18.02	2.44
	12	10.52	1.30	12.52	1.43	13.99	1.60	15.00	1.80	16.29	1.98	16.82	2.22	18.02	2.48
	14	10.52	1.31	12.52	1.44	13.99	1.62	15.00	1.83	16.29	1.99	16.82	2.25	18.02	2.51
	16	10.52	1.32	12.52	1.46	13.99	1.65	15.00	1.85	16.29	2.03	16.82	2.28	18.02	2.56
	18	10.52	1.34	12.52	1.49	13.99	1.68	15.00	1.88	16.29	2.09	16.82	2.40	18.02	2.74
	20	10.52	1.37	12.52	1.55	13.99	1.78	15.00	1.96	16.29	2.22	16.82	2.56	18.02	2.92
	21	10.52	1.44	12.52	1.64	13.99	1.90	15.00	2.06	16.29	2.37	16.82	2.72	18.02	3.05
	23	10.52	1.52	12.52	1.49	13.99	2.02	15.00	2.14	16.29	2.51	16.82	2.89	18.02	3.21
	25	10.52	1.61	12.52	1.74	13.99	2.15	15.00	2.26	16.29	2.66	16.82	3.07	18.02	3.39
	27	10.52	1.70	12.52	1.96	13.99	2.28	15.00	2.40	16.29	2.82	16.82	3.15	18.02	3.45
	29	10.52	1.79	12.52	2.08	13.99	2.43	15.00	2.48	16.29	2.99	16.82	3.22	18.02	3.57
	31	10.52	1.89	12.52	2.20	13.99	2.57	15.00	2.56	16.29	3.17	16.82	3.37	18.02	3.65
	33	10.52	1.97	12.52	2.29	13.99	2.67	15.00	2.61	16.29	3.31	16.82	3.45	18.02	3.66
	35	10.52	2.10	12.52	2.46	13.99	2.77	15.00	2.61	16.29	3.39	16.82	3.56	18.02	3.75
	37	10.52	2.15	12.52	2.52	13.99	2.96	15.00	2.74	16.29	3.54	16.82	3.63	18.02	3.91
	39	10.52	2.22	12.52	2.61	13.99	3.17	15.00	2.82	16.29	3.65	16.82	3.71	18.02	4.01
	41	10.52	2.39	12.52	2.87	13.99	3.34	15.00	2.92	16.29	3.66	16.82	3.83	18.02	4.17
	43	10.52	2.62	12.52	3.16	13.99	3.52	15.00	3.01	16.29	3.81	16.82	3.96	18.02	4.24
	45	10.52	2.95	12.52	3.23	13.99	3.53	15.00	3.08	16.29	3.92	16.82	4.08	18.02	4.33
	48	10.52	2.57	12.52	2.43	13.99	2.54	15.00	3.14	16.29	2.82	16.82	2.83	18.02	3.17
20%	-5	7.27	0.71	8.65	0.77	10.23	0.87	10.00	0.98	12.65	1.04	13.36	1.18	15.27	1.34
	-2	7.27	0.73	8.65	0.78	10.23	0.89	10.00	1.00	12.65	1.07	13.36	1.21	15.27	1.36
	0	7.27	0.73	8.65	0.79	10.23	0.91	10.00	1.03	12.65	1.09	13.36	1.23	15.27	1.38
	2	7.27	0.74	8.65	0.80	10.23	0.92	10.00	1.05	12.65	1.11	13.36	1.25	15.27	1.41
	4	7.27	0.75	8.65	0.81	10.23	0.93	10.00	1.07	12.65	1.12	13.36	1.28	15.27	1.43
	6	7.27	0.77	8.65	0.83	10.23	0.95	10.00	1.09	12.65	1.15	13.36	1.30	15.27	1.46
	8	7.27	0.78	8.65	0.84	10.23	0.97	10.00	1.11	12.65	1.17	13.36	1.32	15.27	1.49
	10	7.27	0.78	8.65	0.85	10.23	0.98	10.00	1.13	12.65	1.18	13.36	1.34	15.27	1.50
	12	7.27	0.79	8.65	0.87	10.23	1.00	10.00	1.14	12.65	1.20	13.36	1.36	15.27	1.54
	14	7.27	0.81	8.65	0.88	10.23	1.02	10.00	1.16	12.65	1.24	13.36	1.44	15.27	1.65
	16	7.27	0.82	8.65	0.92	10.23	1.08	10.00	1.18	12.65	1.32	13.36	1.53	15.27	1.76
	18	7.27	0.87	8.65	0.98	10.23	1.15	10.00	1.22	12.65	1.41	13.36	1.63	15.27	1.88
	20	7.27	0.92	8.65	0.88	10.23	1.23	10.00	1.27	12.65	1.50	13.36	1.74	15.27	1.90
	21	7.27	0.98	8.65	1.04	10.23	1.31	10.00	1.31	12.65	1.60	13.36	1.82	15.27	2.00
	23	7.27	1.03	8.65	1.18	10.23	1.39	10.00	1.36	12.65	1.70	13.36	1.87	15.27	2.06
	25	7.27	1.09	8.65	1.25	10.23	1.48	10.00	1.41	12.65	1.80	13.36	1.89	15.27	2.14
	27	7.27	1.15	8.65	1.32	10.23	1.57	10.00	1.50	12.65	1.92	13.36	1.95	15.27	2.22
	29	7.27	1.20	8.65	1.38	10.23	1.63	10.00	1.53	12.65	2.00	13.36	2.05	15.27	2.22
	31	7.27	1.28	8.65	1.49	10.23	1.70	10.00	1.59	12.65	2.06	13.36	2.10	15.27	2.33
	33	7.27	1.31	8.65	1.53	10.23	1.82	10.00	1.63	12.65	2.15	13.36	2.19	15.27	2.38
	35	7.27	1.35	8.65	1.58	10.23	1.95	10.00	1.63	12.65	2.26	13.36	2.24	15.27	2.43
	37	7.27	1.46	8.65	1.74	10.23	2.06	10.00	1.72	12.65	2.33	13.36	2.28	15.27	2.53
	39	7.27	1.60	8.65	1.92	10.23	2.17	10.00	1.76	12.65	2.52	13.36	2.38	15.27	2.59
	41	7.27	1.81	8.65	1.97	10.23	2.17	10.00	1.83	12.65	2.55	13.36	2.42	15.27	2.67
	43	7.27	1.90	8.65	2.03	10.23	2.23	10.00	1.88	12.65	2.60	13.36	2.49	15.27	2.75
	45	7.27	1.95	8.65	2.10	10.23	2.28	10.00	1.93	12.65	2.71	13.36	2.58	15.27	2.85
	48	7.27	1.65	8.65	1.68	10.23	1.84	10.00	1.96	12.65	1.74	13.36	1.60	15.27	2.00
10%	-5	3.76	0.36	4.51	0.41	7.11	0.47	5.00	0.42	6.51	0.54	6.96	0.60	7.92	0.66
	-2	3.76	0.36	4.51	0.42	7.11	0.48	5.00	0.42	6.51	0.55	6.96	0.61	7.92	0.69
	0	3.76	0.37	4.51	0.42	7.11	0.49	5.00	0.42	6.51	0.55	6.96	0.63	7.92	0.70
	2	3.76	0.37	4.51	0.43	7.11	0.50	5.00	0.42	6.51	0.56	6.96	0.64	7.92	0.71
	4	3.76	0.38	4.51	0.44	7.11	0.50	5.00	0.43	6.51	0.58	6.96	0.65	7.92	0.72
	6	3.76	0.38	4.51	0.44	7.11	0.51	5.00	0.43	6.51	0.58	6.96	0.65	7.92	0.73
	8	3.76	0.39	4.51	0.45	7.11	0.52	5.00	0.44	6.51	0.59	6.96	0.66	7.92	0.75
	10	3.76	0.39	4.51	0.46	7.11	0.53	5.00	0.44	6.51	0.61	6.96	0.70	7.92	0.80
	12	3.76	0.40	4.51	0.47	7.11	0.56	5.00	0.44	6.51	0.62	6.96	0.74	7.92	0.85
	14	3.76	0.42	4.51	0.50	7.11	0.59	5.00	0.44	6.51	0.64	6.96	0.79	7.92	0.90
	16	3.76	0.44	4.51	0.46	7.11	0.63	5.00	0.45	6.51	0.66	6.96	0.84	7.92	0.94
	18	3.76	0.47	4.51	0.53	7.11	0.66	5.00	0.45	6.51	0.69	6.96	0.89	7.92	0.98
	20	3.76	0.50	4.51	0.59	7.11	0.70	5.00	0.45	6.51	0.73	6.96	0.91	7.92	0.99
	21	3.76	0.52	4.51	0.63	7.11	0.74	5.00	0.49	6.51	0.76	6.96	0.96	7.92	1.03
	23	3.76	0.55	4.51	0.66	7.11	0.79	5.00	0.52	6.51	0.86	6.96	1.00	7.92	1.07
	25	3.76	0.57	4.51	0.69	7.11	0.81	5.00	0.55	6.51	0.92	6.96	1.05	7.92	1.10
	27	3.76	0.61	4.51	0.74	7.11	0.84	5.00	0.59	6.51	0.96	6.96	1.07	7.92	1.14
	29	3.76	0.63	4.51	0.76	7.11	0.90	5.00	0.65	6.51	0.99	6.96	1.11	7.92	1.16
	31	3.76	0.65	4.51	0.78	7.11	0.92	5.00	0.67	6.51	1.01	6.96	1.14	7.92	1.21
	33	3.76	0.70	4.51	0.86	7.11	0.96	5.00	0.71	6.51	1.03	6.96	1.16	7.92	1.24
	35	3.76	0.76	4.51	0.94	7.11	1.00	5.00	0.76	6.51	1.07	6.96	1.21	7.92	1.29
	37	3.76	0.86	4.51	0.96	7.11	1.04	5.00	0.77	6.51	1.09	6.96	1.24	7.92	1.31
	39	3.76	0.90	4.51	0.99	7.11	1.07	5.00	0.78	6.51	1.14	6.96	1.29	7.92	1.36
	41	3.76	0.92	4.51	1.02	7.11	1.09	5.00	0.79	6.51	1.16	6.96	1.31	7.92	1.38
	43	3.76	0.96	4.51	1.05	7.11	1.13	5.00	0.81	6.51	1.21	6.96	1.34	7.92	1.45
	45	3.76	0.99	4.51	1.07	7.11	1.15	5.00	0.82	6.51	1.23	6.96	1.37	7.92	1.14
	48	3.76	0.75	4.51	0.78	7.11	0.85	5.00	0.84	6.51	0.86	6.96	0.94	7.92	0.78

7.2 Heating capacity tables

8HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
130%	-19.8	-20	16.19	4.08	16.11	4.37	16.03	4.66	16.03	4.80	15.95	4.95	15.95	5.24
	-18.8	-19	16.43	4.17	16.35	4.46	16.35	4.74	16.27	4.89	16.27	5.02	16.19	5.31
	-16.7	-17	17.06	4.37	16.98	4.64	16.90	4.92	16.90	5.05	16.90	5.19	16.83	5.46
	-13.7	-15	17.78	4.57	17.70	4.83	17.62	5.10	17.62	5.22	17.54	5.36	17.54	5.62
	-11.8	-13	18.49	4.77	18.49	5.03	18.41	5.28	18.33	5.40	18.33	5.53	18.25	5.78
	-9.8	-11	19.37	4.98	19.29	5.22	19.21	5.46	19.21	5.58	19.21	5.70	19.13	5.95
	-9.5	-10	19.84	5.09	19.76	5.32	19.68	5.55	19.68	5.67	19.60	5.79	19.60	6.02
	-8.5	-9.1	20.24	5.18	20.16	5.40	20.16	5.64	20.08	5.75	20.08	5.86	20.00	6.10
	-7	-7.6	20.95	5.33	20.95	5.55	20.87	5.77	20.87	5.88	20.79	5.99	20.71	6.22
	-5	-5.6	22.06	5.53	21.98	5.74	21.90	5.95	21.90	6.06	21.83	6.15	21.83	6.37
	-3	-3.7	23.10	5.71	23.02	5.92	23.02	6.11	22.94	6.22	22.94	6.31	22.86	6.51
	0	-0.7	24.92	5.99	24.92	6.18	24.84	6.36	24.84	6.43	24.76	6.55	24.76	6.73
	3	2.2	26.90	6.24	26.83	6.41	26.75	6.58	26.75	6.67	26.75	6.76	26.67	6.92
	5	4.1	28.25	6.40	28.17	6.56	28.17	6.72	28.10	6.80	28.10	6.88	28.02	7.04
	7	6	29.68	6.55	29.60	6.70	29.60	6.85	29.52	6.93	29.52	7.00	28.33	6.73
	9	7.9	31.19	6.68	31.11	6.83	31.11	6.97	31.03	7.05	30.40	6.90	28.33	6.32
	11	9.8	32.78	6.82	32.70	6.95	32.54	7.04	31.43	6.76	30.40	6.49	28.33	5.95
	13	11.8	34.52	6.94	34.44	7.08	32.54	6.60	31.43	6.34	30.40	6.09	28.33	5.58
	15	13.7	36.19	7.06	34.60	6.70	32.54	6.22	31.43	5.98	30.40	5.73	28.33	5.27
120%	-19.8	-20	16.11	4.47	16.03	4.74	15.95	5.01	15.95	5.13	15.95	5.27	15.87	5.54
	-18.8	-19	16.35	4.56	16.27	4.82	16.27	5.08	16.19	5.21	16.19	5.34	16.11	5.61
	-16.7	-17	16.99	4.74	16.91	4.99	16.80	5.24	16.83	5.37	16.83	5.49	16.75	5.74
	-13.7	-15	17.70	4.92	17.62	5.16	17.54	5.40	17.54	5.53	17.54	5.65	17.46	5.89
	-11.8	-13	18.41	5.11	18.41	5.34	18.34	5.58	18.34	5.70	18.26	5.81	18.26	6.04
	-9.8	-11	19.29	5.31	19.21	5.52	19.21	5.75	19.13	5.86	19.13	5.97	19.05	6.19
	-9.5	-10	19.76	5.40	19.68	5.62	19.60	5.83	19.60	5.95	19.60	6.05	19.52	6.27
	-8.5	-9.1	20.16	5.49	20.08	5.70	20.08	5.91	20.00	6.01	20.00	6.13	19.92	6.34
	-7	-7.6	20.87	5.63	20.87	5.83	20.79	6.03	20.79	6.14	20.71	6.24	20.71	6.44
	-5	-5.6	21.98	5.81	21.90	6.01	21.82	6.20	21.82	6.30	21.82	6.40	21.75	6.58
	-3	-3.7	23.02	5.98	23.02	6.17	22.94	6.35	22.94	6.44	22.86	6.54	22.86	6.72
	0	-0.7	24.84	6.24	24.84	6.41	24.76	6.58	24.76	6.67	24.68	6.75	24.68	6.92
	3	2.2	26.83	6.47	26.75	6.63	26.75	6.79	26.67	6.87	26.67	6.94	26.11	6.91
	5	4.1	28.18	6.61	28.10	6.76	28.10	6.91	28.02	6.99	28.02	7.06	26.11	6.49
	7	6	29.60	6.75	29.60	6.89	29.53	7.03	29.05	6.94	28.10	6.65	26.11	6.10
	9	7.9	31.11	6.88	31.03	7.02	30.00	6.79	29.05	6.52	28.10	6.25	26.11	5.74
	11	9.8	32.70	7.00	31.90	6.88	30.00	6.38	29.05	6.13	28.10	5.89	26.11	5.41
	13	11.8	33.89	6.94	31.90	6.46	30.00	5.98	29.05	5.76	28.10	5.53	26.11	5.09
	15	13.7	33.89	6.53	31.90	6.08	30.00	5.65	29.05	5.43	28.10	5.22	26.11	4.80
110%	-19.8	-20	16.03	4.86	15.95	5.10	15.87	5.35	15.87	5.47	15.88	5.59	15.79	5.84
	-18.8	-19	16.27	4.94	16.19	5.18	16.19	5.42	16.19	5.54	16.11	5.66	16.11	5.90
	-16.7	-17	16.90	5.10	16.83	5.34	17.06	5.57	16.75	5.68	16.75	5.80	16.67	6.03
	-13.7	-15	17.62	5.28	17.54	5.50	17.46	5.72	17.46	5.83	17.46	5.95	17.38	6.16
	-11.8	-13	18.33	5.46	18.33	5.67	18.25	5.88	18.25	5.98	18.17	6.09	18.17	6.31
	-9.8	-11	19.21	5.63	19.13	5.83	19.13	6.04	19.05	6.14	19.05	6.24	19.05	6.44
	-9.5	-10	19.68	5.72	19.60	5.91	19.52	6.12	19.52	6.22	19.52	6.31	19.45	6.51
	-8.5	-9.1	20.08	5.80	20.00	5.99	20.00	6.19	19.92	6.28	19.92	6.38	19.92	5.82
	-7	-7.6	20.79	5.93	20.79	6.11	20.72	6.30	20.72	6.40	20.72	6.49	20.64	6.67
	-5	-5.6	21.91	6.10	21.83	6.28	21.75	6.45	21.75	6.54	21.75	6.63	21.67	6.81
	-3	-3.7	22.94	6.25	22.94	6.42	22.86	6.59	22.86	6.67	22.78	6.76	22.78	6.93
	0	-0.7	24.76	6.49	24.76	6.64	24.68	6.80	24.68	6.88	24.68	6.96	23.97	6.82
	3	2.2	26.75	6.70	26.67	6.85	26.67	6.99	26.59	7.06	25.71	6.77	23.97	6.21
	5	4.1	28.10	6.83	28.10	6.97	27.54	6.91	26.59	6.63	25.71	6.37	23.97	5.84
	7	6	29.52	6.96	29.29	7.00	27.54	6.49	26.59	6.23	25.71	5.98	23.97	5.49
	9	7.9	31.03	7.07	29.29	6.58	27.54	6.10	26.59	5.86	25.71	5.63	23.97	5.18
	11	9.8	31.03	6.65	29.29	6.19	27.54	5.74	26.59	5.53	25.71	5.31	23.97	4.89
	13	11.8	31.03	6.24	29.29	5.81	27.54	5.40	26.59	5.19	25.71	4.99	23.97	4.60
	15	13.7	31.03	5.54	29.29	5.48	27.54	5.10	26.59	4.90	25.71	4.72	23.97	4.35

Heating capacity tables

8HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	15.95	5.25	15.87	5.47	15.87	5.70	15.79	5.81	15.79	5.91	15.72	6.14
	-18.8	-19	16.19	5.32	16.19	5.54	16.11	5.76	16.11	5.87	16.03	5.98	16.03	6.20
	-16.7	-17	16.83	5.47	16.75	5.68	16.75	5.89	16.67	6.00	16.67	6.10	16.67	6.31
	-13.7	-15	17.54	5.63	17.46	5.83	17.38	6.04	17.38	6.14	17.38	6.24	17.30	6.44
	-11.8	-13	18.26	5.80	18.26	5.98	18.18	6.18	18.18	6.28	18.18	6.37	18.10	6.57
	-9.8	-11	19.13	5.95	19.05	6.14	19.05	6.32	19.05	6.42	18.97	6.51	18.97	6.69
	-9.5	-10	19.60	6.04	19.53	6.22	19.53	6.40	19.45	6.49	19.45	6.58	19.37	6.76
	-8.5	-9.1	20.00	6.10	19.92	6.28	19.92	6.46	19.92	6.55	19.84	6.64	19.84	6.81
	-7	-7.6	20.72	6.22	20.72	6.40	20.64	6.56	20.64	6.65	20.64	6.73	20.56	6.91
	-5	-5.6	21.83	6.38	21.75	6.54	21.75	6.70	21.67	6.78	21.67	6.86	21.59	7.03
	-3	-3.7	22.86	6.52	22.86	5.92	22.78	6.83	22.78	6.91	22.78	6.98	21.83	6.69
	0	-0.7	24.68	6.73	24.68	6.88	24.60	7.02	24.21	6.91	23.41	6.62	21.83	6.07
	3	2.2	26.67	6.93	26.59	7.06	25.00	6.53	24.21	6.28	23.41	6.03	21.83	5.53
	5	4.1	28.02	7.06	26.59	6.63	25.00	6.14	24.21	5.91	23.41	5.67	21.83	5.22
	7	6	28.18	6.70	26.59	6.23	25.00	5.78	24.21	5.56	23.41	5.34	21.83	4.92
	9	7.9	28.18	6.29	26.59	5.86	25.00	5.44	24.21	5.17	23.41	5.04	21.83	4.64
	11	9.8	28.18	5.92	26.59	5.52	25.00	5.13	24.21	4.94	23.41	4.75	21.83	4.38
	13	11.8	28.18	5.56	26.59	5.19	25.00	4.83	24.21	4.65	23.41	4.48	21.83	4.14
	15	13.7	28.18	5.25	26.59	4.90	25.00	4.56	24.21	4.40	23.41	4.23	21.83	3.92
90%	-19.8	-20	15.84	5.64	15.77	5.84	15.77	6.04	15.69	6.14	15.69	6.25	15.69	6.44
	-18.8	-19	16.08	5.70	16.08	5.91	16.00	6.10	16.00	6.20	16.00	6.30	15.92	6.49
	-16.7	-17	16.72	5.85	16.64	6.04	16.64	6.22	16.64	6.32	16.56	6.41	16.56	6.60
	-13.7	-15	17.43	5.99	17.35	6.17	17.35	6.35	17.27	6.44	17.27	6.53	17.27	6.71
	-11.8	-13	18.14	6.13	18.14	6.31	18.06	6.48	18.06	6.57	18.06	6.65	17.98	6.82
	-9.8	-11	19.01	6.28	19.01	6.44	18.93	6.61	18.93	6.69	18.93	6.78	18.86	6.94
	-9.5	-10	19.49	6.35	19.41	6.52	19.41	6.67	19.33	6.76	19.33	6.84	19.33	7.00
	-8.5	-9.1	19.89	6.42	19.89	6.58	19.81	6.73	19.81	6.81	19.81	6.89	19.57	6.96
	-7	-7.6	20.60	6.52	20.60	6.67	20.52	6.83	20.52	6.91	20.52	6.98	19.57	6.64
	-5	-5.6	21.71	6.67	21.63	6.81	21.63	6.95	21.55	7.03	20.99	6.81	19.57	6.25
	-3	-3.7	22.74	6.79	22.74	6.93	22.50	6.96	21.71	6.68	20.99	6.41	19.57	5.88
	0	-0.7	24.64	6.99	23.93	6.82	22.50	6.31	21.71	6.06	20.99	5.83	19.57	5.35
	3	2.2	25.35	6.66	23.93	6.20	22.50	5.75	21.71	5.53	20.99	5.31	19.57	4.89
	5	4.1	25.35	6.26	23.93	5.83	22.50	5.42	21.71	5.21	20.99	5.01	19.57	4.62
	7	6	25.35	5.88	23.93	5.49	22.50	5.10	21.71	4.92	20.99	4.73	19.57	4.36
	9	7.9	25.35	5.55	23.93	5.17	22.50	4.81	21.71	4.64	20.99	4.47	19.57	4.12
	11	9.8	25.35	5.22	23.93	4.88	22.50	4.55	21.71	4.38	20.99	4.22	19.57	3.90
	13	11.8	25.35	4.92	23.93	4.60	22.50	4.29	21.71	4.14	20.99	3.99	19.57	3.69
	15	13.7	25.35	4.65	23.93	4.35	22.50	4.06	21.71	3.92	20.99	3.78	19.57	3.50
80%	-19.8	-20	15.79	6.03	15.71	6.21	15.71	6.39	15.71	6.48	15.63	6.57	15.63	6.74
	-18.8	-19	16.03	6.09	16.03	6.27	15.95	6.44	15.95	6.53	15.95	6.61	15.87	6.79
	-16.7	-17	16.67	6.21	16.59	6.38	16.59	6.55	16.59	6.64	16.59	6.72	16.51	6.88
	-13.7	-15	17.38	6.34	17.30	6.50	17.30	6.67	17.30	6.74	17.22	6.82	17.22	6.99
	-11.8	-13	18.10	6.47	18.10	6.63	18.02	6.78	18.02	6.85	18.02	6.94	17.46	6.75
	-9.8	-11	18.97	6.60	18.97	6.75	18.89	6.90	18.89	6.97	18.73	6.95	17.46	6.37
	-9.5	-10	19.44	6.67	19.36	6.81	19.37	6.95	19.37	7.03	18.73	6.75	17.46	6.19
	-8.5	-9.1	19.84	6.73	18.44	6.87	19.76	7.00	19.37	6.85	18.73	6.57	17.46	6.02
	-7	-7.6	20.56	6.82	20.56	6.96	20.00	6.81	19.37	6.54	18.73	6.28	17.46	5.76
	-5	-5.6	21.67	6.94	21.27	6.91	20.00	6.40	19.37	6.15	18.73	5.90	17.46	5.42
	-3	-3.7	22.54	6.98	21.27	6.50	20.00	6.02	19.37	5.79	18.73	5.56	17.46	5.12
	0	-0.7	22.54	6.34	21.27	5.90	20.00	5.48	19.37	5.28	18.73	5.07	17.46	4.67
	3	2.2	22.54	5.77	21.27	5.38	20.00	5.01	19.37	4.82	18.73	4.64	17.46	4.28
	5	4.1	22.54	5.43	21.27	5.07	20.00	4.72	19.37	4.55	18.73	4.38	17.46	4.05
	7	6	22.54	5.12	21.27	4.79	20.00	4.46	19.37	4.30	18.73	4.14	17.46	3.83
	9	7.9	22.54	4.83	21.27	4.52	20.00	4.21	19.37	4.06	18.73	3.92	17.46	3.63
	11	9.8	22.54	4.56	21.27	4.27	20.00	3.99	19.37	3.84	18.73	3.71	17.46	3.44
	13	11.8	22.54	4.30	21.27	4.03	20.00	3.77	19.37	3.63	18.73	3.51	17.46	3.25
	15	13.7	22.54	4.07	21.27	3.82	20.00	3.57	19.37	3.45	18.73	3.33	17.46	3.09

Heating capacity tables

8HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	15.68	6.43	15.60	6.58	15.60	6.73	15.60	6.81	15.60	6.89	15.20	6.82
	-18.8	-19	15.92	6.48	15.92	6.63	15.84	6.78	15.84	6.85	15.84	6.94	15.20	6.67
	-16.7	-17	16.55	6.58	16.55	6.73	16.47	6.88	16.47	6.95	16.31	6.19	15.20	6.37
	-13.7	-15	17.26	6.70	17.18	6.84	17.18	6.98	16.87	6.88	16.31	6.60	15.20	6.05
	-11.8	-13	17.97	6.81	17.97	6.94	17.50	6.78	16.87	6.52	16.31	6.25	15.20	5.73
	-9.8	-11	18.85	6.92	18.61	6.91	17.50	6.40	16.87	6.16	16.31	5.91	15.20	5.43
	-9.5	-10	19.32	6.98	18.61	6.71	17.50	6.22	16.87	5.97	16.31	5.74	15.20	5.28
	-8.5	-9.1	19.72	7.02	18.61	6.53	17.50	6.05	16.87	5.82	16.31	5.59	15.20	5.14
	-7	-7.6	19.72	6.70	18.61	6.24	17.50	5.79	16.87	5.57	16.31	5.35	15.20	4.92
	-5	-5.6	19.72	6.30	18.61	5.87	17.50	5.45	16.87	5.24	16.31	6.19	15.20	4.65
	-3	-3.7	19.72	5.93	18.61	5.53	17.50	5.14	16.87	4.95	16.31	4.76	15.20	4.39
	0	-0.7	19.72	5.40	18.61	5.04	17.50	4.69	16.87	4.52	16.31	4.35	15.20	4.02
	3	2.2	19.72	4.93	18.61	4.62	17.50	4.30	16.87	4.14	16.31	3.99	15.20	3.69
	5	4.1	19.72	4.65	18.61	4.35	17.50	4.07	16.87	3.92	16.31	3.78	15.20	3.50
	7	6	19.72	4.40	18.61	4.12	17.50	3.84	16.87	3.71	16.31	3.58	15.20	3.32
	9	7.9	19.72	4.16	18.61	3.90	17.50	3.64	16.87	3.51	16.31	3.39	15.20	3.15
	11	9.8	19.72	3.93	18.61	3.69	17.50	3.45	16.87	3.33	16.31	3.22	15.20	2.99
	13	11.8	19.72	3.72	18.61	3.49	17.50	3.27	16.87	3.16	16.31	3.05	15.20	2.84
	15	13.7	19.72	3.52	18.61	3.31	17.50	3.10	16.87	3.00	16.31	2.90	15.20	2.70
60%	-19.8	-20	15.63	6.82	15.56	6.94	15.00	6.68	14.52	6.42	14.05	6.16	13.10	5.65
	-18.8	-19	15.87	6.86	15.87	6.99	15.00	6.54	14.52	6.28	14.05	6.03	13.10	5.53
	-16.7	-17	16.51	6.95	15.95	6.73	15.00	6.24	14.52	6.00	14.05	5.76	13.10	5.29
	-13.7	-15	16.91	6.88	15.95	6.40	15.00	5.93	14.52	5.70	14.05	5.48	13.10	5.04
	-11.8	-13	16.91	6.51	15.95	6.06	15.00	5.62	14.52	5.41	14.05	5.20	13.10	4.81
	-9.8	-11	16.91	6.15	15.95	5.73	15.00	5.32	14.52	5.12	14.05	4.92	13.10	4.54
	-9.5	-10	16.91	5.97	15.95	5.57	15.00	5.17	14.52	4.98	14.05	4.79	13.10	4.41
	-8.5	-9.1	16.91	5.82	15.95	5.43	15.00	5.04	14.52	4.86	14.05	4.67	13.10	4.31
	-7	-7.6	16.91	5.56	15.95	5.19	15.00	4.83	14.52	4.65	14.05	4.47	13.10	4.14
	-5	-5.6	16.91	5.24	15.95	4.89	15.00	4.56	14.52	4.39	14.05	4.23	13.10	3.91
	-3	-3.7	16.91	4.95	15.95	4.62	15.00	4.31	14.52	4.16	14.05	4.00	13.10	3.70
	0	-0.7	16.91	4.52	15.95	4.23	15.00	3.95	14.52	3.81	14.05	3.67	13.10	3.40
	3	2.2	16.91	4.14	15.95	3.89	15.00	3.63	14.52	3.51	14.05	3.39	13.10	3.14
	5	4.1	16.91	3.92	15.95	3.68	15.00	3.44	14.52	3.33	14.05	3.21	13.10	2.98
	7	6	16.91	3.71	15.95	3.48	15.00	3.26	14.52	3.15	14.05	3.05	13.10	2.83
	9	7.9	16.91	3.51	15.95	3.30	15.00	3.09	14.52	3.00	14.05	2.89	13.10	2.69
	11	9.8	16.91	3.33	15.95	3.14	15.00	2.94	14.52	2.84	14.05	2.75	13.10	2.57
	13	11.8	16.91	3.15	15.95	2.97	15.00	2.79	14.52	2.70	14.05	2.61	13.10	2.44
	15	13.7	16.91	3.00	15.95	2.82	15.00	2.66	14.52	2.57	14.05	2.49	13.10	2.33
50%	-19.8	-20	14.08	6.20	13.29	5.77	12.50	5.36	12.03	5.16	11.63	4.96	10.84	4.57
	-18.8	-19	14.08	6.06	13.29	5.65	12.50	5.25	12.03	5.05	11.63	4.86	10.84	4.48
	-16.7	-17	14.08	5.79	13.29	5.40	12.50	5.02	12.03	4.83	11.63	4.65	10.84	4.29
	-13.7	-15	14.08	5.51	13.29	5.14	12.50	4.78	12.03	4.61	11.63	4.44	10.84	4.10
	-11.8	-13	14.08	5.23	13.29	4.89	12.50	4.55	12.03	4.38	11.63	4.22	10.84	3.90
	-9.8	-11	14.08	4.95	13.29	4.63	12.50	4.32	12.03	4.16	11.63	4.01	10.84	3.71
	-9.5	-10	14.08	4.82	13.29	4.50	12.50	4.20	12.03	4.05	11.63	3.90	10.84	3.61
	-8.5	-9.1	14.08	4.70	13.29	4.40	12.50	4.10	12.03	3.96	11.63	3.81	10.84	3.53
	-7	-7.6	14.08	4.50	13.29	4.22	12.50	3.93	12.03	3.80	11.63	3.66	10.84	3.39
	-5	-5.6	14.08	4.25	13.29	3.99	12.50	3.72	12.03	3.60	11.63	3.47	10.84	3.21
	-3	-3.7	14.08	4.02	13.29	3.78	12.50	3.53	12.03	3.41	11.63	3.29	10.84	3.05
	0	-0.7	14.08	3.69	13.29	3.47	12.50	3.25	12.03	3.14	11.63	3.03	10.84	2.82
	3	2.2	14.08	3.40	13.29	3.20	12.50	2.99	12.03	2.90	11.63	2.80	10.84	2.61
	5	4.1	14.08	3.23	13.29	3.03	12.50	2.84	12.03	2.75	11.63	2.66	10.84	2.48
	7	6	14.08	3.06	13.29	2.88	12.50	2.71	12.03	2.62	11.63	2.54	10.84	2.37
	9	7.9	14.08	2.90	13.29	2.74	12.50	2.57	12.03	2.50	11.63	2.42	10.84	2.26
	11	9.8	14.08	2.76	13.29	2.60	12.50	2.45	12.03	2.38	11.63	2.30	10.84	2.15
	13	11.8	14.08	2.63	13.29	2.48	12.50	2.33	12.03	2.27	11.63	2.19	10.84	2.06
	15	13.7	14.08	2.50	13.29	2.36	12.50	2.23	12.03	2.16	11.63	2.09	10.84	1.97

Heating capacity tables

10HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
130%	-19.8	-20	20.40	5.84	20.30	6.25	20.20	6.67	20.20	6.87	20.10	7.08	20.10	7.50
	-18.8	-19	20.70	5.97	20.60	6.38	20.60	6.79	20.50	6.99	20.50	7.18	20.40	7.59
	-16.7	-17	21.50	6.25	21.40	6.64	21.30	7.03	21.30	7.23	21.30	7.42	21.20	7.81
	-13.7	-15	22.40	6.54	22.30	6.92	22.20	7.29	22.20	7.47	22.10	7.67	22.10	8.04
	-11.8	-13	23.30	6.83	23.30	7.20	23.20	7.55	23.10	7.73	23.10	7.92	23.00	8.27
	-9.8	-11	24.40	7.13	24.30	7.47	24.20	7.82	24.20	7.99	24.20	8.16	24.10	8.51
	-9.5	-10	25.00	7.28	24.90	7.62	24.80	7.95	24.80	8.12	24.70	8.28	24.70	8.61
	-8.5	-9.1	25.50	7.41	25.40	7.73	25.40	8.07	25.30	8.23	25.30	8.39	25.20	8.72
	-7	-7.6	26.40	7.63	26.40	7.95	26.30	8.26	26.30	8.42	26.20	8.57	26.10	8.89
	-5	-5.6	27.80	7.92	27.70	8.22	27.60	8.52	27.60	8.67	27.50	8.81	27.50	9.11
	-3	-3.7	29.10	8.17	29.00	8.46	29.00	8.74	28.90	8.89	28.90	9.03	28.80	9.31
	0	-0.7	31.40	8.57	31.40	8.84	31.30	9.10	31.30	9.19	31.20	9.37	31.20	9.62
	3	2.2	33.90	8.93	33.80	9.17	33.70	9.42	33.70	9.54	33.70	9.67	33.60	9.90
	5	4.1	35.60	9.15	35.50	9.39	35.50	9.61	35.40	9.73	35.40	9.85	35.30	10.07
	7	6	37.40	9.37	37.30	9.58	37.30	9.81	37.20	9.91	37.20	10.02	35.70	9.62
	9	7.9	39.30	9.56	39.20	9.77	39.20	9.98	39.10	10.09	38.30	9.87	35.70	9.04
	11	9.8	41.30	9.75	41.20	9.94	41.00	10.07	39.60	9.68	38.30	9.28	35.70	8.52
	13	11.8	43.50	9.93	43.40	10.13	41.00	9.44	39.60	9.06	38.30	8.71	35.70	7.99
	15	13.7	45.60	10.11	43.60	9.59	41.00	8.89	39.60	8.55	38.30	8.21	35.70	7.54
120%	-19.8	-20	20.30	6.40	20.20	6.78	20.10	7.16	20.10	7.35	20.10	7.54	20.00	7.93
	-18.8	-19	20.60	6.52	20.50	6.90	20.50	7.27	20.40	7.45	20.40	7.65	20.30	8.02
	-16.7	-17	21.40	6.78	21.30	7.14	21.17	7.50	21.20	7.68	21.20	7.86	21.10	8.22
	-13.7	-15	22.30	7.05	22.20	7.39	22.10	7.73	22.10	7.92	22.10	8.09	22.00	8.43
	-11.8	-13	23.20	7.31	23.20	7.65	23.10	7.98	23.10	8.15	23.00	8.31	23.00	8.65
	-9.8	-11	24.30	7.59	24.20	7.91	24.20	8.23	24.10	8.39	24.10	8.54	24.00	8.86
	-9.5	-10	24.90	7.73	24.80	8.04	24.70	8.34	24.70	8.51	24.70	8.66	24.60	8.97
	-8.5	-9.1	25.40	7.85	25.30	8.15	25.30	8.45	25.20	8.60	25.20	8.76	25.10	9.06
	-7	-7.6	26.30	8.06	26.30	8.34	26.20	8.63	26.20	8.79	26.10	8.93	26.10	9.22
	-5	-5.6	27.70	8.31	27.60	8.59	27.50	8.87	27.50	9.01	27.50	9.15	27.40	9.42
	-3	-3.7	29.00	8.56	29.00	8.83	28.90	9.09	28.90	9.22	28.80	9.36	28.80	9.61
	0	-0.7	31.30	8.93	31.30	9.17	31.20	9.41	31.20	9.54	31.10	9.66	31.10	9.90
	3	2.2	33.80	9.26	33.70	9.48	33.70	9.71	33.60	9.83	33.60	9.93	32.90	9.88
	5	4.1	35.50	9.46	35.40	9.68	35.40	9.89	35.30	10.00	35.30	10.11	32.90	9.28
	7	6	37.30	9.66	37.30	9.86	37.20	10.06	36.60	9.92	35.40	9.52	32.90	8.73
	9	7.9	39.20	9.85	39.10	10.04	37.80	9.71	36.60	9.33	35.40	8.95	32.90	8.22
	11	9.8	41.20	10.02	40.20	9.85	37.80	9.13	36.60	8.77	35.40	8.42	32.90	7.74
	13	11.8	42.70	9.92	40.20	9.24	37.80	8.56	36.60	8.24	35.40	7.92	32.90	7.28
	15	13.7	42.70	9.34	40.20	8.70	37.80	8.08	36.60	7.77	35.40	7.46	32.90	6.87
110%	-19.8	-20	20.20	6.96	20.10	7.30	20.00	7.66	20.00	7.83	20.01	8.00	19.90	8.36
	-18.8	-19	20.50	7.07	20.40	7.41	20.40	7.75	20.40	7.93	20.30	8.10	20.30	8.44
	-16.7	-17	21.30	7.30	21.20	7.64	21.50	7.97	21.10	8.13	21.10	8.30	21.00	8.62
	-13.7	-15	22.20	7.55	22.10	7.87	22.00	8.18	22.00	8.35	22.00	8.51	21.90	8.82
	-11.8	-13	23.10	7.81	23.10	8.11	23.00	8.41	23.00	8.56	22.90	8.71	22.90	9.02
	-9.8	-11	24.20	8.06	24.10	8.35	24.10	8.64	24.00	8.79	24.00	8.93	24.00	9.22
	-9.5	-10	24.80	8.18	24.70	8.46	24.60	8.75	24.60	8.89	24.60	9.03	24.50	9.31
	-8.5	-9.1	25.30	8.29	25.20	8.57	25.20	8.85	25.10	8.99	25.10	9.13	25.10	8.32
	-7	-7.6	26.20	8.49	26.20	8.74	26.10	9.01	26.10	9.15	26.10	9.28	26.00	9.55
	-5	-5.6	27.60	8.72	27.50	8.98	27.40	9.23	27.40	9.35	27.40	9.48	27.30	9.74
	-3	-3.7	28.90	8.95	28.90	9.18	28.80	9.43	28.80	9.55	28.70	9.67	28.70	9.91
	0	-0.7	31.20	9.28	31.20	9.51	31.10	9.73	31.10	9.84	31.10	9.96	30.20	9.76
	3	2.2	33.70	9.59	33.60	9.80	33.60	10.00	33.50	10.10	32.40	9.69	30.20	8.88
	5	4.1	35.40	9.77	35.40	9.98	34.70	9.88	33.50	9.48	32.40	9.11	30.20	8.36
	7	6	37.20	9.96	36.90	10.02	34.70	9.28	33.50	8.91	32.40	8.56	30.20	7.86
	9	7.9	39.10	10.12	36.90	9.42	34.70	8.73	33.50	8.39	32.40	8.06	30.20	7.41
	11	9.8	39.10	9.52	36.90	8.86	34.70	8.22	33.50	7.91	32.40	7.59	30.20	6.99
	13	11.8	39.10	8.93	36.90	8.31	34.70	7.72	33.50	7.43	32.40	7.14	30.20	6.58
	15	13.7	39.10	7.93	36.90	7.84	34.70	7.29	33.50	7.01	32.40	6.76	30.20	6.23

Heating capacity tables

10HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
100%	-19.8	-20	20.10	7.52	20.00	7.83	20.00	8.15	19.90	8.31	19.90	8.46	19.80	8.79
	-18.8	-19	20.40	7.62	20.40	7.93	20.30	8.24	20.30	8.40	20.20	8.56	20.20	8.87
	-16.7	-17	21.20	7.83	21.10	8.13	21.10	8.43	21.00	8.58	21.00	8.73	21.00	9.03
	-13.7	-15	22.10	8.05	22.00	8.35	21.90	8.64	21.90	8.79	21.90	8.92	21.80	9.21
	-11.8	-13	23.00	8.29	23.00	8.56	22.90	8.84	22.90	8.98	22.90	9.12	22.80	9.40
	-9.8	-11	24.10	8.52	24.00	8.79	24.00	9.04	24.00	9.18	23.90	9.31	23.90	9.57
	-9.5	-10	24.70	8.64	24.60	8.89	24.60	9.15	24.50	9.28	24.50	9.41	24.40	9.67
	-8.5	-9.1	25.20	8.73	25.10	8.99	25.10	9.24	25.10	9.37	25.00	9.49	25.00	9.74
	-7	-7.6	26.10	8.90	26.10	9.15	26.00	9.39	26.00	9.52	26.00	9.63	25.90	9.88
	-5	-5.6	27.50	9.13	27.40	9.36	27.40	9.59	27.30	9.70	27.30	9.82	27.20	10.05
	-3	-3.7	28.80	9.33	28.80	8.47	28.70	9.77	28.70	9.88	28.70	9.99	27.50	9.57
	0	-0.7	31.10	9.63	31.10	9.84	31.00	10.04	30.50	9.88	29.50	9.47	27.50	8.69
	3	2.2	33.60	9.91	33.50	10.10	31.50	9.34	30.50	8.98	29.50	8.62	27.50	7.92
	5	4.1	35.30	10.10	33.50	9.48	31.50	8.79	30.50	8.45	29.50	8.12	27.50	7.46
	7	6	35.50	9.58	33.50	8.91	31.50	8.27	30.50	7.96	29.50	7.65	27.50	7.03
	9	7.9	35.50	9.00	33.50	8.39	31.50	7.79	30.50	7.40	29.50	7.21	27.50	6.64
	11	9.8	35.50	8.47	33.50	7.90	31.50	7.35	30.50	7.07	29.50	6.80	27.50	6.27
	13	11.8	35.50	7.96	33.50	7.43	31.50	6.92	30.50	6.66	29.50	6.41	27.50	5.92
	15	13.7	35.50	7.51	33.50	7.01	31.50	6.53	30.50	6.29	29.50	6.06	27.50	5.61
90%	-19.8	-20	19.96	8.08	19.86	8.36	19.86	8.65	19.77	8.79	19.77	8.94	19.77	9.22
	-18.8	-19	20.26	8.16	20.26	8.45	20.17	8.73	20.17	8.87	20.17	9.01	20.06	9.29
	-16.7	-17	21.06	8.37	20.96	8.64	20.96	8.90	20.96	9.04	20.86	9.17	20.86	9.44
	-13.7	-15	21.96	8.57	21.86	8.83	21.86	9.09	21.76	9.21	21.76	9.34	21.76	9.60
	-11.8	-13	22.86	8.77	22.86	9.02	22.76	9.27	22.76	9.40	22.76	9.52	22.66	9.76
	-9.8	-11	23.96	8.98	23.96	9.22	23.86	9.45	23.86	9.57	23.86	9.70	23.76	9.93
	-9.5	-10	24.56	9.09	24.46	9.32	24.46	9.55	24.36	9.67	24.36	9.78	24.36	10.01
	-8.5	-9.1	25.06	9.18	25.06	9.41	24.96	9.63	24.96	9.74	24.96	9.86	24.66	9.96
	-7	-7.6	25.95	9.33	25.95	9.55	25.86	9.77	25.86	9.88	25.86	9.99	24.66	9.51
	-5	-5.6	27.35	9.54	27.25	9.74	27.25	9.95	27.15	10.05	26.45	9.74	24.66	8.94
	-3	-3.7	28.65	9.72	28.65	9.91	28.35	9.96	27.35	9.56	26.45	9.17	24.66	8.42
	0	-0.7	31.05	10.00	30.15	9.75	28.35	9.03	27.35	8.68	26.45	8.33	24.66	7.66
	3	2.2	31.94	9.53	30.15	8.87	28.35	8.23	27.35	7.92	26.45	7.60	24.66	7.00
	5	4.1	31.94	8.96	30.15	8.34	28.35	7.75	27.35	7.45	26.45	7.17	24.66	6.61
	7	6	31.94	8.42	30.15	7.86	28.35	7.30	27.35	7.03	26.45	6.77	24.66	6.24
	9	7.9	31.94	7.94	30.15	7.40	28.35	6.88	27.35	6.64	26.45	6.39	24.66	5.90
	11	9.8	31.94	7.47	30.15	6.98	28.35	6.51	27.35	6.27	26.45	6.04	24.66	5.58
	13	11.8	31.94	7.03	30.15	6.58	28.35	6.13	27.35	5.92	26.45	5.70	24.66	5.27
	15	13.7	31.94	6.65	30.15	6.22	28.35	5.81	27.35	5.61	26.45	5.40	24.66	5.00
80%	-19.8	-20	19.90	8.63	19.80	8.88	19.80	9.14	19.80	9.27	19.70	9.40	19.70	9.64
	-18.8	-19	20.20	8.71	20.20	8.97	20.10	9.21	20.10	9.34	20.10	9.46	20.00	9.72
	-16.7	-17	21.00	8.89	20.90	9.13	20.90	9.38	20.90	9.49	20.90	9.61	20.80	9.85
	-13.7	-15	21.90	9.08	21.80	9.30	21.80	9.54	21.80	9.64	21.70	9.76	21.70	10.00
	-11.8	-13	22.80	9.26	22.80	9.48	22.70	9.70	22.70	9.81	22.70	9.92	22.00	9.66
	-9.8	-11	23.90	9.44	23.90	9.66	23.80	9.87	23.80	9.97	23.60	9.94	22.00	9.12
	-9.5	-10	24.50	9.54	24.40	9.74	24.40	9.94	24.40	10.05	23.60	9.66	22.00	8.85
	-8.5	-9.1	25.00	9.62	23.24	9.83	24.90	10.02	24.40	9.80	23.60	9.40	22.00	8.61
	-7	-7.6	25.90	9.76	25.90	9.96	25.20	9.74	24.40	9.35	23.60	8.98	22.00	8.24
	-5	-5.6	27.30	9.93	26.80	9.88	25.20	9.15	24.40	8.80	23.60	8.44	22.00	7.75
	-3	-3.7	28.40	9.99	26.80	9.30	25.20	8.61	24.40	8.29	23.60	7.96	22.00	7.32
	0	-0.7	28.40	9.06	26.80	8.44	25.20	7.84	24.40	7.55	23.60	7.25	22.00	6.68
	3	2.2	28.40	8.26	26.80	7.70	25.20	7.16	24.40	6.89	23.60	6.64	22.00	6.12
	5	4.1	28.40	7.78	26.80	7.26	25.20	6.76	24.40	6.51	23.60	6.27	22.00	5.79
	7	6	28.40	7.32	26.80	6.85	25.20	6.38	24.40	6.15	23.60	5.93	22.00	5.48
	9	7.9	28.40	6.92	26.80	6.47	25.20	6.02	24.40	5.81	23.60	5.61	22.00	5.19
	11	9.8	28.40	6.53	26.80	6.11	25.20	5.70	24.40	5.50	23.60	5.31	22.00	4.92
	13	11.8	28.40	6.15	26.80	5.77	25.20	5.39	24.40	5.20	23.60	5.02	22.00	4.65
	15	13.7	28.40	5.82	26.80	5.47	25.20	5.11	24.40	4.93	23.60	4.76	22.00	4.42

Heating capacity tables

10HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
	-19.8	-20	19.75	9.19	19.66	9.41	19.66	9.63	19.66	9.74	19.66	9.86	19.16	9.75
	-18.8	-19	20.05	9.27	20.05	9.48	19.96	9.70	19.96	9.81	19.96	9.92	19.16	9.55
	-16.7	-17	20.85	9.42	20.85	9.63	20.75	9.84	20.75	9.94	20.55	8.86	19.16	9.11
	-13.7	-15	21.75	9.58	21.65	9.78	21.65	9.99	21.25	9.84	20.55	9.44	19.16	8.66
	-11.8	-13	22.65	9.74	22.65	9.93	22.05	9.70	21.25	9.32	20.55	8.95	19.16	8.21
	-9.8	-11	23.75	9.90	23.45	9.89	22.05	9.16	21.25	8.81	20.55	8.45	19.16	7.76
	-9.5	-10	24.35	9.99	23.45	9.60	22.05	8.89	21.25	8.55	20.55	8.22	19.16	7.55
	-8.5	-9.1	24.84	10.04	23.45	9.34	22.05	8.66	21.25	8.32	20.55	8.00	19.16	7.36
	-7	-7.6	24.84	9.59	23.45	8.92	22.05	8.28	21.25	7.97	20.55	7.66	19.16	7.05
70%	-5	-5.6	24.84	9.01	23.45	8.40	22.05	7.80	21.25	7.50	20.55	8.86	19.16	6.65
	-3	-3.7	24.84	8.48	23.45	7.92	22.05	7.36	21.25	7.08	20.55	6.81	19.16	6.28
	0	-0.7	24.84	7.72	23.45	7.22	22.05	6.71	21.25	6.47	20.55	6.23	19.16	5.76
	3	2.2	24.84	7.06	23.45	6.61	22.05	6.15	21.25	5.93	20.55	5.71	19.16	5.28
	5	4.1	24.84	6.66	23.45	6.23	22.05	5.82	21.25	5.61	20.55	5.40	19.16	5.00
	7	6	24.84	6.29	23.45	5.90	22.05	5.50	21.25	5.31	20.55	5.12	19.16	4.75
	9	7.9	24.84	5.95	23.45	5.57	22.05	5.21	21.25	5.03	20.55	4.85	19.16	4.50
	11	9.8	24.84	5.63	23.45	5.27	22.05	4.94	21.25	4.77	20.55	4.61	19.16	4.27
	13	11.8	24.84	5.32	23.45	4.99	22.05	4.67	21.25	4.52	20.55	4.36	19.16	4.06
	15	13.7	24.84	5.04	23.45	4.74	22.05	4.44	21.25	4.30	20.55	4.15	19.16	3.87
	-19.8	-20	19.70	9.75	19.60	9.93	18.90	9.56	18.30	9.18	17.70	8.82	16.50	8.09
	-18.8	-19	20.00	9.82	20.00	10.00	18.90	9.35	18.30	8.99	17.70	8.62	16.50	7.92
	-16.7	-17	20.80	9.94	20.10	9.63	18.90	8.92	18.30	8.58	17.70	8.24	16.50	7.57
	-13.7	-15	21.30	9.84	20.10	9.15	18.90	8.48	18.30	8.16	17.70	7.84	16.50	7.21
	-11.8	-13	21.30	9.31	20.10	8.67	18.90	8.04	18.30	7.74	17.70	7.44	16.50	6.88
	-9.8	-11	21.30	8.80	20.10	8.19	18.90	7.61	18.30	7.32	17.70	7.05	16.50	6.50
	-9.5	-10	21.30	8.55	20.10	7.97	18.90	7.40	18.30	7.13	17.70	6.85	16.50	6.31
	-8.5	-9.1	21.30	8.32	20.10	7.76	18.90	7.22	18.30	6.95	17.70	6.68	16.50	6.16
	-7	-7.6	21.30	7.96	20.10	7.43	18.90	6.91	18.30	6.66	17.70	6.40	16.50	5.92
60%	-5	-5.6	21.30	7.50	20.10	7.00	18.90	6.52	18.30	6.28	17.70	6.05	16.50	5.60
	-3	-3.7	21.30	7.08	20.10	6.62	18.90	6.16	18.30	5.95	17.70	5.72	16.50	5.29
	0	-0.7	21.30	6.47	20.10	6.06	18.90	5.65	18.30	5.46	17.70	5.25	16.50	4.87
	3	2.2	21.30	5.93	20.10	5.56	18.90	5.20	18.30	5.02	17.70	4.84	16.50	4.49
	5	4.1	21.30	5.61	20.10	5.26	18.90	4.92	18.30	4.76	17.70	4.59	16.50	4.26
	7	6	21.30	5.31	20.10	4.98	18.90	4.66	18.30	4.51	17.70	4.36	16.50	4.05
	9	7.9	21.30	5.03	20.10	4.73	18.90	4.42	18.30	4.29	17.70	4.13	16.50	3.86
	11	9.8	21.30	4.77	20.10	4.49	18.90	4.21	18.30	4.07	17.70	3.93	16.50	3.67
	13	11.8	21.30	4.51	20.10	4.25	18.90	3.99	18.30	3.87	17.70	3.74	16.50	3.49
	15	13.7	21.30	4.30	20.10	4.04	18.90	3.80	18.30	3.68	17.70	3.57	16.50	3.33
	-19.8	-20	17.74	8.87	16.75	8.26	15.75	7.67	15.15	7.39	14.65	7.10	13.66	6.54
	-18.8	-19	17.74	8.68	16.75	8.09	15.75	7.52	15.15	7.23	14.65	6.95	13.66	6.41
	-16.7	-17	17.74	8.28	16.75	7.72	15.75	7.18	15.15	6.92	14.65	6.66	13.66	6.14
	-13.7	-15	17.74	7.88	16.75	7.36	15.75	6.84	15.15	6.59	14.65	6.35	13.66	5.86
	-11.8	-13	17.74	7.49	16.75	6.99	15.75	6.51	15.15	6.27	14.65	6.04	13.66	5.58
	-9.8	-11	17.74	7.09	16.75	6.63	15.75	6.18	15.15	5.95	14.65	5.73	13.66	5.31
	-9.5	-10	17.74	6.89	16.75	6.44	15.75	6.01	15.15	5.80	14.65	5.58	13.66	5.17
	-8.5	-9.1	17.74	6.72	16.75	6.29	15.75	5.86	15.15	5.66	14.65	5.46	13.66	5.05
	-7	-7.6	17.74	6.44	16.75	6.04	15.75	5.63	15.15	5.43	14.65	5.24	13.66	4.85
50%	-5	-5.6	17.74	6.08	16.75	5.70	15.75	5.33	15.15	5.14	14.65	4.96	13.66	4.60
	-3	-3.7	17.74	5.76	16.75	5.40	15.75	5.05	15.15	4.88	14.65	4.70	13.66	4.37
	0	-0.7	17.74	5.28	16.75	4.96	15.75	4.65	15.15	4.49	14.65	4.34	13.66	4.04
	3	2.2	17.74	4.86	16.75	4.58	15.75	4.29	15.15	4.15	14.65	4.01	13.66	3.74
	5	4.1	17.74	4.62	16.75	4.34	15.75	4.07	15.15	3.94	14.65	3.81	13.66	3.55
	7	6	17.74	4.38	16.75	4.12	15.75	3.88	15.15	3.75	14.65	3.63	13.66	3.39
	9	7.9	17.74	4.16	16.75	3.92	15.75	3.68	15.15	3.58	14.65	3.46	13.66	3.23
	11	9.8	17.74	3.95	16.75	3.73	15.75	3.51	15.15	3.40	14.65	3.30	13.66	3.08
	13	11.8	17.74	3.76	16.75	3.54	15.75	3.34	15.15	3.24	14.65	3.14	13.66	2.94
	15	13.7	17.74	3.58	16.75	3.38	15.75	3.19	15.15	3.09	14.65	3.00	13.66	2.81

Heating capacity tables

12HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
130%	-19.8	-20	24.28	6.92	24.16	7.41	24.05	7.90	24.05	8.15	23.93	8.39	23.93	8.88
	-18.8	-19	24.64	7.08	24.52	7.56	24.52	8.04	24.40	8.28	24.40	8.51	24.28	9.00
	-16.7	-17	25.59	7.41	25.47	7.87	25.35	8.34	25.35	8.56	25.35	8.79	25.24	9.25
	-13.7	-15	26.66	7.75	26.55	8.20	26.43	8.64	26.43	8.86	26.31	9.09	26.31	9.53
	-11.8	-13	27.74	8.09	27.74	8.53	27.62	8.95	27.50	9.16	27.50	9.38	27.38	9.80
	-9.8	-11	29.05	8.45	28.93	8.86	28.81	9.27	28.81	9.47	28.81	9.67	28.69	10.08
	-9.5	-10	29.76	8.63	29.64	9.02	29.52	9.42	29.52	9.62	29.40	9.81	29.40	10.21
	-8.5	-9.1	30.35	8.78	30.24	9.16	30.24	9.56	30.12	9.75	30.12	9.94	30.00	10.33
	-7	-7.6	31.43	9.04	31.43	9.42	31.31	9.79	31.31	9.98	31.19	10.16	31.07	10.54
	-5	-5.6	33.09	9.38	32.97	9.74	32.85	10.09	32.85	10.27	32.74	10.44	32.74	10.79
	-3	-3.7	34.64	9.69	34.52	10.03	34.52	10.36	34.40	10.54	34.40	10.70	34.28	11.03
	0	-0.7	37.38	10.16	37.38	10.47	37.26	10.78	37.26	10.89	37.14	11.10	37.14	11.40
	3	2.2	40.35	10.58	40.24	10.87	40.12	11.16	40.12	11.30	40.12	11.45	40.00	11.73
	5	4.1	42.38	10.84	42.26	11.12	42.26	11.39	42.14	11.53	42.14	11.67	42.02	11.94
	7	6	44.52	11.10	44.40	11.35	44.40	11.62	44.28	11.75	44.28	11.87	42.50	11.40
	9	7.9	46.78	11.33	46.66	11.58	46.66	11.82	46.55	11.95	45.59	11.70	42.50	10.72
	11	9.8	49.16	11.56	49.05	11.78	48.81	11.94	47.14	11.47	45.59	11.00	42.50	10.09
	13	11.8	51.78	11.77	51.66	12.00	48.81	11.19	47.14	10.74	45.59	10.32	42.50	9.47
	15	13.7	54.28	11.98	51.90	11.37	48.81	10.54	47.14	10.13	45.59	9.72	42.50	8.93
120%	-19.8	-20	24.17	7.59	24.05	8.03	23.93	8.49	23.93	8.71	23.93	8.93	23.81	9.39
	-18.8	-19	24.53	7.73	24.41	8.17	24.41	8.62	24.29	8.83	24.29	9.06	24.17	9.51
	-16.7	-17	25.48	8.03	25.36	8.46	25.20	8.88	25.24	9.10	25.24	9.32	25.12	9.74
	-13.7	-15	26.55	8.35	26.43	8.76	26.31	9.16	26.31	9.38	26.31	9.58	26.19	9.99
	-11.8	-13	27.62	8.67	27.62	9.06	27.50	9.46	27.50	9.66	27.38	9.85	27.38	10.25
	-9.8	-11	28.93	9.00	28.81	9.37	28.81	9.75	28.69	9.94	28.69	10.12	28.57	10.50
	-9.5	-10	29.65	9.16	29.53	9.53	29.41	9.89	29.41	10.08	29.41	10.26	29.29	10.63
	-8.5	-9.1	30.24	9.30	30.12	9.66	30.12	10.02	30.00	10.20	30.00	10.39	29.88	10.74
	-7	-7.6	31.31	9.55	31.31	9.89	31.19	10.23	31.19	10.41	31.07	10.58	31.07	10.92
	-5	-5.6	32.98	9.85	32.86	10.18	32.74	10.51	32.74	10.68	32.74	10.84	32.62	11.16
	-3	-3.7	34.53	10.14	34.53	10.46	34.41	10.77	34.41	10.92	34.29	11.09	34.29	11.39
	0	-0.7	37.26	10.58	37.26	10.87	37.14	11.15	37.14	11.30	37.02	11.44	37.02	11.73
	3	2.2	40.24	10.97	40.12	11.24	40.12	11.51	40.00	11.65	40.00	11.77	39.17	11.71
	5	4.1	42.26	11.21	42.14	11.47	42.14	11.72	42.02	11.85	42.02	11.98	39.17	11.00
	7	6	44.41	11.44	44.41	11.68	44.29	11.93	43.57	11.76	42.14	11.28	39.17	10.35
	9	7.9	46.67	11.67	46.55	11.90	45.00	11.51	43.57	11.05	42.14	10.60	39.17	9.74
	11	9.8	49.05	11.87	47.86	11.67	45.00	10.82	43.57	10.40	42.14	9.98	39.17	9.18
	13	11.8	50.83	11.76	47.86	10.95	45.00	10.14	43.57	9.76	42.14	9.38	39.17	8.63
	15	13.7	50.83	11.07	47.86	10.31	45.00	9.57	43.57	9.20	42.14	8.85	39.17	8.15
110%	-19.8	-20	24.05	8.25	23.93	8.65	23.81	9.07	23.81	9.28	23.82	9.48	23.69	9.90
	-18.8	-19	24.41	8.37	24.29	8.78	24.29	9.19	24.29	9.39	24.17	9.60	24.17	10.00
	-16.7	-17	25.36	8.65	25.24	9.05	25.59	9.44	25.12	9.64	25.12	9.84	25.00	10.22
	-13.7	-15	26.43	8.95	26.31	9.33	26.19	9.70	26.19	9.89	26.19	10.08	26.07	10.45
	-11.8	-13	27.50	9.25	27.50	9.61	27.38	9.97	27.38	10.14	27.26	10.32	27.26	10.69
	-9.8	-11	28.81	9.55	28.69	9.89	28.69	10.23	28.57	10.41	28.57	10.58	28.57	10.92
	-9.5	-10	29.52	9.70	29.40	10.03	29.28	10.37	29.28	10.54	29.28	10.70	29.17	11.04
	-8.5	-9.1	30.12	9.83	30.00	10.16	30.00	10.49	29.88	10.65	29.88	10.82	29.88	9.86
	-7	-7.6	31.19	10.06	31.19	10.36	31.07	10.68	31.07	10.84	31.07	11.00	30.95	11.31
	-5	-5.6	32.86	10.33	32.74	10.64	32.62	10.93	32.62	11.09	32.62	11.24	32.50	11.55
	-3	-3.7	34.41	10.60	34.41	10.88	34.29	11.17	34.29	11.31	34.17	11.46	34.17	11.75
	0	-0.7	37.14	11.00	37.14	11.26	37.03	11.53	37.03	11.66	37.03	11.80	35.95	11.57
	3	2.2	40.12	11.37	40.00	11.61	40.00	11.85	39.88	11.96	38.57	11.48	35.95	10.53
	5	4.1	42.14	11.58	42.14	11.82	41.31	11.71	39.88	11.24	38.57	10.79	35.95	9.90
	7	6	44.28	11.80	43.93	11.88	41.31	11.00	39.88	10.56	38.57	10.14	35.95	9.32
	9	7.9	46.55	11.99	43.93	11.16	41.31	10.35	39.88	9.94	38.57	9.55	35.95	8.78
	11	9.8	46.55	11.28	43.93	10.50	41.31	9.74	39.88	9.37	38.57	9.00	35.95	8.29
	13	11.8	46.55	10.58	43.93	9.85	41.31	9.15	39.88	8.81	38.57	8.46	35.95	7.80
	15	13.7	46.55	9.39	43.93	9.29	41.31	8.64	39.88	8.31	38.57	8.01	35.95	7.38

Heating capacity tables

12HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
100%	-19.8	-20	23.93	8.91	23.81	9.28	23.81	9.66	23.69	9.85	23.69	10.03	23.57	10.41
	-18.8	-19	24.29	9.02	24.29	9.39	24.17	9.76	24.17	9.95	24.05	10.14	24.05	10.51
	-16.7	-17	25.24	9.28	25.12	9.63	25.12	9.99	25.00	10.17	25.00	10.35	25.00	10.70
	-13.7	-15	26.31	9.55	26.19	9.89	26.07	10.23	26.07	10.41	26.07	10.58	25.95	10.92
	-11.8	-13	27.38	9.83	27.38	10.14	27.26	10.47	27.26	10.64	27.26	10.81	27.14	11.14
	-9.8	-11	28.69	10.09	28.57	10.41	28.57	10.72	28.57	10.88	28.45	11.03	28.45	11.34
	-9.5	-10	29.40	10.23	29.29	10.54	29.29	10.84	29.17	11.00	29.17	11.15	29.05	11.45
	-8.5	-9.1	30.00	10.35	29.88	10.65	29.88	10.95	29.88	11.10	29.76	11.25	29.76	11.54
	-7	-7.6	31.07	10.55	31.07	10.84	30.95	11.12	30.95	11.28	30.95	11.42	30.83	11.71
	-5	-5.6	32.74	10.82	32.62	11.09	32.62	11.37	32.50	11.49	32.50	11.63	32.38	11.91
	-3	-3.7	34.29	11.06	34.29	10.04	34.17	11.58	34.17	11.71	34.17	11.84	32.74	11.34
	0	-0.7	37.02	11.42	37.02	11.66	36.90	11.90	36.31	11.71	35.12	11.23	32.74	10.30
	3	2.2	40.00	11.75	39.88	11.96	37.50	11.07	36.31	10.64	35.12	10.22	32.74	9.38
	5	4.1	42.02	11.96	39.88	11.24	37.50	10.41	36.31	10.02	35.12	9.62	32.74	8.85
	7	6	42.26	11.35	39.88	10.56	37.50	9.80	36.31	9.43	35.12	9.06	32.74	8.34
	9	7.9	42.26	10.67	39.88	9.94	37.50	9.23	36.31	8.77	35.12	8.54	32.74	7.87
	11	9.8	42.26	10.04	39.88	9.37	37.50	8.71	36.31	8.37	35.12	8.06	32.74	7.43
	13	11.8	42.26	9.43	39.88	8.81	37.50	8.20	36.31	7.89	35.12	7.60	32.74	7.01
	15	13.7	42.26	8.90	39.88	8.31	37.50	7.74	36.31	7.46	35.12	7.18	32.74	6.64
90%	-19.8	-20	23.77	9.57	23.65	9.90	23.65	10.25	23.53	10.41	23.53	10.59	23.53	10.92
	-18.8	-19	24.12	9.67	24.12	10.02	24.01	10.35	24.01	10.51	24.01	10.68	23.88	11.01
	-16.7	-17	25.08	9.91	24.95	10.23	24.95	10.55	24.95	10.72	24.84	10.87	24.84	11.19
	-13.7	-15	26.14	10.16	26.02	10.46	26.02	10.77	25.91	10.92	25.91	11.07	25.91	11.38
	-11.8	-13	27.21	10.40	27.21	10.69	27.09	10.98	27.09	11.14	27.09	11.28	26.98	11.57
	-9.8	-11	28.52	10.64	28.52	10.92	28.40	11.20	28.40	11.34	28.40	11.49	28.28	11.77
	-9.5	-10	29.23	10.77	29.12	11.05	29.12	11.31	29.00	11.45	29.00	11.59	29.00	11.86
	-8.5	-9.1	29.83	10.88	29.83	11.15	29.71	11.42	29.71	11.54	29.71	11.68	29.35	11.80
	-7	-7.6	30.90	11.06	30.90	11.31	30.78	11.58	30.78	11.71	30.78	11.84	29.35	11.26
	-5	-5.6	32.56	11.30	32.44	11.54	32.44	11.79	32.32	11.91	31.49	11.54	29.35	10.59
	-3	-3.7	34.11	11.52	34.11	11.75	33.75	11.80	32.56	11.33	31.49	10.87	29.35	9.98
	0	-0.7	36.96	11.85	35.89	11.56	33.75	10.70	32.56	10.28	31.49	9.88	29.35	9.07
	3	2.2	38.03	11.29	35.89	10.51	33.75	9.75	32.56	9.38	31.49	9.01	29.35	8.30
	5	4.1	38.03	10.61	35.89	9.89	33.75	9.19	32.56	8.83	31.49	8.50	29.35	7.83
	7	6	38.03	9.98	35.89	9.32	33.75	8.65	32.56	8.34	31.49	8.02	29.35	7.39
	9	7.9	38.03	9.41	35.89	8.77	33.75	8.16	32.56	7.87	31.49	7.57	29.35	6.99
	11	9.8	38.03	8.86	35.89	8.27	33.75	7.71	32.56	7.43	31.49	7.15	29.35	6.62
	13	11.8	38.03	8.34	35.89	7.80	33.75	7.27	32.56	7.01	31.49	6.76	29.35	6.25
	15	13.7	38.03	7.88	35.89	7.37	33.75	6.89	32.56	6.64	31.49	6.40	29.35	5.93
80%	-19.8	-20	23.69	10.23	23.57	10.53	23.57	10.83	23.57	10.98	23.45	11.14	23.45	11.43
	-18.8	-19	24.05	10.32	24.05	10.63	23.93	10.92	23.93	11.07	23.93	11.21	23.81	11.52
	-16.7	-17	25.00	10.54	24.88	10.82	24.88	11.11	24.88	11.25	24.88	11.39	24.76	11.67
	-13.7	-15	26.07	10.75	25.95	11.02	25.95	11.30	25.95	11.43	25.83	11.57	25.83	11.85
	-11.8	-13	27.14	10.97	27.14	11.24	27.02	11.49	27.02	11.62	27.02	11.76	26.19	11.44
	-9.8	-11	28.45	11.19	28.45	11.44	28.33	11.70	28.33	11.81	28.10	11.78	26.19	10.81
	-9.5	-10	29.17	11.30	29.04	11.54	29.05	11.78	29.05	11.91	28.10	11.44	26.19	10.49
	-8.5	-9.1	29.76	11.40	27.66	11.64	29.64	11.87	29.05	11.61	28.10	11.14	26.19	10.21
	-7	-7.6	30.83	11.57	30.83	11.80	30.00	11.54	29.05	11.08	28.10	10.64	26.19	9.76
	-5	-5.6	32.50	11.77	31.91	11.71	30.00	10.84	29.05	10.42	28.10	10.00	26.19	9.19
	-3	-3.7	33.81	11.84	31.91	11.02	30.00	10.21	29.05	9.83	28.10	9.43	26.19	8.68
	0	-0.7	33.81	10.74	31.91	10.00	30.00	9.29	29.05	8.95	28.10	8.59	26.19	7.92
	3	2.2	33.81	9.79	31.91	9.13	30.00	8.49	29.05	8.17	28.10	7.87	26.19	7.25
	5	4.1	33.81	9.21	31.91	8.60	30.00	8.00	29.05	7.71	28.10	7.43	26.19	6.86
	7	6	33.81	8.68	31.91	8.12	30.00	7.56	29.05	7.29	28.10	7.03	26.19	6.49
	9	7.9	33.81	8.20	31.91	7.66	30.00	7.14	29.05	6.89	28.10	6.64	26.19	6.15
	11	9.8	33.81	7.74	31.91	7.24	30.00	6.76	29.05	6.52	28.10	6.29	26.19	5.83
	13	11.8	33.81	7.29	31.91	6.83	30.00	6.39	29.05	6.16	28.10	5.94	26.19	5.51
	15	13.7	33.81	6.90	31.91	6.48	30.00	6.06	29.05	5.84	28.10	5.64	26.19	5.24

Heating capacity tables

12HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
70%	-19.8	-20	23.52	10.89	23.40	11.15	23.40	11.42	23.40	11.54	23.40	11.68	22.81	11.56
	-18.8	-19	23.87	10.98	23.87	11.24	23.76	11.49	23.76	11.62	23.76	11.76	22.81	11.31
	-16.7	-17	24.82	11.16	24.82	11.42	24.71	11.66	24.71	11.78	24.47	10.50	22.81	10.79
	-13.7	-15	25.89	11.35	25.77	11.59	25.77	11.84	25.30	11.66	24.47	11.19	22.81	10.26
	-11.8	-13	26.96	11.54	26.96	11.77	26.25	11.49	25.30	11.05	24.47	10.60	22.81	9.72
	-9.8	-11	28.27	11.73	27.91	11.72	26.25	10.86	25.30	10.44	24.47	10.02	22.81	9.20
	-9.5	-10	28.98	11.84	27.91	11.38	26.25	10.54	25.30	10.13	24.47	9.74	22.81	8.95
	-8.5	-9.1	29.58	11.90	27.91	11.07	26.25	10.26	25.30	9.86	24.47	9.48	22.81	8.72
	-7	-7.6	29.58	11.36	27.91	10.58	26.25	9.81	25.30	9.44	24.47	9.07	22.81	8.35
	-5	-5.6	29.58	10.68	27.91	9.95	26.25	9.24	25.30	8.88	24.47	10.49	22.81	7.88
	-3	-3.7	29.58	10.05	27.91	9.38	26.25	8.72	25.30	8.39	24.47	8.07	22.81	7.45
	0	-0.7	29.58	9.15	27.91	8.55	26.25	7.95	25.30	7.66	24.47	7.38	22.81	6.82
	3	2.2	29.58	8.36	27.91	7.83	26.25	7.29	25.30	7.02	24.47	6.77	22.81	6.26
	5	4.1	29.58	7.89	27.91	7.38	26.25	6.90	25.30	6.64	24.47	6.40	22.81	5.93
	7	6	29.58	7.46	27.91	6.99	26.25	6.52	25.30	6.29	24.47	6.07	22.81	5.63
	9	7.9	29.58	7.05	27.91	6.61	26.25	6.17	25.30	5.96	24.47	5.75	22.81	5.33
	11	9.8	29.58	6.67	27.91	6.25	26.25	5.85	25.30	5.65	24.47	5.46	22.81	5.06
	13	11.8	29.58	6.30	27.91	5.92	26.25	5.54	25.30	5.36	24.47	5.17	22.81	4.81
	15	13.7	29.58	5.97	27.91	5.61	26.25	5.26	25.30	5.09	24.47	4.91	22.81	4.58
60%	-19.8	-20	23.45	11.56	23.33	11.77	22.50	11.33	21.79	10.88	21.07	10.45	19.64	9.58
	-18.8	-19	23.81	11.63	23.81	11.85	22.50	11.08	21.79	10.65	21.07	10.22	19.64	9.38
	-16.7	-17	24.76	11.78	23.93	11.42	22.50	10.58	21.79	10.17	21.07	9.76	19.64	8.97
	-13.7	-15	25.36	11.66	23.93	10.84	22.50	10.05	21.79	9.67	21.07	9.29	19.64	8.54
	-11.8	-13	25.36	11.03	23.93	10.27	22.50	9.53	21.79	9.18	21.07	8.82	19.64	8.16
	-9.8	-11	25.36	10.42	23.93	9.71	22.50	9.02	21.79	8.68	21.07	8.35	19.64	7.70
	-9.5	-10	25.36	10.13	23.93	9.44	22.50	8.77	21.79	8.45	21.07	8.12	19.64	7.48
	-8.5	-9.1	25.36	9.86	23.93	9.20	22.50	8.55	21.79	8.23	21.07	7.92	19.64	7.31
	-7	-7.6	25.36	9.43	23.93	8.81	22.50	8.18	21.79	7.89	21.07	7.59	19.64	7.01
	-5	-5.6	25.36	8.88	23.93	8.30	22.50	7.72	21.79	7.44	21.07	7.16	19.64	6.63
	-3	-3.7	25.36	8.39	23.93	7.84	22.50	7.31	21.79	7.05	21.07	6.78	19.64	6.27
	0	-0.7	25.36	7.66	23.93	7.18	22.50	6.69	21.79	6.46	21.07	6.22	19.64	5.77
	3	2.2	25.36	7.03	23.93	6.59	22.50	6.16	21.79	5.94	21.07	5.74	19.64	5.32
	5	4.1	25.36	6.64	23.93	6.24	22.50	5.83	21.79	5.64	21.07	5.43	19.64	5.05
	7	6	25.36	6.29	23.93	5.90	22.50	5.52	21.79	5.34	21.07	5.17	19.64	4.80
	9	7.9	25.36	5.96	23.93	5.60	22.50	5.24	21.79	5.08	21.07	4.90	19.64	4.57
	11	9.8	25.36	5.65	23.93	5.32	22.50	4.99	21.79	4.82	21.07	4.66	19.64	4.35
	13	11.8	25.36	5.34	23.93	5.04	22.50	4.73	21.79	4.58	21.07	4.43	19.64	4.14
	15	13.7	25.36	5.09	23.93	4.79	22.50	4.51	21.79	4.37	21.07	4.23	19.64	3.95
50%	-19.8	-20	21.12	10.51	19.94	9.79	18.75	9.09	18.04	8.76	17.45	8.41	16.26	7.75
	-18.8	-19	21.12	10.28	19.94	9.58	18.75	8.91	18.04	8.57	17.45	8.23	16.26	7.60
	-16.7	-17	21.12	9.81	19.94	9.15	18.75	8.51	18.04	8.20	17.45	7.89	16.26	7.28
	-13.7	-15	21.12	9.34	19.94	8.72	18.75	8.11	18.04	7.81	17.45	7.52	16.26	6.95
	-11.8	-13	21.12	8.87	19.94	8.28	18.75	7.71	18.04	7.43	17.45	7.15	16.26	6.62
	-9.8	-11	21.12	8.40	19.94	7.85	18.75	7.32	18.04	7.05	17.45	6.80	16.26	6.29
	-9.5	-10	21.12	8.17	19.94	7.64	18.75	7.13	18.04	6.87	17.45	6.62	16.26	6.12
	-8.5	-9.1	21.12	7.97	19.94	7.46	18.75	6.95	18.04	6.71	17.45	6.47	16.26	5.98
	-7	-7.6	21.12	7.64	19.94	7.15	18.75	6.67	18.04	6.44	17.45	6.21	16.26	5.75
	-5	-5.6	21.12	7.20	19.94	6.76	18.75	6.31	18.04	6.10	17.45	5.88	16.26	5.45
	-3	-3.7	21.12	6.82	19.94	6.40	18.75	5.98	18.04	5.78	17.45	5.57	16.26	5.18
	0	-0.7	21.12	6.26	19.94	5.88	18.75	5.51	18.04	5.32	17.45	5.14	16.26	4.79
	3	2.2	21.12	5.76	19.94	5.42	18.75	5.08	18.04	4.91	17.45	4.75	16.26	4.43
	5	4.1	21.12	5.47	19.94	5.14	18.75	4.82	18.04	4.67	17.45	4.52	16.26	4.21
	7	6	21.12	5.19	19.94	4.89	18.75	4.59	18.04	4.44	17.45	4.30	16.26	4.02
	9	7.9	21.12	4.93	19.94	4.65	18.75	4.36	18.04	4.24	17.45	4.10	16.26	3.83
	11	9.8	21.12	4.68	19.94	4.42	18.75	4.16	18.04	4.03	17.45	3.91	16.26	3.65
	13	11.8	21.12	4.45	19.94	4.20	18.75	3.96	18.04	3.84	17.45	3.72	16.26	3.49
	15	13.7	21.12	4.24	19.94	4.01	18.75	3.78	18.04	3.67	17.45	3.55	16.26	3.33

Heating capacity tables

14HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
130%	-19.8	-20	29.14	8.18	29.00	8.75	28.86	9.34	28.86	9.63	28.72	9.91	28.72	10.50
	-18.8	-19	29.57	8.36	29.43	8.93	29.43	9.50	29.29	9.79	29.29	10.06	29.14	10.63
	-16.7	-17	30.71	8.75	30.57	9.29	30.43	9.85	30.43	10.12	30.43	10.39	30.29	10.93
	-13.7	-15	32.00	9.16	31.86	9.69	31.71	10.21	31.71	10.47	31.57	10.74	31.57	11.26
	-11.8	-13	33.29	9.56	33.29	10.08	33.14	10.57	33.00	10.83	33.00	11.08	32.86	11.58
	-9.8	-11	34.86	9.99	34.71	10.47	34.57	10.95	34.57	11.19	34.57	11.43	34.43	11.91
	-9.5	-10	35.71	10.20	35.57	10.66	35.43	11.13	35.43	11.37	35.28	11.60	35.28	12.06
	-8.5	-9.1	36.43	10.38	36.29	10.83	36.29	11.29	36.14	11.52	36.14	11.74	36.00	12.21
	-7	-7.6	37.71	10.68	37.71	11.13	37.57	11.57	37.57	11.79	37.43	12.00	37.28	12.45
	-5	-5.6	39.71	11.08	39.57	11.50	39.43	11.93	39.43	12.14	39.29	12.33	39.29	12.75
	-3	-3.7	41.57	11.44	41.43	11.85	41.43	12.24	41.28	12.45	41.28	12.65	41.14	13.04
	0	-0.7	44.85	12.00	44.85	12.38	44.71	12.74	44.71	12.87	44.57	13.11	44.57	13.48
	3	2.2	48.42	12.50	48.29	12.84	48.14	13.19	48.14	13.35	48.14	13.54	48.00	13.87
	5	4.1	50.85	12.81	50.71	13.14	50.71	13.46	50.57	13.62	50.57	13.79	50.43	14.11
	7	6	53.43	13.12	53.28	13.41	53.28	13.73	53.14	13.88	53.14	14.03	51.00	13.48
	9	7.9	56.14	13.38	56.00	13.69	56.00	13.97	55.86	14.12	54.71	13.82	51.00	12.66
	11	9.8	59.00	13.65	58.86	13.93	58.57	14.11	56.57	13.55	54.71	12.99	51.00	11.93
	13	11.8	62.14	13.91	62.00	14.18	58.57	13.22	56.57	12.69	54.71	12.20	51.00	11.19
	15	13.7	65.14	14.15	62.28	13.43	58.57	12.45	56.57	11.97	54.71	11.49	51.00	10.56
120%	-19.8	-20	29.00	8.96	28.86	9.49	28.71	10.03	28.71	10.29	28.71	10.56	28.57	11.10
	-18.8	-19	29.43	9.13	29.29	9.66	29.29	10.18	29.14	10.44	29.14	10.71	29.00	11.23
	-16.7	-17	30.57	9.49	30.43	10.00	30.24	10.50	30.29	10.75	30.29	11.01	30.14	11.50
	-13.7	-15	31.86	9.87	31.72	10.35	31.57	10.83	31.57	11.08	31.57	11.32	31.43	11.81
	-11.8	-13	33.15	10.24	33.15	10.71	33.00	11.17	33.00	11.41	32.86	11.64	32.86	12.11
	-9.8	-11	34.71	10.63	34.57	11.07	34.57	11.52	34.43	11.75	34.43	11.96	34.29	12.41
	-9.5	-10	35.58	10.83	35.43	11.26	35.29	11.68	35.29	11.91	35.29	12.12	35.14	12.56
	-8.5	-9.1	36.29	10.99	36.14	11.41	36.14	11.84	36.00	12.05	36.00	12.27	35.86	12.69
	-7	-7.6	37.57	11.28	37.57	11.68	37.43	12.09	37.43	12.30	37.29	12.50	37.29	12.90
	-5	-5.6	39.57	11.64	39.43	12.03	39.28	12.42	39.28	12.62	39.28	12.81	39.15	13.19
	-3	-3.7	41.43	11.99	41.43	12.36	41.29	12.72	41.29	12.90	41.14	13.10	41.14	13.46
	0	-0.7	44.72	12.50	44.72	12.84	44.57	13.17	44.57	13.36	44.43	13.52	44.43	13.87
	3	2.2	48.29	12.96	48.14	13.28	48.14	13.60	48.00	13.76	48.00	13.91	47.00	13.84
	5	4.1	50.72	13.25	50.57	13.55	50.57	13.85	50.43	14.00	50.43	14.15	47.00	12.99
	7	6	53.29	13.52	53.29	13.81	53.15	14.09	52.29	13.90	50.57	13.33	47.00	12.23
	9	7.9	56.00	13.79	55.86	14.06	54.00	13.60	52.29	13.06	50.57	12.53	47.00	11.50
	11	9.8	58.86	14.03	57.43	13.79	54.00	12.78	52.29	12.29	50.57	11.79	47.00	10.84
	13	11.8	61.00	13.90	57.43	12.93	54.00	11.99	52.29	11.54	50.57	11.08	47.00	10.20
	15	13.7	61.00	13.08	57.43	12.18	54.00	11.31	52.29	10.87	50.57	10.45	47.00	9.62
110%	-19.8	-20	28.86	9.75	28.72	10.23	28.57	10.72	28.57	10.96	28.58	11.20	28.43	11.70
	-18.8	-19	29.29	9.90	29.14	10.38	29.14	10.86	29.14	11.10	29.00	11.34	29.00	11.82
	-16.7	-17	30.43	10.23	30.29	10.69	30.71	11.16	30.14	11.39	30.14	11.63	30.00	12.08
	-13.7	-15	31.72	10.57	31.58	11.02	31.43	11.46	31.43	11.69	31.43	11.91	31.28	12.35
	-11.8	-13	33.00	10.93	33.00	11.35	32.86	11.78	32.86	11.99	32.71	12.20	32.71	12.63
	-9.8	-11	34.57	11.28	34.43	11.69	34.43	12.09	34.28	12.30	34.28	12.50	34.28	12.90
	-9.5	-10	35.43	11.46	35.29	11.85	35.14	12.26	35.14	12.45	35.14	12.65	35.00	13.04
	-8.5	-9.1	36.14	11.61	36.00	12.00	36.00	12.39	35.86	12.59	35.86	12.78	35.86	11.66
	-7	-7.6	37.43	11.88	37.43	12.24	37.29	12.62	37.29	12.81	37.29	12.99	37.14	13.37
	-5	-5.6	39.43	12.21	39.29	12.57	39.14	12.92	39.14	13.10	39.14	13.28	39.00	13.64
	-3	-3.7	41.29	12.53	41.29	12.86	41.14	13.20	41.14	13.37	41.00	13.54	41.00	13.88
	0	-0.7	44.57	12.99	44.57	13.31	44.43	13.63	44.43	13.78	44.43	13.94	43.14	13.67
	3	2.2	48.14	13.43	48.00	13.72	48.00	14.00	47.86	14.14	46.29	13.57	43.14	12.44
	5	4.1	50.57	13.69	50.57	13.97	49.57	13.84	47.86	13.28	46.29	12.75	43.14	11.70
	7	6	53.14	13.94	52.71	14.03	49.57	12.99	47.86	12.48	46.29	11.99	43.14	11.01
	9	7.9	55.86	14.17	52.71	13.19	49.57	12.23	47.86	11.75	46.29	11.28	43.14	10.38
	11	9.8	55.86	13.33	52.71	12.41	49.57	11.50	47.86	11.07	46.29	10.63	43.14	9.79
	13	11.8	55.86	12.50	52.71	11.64	49.57	10.81	47.86	10.41	46.29	10.00	43.14	9.22
	15	13.7	55.86	11.10	52.71	10.98	49.57	10.21	47.86	9.82	46.29	9.46	43.14	8.72

Heating capacity tables

14HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
100%	-19.8	-20	28.71	10.53	28.57	10.96	28.57	11.41	28.43	11.64	28.43	11.85	28.29	12.30
	-18.8	-19	29.14	10.66	29.14	11.10	29.00	11.53	29.00	11.76	28.86	11.99	28.86	12.42
	-16.7	-17	30.29	10.96	30.14	11.38	30.14	11.81	30.00	12.02	30.00	12.23	30.00	12.65
	-13.7	-15	31.57	11.28	31.43	11.69	31.28	12.09	31.28	12.30	31.28	12.50	31.14	12.90
	-11.8	-13	32.86	11.61	32.86	11.99	32.72	12.38	32.72	12.57	32.72	12.77	32.57	13.16
	-9.8	-11	34.43	11.93	34.29	12.30	34.29	12.66	34.29	12.86	34.14	13.04	34.14	13.40
	-9.5	-10	35.28	12.09	35.15	12.45	35.15	12.81	35.00	12.99	35.00	13.17	34.86	13.53
	-8.5	-9.1	36.00	12.23	35.86	12.59	35.86	12.93	35.86	13.11	35.72	13.29	35.72	13.64
	-7	-7.6	37.29	12.47	37.29	12.81	37.14	13.14	37.14	13.32	37.14	13.49	37.00	13.84
	-5	-5.6	39.29	12.78	39.14	13.10	39.14	13.43	39.00	13.58	39.00	13.75	38.86	14.08
	-3	-3.7	41.14	13.07	41.14	11.87	41.00	13.69	41.00	13.84	41.00	13.99	39.29	13.40
	0	-0.7	44.43	13.49	44.43	13.78	44.28	14.06	43.57	13.84	42.14	13.26	39.29	12.17
	3	2.2	48.00	13.88	47.86	14.14	45.00	13.08	43.57	12.57	42.14	12.08	39.29	11.08
	5	4.1	50.43	14.14	47.86	13.28	45.00	12.30	43.57	11.83	42.14	11.37	39.29	10.45
	7	6	50.72	13.41	47.86	12.48	45.00	11.58	43.57	11.14	42.14	10.71	39.29	9.85
	9	7.9	50.72	12.60	47.86	11.75	45.00	10.90	43.57	10.36	42.14	10.09	39.29	9.29
	11	9.8	50.72	11.87	47.86	11.07	45.00	10.29	43.57	9.90	42.14	9.52	39.29	8.78
	13	11.8	50.72	11.14	47.86	10.41	45.00	9.69	43.57	9.32	42.14	8.98	39.29	8.29
	15	13.7	50.72	10.51	47.86	9.82	45.00	9.14	43.57	8.81	42.14	8.48	39.29	7.85
90%	-19.8	-20	28.52	11.31	28.38	11.70	28.38	12.11	28.24	12.30	28.24	12.51	28.24	12.90
	-18.8	-19	28.95	11.43	28.95	11.83	28.81	12.23	28.81	12.42	28.81	12.62	28.66	13.01
	-16.7	-17	30.09	11.72	29.95	12.09	29.95	12.47	29.95	12.66	29.80	12.84	29.80	13.22
	-13.7	-15	31.37	12.00	31.23	12.36	31.23	12.72	31.09	12.90	31.09	13.08	31.09	13.44
	-11.8	-13	32.66	12.29	32.66	12.63	32.51	12.98	32.51	13.16	32.51	13.32	32.37	13.67
	-9.8	-11	34.23	12.57	34.23	12.90	34.08	13.23	34.08	13.40	34.08	13.58	33.94	13.91
	-9.5	-10	35.08	12.72	34.94	13.05	34.94	13.37	34.80	13.53	34.80	13.70	34.80	14.02
	-8.5	-9.1	35.79	12.86	35.79	13.17	35.65	13.49	35.65	13.64	35.65	13.81	35.22	13.94
	-7	-7.6	37.08	13.07	37.08	13.37	36.94	13.68	36.94	13.84	36.94	13.99	35.22	13.31
	-5	-5.6	39.07	13.35	38.93	13.64	38.93	13.93	38.79	14.08	37.79	13.64	35.22	12.51
	-3	-3.7	40.93	13.61	40.93	13.88	40.50	13.94	39.07	13.38	37.79	12.84	35.22	11.79
	0	-0.7	44.35	14.00	43.07	13.66	40.50	12.65	39.07	12.15	37.79	11.67	35.22	10.72
	3	2.2	45.64	13.34	43.07	12.42	40.50	11.52	39.07	11.08	37.79	10.65	35.22	9.80
	5	4.1	45.64	12.54	43.07	11.68	40.50	10.86	39.07	10.44	37.79	10.05	35.22	9.25
	7	6	45.64	11.79	43.07	11.01	40.50	10.23	39.07	9.85	37.79	9.47	35.22	8.74
	9	7.9	45.64	11.11	43.07	10.36	40.50	9.64	39.07	9.29	37.79	8.95	35.22	8.26
	11	9.8	45.64	10.47	43.07	9.78	40.50	9.11	39.07	8.78	37.79	8.45	35.22	7.82
	13	11.8	45.64	9.85	43.07	9.22	40.50	8.59	39.07	8.29	37.79	7.99	35.22	7.38
	15	13.7	45.64	9.31	43.07	8.71	40.50	8.14	39.07	7.85	37.79	7.56	35.22	7.01
80%	-19.8	-20	28.43	12.09	28.29	12.44	28.29	12.80	28.29	12.98	28.14	13.16	28.14	13.50
	-18.8	-19	28.86	12.20	28.86	12.56	28.71	12.90	28.71	13.08	28.71	13.25	28.57	13.61
	-16.7	-17	30.00	12.45	29.86	12.78	29.86	13.13	29.86	13.29	29.86	13.46	29.71	13.79
	-13.7	-15	31.28	12.71	31.14	13.02	31.14	13.35	31.14	13.50	31.00	13.67	31.00	14.00
	-11.8	-13	32.57	12.96	32.57	13.28	32.43	13.58	32.43	13.73	32.43	13.90	31.43	13.52
	-9.8	-11	34.14	13.22	34.14	13.52	34.00	13.82	34.00	13.96	33.71	13.93	31.43	12.77
	-9.5	-10	35.00	13.35	34.85	13.64	34.86	13.93	34.86	14.08	33.71	13.52	31.43	12.39
	-8.5	-9.1	35.72	13.47	33.20	13.76	35.57	14.03	34.86	13.72	33.71	13.16	31.43	12.06
	-7	-7.6	37.00	13.67	37.00	13.94	36.00	13.64	34.86	13.10	33.71	12.57	31.43	11.53
	-5	-5.6	39.00	13.91	38.29	13.84	36.00	12.81	34.86	12.32	33.71	11.82	31.43	10.86
	-3	-3.7	40.57	13.99	38.29	13.02	36.00	12.06	34.86	11.61	33.71	11.14	31.43	10.26
	0	-0.7	40.57	12.69	38.29	11.82	36.00	10.98	34.86	10.57	33.71	10.15	31.43	9.35
	3	2.2	40.57	11.56	38.29	10.78	36.00	10.03	34.86	9.65	33.71	9.29	31.43	8.57
	5	4.1	40.57	10.89	38.29	10.17	36.00	9.46	34.86	9.11	33.71	8.78	31.43	8.11
	7	6	40.57	10.26	38.29	9.59	36.00	8.93	34.86	8.62	33.71	8.30	31.43	7.67
	9	7.9	40.57	9.68	38.29	9.05	36.00	8.44	34.86	8.14	33.71	7.85	31.43	7.26
	11	9.8	40.57	9.14	38.29	8.56	36.00	7.99	34.86	7.70	33.71	7.43	31.43	6.89
	13	11.8	40.57	8.62	38.29	8.08	36.00	7.55	34.86	7.28	33.71	7.02	31.43	6.51
	15	13.7	40.57	8.15	38.29	7.65	36.00	7.16	34.86	6.90	33.71	6.66	31.43	6.20

Heating capacity tables

14HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
70%	-19.8	-20	28.22	12.87	28.08	13.17	28.08	13.49	28.08	13.64	28.08	13.81	27.37	13.65
	-18.8	-19	28.65	12.98	28.65	13.28	28.51	13.58	28.51	13.73	28.51	13.90	27.37	13.37
	-16.7	-17	29.79	13.19	29.79	13.49	29.65	13.78	29.65	13.93	29.36	12.41	27.37	12.75
	-13.7	-15	31.07	13.41	30.93	13.70	30.93	13.99	30.36	13.78	29.36	13.22	27.37	12.12
	-11.8	-13	32.35	13.64	32.35	13.91	31.50	13.58	30.36	13.05	29.36	12.53	27.37	11.49
	-9.8	-11	33.92	13.87	33.49	13.85	31.50	12.83	30.36	12.33	29.36	11.83	27.37	10.87
	-9.5	-10	34.78	13.99	33.49	13.44	31.50	12.45	30.36	11.97	29.36	11.50	27.37	10.57
	-8.5	-9.1	35.49	14.06	33.49	13.08	31.50	12.12	30.36	11.65	29.36	11.20	27.37	10.30
	-7	-7.6	35.49	13.43	33.49	12.50	31.50	11.59	30.36	11.16	29.36	10.72	27.37	9.87
	-5	-5.6	35.49	12.62	33.49	11.76	31.50	10.92	30.36	10.50	29.36	12.40	27.37	9.31
	-3	-3.7	35.49	11.88	33.49	11.08	31.50	10.30	30.36	9.91	29.36	9.53	27.37	8.80
	0	-0.7	35.49	10.81	33.49	10.11	31.50	9.40	30.36	9.05	29.36	8.72	27.37	8.06
	3	2.2	35.49	9.88	33.49	9.25	31.50	8.62	30.36	8.30	29.36	8.00	27.37	7.40
	5	4.1	35.49	9.32	33.49	8.72	31.50	8.15	30.36	7.85	29.36	7.56	27.37	7.01
	7	6	35.49	8.81	33.49	8.26	31.50	7.70	30.36	7.43	29.36	7.17	27.37	6.65
	9	7.9	35.49	8.33	33.49	7.81	31.50	7.29	30.36	7.04	29.36	6.80	27.37	6.30
	11	9.8	35.49	7.88	33.49	7.38	31.50	6.92	30.36	6.68	29.36	6.45	27.37	5.98
	13	11.8	35.49	7.44	33.49	6.99	31.50	6.54	30.36	6.33	29.36	6.11	27.37	5.68
	15	13.7	35.49	7.05	33.49	6.63	31.50	6.21	30.36	6.02	29.36	5.80	27.37	5.41
60%	-19.8	-20	28.14	13.65	28.00	13.91	27.00	13.38	26.14	12.86	25.29	12.35	23.57	11.32
	-18.8	-19	28.57	13.74	28.57	14.00	27.00	13.10	26.14	12.59	25.29	12.08	23.57	11.08
	-16.7	-17	29.71	13.92	28.71	13.49	27.00	12.50	26.14	12.02	25.29	11.53	23.57	10.60
	-13.7	-15	30.43	13.77	28.71	12.81	27.00	11.88	26.14	11.43	25.29	10.98	23.57	10.09
	-11.8	-13	30.43	13.04	28.71	12.14	27.00	11.26	26.14	10.84	25.29	10.42	23.57	9.64
	-9.8	-11	30.43	12.32	28.71	11.47	27.00	10.66	26.14	10.26	25.29	9.86	23.57	9.10
	-9.5	-10	30.43	11.97	28.71	11.16	27.00	10.36	26.14	9.99	25.29	9.59	23.57	8.84
	-8.5	-9.1	30.43	11.65	28.71	10.87	27.00	10.11	26.14	9.73	25.29	9.35	23.57	8.63
	-7	-7.6	30.43	11.14	28.71	10.41	27.00	9.67	26.14	9.32	25.29	8.96	23.57	8.29
	-5	-5.6	30.43	10.50	28.71	9.80	27.00	9.13	26.14	8.80	25.29	8.47	23.57	7.84
	-3	-3.7	30.43	9.91	28.71	9.26	27.00	8.63	26.14	8.33	25.29	8.02	23.57	7.41
	0	-0.7	30.43	9.05	28.71	8.48	27.00	7.91	26.14	7.64	25.29	7.35	23.57	6.81
	3	2.2	30.43	8.30	28.71	7.79	27.00	7.28	26.14	7.02	25.29	6.78	23.57	6.29
	5	4.1	30.43	7.85	28.71	7.37	27.00	6.89	26.14	6.66	25.29	6.42	23.57	5.97
	7	6	30.43	7.43	28.71	6.98	27.00	6.53	26.14	6.32	25.29	6.11	23.57	5.67
	9	7.9	30.43	7.04	28.71	6.62	27.00	6.20	26.14	6.00	25.29	5.79	23.57	5.40
	11	9.8	30.43	6.68	28.71	6.29	27.00	5.89	26.14	5.70	25.29	5.50	23.57	5.14
	13	11.8	30.43	6.32	28.71	5.95	27.00	5.59	26.14	5.41	25.29	5.23	23.57	4.89
	15	13.7	30.43	6.02	28.71	5.65	27.00	5.32	26.14	5.16	25.29	4.99	23.57	4.66
50%	-19.8	-20	25.35	12.42	23.92	11.56	22.50	10.74	21.65	10.35	20.93	9.94	19.51	9.16
	-18.8	-19	25.35	12.15	23.92	11.32	22.50	10.53	21.65	10.12	20.93	9.73	19.51	8.98
	-16.7	-17	25.35	11.59	23.92	10.81	22.50	10.06	21.65	9.68	20.93	9.32	19.51	8.60
	-13.7	-15	25.35	11.04	23.92	10.30	22.50	9.58	21.65	9.23	20.93	8.89	19.51	8.21
	-11.8	-13	25.35	10.48	23.92	9.79	22.50	9.11	21.65	8.78	20.93	8.45	19.51	7.82
	-9.8	-11	25.35	9.93	23.92	9.28	22.50	8.65	21.65	8.33	20.93	8.03	19.51	7.43
	-9.5	-10	25.35	9.65	23.92	9.02	22.50	8.42	21.65	8.12	20.93	7.82	19.51	7.23
	-8.5	-9.1	25.35	9.41	23.92	8.81	22.50	8.21	21.65	7.92	20.93	7.64	19.51	7.07
	-7	-7.6	25.35	9.02	23.92	8.45	22.50	7.88	21.65	7.61	20.93	7.34	19.51	6.80
	-5	-5.6	25.35	8.51	23.92	7.99	22.50	7.46	21.65	7.20	20.93	6.95	19.51	6.44
	-3	-3.7	25.35	8.06	23.92	7.56	22.50	7.07	21.65	6.83	20.93	6.59	19.51	6.12
	0	-0.7	25.35	7.40	23.92	6.95	22.50	6.51	21.65	6.29	20.93	6.08	19.51	5.65
	3	2.2	25.35	6.81	23.92	6.41	22.50	6.00	21.65	5.80	20.93	5.61	19.51	5.23
	5	4.1	25.35	6.47	23.92	6.08	22.50	5.70	21.65	5.52	20.93	5.34	19.51	4.98
	7	6	25.35	6.14	23.92	5.77	22.50	5.43	21.65	5.25	20.93	5.08	19.51	4.75
	9	7.9	25.35	5.82	23.92	5.49	22.50	5.16	21.65	5.01	20.93	4.84	19.51	4.53
	11	9.8	25.35	5.53	23.92	5.22	22.50	4.92	21.65	4.77	20.93	4.62	19.51	4.32
	13	11.8	25.35	5.26	23.92	4.96	22.50	4.68	21.65	4.54	20.93	4.39	19.51	4.12
	15	13.7	25.35	5.01	23.92	4.74	22.50	4.47	21.65	4.33	20.93	4.20	19.51	3.94

Heating capacity tables

16HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
130%	-19.8	-20	32.38	9.43	32.22	10.09	32.07	10.77	32.07	11.10	31.91	11.43	31.91	12.10
	-18.8	-19	32.86	9.64	32.70	10.30	32.70	10.96	32.54	11.29	32.54	11.60	32.38	12.26
	-16.7	-17	34.13	10.09	33.97	10.71	33.81	11.36	33.81	11.67	33.81	11.98	33.65	12.60
	-13.7	-15	35.55	10.56	35.40	11.17	35.24	11.77	35.24	12.07	35.08	12.38	35.08	12.99
	-11.8	-13	36.99	11.03	36.99	11.62	36.83	12.19	36.67	12.48	36.67	12.78	36.51	13.35
	-9.8	-11	38.73	11.51	38.57	12.07	38.41	12.62	38.41	12.90	38.41	13.18	38.25	13.73
	-9.5	-10	39.68	11.75	39.53	12.29	39.37	12.83	39.37	13.11	39.21	13.37	39.21	13.90
	-8.5	-9.1	40.47	11.96	40.32	12.48	40.32	13.02	40.16	13.28	40.16	13.54	40.00	14.08
	-7	-7.6	41.91	12.31	41.91	12.83	41.75	13.33	41.75	13.59	41.59	13.83	41.43	14.36
	-5	-5.6	44.13	12.78	43.97	13.26	43.81	13.75	43.81	13.99	43.65	14.22	43.65	14.70
	-3	-3.7	46.19	13.19	46.03	13.66	46.03	14.11	45.87	14.36	45.87	14.58	45.71	15.03
	0	-0.7	49.84	13.83	49.84	14.27	49.68	14.68	49.68	14.84	49.52	15.12	49.52	15.53
	3	2.2	53.81	14.41	53.65	14.81	53.49	15.21	53.49	15.40	53.49	15.60	53.33	15.99
	5	4.1	56.51	14.77	56.35	15.15	56.35	15.52	56.19	15.71	56.19	15.90	56.03	16.26
	7	6	59.36	15.12	59.21	15.47	59.21	15.83	59.05	16.00	59.05	16.18	56.67	15.53
	9	7.9	62.38	15.43	62.22	15.78	62.22	16.11	62.06	16.28	60.79	15.94	56.67	14.60
	11	9.8	65.55	15.74	65.40	16.05	65.08	16.26	62.86	15.62	60.79	14.98	56.67	13.75
	13	11.8	69.04	16.04	68.89	16.35	65.08	15.24	62.86	14.63	60.79	14.06	56.67	12.90
	15	13.7	72.38	16.32	69.20	15.48	65.08	14.36	62.86	13.80	60.79	13.25	56.67	12.17
120%	-19.8	-20	32.22	10.33	32.06	10.94	31.90	11.56	31.90	11.86	31.90	12.17	31.75	12.80
	-18.8	-19	32.70	10.52	32.54	11.13	32.54	11.74	32.38	12.03	32.38	12.35	32.22	12.95
	-16.7	-17	33.97	10.94	33.81	11.53	33.60	12.10	33.65	12.40	33.65	12.69	33.49	13.26
	-13.7	-15	35.40	11.37	35.24	11.93	35.08	12.48	35.08	12.78	35.08	13.05	34.92	13.61
	-11.8	-13	36.83	11.81	36.83	12.35	36.67	12.88	36.67	13.16	36.51	13.42	36.51	13.96
	-9.8	-11	38.57	12.26	38.41	12.76	38.41	13.28	38.25	13.54	38.25	13.78	38.10	14.30
	-9.5	-10	39.53	12.48	39.37	12.99	39.21	13.47	39.21	13.73	39.21	13.97	39.05	14.48
	-8.5	-9.1	40.32	12.67	40.16	13.16	40.16	13.64	40.00	13.89	40.00	14.15	39.84	14.63
	-7	-7.6	41.75	13.00	41.75	13.47	41.59	13.94	41.59	14.18	41.43	14.41	41.43	14.88
	-5	-5.6	43.97	13.42	43.81	13.87	43.65	14.32	43.65	14.55	43.65	14.77	43.50	15.21
	-3	-3.7	46.04	13.82	46.04	14.25	45.88	14.67	45.88	14.88	45.72	15.10	45.72	15.52
	0	-0.7	49.68	14.41	49.68	14.81	49.53	15.19	49.53	15.40	49.37	15.59	49.37	15.99
	3	2.2	53.65	14.95	53.49	15.31	53.49	15.67	53.33	15.86	53.33	16.04	52.22	15.95
	5	4.1	56.35	15.27	56.19	15.62	56.19	15.97	56.03	16.14	56.03	16.32	52.22	14.98
	7	6	59.21	15.59	59.21	15.92	59.05	16.25	58.10	16.02	56.19	15.36	52.22	14.10
	9	7.9	62.23	15.90	62.07	16.21	60.00	15.67	58.10	15.05	56.19	14.44	52.22	13.26
	11	9.8	65.40	16.18	63.81	15.90	60.00	14.74	58.10	14.16	56.19	13.59	52.22	12.50
	13	11.8	67.78	16.02	63.81	14.91	60.00	13.82	58.10	13.30	56.19	12.78	52.22	11.76
	15	13.7	67.78	15.08	63.81	14.04	60.00	13.04	58.10	12.54	56.19	12.05	52.22	11.10
110%	-19.8	-20	32.06	11.24	31.91	11.79	31.75	12.36	31.75	12.64	31.76	12.92	31.59	13.49
	-18.8	-19	32.54	11.41	32.38	11.96	32.38	12.52	32.38	12.80	32.22	13.07	32.22	13.63
	-16.7	-17	33.81	11.79	33.65	12.33	34.12	12.86	33.49	13.13	33.49	13.40	33.33	13.92
	-13.7	-15	35.24	12.19	35.09	12.71	34.92	13.21	34.92	13.47	34.92	13.73	34.76	14.23
	-11.8	-13	36.67	12.60	36.67	13.09	36.51	13.58	36.51	13.82	36.35	14.06	36.35	14.56
	-9.8	-11	38.41	13.00	38.25	13.47	38.25	13.94	38.09	14.18	38.09	14.41	38.09	14.88
	-9.5	-10	39.37	13.21	39.21	13.66	39.05	14.13	39.05	14.36	39.05	14.58	38.89	15.03
	-8.5	-9.1	40.16	13.38	40.00	13.84	40.00	14.29	39.84	14.51	39.84	14.74	39.84	13.44
	-7	-7.6	41.59	13.70	41.59	14.11	41.43	14.55	41.43	14.77	41.43	14.98	41.27	15.41
	-5	-5.6	43.81	14.08	43.65	14.49	43.49	14.89	43.49	15.10	43.49	15.31	43.33	15.73
	-3	-3.7	45.88	14.44	45.88	14.82	45.72	15.22	45.72	15.41	45.56	15.60	45.56	16.00
	0	-0.7	49.52	14.98	49.52	15.34	49.37	15.71	49.37	15.88	49.37	16.07	47.94	15.76
	3	2.2	53.49	15.48	53.33	15.81	53.33	16.14	53.17	16.30	51.43	15.64	47.94	14.34
	5	4.1	56.19	15.78	56.19	16.11	55.08	15.95	53.17	15.31	51.43	14.70	47.94	13.49
	7	6	59.05	16.07	58.57	16.18	55.08	14.98	53.17	14.39	51.43	13.82	47.94	12.69
	9	7.9	62.06	16.33	58.57	15.20	55.08	14.09	53.17	13.54	51.43	13.00	47.94	11.96
	11	9.8	62.06	15.36	58.57	14.30	55.08	13.26	53.17	12.76	51.43	12.26	47.94	11.29
	13	11.8	62.06	14.41	58.57	13.42	55.08	12.47	53.17	12.00	51.43	11.53	47.94	10.63
	15	13.7	62.06	12.80	58.57	12.66	55.08	11.77	53.17	11.32	51.43	10.91	47.94	10.06

Heating capacity tables

16HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
100%	-19.8	-20	31.91	12.14	31.75	12.64	31.75	13.16	31.59	13.42	31.59	13.66	31.43	14.18
	-18.8	-19	32.38	12.29	32.38	12.79	32.22	13.30	32.22	13.56	32.07	13.82	32.07	14.32
	-16.7	-17	33.65	12.64	33.49	13.12	33.49	13.61	33.34	13.85	33.34	14.09	33.34	14.58
	-13.7	-15	35.08	13.00	34.92	13.47	34.76	13.94	34.76	14.18	34.76	14.41	34.61	14.87
	-11.8	-13	36.51	13.38	36.51	13.82	36.35	14.27	36.35	14.49	36.35	14.72	36.19	15.17
	-9.8	-11	38.26	13.75	38.10	14.18	38.10	14.60	38.10	14.82	37.94	15.03	37.94	15.45
	-9.5	-10	39.21	13.94	39.05	14.36	39.05	14.77	38.89	14.98	38.89	15.19	38.73	15.60
	-8.5	-9.1	40.00	14.09	39.84	14.51	39.84	14.91	39.84	15.12	39.69	15.33	39.69	15.72
	-7	-7.6	41.43	14.37	41.43	14.77	41.27	15.15	41.27	15.36	41.27	15.55	41.11	15.95
	-5	-5.6	43.65	14.74	43.49	15.10	43.49	15.48	43.34	15.66	43.34	15.85	43.18	16.23
	-3	-3.7	45.72	15.07	45.72	13.68	45.56	15.78	45.56	15.95	45.56	16.12	43.65	15.45
	0	-0.7	49.37	15.55	49.37	15.88	49.21	16.21	48.42	15.95	46.83	15.29	43.65	14.03
	3	2.2	53.34	16.00	53.18	16.30	50.00	15.08	48.42	14.49	46.83	13.92	43.65	12.78
	5	4.1	56.03	16.30	53.18	15.31	50.00	14.18	48.42	13.64	46.83	13.11	43.65	12.05
	7	6	56.35	15.46	53.18	14.39	50.00	13.35	48.42	12.85	46.83	12.34	43.65	11.36
	9	7.9	56.35	14.53	53.18	13.54	50.00	12.57	48.42	11.95	46.83	11.63	43.65	10.71
	11	9.8	56.35	13.68	53.18	12.76	50.00	11.86	48.42	11.41	46.83	10.98	43.65	10.12
	13	11.8	56.35	12.85	53.18	12.00	50.00	11.17	48.42	10.75	46.83	10.35	43.65	9.55
	15	13.7	56.35	12.12	53.18	11.32	50.00	10.54	48.42	10.16	46.83	9.78	43.65	9.05
90%	-19.8	-20	31.69	13.04	31.53	13.49	31.53	13.96	31.37	14.18	31.37	14.42	31.37	14.88
	-18.8	-19	32.17	13.18	32.17	13.64	32.01	14.10	32.01	14.32	32.01	14.55	31.85	15.00
	-16.7	-17	33.44	13.51	33.27	13.94	33.27	14.37	33.27	14.60	33.12	14.81	33.12	15.24
	-13.7	-15	34.86	13.83	34.70	14.25	34.70	14.67	34.54	14.87	34.54	15.08	34.54	15.50
	-11.8	-13	36.28	14.16	36.28	14.56	36.13	14.96	36.13	15.17	36.13	15.36	35.97	15.76
	-9.8	-11	38.03	14.49	38.03	14.88	37.87	15.26	37.87	15.45	37.87	15.66	37.71	16.04
	-9.5	-10	38.98	14.67	38.82	15.05	38.82	15.41	38.66	15.60	38.66	15.79	38.66	16.16
	-8.5	-9.1	39.77	14.82	39.77	15.19	39.61	15.55	39.61	15.72	39.61	15.92	39.14	16.07
	-7	-7.6	41.20	15.07	41.20	15.41	41.04	15.78	41.04	15.95	41.04	16.12	39.14	15.34
	-5	-5.6	43.42	15.40	43.26	15.72	43.26	16.05	43.10	16.23	41.99	15.72	39.14	14.42
	-3	-3.7	45.48	15.69	45.48	16.00	45.00	16.07	43.42	15.43	41.99	14.81	39.14	13.59
	0	-0.7	49.28	16.14	47.85	15.74	45.00	14.58	43.42	14.01	41.99	13.45	39.14	12.36
	3	2.2	50.71	15.38	47.85	14.32	45.00	13.28	43.42	12.78	41.99	12.28	39.14	11.30
	5	4.1	50.71	14.46	47.85	13.47	45.00	12.52	43.42	12.03	41.99	11.58	39.14	10.66
	7	6	50.71	13.59	47.85	12.69	45.00	11.79	43.42	11.36	41.99	10.92	39.14	10.07
	9	7.9	50.71	12.81	47.85	11.95	45.00	11.11	43.42	10.71	41.99	10.32	39.14	9.52
	11	9.8	50.71	12.07	47.85	11.27	45.00	10.51	43.42	10.12	41.99	9.74	39.14	9.02
	13	11.8	50.71	11.36	47.85	10.63	45.00	9.90	43.42	9.55	41.99	9.21	39.14	8.51
	15	13.7	50.71	10.73	47.85	10.04	45.00	9.38	43.42	9.05	41.99	8.72	39.14	8.08
80%	-19.8	-20	31.59	13.94	31.43	14.34	31.43	14.75	31.43	14.96	31.27	15.17	31.27	15.57
	-18.8	-19	32.06	14.06	32.06	14.48	31.90	14.87	31.90	15.08	31.90	15.27	31.75	15.69
	-16.7	-17	33.33	14.35	33.18	14.74	33.18	15.14	33.18	15.33	33.18	15.52	33.02	15.90
	-13.7	-15	34.76	14.65	34.60	15.01	34.60	15.39	34.60	15.57	34.44	15.76	34.44	16.14
	-11.8	-13	36.19	14.94	36.19	15.31	36.03	15.66	36.03	15.83	36.03	16.02	34.92	15.59
	-9.8	-11	37.94	15.24	37.94	15.59	37.78	15.93	37.78	16.09	37.46	16.05	34.92	14.72
	-9.5	-10	38.89	15.39	38.72	15.72	38.73	16.05	38.73	16.23	37.46	15.59	34.92	14.29
	-8.5	-9.1	39.68	15.53	36.88	15.86	39.52	16.18	38.73	15.81	37.46	15.17	34.92	13.90
	-7	-7.6	41.11	15.76	41.11	16.07	40.00	15.72	38.73	15.10	37.46	14.49	34.92	13.30
	-5	-5.6	43.33	16.04	42.54	15.95	40.00	14.77	38.73	14.20	37.46	13.63	34.92	12.52
	-3	-3.7	45.08	16.12	42.54	15.01	40.00	13.90	38.73	13.38	37.46	12.85	34.92	11.82
	0	-0.7	45.08	14.63	42.54	13.63	40.00	12.66	38.73	12.19	37.46	11.70	34.92	10.78
	3	2.2	45.08	13.33	42.54	12.43	40.00	11.56	38.73	11.13	37.46	10.71	34.92	9.88
	5	4.1	45.08	12.55	42.54	11.72	40.00	10.90	38.73	10.51	37.46	10.13	34.92	9.34
	7	6	45.08	11.82	42.54	11.06	40.00	10.30	38.73	9.93	37.46	9.57	34.92	8.84
	9	7.9	45.08	11.17	42.54	10.44	40.00	9.73	38.73	9.38	37.46	9.05	34.92	8.37
	11	9.8	45.08	10.54	42.54	9.86	40.00	9.21	38.73	8.88	37.46	8.56	34.92	7.94
	13	11.8	45.08	9.93	42.54	9.31	40.00	8.70	38.73	8.39	37.46	8.10	34.92	7.51
	15	13.7	45.08	9.40	42.54	8.82	40.00	8.25	38.73	7.96	37.46	7.68	34.92	7.14

Heating capacity tables

16HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
70%	-19.8	-20	31.36	14.84	31.20	15.19	31.20	15.55	31.20	15.72	31.20	15.92	30.41	15.74
	-18.8	-19	31.83	14.96	31.83	15.31	31.68	15.66	31.68	15.83	31.68	16.02	30.41	15.41
	-16.7	-17	33.10	15.20	33.10	15.55	32.94	15.88	32.94	16.05	32.62	14.30	30.41	14.70
	-13.7	-15	34.52	15.46	34.37	15.79	34.37	16.12	33.73	15.88	32.62	15.24	30.41	13.97
	-11.8	-13	35.95	15.72	35.95	16.04	35.00	15.66	33.73	15.05	32.62	14.44	30.41	13.25
	-9.8	-11	37.69	15.98	37.22	15.97	35.00	14.79	33.73	14.22	32.62	13.64	30.41	12.53
	-9.5	-10	38.64	16.12	37.22	15.50	35.00	14.35	33.73	13.80	32.62	13.26	30.41	12.19
	-8.5	-9.1	39.43	16.21	37.22	15.08	35.00	13.97	33.73	13.44	32.62	12.92	30.41	11.88
	-7	-7.6	39.43	15.48	37.22	14.41	35.00	13.37	33.73	12.86	32.62	12.36	30.41	11.37
	-5	-5.6	39.43	14.55	37.22	13.56	35.00	12.59	33.73	12.10	32.62	14.30	30.41	10.73
	-3	-3.7	39.43	13.70	37.22	12.78	35.00	11.88	33.73	11.42	32.62	10.99	30.41	10.14
	0	-0.7	39.43	12.47	37.22	11.65	35.00	10.84	33.73	10.44	32.62	10.06	30.41	9.29
	3	2.2	39.43	11.39	37.22	10.66	35.00	9.93	33.73	9.57	32.62	9.22	30.41	8.53
	5	4.1	39.43	10.75	37.22	10.06	35.00	9.40	33.73	9.05	32.62	8.72	30.41	8.08
	7	6	39.43	10.16	37.22	9.52	35.00	8.88	33.73	8.56	32.62	8.27	30.41	7.66
	9	7.9	39.43	9.60	37.22	9.00	35.00	8.41	33.73	8.11	32.62	7.84	30.41	7.26
	11	9.8	39.43	9.08	37.22	8.51	35.00	7.97	33.73	7.70	32.62	7.44	30.41	6.90
	13	11.8	39.43	8.58	37.22	8.06	35.00	7.54	33.73	7.30	32.62	7.04	30.41	6.55
	15	13.7	39.43	8.13	37.22	7.65	35.00	7.16	33.73	6.94	32.62	6.69	30.41	6.24
60%	-19.8	-20	31.27	15.74	31.11	16.04	30.00	15.43	29.05	14.82	28.10	14.23	26.19	13.05
	-18.8	-19	31.75	15.85	31.75	16.14	30.00	15.10	29.05	14.51	28.10	13.92	26.19	12.78
	-16.7	-17	33.02	16.05	31.91	15.55	30.00	14.41	29.05	13.85	28.10	13.30	26.19	12.22
	-13.7	-15	33.81	15.88	31.91	14.77	30.00	13.70	29.05	13.18	28.10	12.66	26.19	11.63
	-11.8	-13	33.81	15.03	31.91	13.99	30.00	12.99	29.05	12.50	28.10	12.01	26.19	11.11
	-9.8	-11	33.81	14.20	31.91	13.23	30.00	12.29	29.05	11.82	28.10	11.37	26.19	10.49
	-9.5	-10	33.81	13.80	31.91	12.86	30.00	11.95	29.05	11.51	28.10	11.06	26.19	10.19
	-8.5	-9.1	33.81	13.44	31.91	12.53	30.00	11.65	29.05	11.22	28.10	10.78	26.19	9.95
	-7	-7.6	33.81	12.85	31.91	12.00	30.00	11.15	29.05	10.75	28.10	10.33	26.19	9.55
	-5	-5.6	33.81	12.10	31.91	11.30	30.00	10.52	29.05	10.14	28.10	9.76	26.19	9.03
	-3	-3.7	33.81	11.42	31.91	10.68	30.00	9.95	29.05	9.60	28.10	9.24	26.19	8.55
	0	-0.7	33.81	10.44	31.91	9.78	30.00	9.12	29.05	8.81	28.10	8.48	26.19	7.85
	3	2.2	33.81	9.57	31.91	8.98	30.00	8.39	29.05	8.10	28.10	7.82	26.19	7.25
	5	4.1	33.81	9.05	31.91	8.49	30.00	7.94	29.05	7.68	28.10	7.40	26.19	6.88
	7	6	33.81	8.56	31.91	8.04	30.00	7.52	29.05	7.28	28.10	7.04	26.19	6.54
	9	7.9	33.81	8.11	31.91	7.63	30.00	7.14	29.05	6.92	28.10	6.67	26.19	6.22
	11	9.8	33.81	7.70	31.91	7.25	30.00	6.80	29.05	6.57	28.10	6.35	26.19	5.93
	13	11.8	33.81	7.28	31.91	6.86	30.00	6.45	29.05	6.24	28.10	6.03	26.19	5.63
	15	13.7	33.81	6.93	31.91	6.52	30.00	6.14	29.05	5.95	28.10	5.76	26.19	5.37
50%	-19.8	-20	28.17	14.32	26.58	13.33	25.00	12.38	24.05	11.93	23.26	11.46	21.68	10.56
	-18.8	-19	28.17	14.01	26.58	13.05	25.00	12.14	24.05	11.67	23.26	11.22	21.68	10.35
	-16.7	-17	28.17	13.37	26.58	12.47	25.00	11.60	24.05	11.16	23.26	10.75	21.68	9.92
	-13.7	-15	28.17	12.72	26.58	11.88	25.00	11.04	24.05	10.64	23.26	10.25	21.68	9.47
	-11.8	-13	28.17	12.08	26.58	11.29	25.00	10.51	24.05	10.12	23.26	9.74	21.68	9.01
	-9.8	-11	28.17	11.44	26.58	10.70	25.00	9.97	24.05	9.60	23.26	9.26	21.68	8.56
	-9.5	-10	28.17	11.13	26.58	10.40	25.00	9.71	24.05	9.36	23.26	9.01	21.68	8.34
	-8.5	-9.1	28.17	10.85	26.58	10.16	25.00	9.47	24.05	9.14	23.26	8.81	21.68	8.15
	-7	-7.6	28.17	10.40	26.58	9.74	25.00	9.08	24.05	8.77	23.26	8.46	21.68	7.84
	-5	-5.6	28.17	9.81	26.58	9.21	25.00	8.60	24.05	8.30	23.26	8.01	21.68	7.42
	-3	-3.7	28.17	9.29	26.58	8.72	25.00	8.15	24.05	7.87	23.26	7.59	21.68	7.06
	0	-0.7	28.17	8.53	26.58	8.01	25.00	7.51	24.05	7.25	23.26	7.00	21.68	6.52
	3	2.2	28.17	7.85	26.58	7.39	25.00	6.92	24.05	6.69	23.26	6.47	21.68	6.03
	5	4.1	28.17	7.45	26.58	7.00	25.00	6.57	24.05	6.36	23.26	6.15	21.68	5.74
	7	6	28.17	7.07	26.58	6.66	25.00	6.26	24.05	6.05	23.26	5.86	21.68	5.48
	9	7.9	28.17	6.71	26.58	6.33	25.00	5.95	24.05	5.77	23.26	5.58	21.68	5.22
	11	9.8	28.17	6.38	26.58	6.02	25.00	5.67	24.05	5.50	23.26	5.32	21.68	4.98
	13	11.8	28.17	6.07	26.58	5.72	25.00	5.39	24.05	5.24	23.26	5.06	21.68	4.75
	15	13.7	28.17	5.77	26.58	5.46	25.00	5.15	24.05	4.99	23.26	4.84	21.68	4.54

Heating capacity tables

18HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
130%	-19.8	-20	36.26	11.78	36.09	12.60	35.91	13.44	35.91	13.86	35.73	14.27	35.73	15.11
	-18.8	-19	36.80	12.04	36.62	12.86	36.62	13.68	36.44	14.09	36.44	14.48	36.26	15.31
	-16.7	-17	38.22	12.60	38.04	13.38	37.86	14.18	37.86	14.57	37.86	14.96	37.69	15.74
	-13.7	-15	39.82	13.18	39.65	13.94	39.47	14.70	39.47	15.07	39.29	15.46	39.29	16.22
	-11.8	-13	41.42	13.77	41.42	14.50	41.24	15.22	41.07	15.59	41.07	15.95	40.89	16.67
	-9.8	-11	43.38	14.38	43.20	15.07	43.02	15.76	43.02	16.11	43.02	16.45	42.84	17.15
	-9.5	-10	44.44	14.68	44.27	15.35	44.09	16.02	44.09	16.37	43.91	16.69	43.91	17.36
	-8.5	-9.1	45.33	14.94	45.16	15.59	45.16	16.26	44.98	16.58	44.98	16.91	44.80	17.58
	-7	-7.6	46.93	15.37	46.93	16.02	46.75	16.65	46.75	16.97	46.58	17.28	46.40	17.93
	-5	-5.6	49.42	15.95	49.24	16.56	49.06	17.17	49.06	17.47	48.89	17.75	48.89	18.36
	-3	-3.7	51.73	16.47	51.56	17.06	51.56	17.62	51.38	17.93	51.38	18.21	51.20	18.77
	0	-0.7	55.82	17.28	55.82	17.82	55.64	18.34	55.64	18.53	55.47	18.88	55.47	19.40
	3	2.2	60.26	17.99	60.09	18.49	59.91	18.99	59.91	19.22	59.91	19.48	59.73	19.96
	5	4.1	63.29	18.45	63.11	18.92	63.11	19.38	62.93	19.61	62.93	19.85	62.76	20.31
	7	6	66.49	18.88	66.31	19.31	66.31	19.77	66.13	19.98	66.13	20.20	63.46	19.40
	9	7.9	69.86	19.27	69.68	19.70	69.68	20.11	69.51	20.33	68.09	19.90	63.46	18.23
	11	9.8	73.42	19.66	73.25	20.05	72.89	20.31	70.40	19.51	68.09	18.70	63.46	17.17
	13	11.8	77.33	20.02	77.15	20.42	72.89	19.03	70.40	18.27	68.09	17.56	63.46	16.11
	15	13.7	81.06	20.37	77.51	19.33	72.89	17.93	70.40	17.23	68.09	16.54	63.46	15.20
120%	-19.8	-20	36.09	12.90	35.91	13.66	35.73	14.44	35.73	14.81	35.73	15.20	35.55	15.98
	-18.8	-19	36.63	13.14	36.45	13.90	36.45	14.66	36.27	15.03	36.27	15.42	36.09	16.17
	-16.7	-17	38.05	13.66	37.87	14.40	37.63	15.11	37.69	15.48	37.69	15.85	37.51	16.56
	-13.7	-15	39.65	14.20	39.47	14.90	39.29	15.59	39.29	15.96	39.29	16.30	39.11	17.00
	-11.8	-13	41.25	14.74	41.25	15.42	41.07	16.09	41.07	16.43	40.89	16.76	40.89	17.43
	-9.8	-11	43.20	15.31	43.02	15.93	43.02	16.58	42.84	16.91	42.84	17.21	42.67	17.86
	-9.5	-10	44.27	15.59	44.09	16.22	43.91	16.82	43.91	17.15	43.91	17.45	43.74	18.08
	-8.5	-9.1	45.16	15.82	44.98	16.43	44.98	17.04	44.80	17.34	44.80	17.67	44.62	18.27
	-7	-7.6	46.76	16.24	46.76	16.82	46.58	17.41	46.58	17.71	46.40	17.99	46.40	18.58
	-5	-5.6	49.24	16.76	49.07	17.32	48.89	17.88	48.89	18.16	48.89	18.45	48.72	18.99
	-3	-3.7	51.56	17.26	51.56	17.80	51.38	18.32	51.38	18.58	51.20	18.86	51.20	19.38
	0	-0.7	55.65	17.99	55.65	18.49	55.47	18.97	55.47	19.23	55.29	19.46	55.29	19.96
	3	2.2	60.09	18.66	59.91	19.12	59.91	19.57	59.73	19.81	59.73	20.03	58.49	19.92
	5	4.1	63.11	19.07	62.94	19.51	62.94	19.94	62.76	20.16	62.76	20.37	58.49	18.71
	7	6	66.31	19.46	66.31	19.87	66.14	20.29	65.07	20.00	62.94	19.18	58.49	17.60
	9	7.9	69.69	19.85	69.52	20.24	67.20	19.57	65.07	18.80	62.94	18.03	58.49	16.56
	11	9.8	73.25	20.20	71.47	19.85	67.20	18.40	65.07	17.69	62.94	16.97	58.49	15.61
	13	11.8	75.91	20.00	71.47	18.62	67.20	17.26	65.07	16.61	62.94	15.96	58.49	14.68
	15	13.7	75.91	18.84	71.47	17.54	67.20	16.28	65.07	15.65	62.94	15.05	58.49	13.86
110%	-19.8	-20	35.91	14.03	35.74	14.72	35.56	15.44	35.56	15.78	35.57	16.13	35.38	16.84
	-18.8	-19	36.45	14.25	36.27	14.94	36.27	15.63	36.27	15.98	36.09	16.32	36.09	17.02
	-16.7	-17	37.87	14.72	37.69	15.39	38.22	16.06	37.51	16.39	37.51	16.74	37.33	17.38
	-13.7	-15	39.47	15.22	39.30	15.87	39.11	16.50	39.11	16.82	39.11	17.15	38.93	17.77
	-11.8	-13	41.07	15.74	41.07	16.34	40.89	16.95	40.89	17.26	40.71	17.56	40.71	18.19
	-9.8	-11	43.02	16.24	42.84	16.82	42.84	17.41	42.66	17.71	42.66	17.99	42.66	18.58
	-9.5	-10	44.09	16.50	43.91	17.06	43.73	17.64	43.73	17.93	43.73	18.21	43.56	18.77
	-8.5	-9.1	44.98	16.71	44.80	17.28	44.80	17.84	44.62	18.12	44.62	18.40	44.62	16.78
	-7	-7.6	46.58	17.10	46.58	17.62	46.40	18.16	46.40	18.45	46.40	18.71	46.22	19.25
	-5	-5.6	49.07	17.58	48.89	18.10	48.71	18.60	48.71	18.86	48.71	19.12	48.53	19.64
	-3	-3.7	51.38	18.03	51.38	18.51	51.20	19.01	51.20	19.25	51.02	19.49	51.02	19.98
	0	-0.7	55.47	18.71	55.47	19.16	55.29	19.61	55.29	19.83	55.29	20.07	53.69	19.68
	3	2.2	59.91	19.33	59.73	19.75	59.73	20.16	59.56	20.35	57.60	19.53	53.69	17.90
	5	4.1	62.94	19.70	62.94	20.11	61.69	19.92	59.56	19.12	57.60	18.36	53.69	16.84
	7	6	66.13	20.07	65.60	20.20	61.69	18.71	59.56	17.97	57.60	17.26	53.69	15.85
	9	7.9	69.51	20.39	65.60	18.99	61.69	17.60	59.56	16.91	57.60	16.24	53.69	14.94
	11	9.8	69.51	19.18	65.60	17.86	61.69	16.56	59.56	15.94	57.60	15.31	53.69	14.09
	13	11.8	69.51	17.99	65.60	16.76	61.69	15.57	59.56	14.98	57.60	14.40	53.69	13.27
	15	13.7	69.51	15.98	65.60	15.80	61.69	14.70	59.56	14.14	57.60	13.62	53.69	12.56

Heating capacity tables

18HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			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
100%	-19.8	-20	35.73	15.15	35.55	15.78	35.55	16.43	35.38	16.76	35.38	17.06	35.20	17.71
	-18.8	-19	36.27	15.35	36.27	15.98	36.09	16.60	36.09	16.93	35.91	17.26	35.91	17.88
	-16.7	-17	37.69	15.78	37.51	16.39	37.51	17.00	37.34	17.30	37.34	17.60	37.34	18.21
	-13.7	-15	39.29	16.24	39.11	16.82	38.93	17.41	38.93	17.71	38.93	17.99	38.76	18.57
	-11.8	-13	40.89	16.71	40.89	17.26	40.71	17.82	40.71	18.10	40.71	18.38	40.53	18.94
	-9.8	-11	42.85	17.17	42.67	17.71	42.67	18.23	42.67	18.51	42.49	18.77	42.49	19.29
	-9.5	-10	43.91	17.41	43.74	17.93	43.74	18.45	43.56	18.71	43.56	18.97	43.38	19.48
	-8.5	-9.1	44.80	17.60	44.62	18.12	44.62	18.62	44.62	18.88	44.45	19.14	44.45	19.64
	-7	-7.6	46.40	17.95	46.40	18.45	46.22	18.92	46.22	19.18	46.22	19.42	46.04	19.92
	-5	-5.6	48.89	18.40	48.71	18.86	48.71	19.33	48.54	19.55	48.54	19.79	48.36	20.26
	-3	-3.7	51.20	18.81	51.20	17.08	51.02	19.70	51.02	19.92	51.02	20.13	48.89	19.29
	0	-0.7	55.29	19.42	55.29	19.83	55.11	20.24	54.22	19.92	52.44	19.10	48.89	17.51
	3	2.2	59.74	19.98	59.56	20.35	56.00	18.84	54.22	18.10	52.44	17.39	48.89	15.95
	5	4.1	62.75	20.35	59.56	19.12	56.00	17.71	54.22	17.04	52.44	16.37	48.89	15.05
	7	6	63.11	19.31	59.56	17.97	56.00	16.67	54.22	16.04	52.44	15.41	48.89	14.18
	9	7.9	63.11	18.14	59.56	16.91	56.00	15.70	54.22	14.92	52.44	14.53	48.89	13.38
	11	9.8	63.11	17.08	59.56	15.93	56.00	14.81	54.22	14.24	52.44	13.70	48.89	12.64
	13	11.8	63.11	16.04	59.56	14.98	56.00	13.94	54.22	13.42	52.44	12.92	48.89	11.93
	15	13.7	63.11	15.13	59.56	14.14	56.00	13.16	54.22	12.69	52.44	12.21	48.89	11.30
90%	-19.8	-20	35.49	16.28	35.32	16.84	35.32	17.43	35.14	17.71	35.14	18.01	35.14	18.58
	-18.8	-19	36.03	16.45	36.03	17.04	35.85	17.60	35.85	17.88	35.85	18.16	35.67	18.73
	-16.7	-17	37.45	16.86	37.27	17.41	37.27	17.95	37.27	18.23	37.09	18.49	37.09	19.03
	-13.7	-15	39.04	17.28	38.86	17.80	38.86	18.31	38.69	18.57	38.69	18.83	38.69	19.35
	-11.8	-13	40.64	17.69	40.64	18.19	40.46	18.68	40.46	18.94	40.46	19.18	40.28	19.68
	-9.8	-11	42.59	18.10	42.59	18.58	42.41	19.05	42.41	19.29	42.41	19.55	42.24	20.03
	-9.5	-10	43.66	18.31	43.48	18.79	43.48	19.25	43.30	19.48	43.30	19.72	43.30	20.18
	-8.5	-9.1	44.54	18.51	44.54	18.96	44.37	19.42	44.37	19.64	44.37	19.87	43.83	20.07
	-7	-7.6	46.14	18.81	46.14	19.25	45.96	19.70	45.96	19.92	45.96	20.13	43.83	19.16
	-5	-5.6	48.63	19.22	48.45	19.64	48.45	20.05	48.27	20.26	47.03	19.64	43.83	18.01
	-3	-3.7	50.93	19.59	50.93	19.98	50.40	20.07	48.63	19.27	47.03	18.49	43.83	16.97
	0	-0.7	55.19	20.15	53.60	19.66	50.40	18.21	48.63	17.49	47.03	16.80	43.83	15.44
	3	2.2	56.79	19.20	53.60	17.88	50.40	16.58	48.63	15.95	47.03	15.33	43.83	14.11
	5	4.1	56.79	18.06	53.60	16.82	50.40	15.63	48.63	15.02	47.03	14.46	43.83	13.31
	7	6	56.79	16.97	53.60	15.85	50.40	14.72	48.63	14.18	47.03	13.64	43.83	12.58
	9	7.9	56.79	16.00	53.60	14.92	50.40	13.88	48.63	13.38	47.03	12.88	43.83	11.89
	11	9.8	56.79	15.07	53.60	14.07	50.40	13.12	48.63	12.64	47.03	12.17	43.83	11.26
	13	11.8	56.79	14.18	53.60	13.27	50.40	12.36	48.63	11.93	47.03	11.50	43.83	10.63
	15	13.7	56.79	13.40	53.60	12.54	50.40	11.71	48.63	11.30	47.03	10.89	43.83	10.09
80%	-19.8	-20	35.38	17.40	35.20	17.90	35.20	18.42	35.20	18.68	35.02	18.94	35.02	19.44
	-18.8	-19	35.91	17.56	35.91	18.08	35.73	18.57	35.73	18.83	35.73	19.07	35.56	19.59
	-16.7	-17	37.33	17.92	37.16	18.40	37.16	18.90	37.16	19.14	37.16	19.38	36.98	19.85
	-13.7	-15	38.93	18.29	38.76	18.75	38.76	19.22	38.76	19.44	38.58	19.68	38.58	20.15
	-11.8	-13	40.54	18.66	40.54	19.12	40.36	19.55	40.36	19.76	40.36	20.00	39.11	19.46
	-9.8	-11	42.49	19.03	42.49	19.46	42.31	19.89	42.31	20.09	41.96	20.05	39.11	18.38
	-9.5	-10	43.55	19.22	43.37	19.63	43.38	20.05	43.38	20.26	41.96	19.46	39.11	17.84
	-8.5	-9.1	44.45	19.40	41.31	19.81	44.27	20.20	43.38	19.74	41.96	18.94	39.11	17.36
	-7	-7.6	46.05	19.68	46.05	20.07	44.80	19.63	43.38	18.86	41.96	18.10	39.11	16.60
	-5	-5.6	48.53	20.02	47.64	19.92	44.80	18.44	43.38	17.73	41.96	17.02	39.11	15.63
	-3	-3.7	50.49	20.13	47.64	18.75	44.80	17.36	43.38	16.71	41.96	16.04	39.11	14.76
	0	-0.7	50.49	18.27	47.64	17.02	44.80	15.80	43.38	15.22	41.96	14.61	39.11	13.46
	3	2.2	50.49	16.65	47.64	15.52	44.80	14.44	43.38	13.90	41.96	13.38	39.11	12.34
	5	4.1	50.49	15.67	47.64	14.63	44.80	13.62	43.38	13.12	41.96	12.64	39.11	11.67
	7	6	50.49	14.76	47.64	13.81	44.80	12.86	43.38	12.40	41.96	11.95	39.11	11.04
	9	7.9	50.49	13.94	47.64	13.03	44.80	12.14	43.38	11.71	41.96	11.30	39.11	10.46
	11	9.8	50.49	13.16	47.64	12.32	44.80	11.49	43.38	11.08	41.96	10.69	39.11	9.91
	13	11.8	50.49	12.40	47.64	11.62	44.80	10.87	43.38	10.48	41.96	10.11	39.11	9.37
	15	13.7	50.49	11.73	47.64	11.02	44.80	10.30	43.38	9.94	41.96	9.59	39.11	8.92

Heating capacity tables

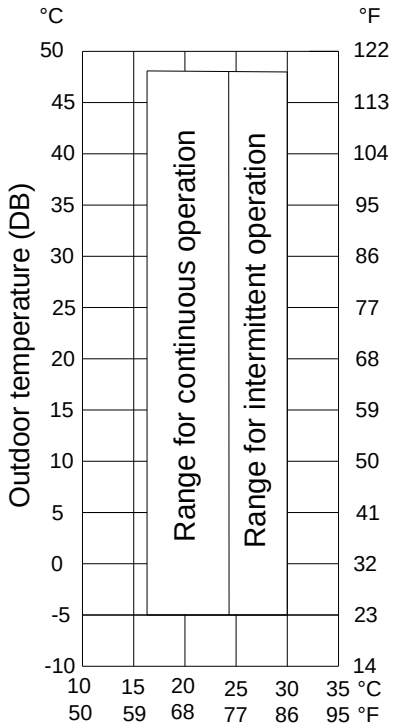
18HP

CR: Combination Ratio; **TC:** Total Capacity (kW); **PI:** Power Input (kW) (Compressor + Outdoor fan motor)

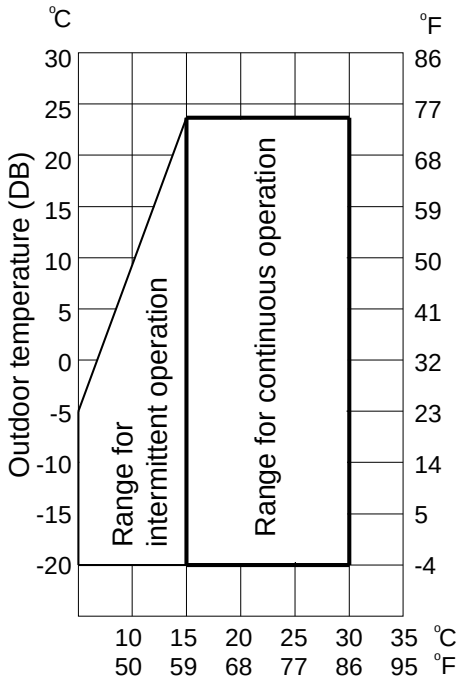
CR	Outdoor temp.		Indoor temp. (°C DB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.8	-20	35.12	18.53	34.94	18.96	34.94	19.42	34.94	19.64	34.94	19.87	34.06	19.66
	-18.8	-19	35.65	18.68	35.65	19.12	35.48	19.55	35.48	19.76	35.48	20.00	34.06	19.24
	-16.7	-17	37.07	18.99	37.07	19.42	36.90	19.83	36.90	20.05	36.54	17.86	34.06	18.36
	-13.7	-15	38.67	19.31	38.49	19.72	38.49	20.13	37.78	19.83	36.54	19.03	34.06	17.45
	-11.8	-13	40.26	19.64	40.26	20.02	39.20	19.55	37.78	18.79	36.54	18.03	34.06	16.54
	-9.8	-11	42.21	19.96	41.68	19.94	39.20	18.47	37.78	17.75	36.54	17.04	34.06	15.65
	-9.5	-10	43.28	20.13	41.68	19.35	39.20	17.92	37.78	17.23	36.54	16.56	34.06	15.22
	-8.5	-9.1	44.17	20.24	41.68	18.83	39.20	17.45	37.78	16.78	36.54	16.13	34.06	14.83
	-7	-7.6	44.17	19.33	41.68	17.99	39.20	16.69	37.78	16.06	36.54	15.44	34.06	14.20
	-5	-5.6	44.17	18.16	41.68	16.93	39.20	15.72	37.78	15.11	36.54	17.85	34.06	13.40
	-3	-3.7	44.17	17.10	41.68	15.96	39.20	14.83	37.78	14.27	36.54	13.73	34.06	12.66
	0	-0.7	44.17	15.57	41.68	14.55	39.20	13.53	37.78	13.03	36.54	12.56	34.06	11.60
	3	2.2	44.17	14.22	41.68	13.31	39.20	12.40	37.78	11.95	36.54	11.52	34.06	10.65
	5	4.1	44.17	13.42	41.68	12.56	39.20	11.73	37.78	11.30	36.54	10.89	34.06	10.09
	7	6	44.17	12.69	41.68	11.89	39.20	11.08	37.78	10.69	36.54	10.33	34.06	9.57
	9	7.9	44.17	11.99	41.68	11.24	39.20	10.50	37.78	10.13	36.54	9.78	34.06	9.07
	11	9.8	44.17	11.34	41.68	10.63	39.20	9.96	37.78	9.61	36.54	9.29	34.06	8.62
	13	11.8	44.17	10.72	41.68	10.07	39.20	9.42	37.78	9.11	36.54	8.79	34.06	8.18
	15	13.7	44.17	10.15	41.68	9.55	39.20	8.94	37.78	8.66	36.54	8.36	34.06	7.79
60%	-19.8	-20	35.02	19.66	34.84	20.02	33.60	19.27	32.53	18.51	31.47	17.77	29.33	16.30
	-18.8	-19	35.56	19.79	35.56	20.15	33.60	18.86	32.53	18.12	31.47	17.38	29.33	15.95
	-16.7	-17	36.98	20.05	35.73	19.42	33.60	17.99	32.53	17.30	31.47	16.60	29.33	15.26
	-13.7	-15	37.87	19.83	35.73	18.44	33.60	17.10	32.53	16.45	31.47	15.80	29.33	14.53
	-11.8	-13	37.87	18.77	35.73	17.47	33.60	16.21	32.53	15.61	31.47	15.00	29.33	13.88
	-9.8	-11	37.87	17.73	35.73	16.52	33.60	15.35	32.53	14.76	31.47	14.20	29.33	13.10
	-9.5	-10	37.87	17.23	35.73	16.06	33.60	14.92	32.53	14.37	31.47	13.81	29.33	12.73
	-8.5	-9.1	37.87	16.78	35.73	15.65	33.60	14.55	32.53	14.01	31.47	13.47	29.33	12.43
	-7	-7.6	37.87	16.04	35.73	14.98	33.60	13.92	32.53	13.42	31.47	12.90	29.33	11.93
	-5	-5.6	37.87	15.11	35.73	14.11	33.60	13.14	32.53	12.66	31.47	12.19	29.33	11.28
	-3	-3.7	37.87	14.27	35.73	13.34	33.60	12.43	32.53	11.99	31.47	11.54	29.33	10.67
	0	-0.7	37.87	13.03	35.73	12.21	33.60	11.39	32.53	11.00	31.47	10.59	29.33	9.81
	3	2.2	37.87	11.95	35.73	11.21	33.60	10.48	32.53	10.11	31.47	9.76	29.33	9.05
	5	4.1	37.87	11.30	35.73	10.61	33.60	9.91	32.53	9.59	31.47	9.24	29.33	8.59
	7	6	37.87	10.69	35.73	10.04	33.60	9.40	32.53	9.09	31.47	8.79	29.33	8.16
	9	7.9	37.87	10.13	35.73	9.52	33.60	8.92	32.53	8.64	31.47	8.33	29.33	7.77
	11	9.8	37.87	9.61	35.73	9.05	33.60	8.49	32.53	8.20	31.47	7.92	29.33	7.40
	13	11.8	37.87	9.09	35.73	8.57	33.60	8.05	32.53	7.79	31.47	7.53	29.33	7.04
	15	13.7	37.87	8.66	35.73	8.14	33.60	7.66	32.53	7.43	31.47	7.19	29.33	6.71
50%	-19.8	-20	31.54	17.88	29.77	16.65	28.00	15.46	26.94	14.89	26.05	14.31	24.28	13.18
	-18.8	-19	31.54	17.49	29.77	16.30	28.00	15.15	26.94	14.57	26.05	14.01	24.28	12.92
	-16.7	-17	31.54	16.69	29.77	15.56	28.00	14.48	26.94	13.94	26.05	13.42	24.28	12.38
	-13.7	-15	31.54	15.89	29.77	14.83	28.00	13.79	26.94	13.29	26.05	12.79	24.28	11.82
	-11.8	-13	31.54	15.09	29.77	14.09	28.00	13.12	26.94	12.64	26.05	12.17	24.28	11.26
	-9.8	-11	31.54	14.29	29.77	13.36	28.00	12.45	26.94	11.99	26.05	11.56	24.28	10.69
	-9.5	-10	31.54	13.90	29.77	12.99	28.00	12.12	26.94	11.69	26.05	11.26	24.28	10.41
	-8.5	-9.1	31.54	13.55	29.77	12.69	28.00	11.82	26.94	11.41	26.05	11.00	24.28	10.17
	-7	-7.6	31.54	12.99	29.77	12.17	28.00	11.34	26.94	10.95	26.05	10.56	24.28	9.79
	-5	-5.6	31.54	12.25	29.77	11.49	28.00	10.74	26.94	10.37	26.05	10.00	24.28	9.27
	-3	-3.7	31.54	11.60	29.77	10.89	28.00	10.17	26.94	9.83	26.05	9.48	24.28	8.81
	0	-0.7	31.54	10.65	29.77	10.00	28.00	9.37	26.94	9.05	26.05	8.75	24.28	8.14
	3	2.2	31.54	9.81	29.77	9.22	28.00	8.64	26.94	8.36	26.05	8.07	24.28	7.53
	5	4.1	31.54	9.31	29.77	8.75	28.00	8.20	26.94	7.94	26.05	7.69	24.28	7.17
	7	6	31.54	8.83	29.77	8.31	28.00	7.81	26.94	7.56	26.05	7.32	24.28	6.84
	9	7.9	31.54	8.38	29.77	7.90	28.00	7.42	26.94	7.21	26.05	6.97	24.28	6.52
	11	9.8	31.54	7.97	29.77	7.51	28.00	7.08	26.94	6.86	26.05	6.65	24.28	6.21
	13	11.8	31.54	7.58	29.77	7.14	28.00	6.73	26.94	6.54	26.05	6.32	24.28	5.93
	15	13.7	31.54	7.21	29.77	6.82	28.00	6.43	26.94	6.23	26.05	6.04	24.28	5.67

8. Operation limits

Cooling



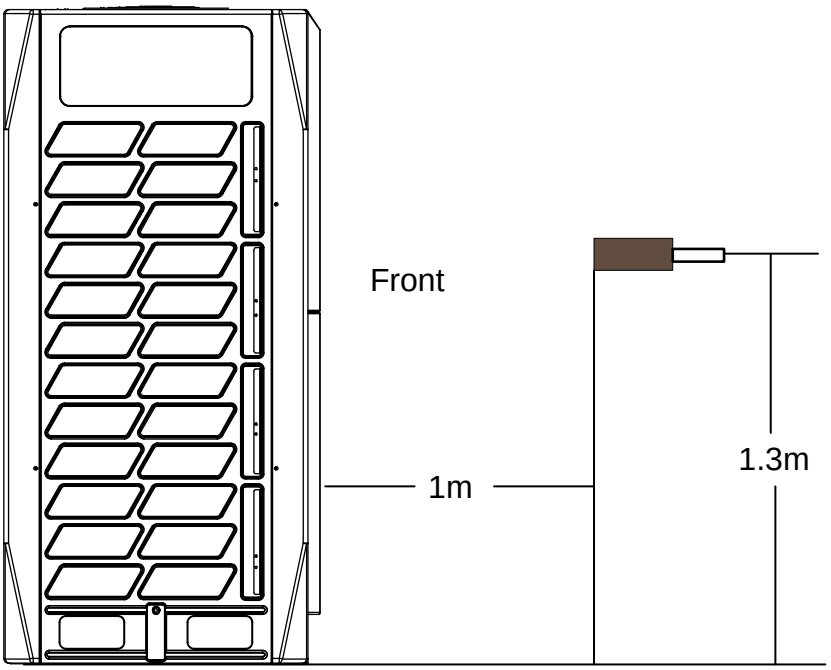
Heating



Note:

1. These figures assume the following operating conditions:
   Equivalent piping length: 7.5m
   Level difference: 0
2. If the system is running in cooling mode, when the ambient temperature is lower than -5°C or higher than 48°C, the unit will stop for protection control.

9. Sound levels



Notes:

• Data is valid at free field condition

• Data is valid at nominal operating condition

• Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed

• Sound level can be increased in static pressure mode or used air guide.

Sound pressure level

Model	Sound pressure level dB(A)
8HP	58
10HP	59
12HP	60
14HP	62
16HP	62
18HP	63

10. Accessories

10.1 Standard accessories

Name	Shape	Quantity	Function
Outdoor unit installation manual		1	/
outdoor unit operation manual		1	/
Indoor unit operation manual		2	/
Outdoor main control board instruction		1	/
Screw bag	-	1	For maintenance
Slot type screwdriver	-	1	/
90° mouthing elbow		1	For connecting pipes
Seal plug		8	Be used in cleaning pipe
Connection pipe		3	For connecting pipes
Matched resistance		2	Enhance stability of communication
Wrench		1	Dismantle screws of side plate

10.2 Optional accessories

Branch joint of outdoor & indoor unit

Optional accessories	Model name	Packing Size mm	Net/gross Weight (kg)	Function
Branch joint of outdoor side	FQZHW-02N1D	255×150×185	1.5/1.2	Distribute the refrigerant to indoor units and balance the resistance between each outdoor unit.
	FQZHW-03N1D	345×160×285	3.4/2.4	
	FQZHW-04N1D	475×165×300	4.8/3.6	
Branch joint of indoor side	FQZHN-01D	290×105×100	0.4/0.3	
	FQZHN-02D	290×105×100	0.6/0.4	
	FQZHN-03D	310×130×125	0.9/0.6	
	FQZHN-04D	350×170×180	1.5/1.1	
	FQZHN-05D	365×195×215	1.9/1.4	

10.3 Other optional accessories

Optional accessories	Model name	Function
Outdoor controller	MD-CCM02/E	Monitor the outdoor operating parameter
Three phase electricity power protector	DPA51CM44 or HWUA/DPB71CM48	To stop the air-conditioner running in case of bad power supply such as Phase Error, Over-voltage, Under-voltage lose, phase lost and phase sequence inverse. Thus to protect the equipment.
Digital ammeter (WHM)	DTS634/DT636	Electricity Charge monitor

11. Functional parts and safety devices

Item	Symbol	Name		8HP	10HP	12HP
Compressor	Inverter	Inverter compressor		E655DHD-65D2YG	E655DHD-65D2YG	E705DHD-72D2YG
	Compressor Safety OLP	Open temperature		120℃		
	CCH	Crank case heater		DJRD-520A-1500-27.6W×2-VHR		
Motor and Security Devices	Motor	Fan motor	Model	WZDK750-38G-4	WZDK750-38G-4	WZDK750-38G-4
			Output power	465W	465W	465W
		Safety thermostat	On	115℃		
			Off	/		
	HP	High pressure switch		OFF：44（±1）kg/cm^2/ON：32（±1）kg/cm^2		
	LP	Low pressure switch		OFF：0.3（±1）kg/cm^2/ON：1.0（±1）kg/cm^2		
Temperature sensor	T3,T4	Temperature sensor (condenser outlet/ambient temperature)		25℃=10KΩ		
	Discharge thermostat	Thermostat (Inverter)		BW130℃ ON:130℃ OFF:85℃		
Pressure sensor	HPSH	High pressure sensor (discharge)		Model: YLCGQ-45CP2-7K6J10, Character: Vout=1.1603*P+0.5(MPa)		
Functional Parts	PMV	Electronic expansion valve		D32MISZ-1R Shanghai Yinzhou		
	4-W/V	4-way valve		STF-01DN1 Foshan Hualu		
	SV	Solenoid valve		FDF2A-217-PK(2sets) , FDF6A-049-PK(2sets) Zhejiang Zhongbao		

Item	Symbol	Name		14HP	16HP	18HP
Compressor	Inverter	Inverter compressor		E405DHD-42D2YG (2sets)	E405DHD-42D2YG (2sets)	E405DHD-36D2YG E705DHD-72D2YG
	Compressor Safety OLP	Open temperature		120℃		
	CCH	Crank case heater		27.6W×2×2		
Motor and Security Devices	Motor	Fan motor	Model	WZDK750-38G-4 (2sets)	WZDK750-38G-4 (2sets)	WZDK750-38G-4 (2sets)
			Output power	290W+230W	290W+230W	420W+350W
		Safety thermostat	On	115℃		
			Off	/		
	HP	High pressure switch		OFF：44（±1）kg/cm^2/ON：32（±1）kg/cm^2		
	LP	Low pressure switch		OFF：0.3（±1）kg/cm^2/ON：1.0（±1）kg/cm^2		
Temperature sensor	T3,T4	Temperature sensor (condenser outlet/ambient temperature)		25℃=10KΩ		
	Discharge thermostat	Thermostat (Inverter)		BW130℃ ON:130℃ OFF:85℃		
Pressure sensor	HPSH	High pressure sensor (discharge)		Model: YLCGQ-45CP2-7K6J10, Character: Vout=1.1603*P+0.5(MPa)		
Functional Parts	PMV	Electronic expansion valve		D32MISZ-1R (2 sets) Shanghai Yinzhou		
	4-W/V	4-way valve		STF-01DN1 Foshan Hualu		
	SV	Solenoid valve		FDF2A-217-PK(2sets) , FDF6A-049-PK(2sets) Zhejiang Zhongbao		

Part 4 Installation

1. Unit installation

1.1 Installation of indoor unit

1.1.1 Installation procedure

Determine the installation position →determine location → Install suspension rod → Install the indoor unit

1.1.2 Cautions for installation and check

1) Drawing check: Confirm the specifications, model and installation direction of the unit.

2) Height: Ensure that the unit is set securely at ceiling height.

3) Suspension strength: The suspension rod shall be strong enough to bear twice the weight of the indoor unit to ensure that no abnormal vibration or noise is generated when the unit is running.

4) When installing the indoor unit, ensure that sufficient space is available for installing the condensation piping.

5) Unit leveling: Horizontally it shall be kept within ±1°.

Purpose: Ensure smooth drainage of condensation. Also ensure stability of the machine body to reduce vibration and noise.

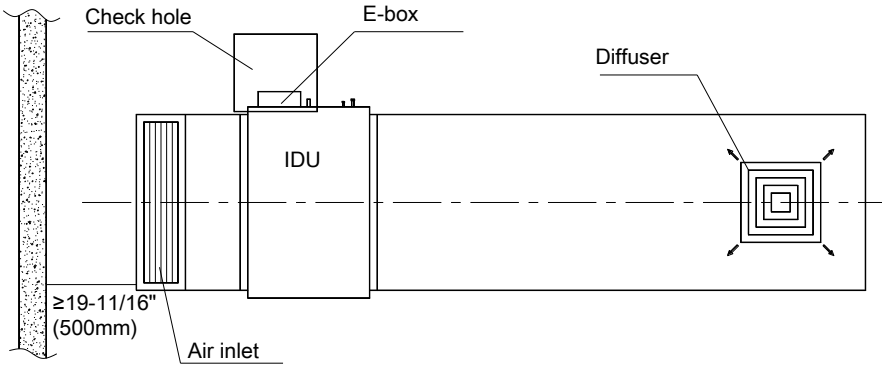
Hidden trouble of incorrect operation: a. Water leakage; b. Abnormal vibration and noise

6) Ensure sufficient maintenance & upkeep space is available (keep a large enough maintenance access, typically 400x400mm).

7) Avoid short-circuit ventilation.

Purpose: To ensure sufficient heat exchange of indoor unit and a good air conditioning effect.

Risks of incorrect operation: Poor air conditioning effect; abnormal protection of the unit.



1.2 Installation of outdoor unit

1.2.1 Acceptance and unpacking

1. After the machine arrives, check for damage during shipment. If the surface or inside of the machine is damaged, submit a written report to the shipping company.

2. Check whether the model, specification and quantity of the equipment conform to the contract.

3. After removing the outer packaging, please keep the operation instructions well and count the accessories.

1.2.2 Hoisting outdoor unit

Do not remove any packaging before hoisting. Use two ropes to hoist the machine, keep the machine balanced, and then raise it safely and steadily. If unit is not packaged or if the packaging is damaged, use plates or packing material to protect it.

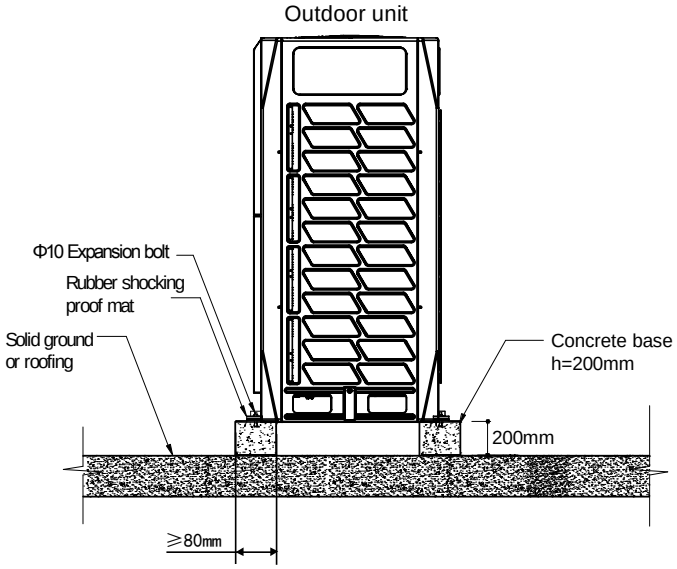
When conveying and hoisting the outdoor unit, keep it upright, ensure that the angle does not exceed 30°, and take all necessary safety precautions.

1.3 Select installation position

- Ensure that the outdoor unit is installed in a dry, well-ventilated place.
- Ensure that the noise and exhaust ventilation of the outdoor unit do not affect the neighbors of the property owner or any surrounding ventilation.
- Ensure that the outdoor unit is installed in a well-ventilated place that is as close as possible to the indoor unit.
- Ensure that the outdoor unit is installed in a cool place without direct sunlight exposure or direct radiation of a high-temp heat source.
- Do not install the outdoor unit in a dirty or severely polluted place, so as to avoid blockage of the heat exchanger in the outdoor unit.
- Do not install the outdoor unit in a place with oil pollution or full of harmful gas such as sulfuric gas.
- Do not install the outdoor unit in a place surrounded by salty air. (Except for the models with corrosion-resistant features)

1.4 Foundation for installation

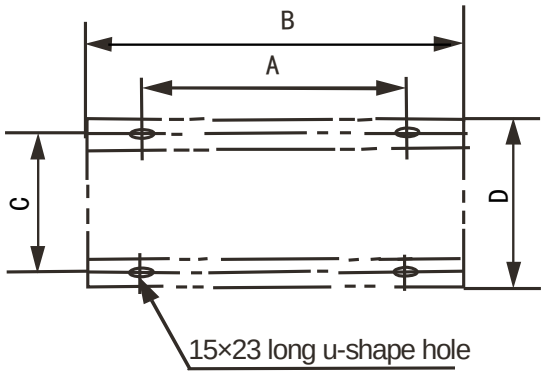
- A solid base can: Prevent the outdoor unit from sinking and avoid abnormal noise generated due to a lack of base stability.
- Base types: Steel structure base or concrete base (See the figure below for the general making method)



Note: The key points for base:

- The master unit's base must be made on solid concrete ground. Refer to the structure diagram to make concrete base, or make after field measurements.
- In order to ensure contact points are equally secure, the base should be completely level.
- If the base is placed on a roof, the detritus layer isn't needed, but the concrete surface must be flat. The standard concrete mixture ratio is cement 1/ sand 2/ carpolite 4, and adds 10mm strengthen reinforcing steel bar, the surface of the cement and sand plasm must be flat, border of the basement must be chamfer angle.
- Before construct the unit base, please ensure the base is directly supporting the rear and front folding edges of the bottom panel vertically, for the reason of these edges are the actual supported sites to the unit.
- In order to drain off the seeper around the equipment, a discharge ditch must be setup around the basement.
- Please check the affordability of the roofing to ensure the load capacity.
- When piping from the bottom of the unit, the base height should be no less than 200mm.

- Illustration of screw bolt position



Size (mm)	8, 10, 12HP	14, 16, 18HP
A	740	1090
B	990	1340
C	723	723
D	790	790

1.5 Master and slave unit setting

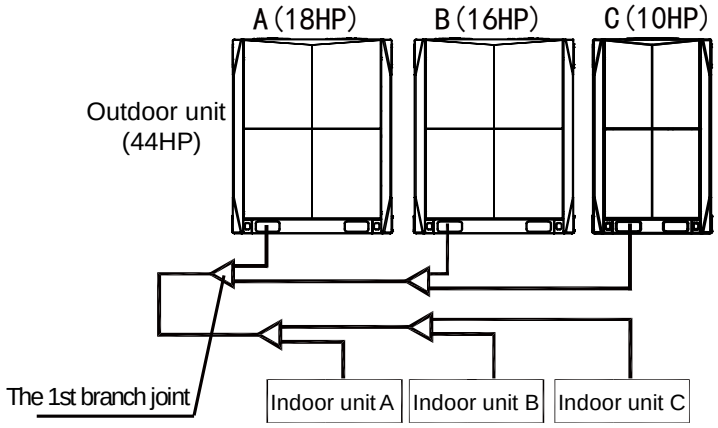
When the quantity of outdoor unit is more than two in one system, the outdoor unit should be set in order from largest capacity unit to smallest capacity unit. The largest capacity unit must be placed on the first branch site, and be set as master unit, while the others are set as slave units.

Take 44HP (composed by 10HP, 16HP and 18HP) as an example:

1) Place the 18HP on the first branch site.

2) Order the units from the largest capacity to smallest (See the detail placement illustration)

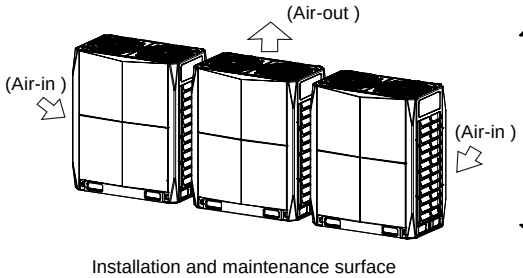
3) Set 18HP as the master unit, the 16HP and the 10HP as slave units.

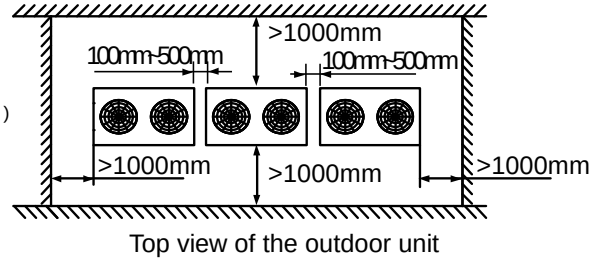


1.6 Installation space

- Ensure enough space for maintenance. Modules combined in the same system must be on the same height.

Unit: mm

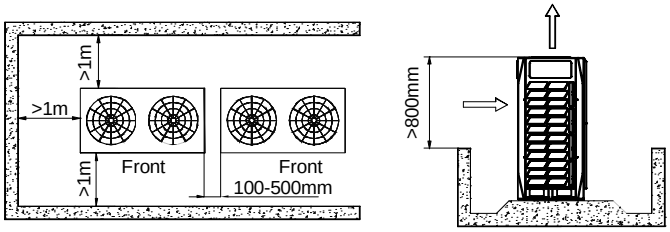




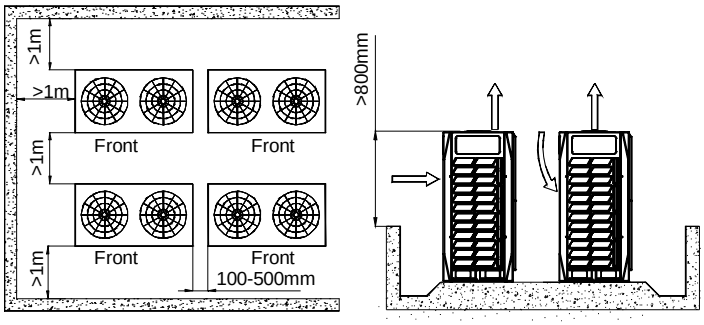
- When the outdoor unit is higher than surrounding obstacles

Unit: mm

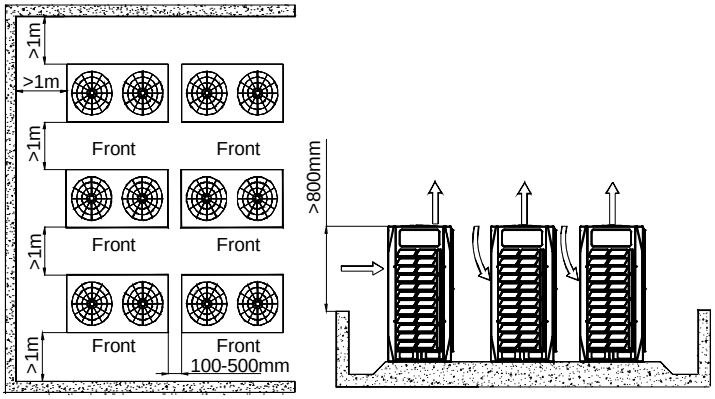
One row



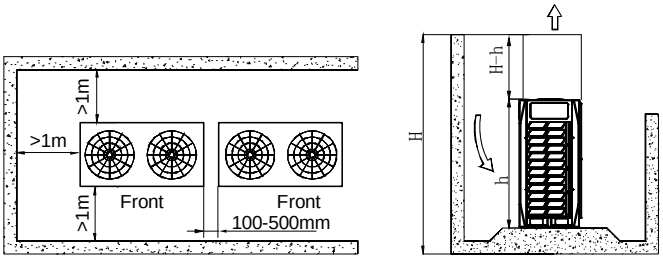
Two rows



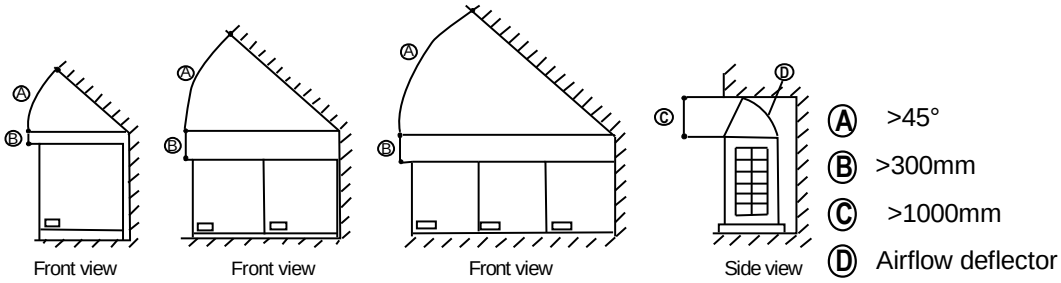
More than two rows



- When the outdoor unit is lower than surrounding obstacles, to avoid cross connection of the outdoor hot air affecting the heat exchange capabilities, please add an air director onto the exhaust hood of the outdoor unit to facilitate heat dissipation. See the figure below. The height of the air director is HD (namely H-h). Please make the air director on site.

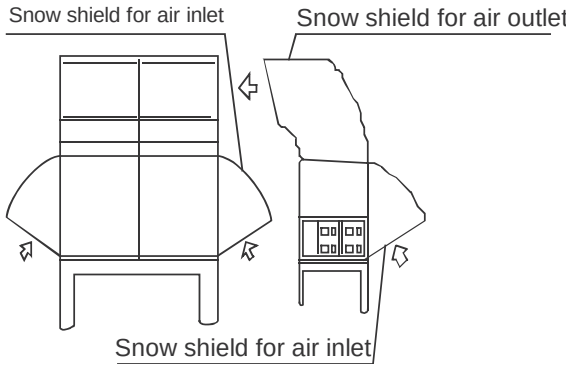


- If miscellaneous articles are piled around the outdoor unit, such articles must be 800mm below the top of the outdoor unit. The articles must be 800mm below the top of the outdoor unit. Otherwise, a mechanical exhaust device must be added.



- Snow-proofing

In snowy areas, accessories should be installed to prevent snow from entering the unit. (See the figure below) (Defective facilities may cause malfunction.) Please lift the bracket higher and install snow shield on the air inlet and air outlet.



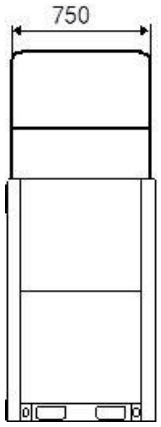
2. Air ventilation assembly installation

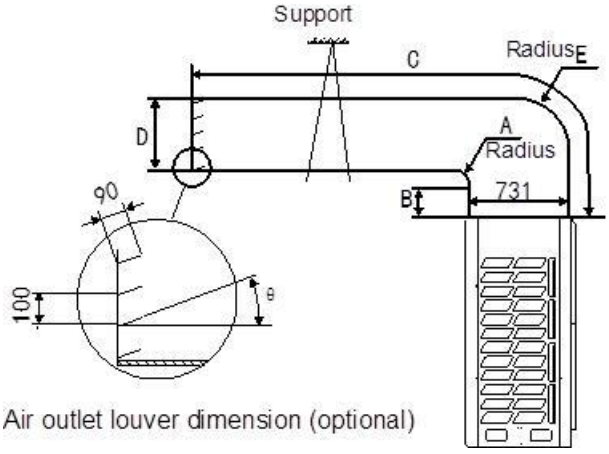
Ventilation assembly is provided on site by an installation professional. When installing, please take off the mesh cover first, and then install the unit using the following method.

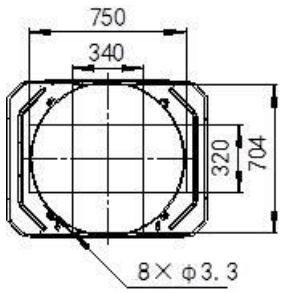
2.1 Installation of 8, 10, 12HP

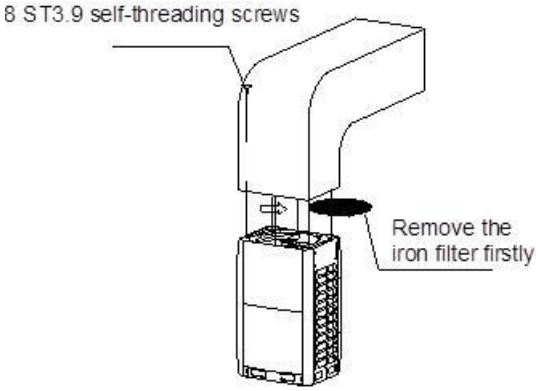
Example A

Unit: mm







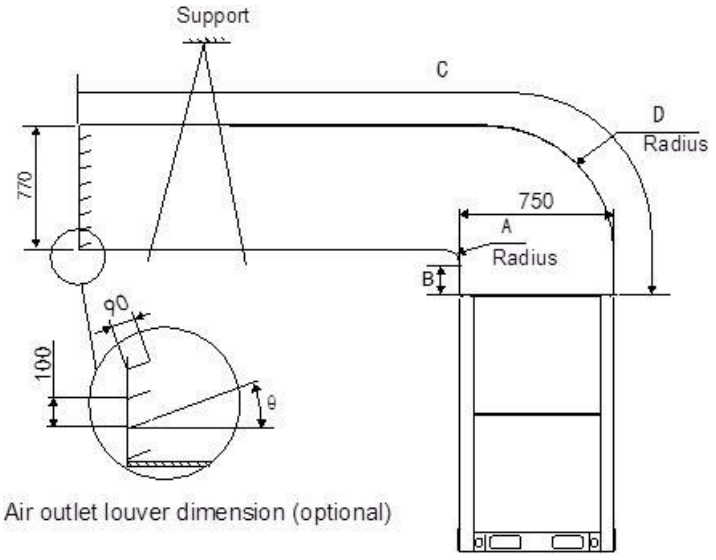


A	A≥300
B	B≥250
C	C≤3000
D	731≤D≤770
E	E=A+731
θ	θ≤15°

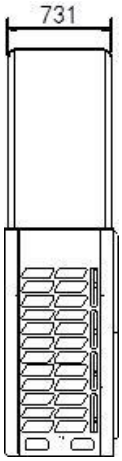
ESP	Remarks
0Pa	Factory default
0~20Pa	Remove the mesh cover and connect to the duct which is less than 3 meters.
≥20Pa	Customizable

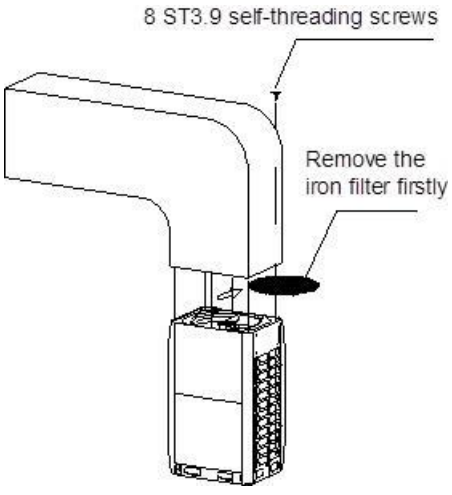
Example B

Unit: mm



Air outlet louver dimension (optional)





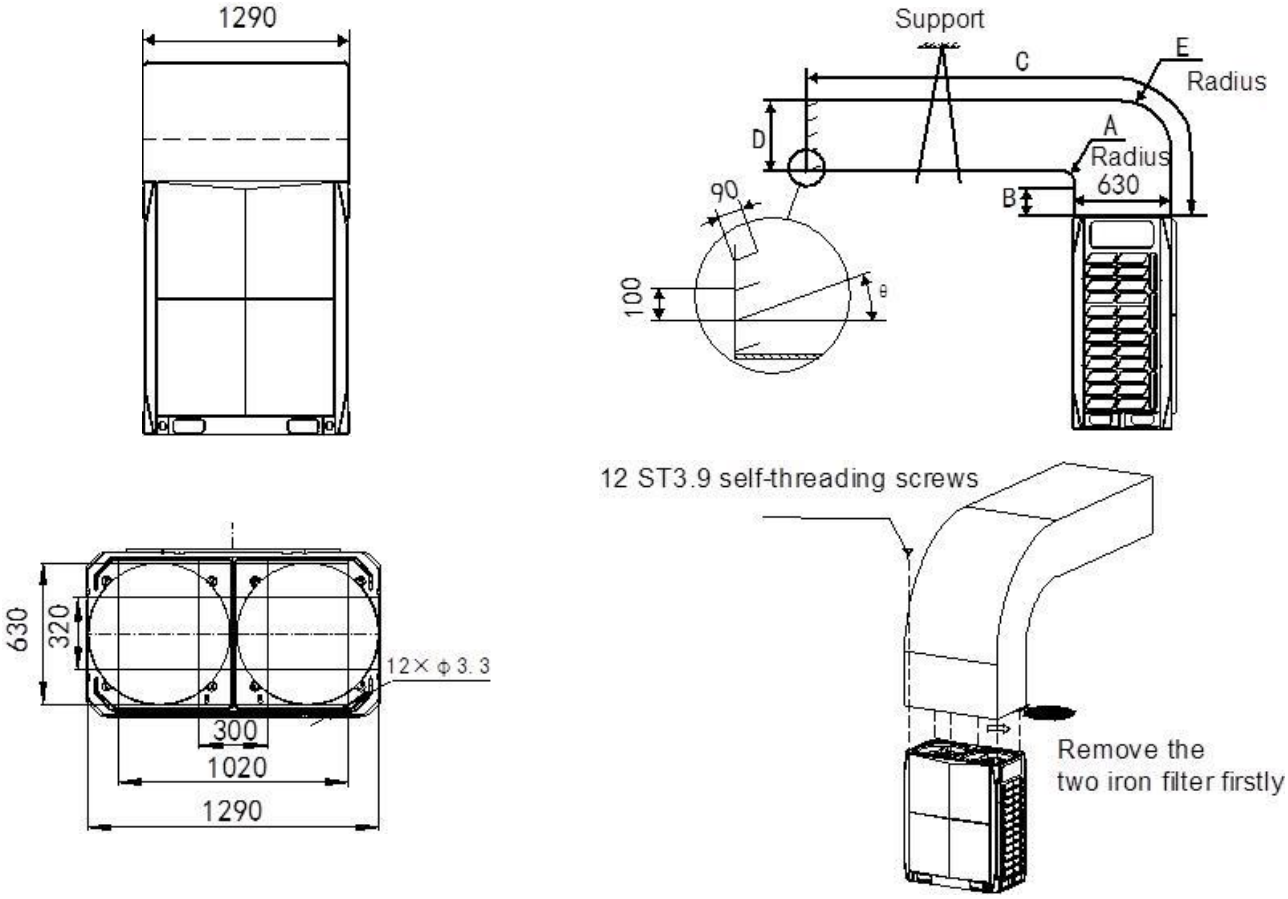
A	A≥300
B	B≥250
C	C≤3000
D	D=A+750
θ	θ≤15°

ESP	Remarks
0Pa	Factory default
0~20Pa	Remove the mesh cover and connect to the duct which is less than 3 meters.
≥20Pa	Customizable

2.2 Installation of 14, 16, 18, 20, 22HP

Example A

Unit: mm

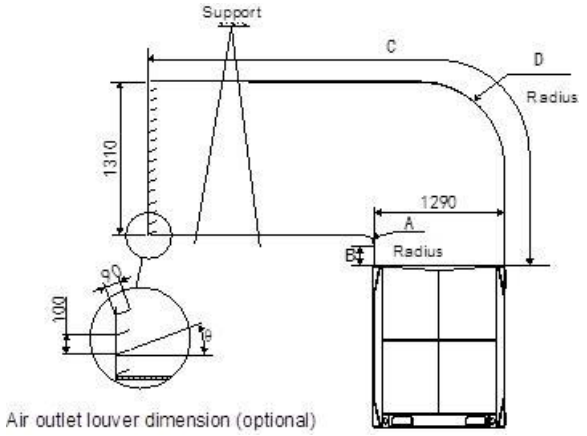


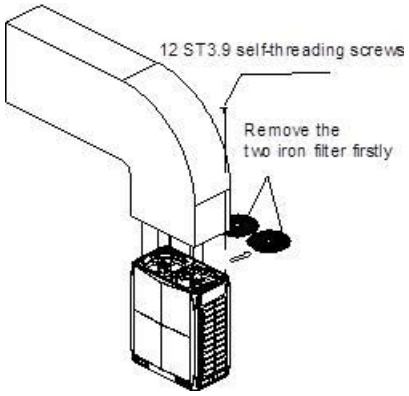
A	A≥300
B	B≥250
C	C≤3000
D	630≤D≤660
E	E=A+630
θ	θ≤15°

ESP	Remarks
0Pa	Factory default
0~20Pa	Remove the mesh cover and connect to the duct which is less than 3 meters.
≥20Pa	Customizable

Example B

Unit: mm





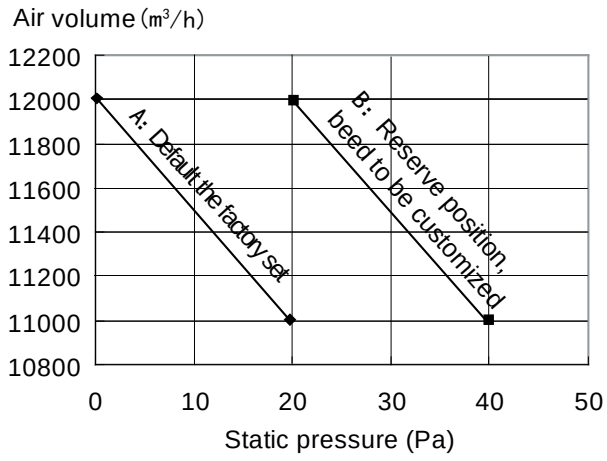
A	A≥300
B	B≥250
C	C≤3000
D	D=A+1290
θ	θ≤15°

ESP	Remarks
0Pa	Factory default
0~20Pa	Remove the mesh cover and connect to the duct which is less than 3 meters.
≥20Pa	Customizable

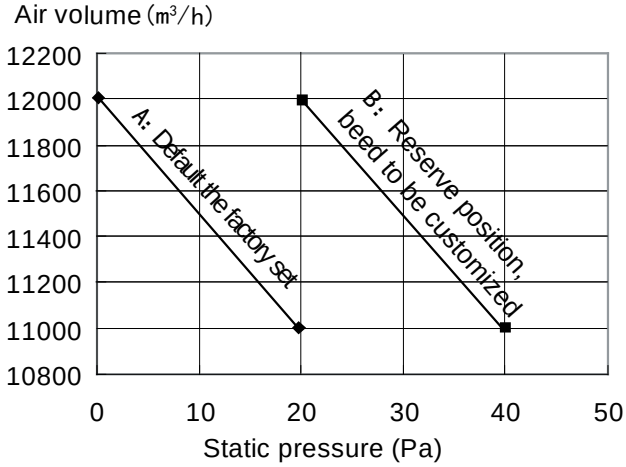
Outdoor fan performance

The default static pressure of outdoor unit is 0 Pa, and 20Pa can be achieved when the steel mesh is removed.

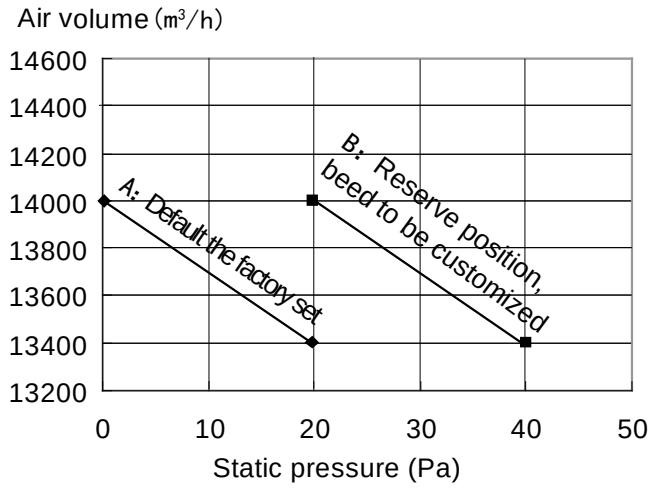
8/10HP



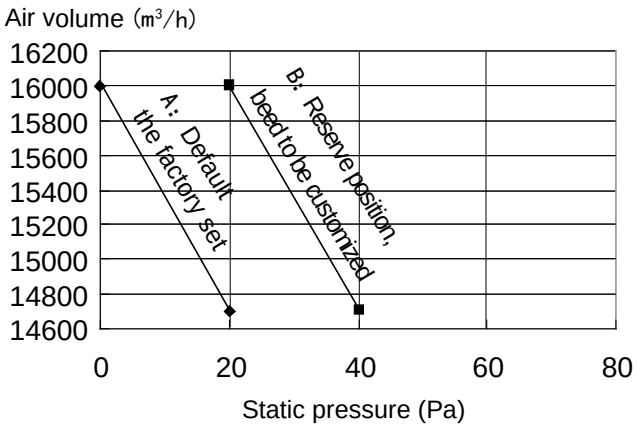
12HP



14/16HP



18HP



Note:

Before installing the ventilation assembly, please remove the steel mesh, otherwise, the air supply volume will be affected.

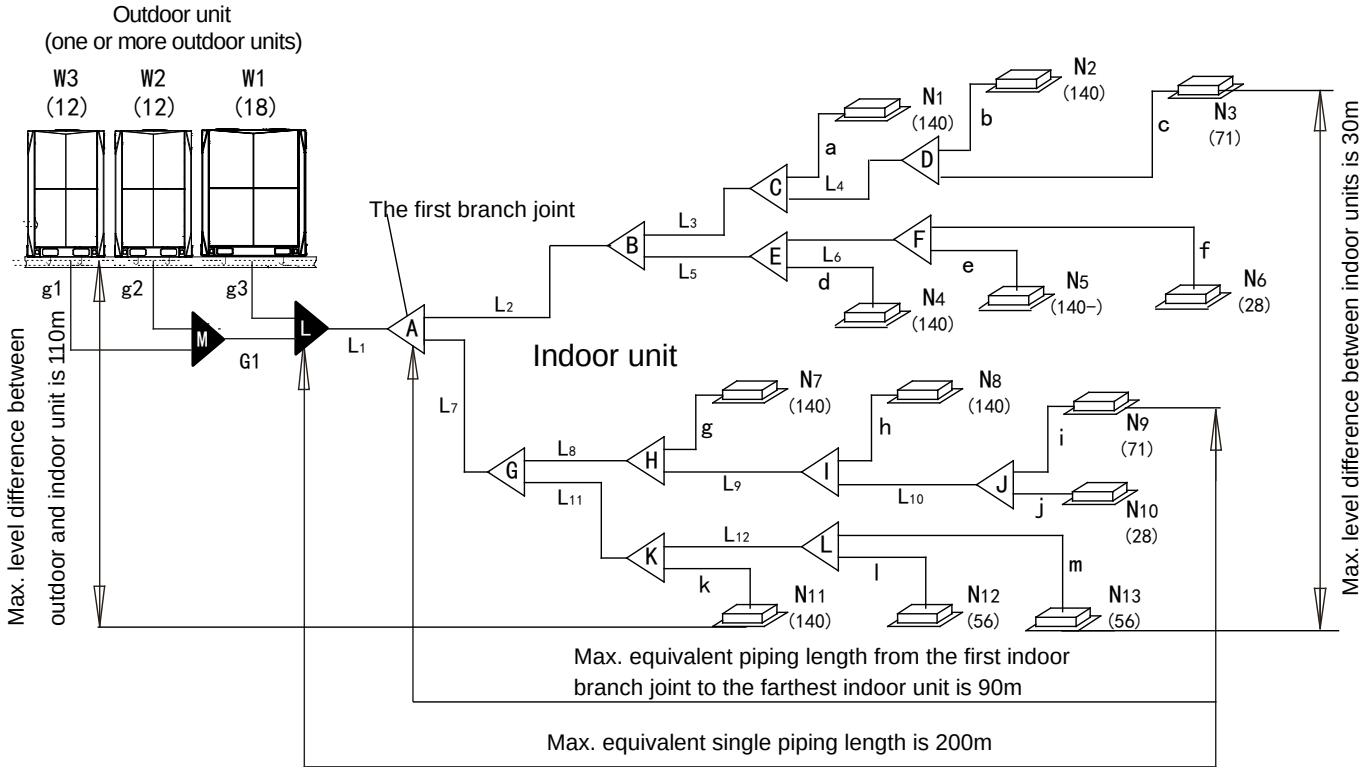
1. Adding shutters decreases air supply, as well as cooling/heating capacity and energy efficiency. This effect is increased as shutter angle increases. Installing additional shutters is not recommended. If additional shutters are necessary, shutter angle should not be greater than 15 degrees.

2. The bending place at ventilated duct should be not more than 1(show in above figure), in order to avoid operation malfunction..

3. Install the flexible connector between the unit and the air deflector pipe to avoid vibration noise.

3. Refrigerant piping selection

3.1 Refrigerant piping length permitted value



Piping length			Permitted value	Piping
Piping length	Total piping length		≤1000m (refer to note 1)	L1+(L2+L3+L4+L5+L6+L7+L8+L9+L10+L11+L12)×2 +a+b+c+d+e+f+g+h+i+j+k+l+m
	Single piping length	Actual length	≤175m	L1+L7+L8+L9 +L10+i
		Equivalent length	≤200m (refer to note 2)	
	Piping length from the first branch joint to the farthest indoor unit		≤40/90m (refer to note 3)	L7+L8+L9 +L10+i
Level difference	Level difference between indoor unit and outdoor unit	Outdoor unit is up	≤90m (refer to note 4)	/
		Outdoor unit is down	≤110m (refer to note 5)	/
	Level difference between indoor units		≤30m	/

Note:

The indoor units should be installed as possible as equal in the both sides of the U-shape branch joint.

1. When counting the total piping length, the actual pipe length branch joints should be double:

Total piping length= L1+(L2+L3+L4+L5+L6+L7+L8+L9)×2+a+b+c+d+e+f+g+h+i+j≤1000m

2. The equivalent length of each branch joint is 0.5m.

3. The allowable piping length from the first branch joint to the farthest indoor unit should be equal to or less than 40m, but when the following conditions are all met, the allowable length can be extended to 90m.

- The piping length from each indoor unit to the nearest branch joint should be less than 40m. (a, b, c, d, e, f, g, h, i, j≤40m)
- The length difference between (the outdoor unit to the farthest indoor unit) and (the outdoor unit to the nearest indoor unit) ≤40m.

  The farthest indoor unit: N10

  The nearest indoor unit: N1

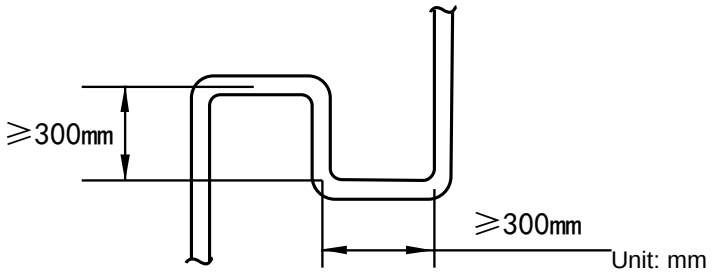
  (L1+L5+L8+L9+j)-(L1+L2+L3+a) ≤40m
- Increase the pipe diameter between the first branch joint and the last branch joint. (Please change the pipe diameter at field) If the pipe diameter of the main slave pipe is the same as the main pipe, then it is no need for increase.

When: 40m＜L5+L8+L9+j≤90m, L2, L3, L4, L5, L6, L7, L8, L9 need to be increased.

If pipe diameter needs to be increased please use the following chart: unit mm

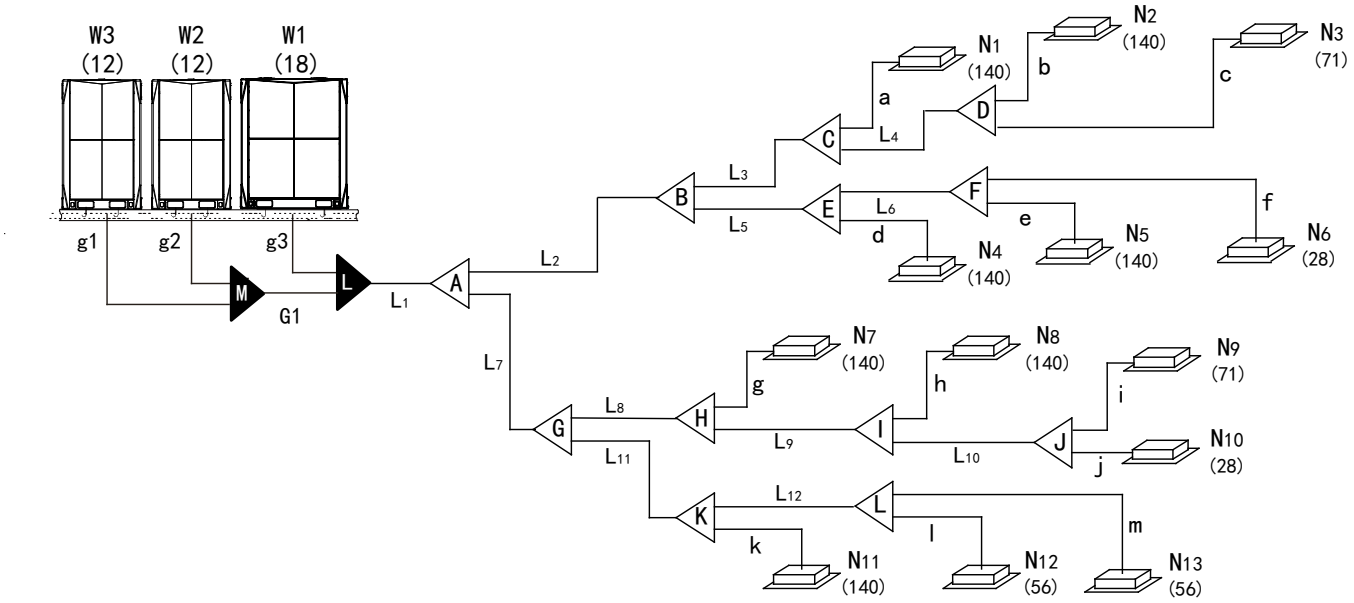
Φ9.53→Φ12.7	Φ12.7→Φ15.9	Φ15.9→Φ19.1	Φ19.1→Φ22.2	Φ22.2→Φ25.4	Φ25.4→Φ28.6
Φ28.6→Φ31.8	Φ31.8→Φ38.1	Φ38.1→Φ41.3	Φ41.3→Φ44.5	Φ44.5→Φ54.0	

4. When the outdoor unit is higher than indoor units and the level difference is over 20m, it is recommended to set an oil return bend every 10m in the gas pipe of the main pipe, for specifications of the oil return bend refer to the figure below.



5. When the outdoor unit is lower than indoor units and the level difference is more than 40m, the liquid pipe of the main pipe needs to be increased..

3.2 Refrigerant piping selection



- Pipe name

Main pipe	L1
Indoor unit main pipe	L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L12
Indoor unit auxiliary pipe (from indoor unit to the nearest branch joint)	a, b, c, d, e, f, g, h, i, j, k, l, m
Indoor unit branch joint assembly	A, B, C, D, E, F, G, H, I, J, K, L
Outdoor unit branch joint assembly	L, M
Outdoor connection pipe	g1, g2, g3, G1

➢ Table 1: Indoor unit main pipe selection (L1~L12) Unit: mm

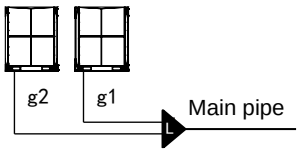
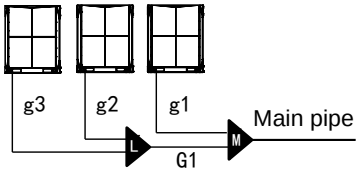
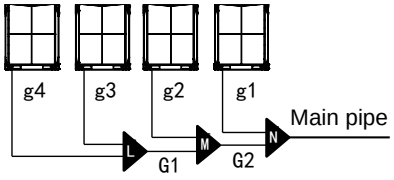
Capacity of indoor unit A×100W	Indoor unit main pipe (mm)		
	Gas pipe	Liquid pipe	Available branching pipe assembly
A<166	Φ15.9	Φ9.53	FQZHN-01D
166≤A<230	Φ19.1	Φ9.53	FQZHN-01D
230≤A<330	Φ22.2	Φ9.53	FQZHN-02D
330≤A<460	Φ28.6	Φ12.7	FQZHN-03D
460≤A<660	Φ28.6	Φ15.9	FQZHN-03D
660≤A<920	Φ31.8	Φ19.1	FQZHN-03D
920≤A<1350	Φ38.1	Φ19.1	FQZHN-04D
1350≤A<1800	Φ41.3	Φ22.2	FQZHN-05D
1800≤A	Φ44.5	Φ25.4	FQZHN-05D

➢ Table 2: Main pipe selection (L1) Unit: mm

Model	Main pipe (mm)					
	When the equivalent length of all liquid pipes<90m			When the equivalent length of all liquid pipes≥90m		
	Gas pipe	Liquid pipe	The 1st branch pipe	Gas pipe	Liquid pipe	The 1st branch pipe
8HP	Φ22.2	Φ9.53	FQZHN-02D	Φ22.2	Φ12.7	FQZHN-02D
10HP	Φ22.2	Φ9.53	FQZHN-02D	Φ25.4	Φ12.7	FQZHN-02D
12-14HP	Φ25.4	Φ12.7	FQZHN-02D	Φ28.6	Φ15.9	FQZHN-03D
16HP	Φ28.6	Φ12.7	FQZHN-03D	Φ31.8	Φ15.9	FQZHN-03D
18-22HP	Φ28.6	Φ15.9	FQZHN-03D	Φ31.8	Φ19.1	FQZHN-03D
24HP	Φ28.6	Φ15.9	FQZHN-03D	Φ31.8	Φ19.1	FQZHN-03D
26-34HP	Φ31.8	Φ19.1	FQZHN-03D	Φ38.1	Φ22.2	FQZHN-04D
36-50HP	Φ38.1	Φ19.1	FQZHN-04D	Φ38.1	Φ22.2	FQZHN-04D
52-66HP	Φ41.3	Φ22.2	FQZHN-05D	Φ44.5	Φ25.4	FQZHN-05D
68-72HP	Φ44.5	Φ25.4	FQZHN-05D	Φ54.0	Φ25.4	FQZHN-06D

Note: the main pipe L1 can be selected form table1 or table2, the larger size should be finally selected.

- Outdoor unit branch pipe assembly

Quantity of outdoor units	2 units	3 units	4 units
Outdoor combination			

➢ Table 3: Outdoor unit connection pipe selection (g1, g2, g3, g4, G1, G2) Unit: mm

Pipe		Gas pipe	Liquid pipe
g1,g2,g3,g4	8~12HP	Φ25.4	Φ12.7
	14~18HP	Φ31.8	Φ15.9
G1		Φ38.1	Φ19.1
G2		Φ41.3	Φ22.2

➢ Table 4: Outdoor unit branching pipe assembly selection (L, M, N)

Outdoor unit quantity	Parallel connection with branch pipes
2 units	L: FQZHW-02N1D
3 units	L+M: FQZHW-03N1D
4 units	L+M+N: FQZHW-04N1D

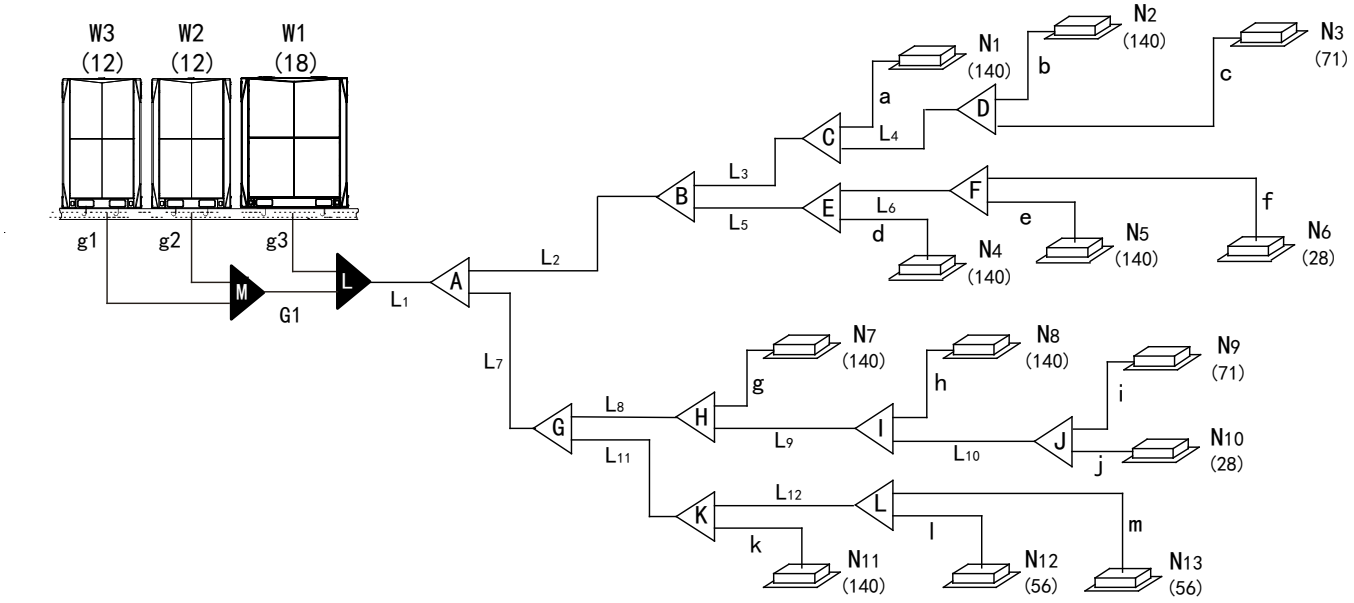
➢ Table 5: Indoor unit to the nearest branch joint (a~m) Unit: mm

Capacity of indoor unit A×100W	The pipe length from indoor unit to the nearest branch joint ≤10m		The pipe length from indoor unit to the nearest branch joint ＞10m	
	Gas pipe	Liquid pipe	Gas pipe	Liquid pipe
A≤45	Φ12.7	Φ6.35	Φ15.9	Φ9.53
A≥56	Φ15.9	Φ9.53	Φ19.1	Φ12.7

3.3 Example

Example below:

(Provided that the capacity of outdoor units is (12+12+18) HP, the equivalent length of all pipes in this system is larger than 90m, the pipe length from the 1st branch joint to the farthest indoor unit is less than 40m, and the pipe from indoor unit to the nearest branch joint is less than 10m.



1. Select indoor unit pipes from indoor unit to the nearest branch joint: a, b, c, d, e, f, g, h, i, j, k, l, m.

- Refer to table 5, the pipes of a, b, c, d, e, g, h, i, k, l, m are Φ15.9/ Φ9.53; the pipes of f and j are Φ12.7/ Φ6.35.

2. Select the main pipe L1, indoor unit main pipes L2~L12 and branch joints A~L:

- The downstream indoor units of L4 are N2 and N3, with total capacity of 140+71=211. Refer to table 1, the indoor unit main pipe L4 is Φ19.1/Φ9.53. The branch pipe assembly D is FQZHN-01D.
- The downstream indoor unit of L3 is N1, N2 and N3, with total capacity of 140×2+71=351. Refer to table 1, the indoor unit main pipe L3 is Φ28.6/Φ12.7. The branch pipe assembly C is FQZHN-03D.
- The downstream indoor unit of L6 is N5 and N6, with total capacity of 140+28=168. Refer to table 1, the indoor unit main pipe L6 is Φ19.1/Φ9.53. The branch pipe assembly F is FQZHN-01D.
- The downstream indoor units of L5 are N4, N5 and N6, with total capacity of 140×2+28=308. Refer to table 1, the indoor unit main pipe L5 is Φ22.2/Φ9.53. The branch pipe assembly E is FQZHN-02D.
- The downstream indoor units of L2 are N1, N2, N3, N4, N5 and N6, with total capacity of 140×4+71+28=659. Refer to table 1, the indoor unit main pipe L2 is Φ28.6/Φ15.9. The branch pipe assembly B is FQZHN-03D.
- The downstream indoor unit of L10 is N9 and N10, with total capacity of 71+28=99. Refer to table 1, the indoor unit main pipe L10 is Φ15.9/Φ9.53. The branch pipe assembly J is FQZHN-01D.
- The downstream indoor units of L9 are N8, N9 and N10, with total capacity of 140+71+28=239. Refer to table 1, the indoor unit main pipe L9 is Φ22.2/ Φ9.53. The branch pipe assembly I is FQZHN-02D.
- The downstream indoor units of L8 are N7, N8, N9 and N10, with total capacity of 140×2+71+28=379. Refer to table 1, the indoor unit main pipe L8 is Φ28.6/Φ12.7. The branch pipe assembly H is FQZHN-03D.
- The downstream indoor units of L12 are N12 and N13, with total capacity of 56×2=112. Refer to table 1, the indoor unit main pipe L12 is Φ15.9/Φ9.53. The branch pipe assembly L is FQZHN-01D.
- The downstream indoor units of L11 are N11, N12 and N13, with total capacity of 140+56×2＝252. Refer to table 1, the indoor unit main pipe L11 is Φ22.2/Φ9.53. The branch pipe assembly K is FQZHN-02D.
- The downstream indoor units of L7 are N7, N8, N9, N10, N11, N12 and N13, with total capacity of 140×3+71+56×2+28＝631. Refer to table 1, the indoor unit main pipe L7 is Φ28.6/Φ15.9. The branch pipe assembly G is FQZHN-03D.

3. Select main pipe L1 and branch joint A:

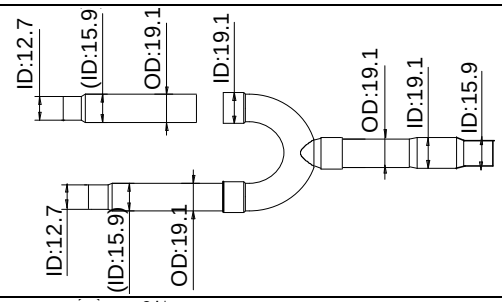
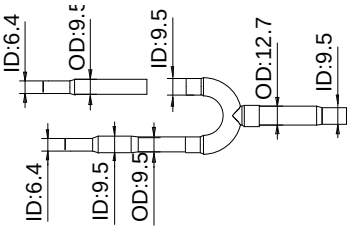
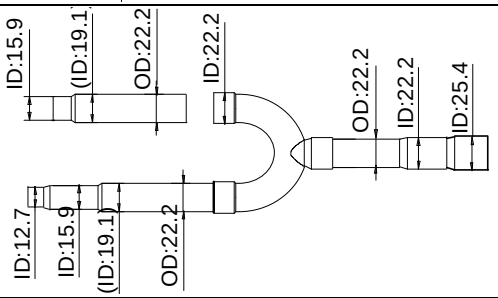
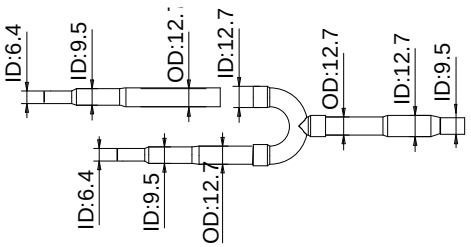
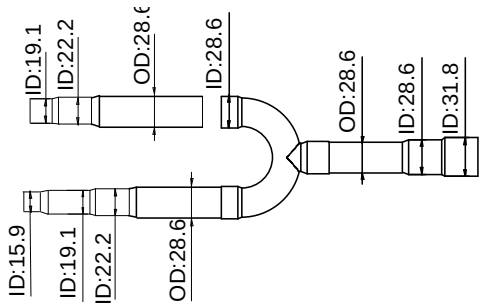
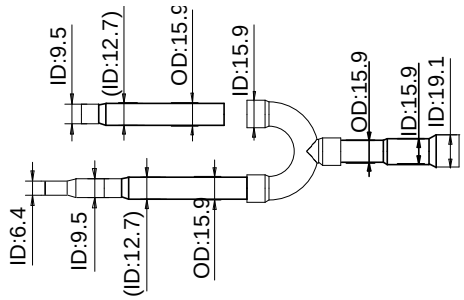
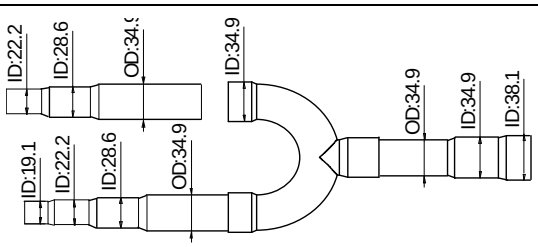
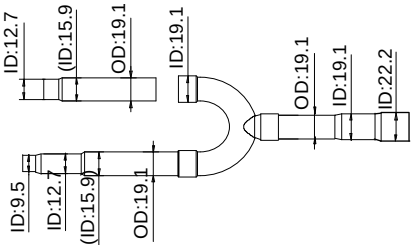
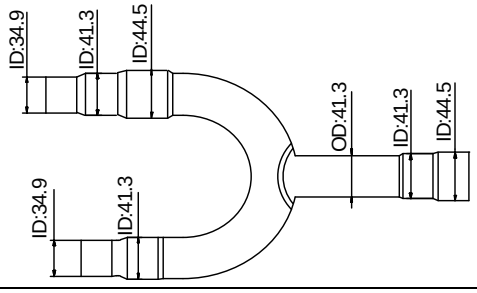
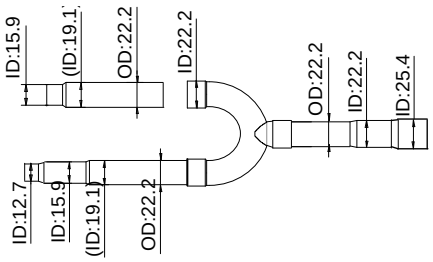
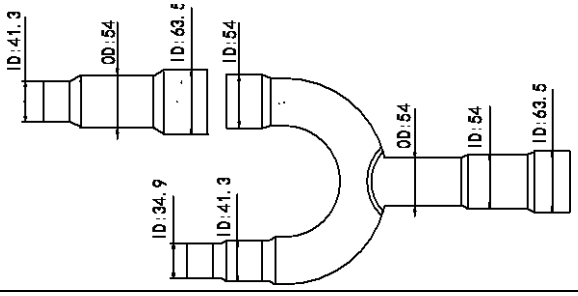
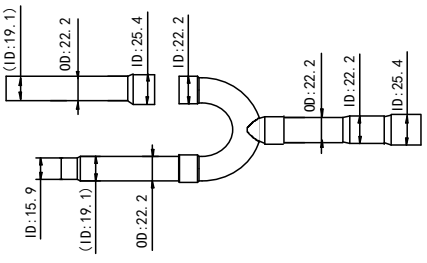
- For outdoor units with capacity of 42HP, the equivalent length of all pipes in this system is larger than 90m, refer to table 2, the main pipe L1 is Φ38.1/ Φ22.2, the branch pipe assembly A is FQZHN-04D.
- The downstream indoor units of L1 are N1~N13, with total capacity of 140×7+71×2+56×2+28×2＝1290. Refer to table 1, the indoor unit main pipe L1 is Φ38.1/Φ19.1. So we finally select the larger pipe Φ38.1/ Φ22.2 as main pipe L1.

4. Outdoor unit connection pipe (g1, g2, g3, G1,L+M) selection (refer to table3, table 4)

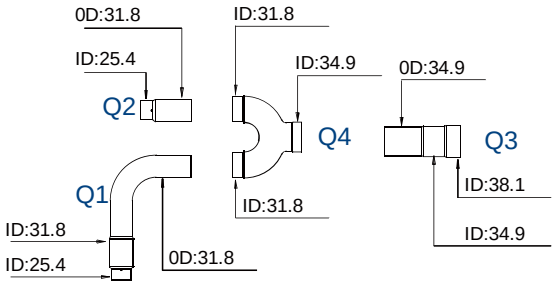
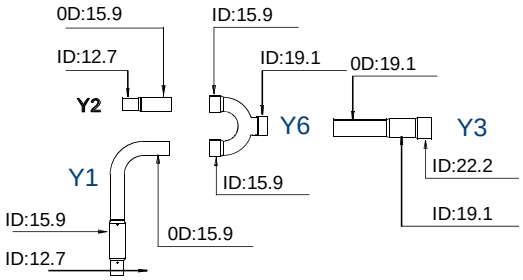
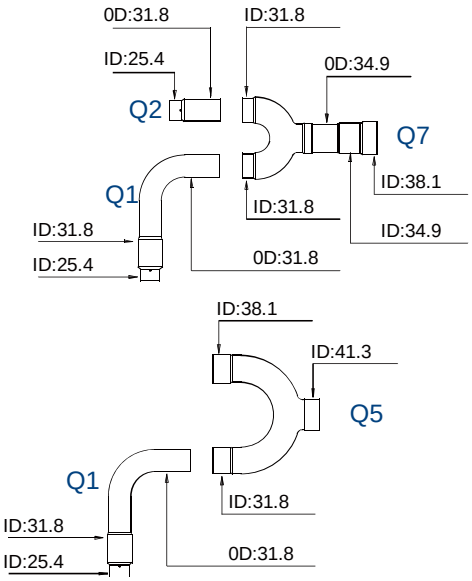
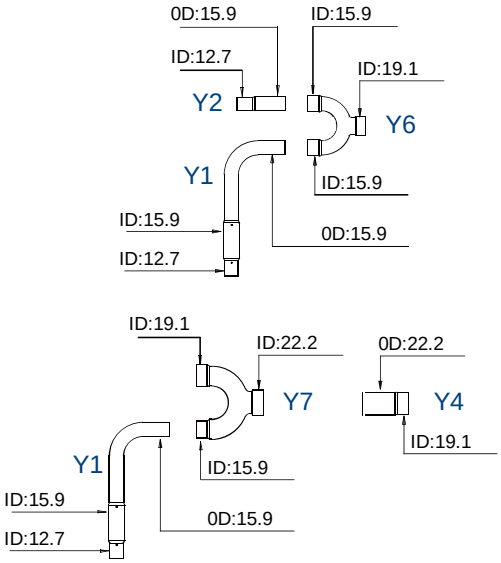
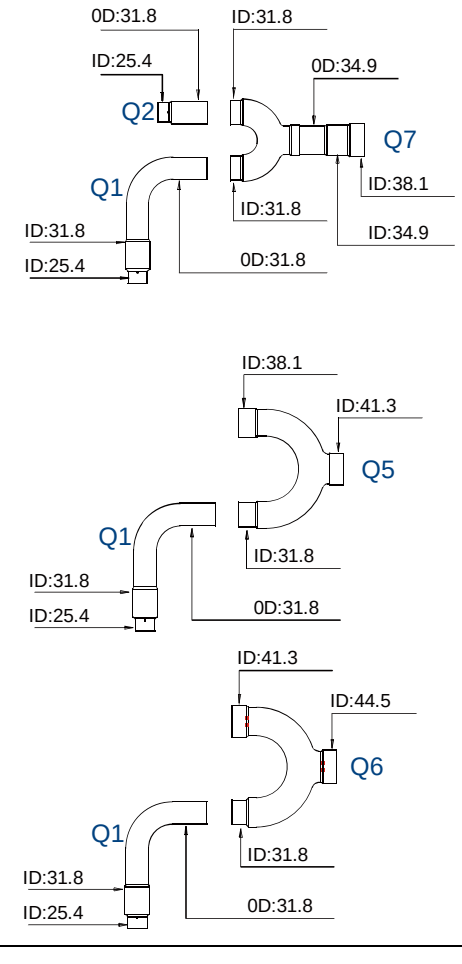
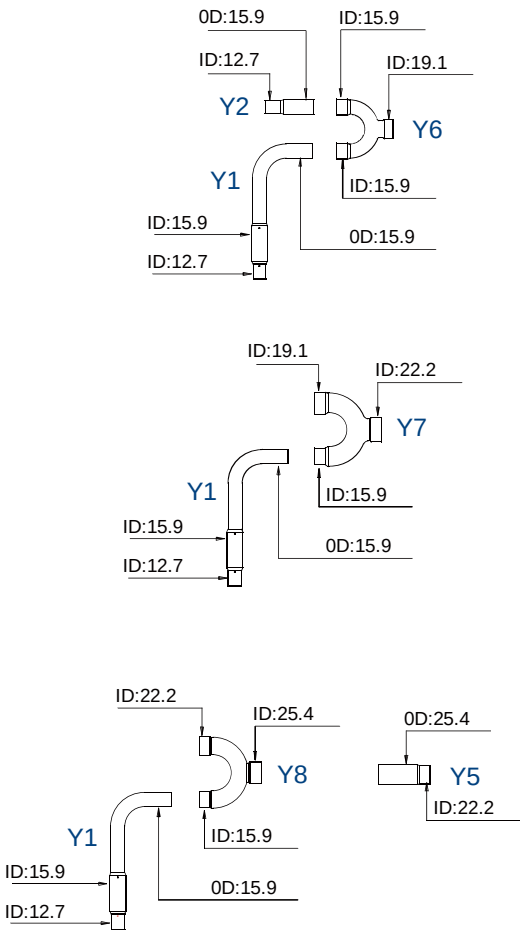
- The pipe g1 is connected to 12HP outdoor unit. Refer to table3, the diameter of g1 is Φ25.4 /Φ12.7.
- The pipe g2 is connected to 12HP outdoor unit. Refer to table3, the diameter of g2 is Φ25.4 /Φ12.7.
- The pipe g3 is connected to 18HP outdoor unit. Refer to table3, the diameter of g3 is Φ31.8/ Φ15.9.
- Refer to table3, the diameter of G1 is Φ38.1/ Φ19.1.
- The quantity of combined outdoor units is three. Refer to table4, the outdoor branch assembly is L+M: FQZHW-03N1D.

3.4 Branch joint dimension

3.4.1 Indoor branch joint dimension

Branch model	Gas side joints	Liquid side joints
FQZHN-01D		
FQZHN-02D		
FQZHN-03D		
FQZHN-04D		
FQZHN-05D		
FQZHN-06D		

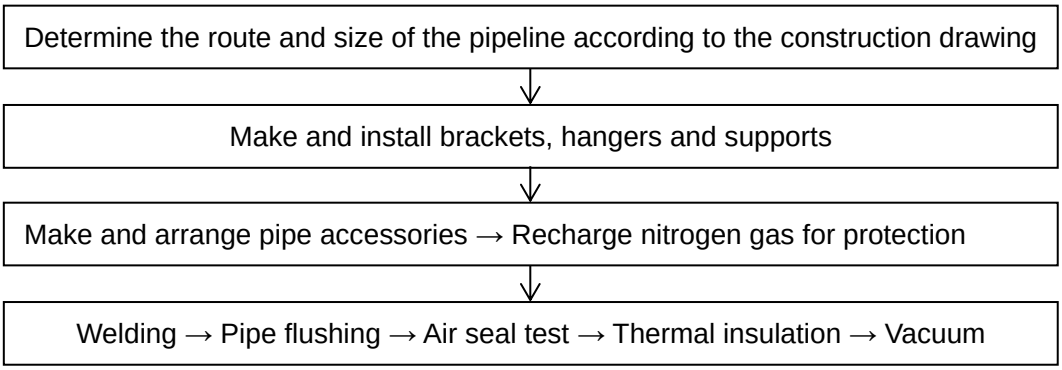
3.4.2 Outdoor branch joint dimension

Branch model	Gas side joints	Liquid side joints
FQZHW-02N1D		
FQZHW-03N1D		
FQZHW-04N1D		

4. Refrigerant pipe installation

4.1 Basic requirements

4.1.1 Operation procedure



4.1.2 Three principles for refrigerant piping

Principle	Reasons	Countermeasure
Dry	Rainwater/Engineered water / Condensation may enter the piping system	The process of tubing must follow standard procedures → Blow cleanly → Vacuum
Clean	Oxidation produced by welding/Outside dust /Sundries	Charge nitrogen gas to prevent oxidation when welding/Attention the cleanness during the piping process → Blow clean
Air seal	Imprecision welding/Unqualified airproof to bell-mouth/Leakage of the fringe	Use suitable welding rod to weld/Comply with welding operation criteria/Comply with bell-mouth connecting operation criteria/Comply with the interface operation criteria →Air seal test

Caution: Removing oil from copper pipe of a system that uses R410A

For the system that uses R410A, oil-free copper pipes should be selected (they can also be customized). If ordinary (oily) copper pipes are used, it must be cleaned with gauze that is dipped into tetrachloroethylene solution.

Purpose of cleaning copper pipe: Remove the lubrication (industrial oil used during the processing of the copper pipe) attached to the inner wall of the copper pipe. The ingredients of such lubricants are different from those of the lubricants used by the R410A refrigerant, and will leave deposits in the system, which may cause complex system errors.

Special Note: Never use CCl4 for pipe cleansing and flushing, or the system will be seriously damaged.

4.1.3 Support for refrigerant pipe

1. Fixing horizontal pipe

When the air conditioner is running, the refrigerant pipe will deform (for example, shrunk/expanded or droop). To avoid pipe damage, use hangers or supports (see the table below for the criteria).

Pipe Diameter (mm)	Less than Φ20	Φ20-40	Larger than Φ40
Interval between support points (m)	1	1.5	2

In general, gas pipe and liquid pipe should be suspended in parallel, and the interval between support points should be selected according to the diameter of the gas pipe. The temperature of the flowing refrigerant will change according to operation and working conditions, which will result in expansion and shrinkage of the refrigerant piping, therefore piping with thermal insulation should not be clamped tightly, in order to avoid any rupturing of the copper piping as a result of unnecessary stress.

2. Fixing vertical piping

Fix the pipe along the wall according to the pipeline route. Round log should be used at the pipe clip to replace thermal insulation material, “U”-shape pipe should be fixed outside the round log, and the round log should be provided with anticorrosion treatment.

Pipe Diameter (mm)	Less than Φ20	Φ20-40	Larger than Φ40
Interval between support points (m)	1.5	2	8.2(2. 5)