



TM_CASSETTE(GA)_R32_3D INV_EU_NA_2109

CASSETTE

R32 3D INVERTER CONTROL

TECHNICAL MANUAL

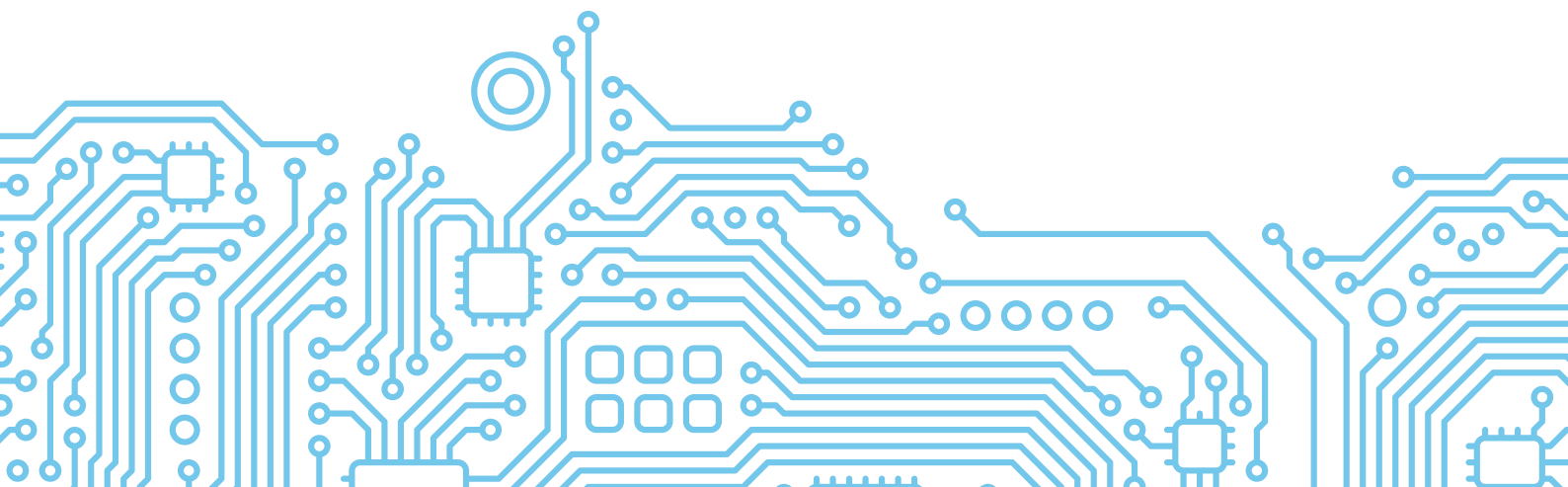
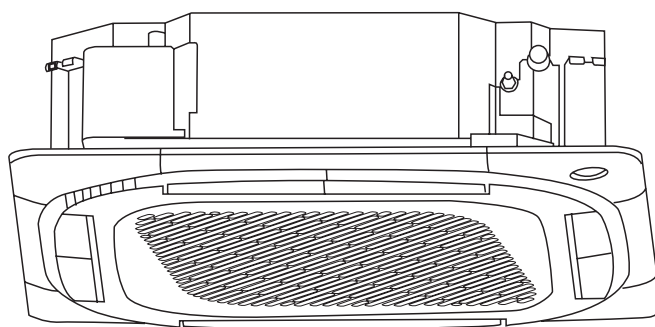


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Specifications

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1. Model Reference

Refer to the following table to determine the specific indoor and outdoor unit model number of your purchased equipment.

Indoor Unit Model	Outdoor Unit Model	Capacity (Btu/h)	Power Supply
MCA3U-12HRFNX-QRD0W(GA)	MOX230-12HFN8-QRD0W(GA)	12k	1 ϕ , 220~240V~, 50Hz
MCA3U-18HRFNX-QRD0W(GA)	MOX330U-18HFN8-QRD0W(GA)	18k	
MCD1-24HRFNX-QRD0W(GA)	MOX430U-24HFN8-QRD0W(GA)	24k	
MCD1-30HRFNX-QRD0W(GA)	MOD30U-30HFN8-QRD0W(GA)	30k	
MCD1-36HRFN8-QRD0W(GA)	MOD30U-36HFN8-QRD0W(GA)	36k	
MCD1-42HRFNX-QRD0W(GA)	MOD30U-42HFN8-QRD0W(GA)	48k	3 ϕ , 380~415V~, 50Hz
MCD1-36HRFN8-QRD0W(GA)	MOD30U-36HFN8-RRD0W(GA)	36k	
MCD1-48HRFNX-QRD0W(GA)	MOE30U-48HFN8-RRD0W(GA)	48k	
MCD1-55HRFNX-QRD0W(GA)	MOE30U-55HFN8-RRD0W(GA)	60k	

2. General Specifications

Indoor model			MCA3U-12HRFNX-QRD0W(GA)	MCA3U-18HRFNX-QRD0W(GA)	MCD1-24HRFNX-QRD0W(GA)
Outdoor model			MOX230-12HFN8-QRD0W(GA)	MOX330U-18HFN8-QRD0W(GA)	MOX430U-24HFN8-QRD0W(GA)
Power supply (Indoor)	V- Ph-Hz		220~240-1-50	220~240-1-50	220~240-1-50
Power Supply (Outdoor)	V-Ph-Hz		220~240-1-50	220~240-1-50	220~240-1-50
Max. input consumption	W		1850	2950	3700
Max. current	A		9	13.5	19
Indoor fan motor	Model		ZKFP-46-8-1	ZKFP-46-8-1	ZKFN-45-8-1
	Qty		1	1	1
	Insulation class		E	E	B(Dayang)/E(Tongda)
	IP rating		IP40(Dayang)/IPX4(Zhipu)	IP40(Dayang)	IP20
	Output	W	46	46	45
	Capacitor	uF	/	/	/
	Speed(Hi/Mi/Lo)	r/min	800/304	752/664/576	608/552/496
Indoor coil	Number of rows		2	2	2
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.3	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	1300x210x26.74+1360x210x26.74	1360x210x26.74	2155x168x26.74
	Number of circuits		4	4	4
Indoor air flow (Hi/Mi/Lo)		m3/h	569/485/389	680/584/479	1247/1118/992
Indoor sound pressure level		dB(A)	42/37.5/34.5	45.4/44/39	50/47.5/42
Indoor sound power level		dB(A)	57	59	59
Indoor unit	Dimension(WxDxH)(body)	mm	570x570x260	570x570x260	830x830x205
	Dimension(WxDxH)(panel)	mm	647x647x50	647x647x50	950x950x55
	Packing(WxDxH)(body)	mm	662x662x317	662x662x317	910x910x250
	Packing(WxDxH)(panel)	mm	715x715x123	715x715x123	1035x1035x90
	Net/Gross weight(body)	Kg	16.3/20.4	16/20.6	21.6/25.4
	Net/Gross weight(panel)	Kg	2.5/4.5	2.5/4.5	6/9
Drainage water pipe diameter		mm	ODΦ25mm	ODΦ25mm	ODΦ25mm
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Wired control	Wired control	Wired control
Operation temperature		°C	16-30	16-30	16-30
Room temperature	Cooling	°C	16-32	16-32	16-32
	Heating	°C	0~30	0~30	0~30
Qty/per 20' /40' /40'HQ		Indoor unit	214/461/519	120/264/297	77/161/198
Compressor	Model		KSN98D64UFZ3	KSN140D21UFZ	KTM240D43UKT
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	W	1930/3100	4385	7600
	Input	W	292/765	1140	2045
	Rated current(RLA)	A	2.15/4.65	7.50	9
	Refrigerant oil/oil charge	ml	VG74 300	VG74 440	VG74/620
Outdoor fan motor	Model		ZKFN-34-10-1-3	ZKFN-34-10-1-3	ZKFN-80-8-3
	Qty		1	1	1
	Insulation class		B	B	E
	IP rating		IP24	IP24	IPX4
	Output	W	34	34	80
	Capacitor	uF	/	/	/
	Speed	r/min	780/600	760/650	800/580

Outdoor coil	Number of rows		1	2.0	1.6
	Tube pitch(a)x row pitch(b)	mm	21x22	21x22	21x22
	Fin spacing	mm	1.3	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	745*504*22	860*504*44	900*44*609
	Number of circuits		2	4	5
Outdoor air flow		m ³ /h	2200	2100	3500
Outdoor sound pressure level		dB(A)	53.6	56	60
Outdoor sound power level		dB(A)	62	65	68
Throttle type			EXV	EXV	EXV+Throttle valve
Outdoor unit	Dimension(W*D*H)	mm	765x303x555	805x330x554	890x342x673
	Packing (W*D*H)	mm	887x337x610	915x370x615	995x398x740
	Net/Gross weight	Kg	26.6/29	32.5/35.2	43.9/46.9
Refrigerant type	Type	-	R32	R32	R32
	GWP	-	675	675	675
	Charged quantity	Kg	0.72	1.15	1.5
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	25	30	50
	Max. difference in level	m	10	20	25
Ambient temperature	Cooling	°C	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24
Qty'per 20' /40' /40'HQ		Outdoor unit	132/264/352	114/234/312	99/198/198

Notes:

1) Capacities are based on the following conditions:

Cooling(T1): - Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB

-Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB

-Interconnecting Piping Length 5m

- Level Difference of Zero.

Heating: - Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB

-Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB

- Interconnecting Piping Length 5 m

- Level Difference of Zero.

2) Capacities are Net Capacities.

3) Due to our policy of innovation some specifications may be changed without notification.

Indoor model			MCD1-30HRFNX-QRD0W(GA)	MCD1-36HRFN8-QRD0W(GA)	MCD1-36HRFN8-QRD0W(GA)
Outdoor model			MOD30U-30HFN8-QRD0W(GA)	MOD30U-36HFN8-QRD0W(GA)	MOD30U-36HFN8-RRD0W(GA)
Power supply (Indoor)	V- Ph-Hz		220~240-1-50	220~240-1-50	220~240-1-50
Power Supply (Outdoor)	V-Ph-Hz		220~240-1-50	220~240-1-50	380~415-3-50
Max. input consumption	W		4500	5000	5000
Max. current	A		20	22.5	10.0
Indoor fan motor	Model		ZKFN-125-8-1	ZKFN-125-8-1	ZKFN-125-8-1
	Qty		1	1	1
	Insulation class		B	B	B
	IP rating		IP20	IP20	IP20
	Output	W	125	125	125
	Capacitor	uF	/	/	/
	Speed(Hi/Mi/Lo)	r/min	660/600/550	700/630/570	700/630/570
Indoor coil	Number of rows		2	3.0	3.0
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.3	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	2135*210*26.74	2135*252*40.11	2135*252*40.11
	Number of circuits		5	10	10
Indoor air flow (Hi/Mi/Lo)		m3/h	1700/1530/1300	1700/1530/1300	1700/1530/1300
Indoor sound pressure level		dB(A)	50.5/48/46	51/48/46	51.0/49.0/46.0
Indoor sound power level		dB(A)	63	64	64
Indoor unit	Dimension(WxDxH)(body)	mm	830x830x245	830x830x245	830x830x245
	Dimension(WxDxH)(panel)	mm	950x950x55	950x950x55	950x950x55
	Packing(WxDxH)(body)	mm	910x910x290	910x910x290	910x910x290
	Packing(WxDxH)(panel)	mm	1035x1035x90	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	Kg	24.6/28.6	27.2/31.2	27.2/31.2
	Net/Gross weight(panel)	Kg	6/9	6/9	6/9
Drainage water pipe diameter		mm	ODΦ25mm	ODΦ25mm	ODΦ25mm
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Wired control	Wired control	Wired control
Operation temperature		°C	16-30	16-30	16-30
Room temperature	Cooling	°C	16-32	16-32	16-32
	Heating	°C	0~30	0~30	0~30
Qty/per 20' /40' /40'HQ		Indoor unit	96/208/234	96/208/234	96/208/234
Compressor	Model		KTM240D43UKT	KTF310D43UMT	KTF310D43UMT
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	W	7600	10010	10010
	Input	W	2045	2765	2765
	Rated current(RLA)	A	9	5.38	5.38
	Thermal protector		/	INT01L-4639	INT01L-4639
	Thermal protector position		/	EXTERNAL	EXTERNAL
	Refrigerant oil/oil charge	ml	VG74/620	VG74/1000	VG74/1000
Outdoor fan motor	Model		ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-120-8-2
	Qty		1	1	1
	Insulation class		E	E	E
	IP rating		IPX4	IPX4	IPX4
	Output	W	120	120	120
	Capacitor	uF	/	/	/
	Speed	r/min	900/750/550	950/850/700	950/850/700

Outdoor coil	Number of rows		1.6	2	2
	Tube pitch(a)x row pitch(b)	mm	25.4x22	25.4x22	25.4x22
	Fin spacing	mm	1.3	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube
	Coil length x height x width	mm	1005x762x22+580x762x22	995x762x44	995x762x44
	Number of circuits		4	4	4
Outdoor air flow		m ³ /h	3800	4000	4000
Outdoor sound pressure level		dB(A)	62	63	63.0
Outdoor sound power level		dB(A)	70	70	70
Throttle type			EXV+Throttle valve	EXV+Throttle valve	EXV+Throttle valve
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	946x410x810	946x410x810
	Packing (W*D*H)	mm	1090x500x885	1090x500x885	1090x500x885
	Net/Gross weight	Kg	52.8/57.3	66.9/71.5	80.5/85
Refrigerant type	Type	-	R32	R32	R32
	GWP	-	675	675	675
	Charged quantity	Kg	2	2.4	2.4
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	50	75	75
	Max. difference in level	m	25	30	30
Ambient temperature	Cooling	°C	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24
Qty'per 20' /40' /40'HQ		Outdoor unit	44/96/138	44/96/138	44/96/138

Notes:

1) Capacities are based on the following conditions:

Cooling(T1): - Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB

-Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB

-Interconnecting Piping Length 5m

- Level Difference of Zero.

Heating: - Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB

-Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB

- Interconnecting Piping Length 5 m

- Level Difference of Zero.

2) Capacities are Net Capacities.

3) Due to our policy of innovation some specifications may be changed without notification.

Indoor model			MCD1-42HRFNX-QRD0W(GA)	MCD1-48HRFNX-QRD0W(GA)	MCD1-55HRFNX-QRD0W(GA)
Outdoor model			MOD30U-42HFN8-QRD0W(GA)	MOE30U-48HFN8-RRD0W(GA)	MOE30U-55HFN8-RRD0W(GA)
Power supply (Indoor)		V- Ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50
Power Supply (Outdoor)		V-Ph-Hz	220~240-1-50	380~415-3-50	380~415-3-50
Max. input consumption		W	5000	6900	7500
Max. current		A	22.5	13	14
Indoor fan motor	Model		ZKFN-125-8-1	ZKFN-125-8-1	ZKFN-125-8-1
	Qty		1	1	1
	Insulation class		B	B	B
	IP rating		IP20	IP20	IP20
	Output	W	125	125	125
	Capacitor	uF	/	/	/
	Speed(Hi/Mi/Lo)	r/min	712/648/584	712/648/584	736/672/608
Indoor coil	Number of rows		3.0	3.0	3.0
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.3	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	980*252*40.11+980*252*40.11	980*252*40.11+980*252*40.11	980*252*40.11+980*252*40.11
	Number of circuits		10	10	10
Indoor air flow (Hi/Mi/Lo)		m3/h	1900/1750/1600	1900/1750/1600	2000/1850/1650
Indoor sound pressure level		dB(A)	52.5/50/47.5	52.5/50.5/48	54.5/52/49.5
Indoor sound power level		dB(A)	66	66	66
Indoor unit	Dimension(WxDxH)(body)	mm	830x830x287	830x830x287	830x830x287
	Dimension(WxDxH)(panel)	mm	950x950x55	950x950x55	950x950x55
	Packing(WxDxH)(body)	mm	910x910x330	910x910x330	910x910x330
	Packing(WxDxH)(panel)	mm	1035x1035x90	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	Kg	29.3/33.5	29.3/33.5	29.3/33.5
	Net/Gross weight(panel)	Kg	6/9	6/9	6/9
Drainage water pipe diameter		mm	ODΦ25mm	ODΦ25mm	ODΦ25mm
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Wired control	Wired control	Wired control
Operation temperature		°C	16-30	16-30	16-30
Room temperature	Cooling	°C	16-32	16-32	16-32
	Heating	°C	0~30	0~30	0~30
Qty'per 20' /40' /40'HQ		Indoor unit	84/182/208	84/182/208	84/182/208
Compressor	Model		KTF310D43UMT	KTQ420D1UMU	KTQ420D1UMU
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	W	10010	13700	13700
	Input	W	2765	3700	3700
	Rated current(RLA)	A	5.38	7.02	7.02
	Thermal protector		INT01L-4639	INT01L-4639	INT01L-4639
	Thermal protector position		EXTERNAL	EXTERNAL	EXTERNAL
Outdoor fan motor	Refrigerant oil/oil charge	ml	VG74/1000	VG74/1400	VG74/1400
	Model		ZKFN-120-8-2	ZKFN-85-8-22-5	ZKFN-85-8-22-5
	Qty		1	2	2
	Insulation class		E	E	E
	IP rating		IPX4	IPX4	IPX4
	Output	W	120	85	85
	Capacitor	uF	/	/	/
	Speed	r/min	950/750	830/650	830/650

Outdoor coil	Number of rows		2.6	2	2
	Tube pitch(a)x row pitch(b)	mm	25.4x22	25.4x22	25.4x22
	Fin spacing	mm	1.5	1.4	1.4
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube
	Coil length x height x width	mm	995x762x22+960x762x22+580x762x22	990x1270x44	990x1270x44
	Number of circuits		6	8	8
Outdoor air flow		m3/h	4000	7500	7500
Outdoor sound pressure level		dB(A)	63	63.5	64
Outdoor sound power level		dB(A)	72	74	75
Throttle type			EXV+Throttle valve	EXV+Throttle valve	EXV+Throttle valve
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	952x415x1333	952x415x1333
	Packing (W*D*H)	mm	1090x500x885	1095x495x1480	1095x495x1480
	Net/Gross weight	Kg	71.0/75.0	103.7/118.3	107.0/121.2
Refrigerant type	Type	-	R32	R32	R32
	GWP	-	675	675	675
	Charged quantity	Kg	2.8	2.9	3.0
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	75	75	75
	Max. difference in level	m	30	30	30
Ambient temperature	Cooling	°C	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24
Qty/per 20' /40' /40'HQ		Outdoor unit	44/96/138	22/48/48	22/48/48

Notes:

1) Capacities are based on the following conditions:

Cooling(T1): - Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB

-Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB

-Interconnecting Piping Length 5m

- Level Difference of Zero.

Heating: - Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB

-Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB

- Interconnecting Piping Length 5 m

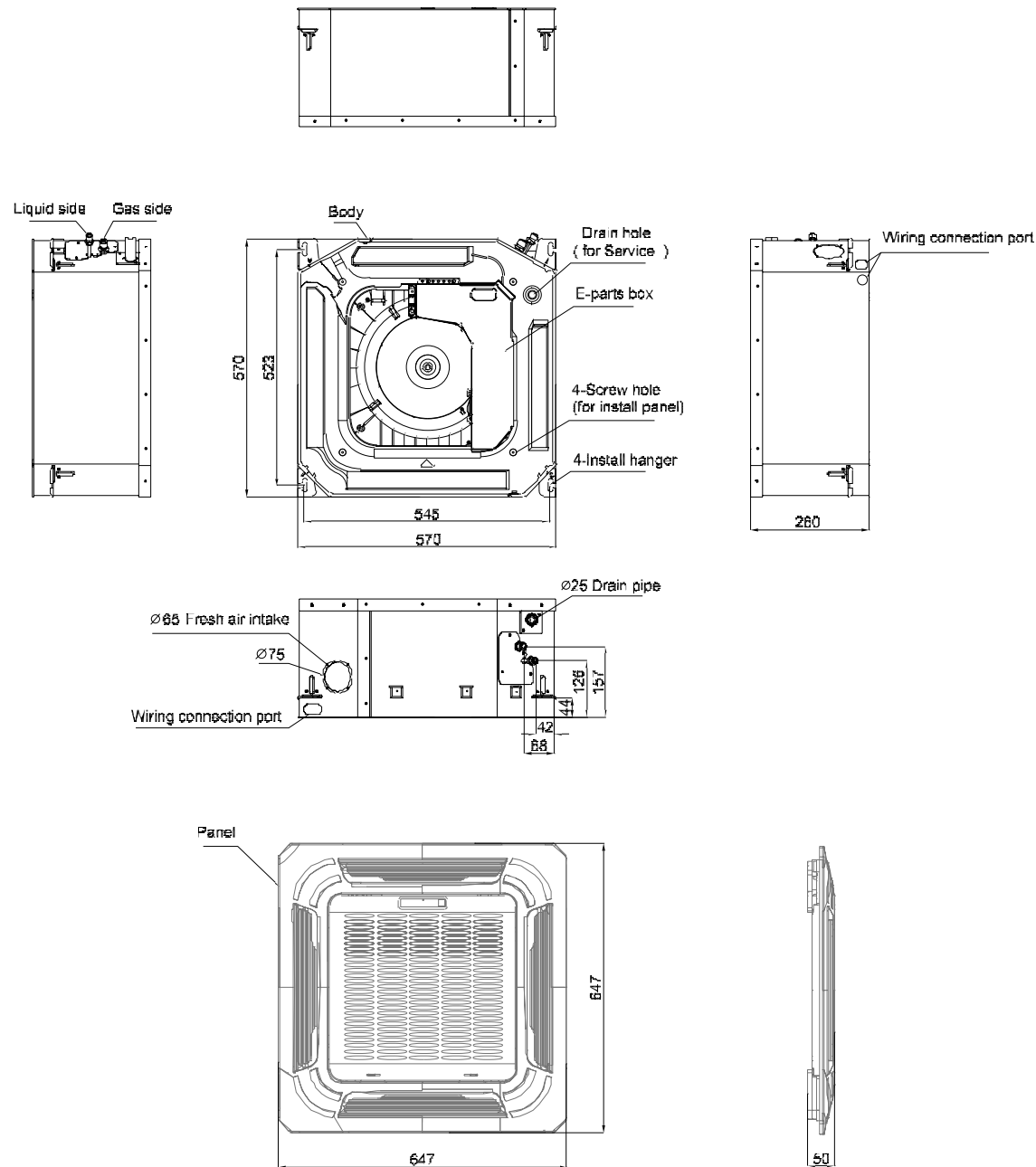
- Level Difference of Zero.

2) Capacities are Net Capacities.

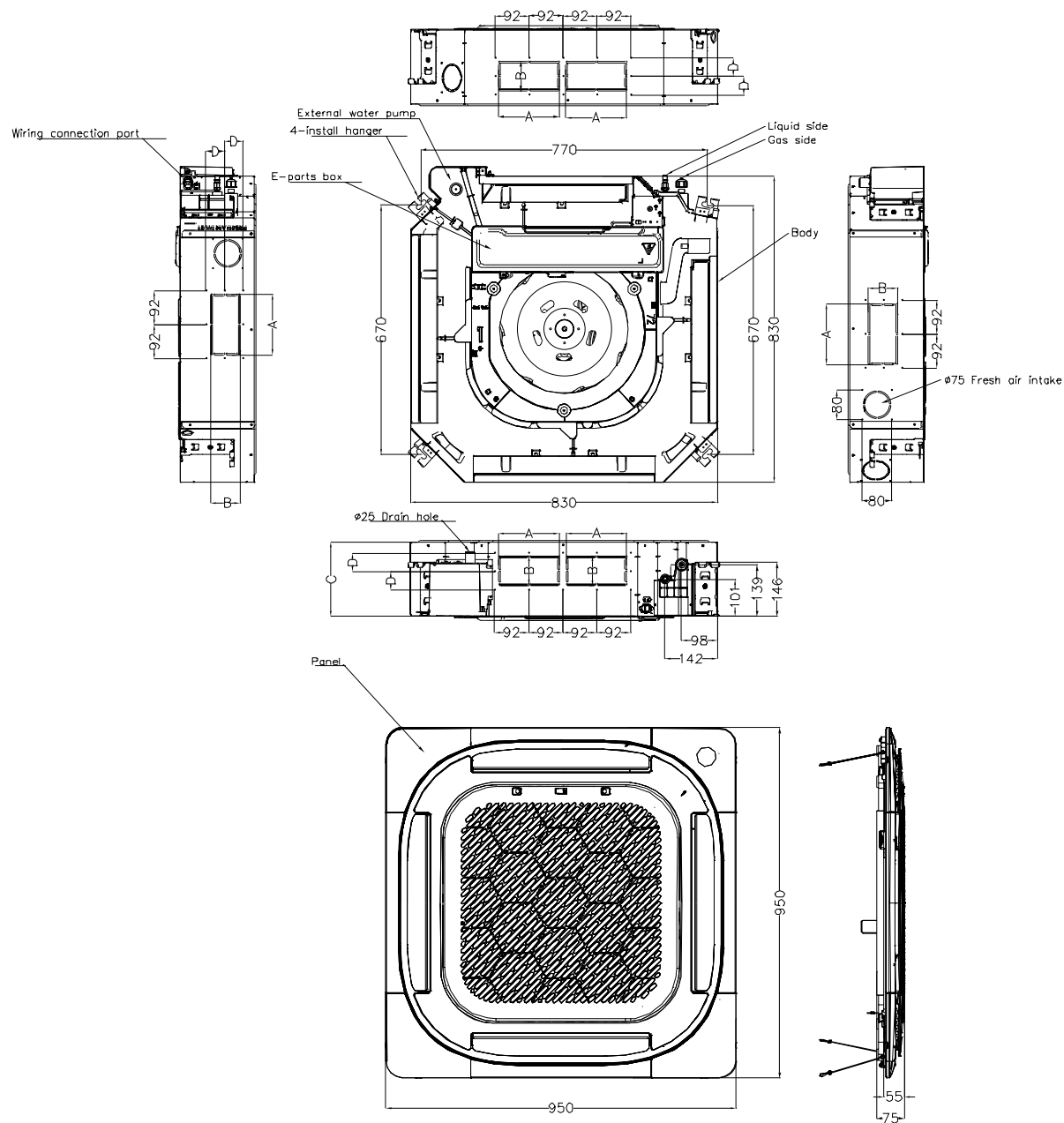
3) Due to our policy of innovation some specifications may be changed without notification.

3. Dimensional Drawings

Indoor Unit
Compact Cassette

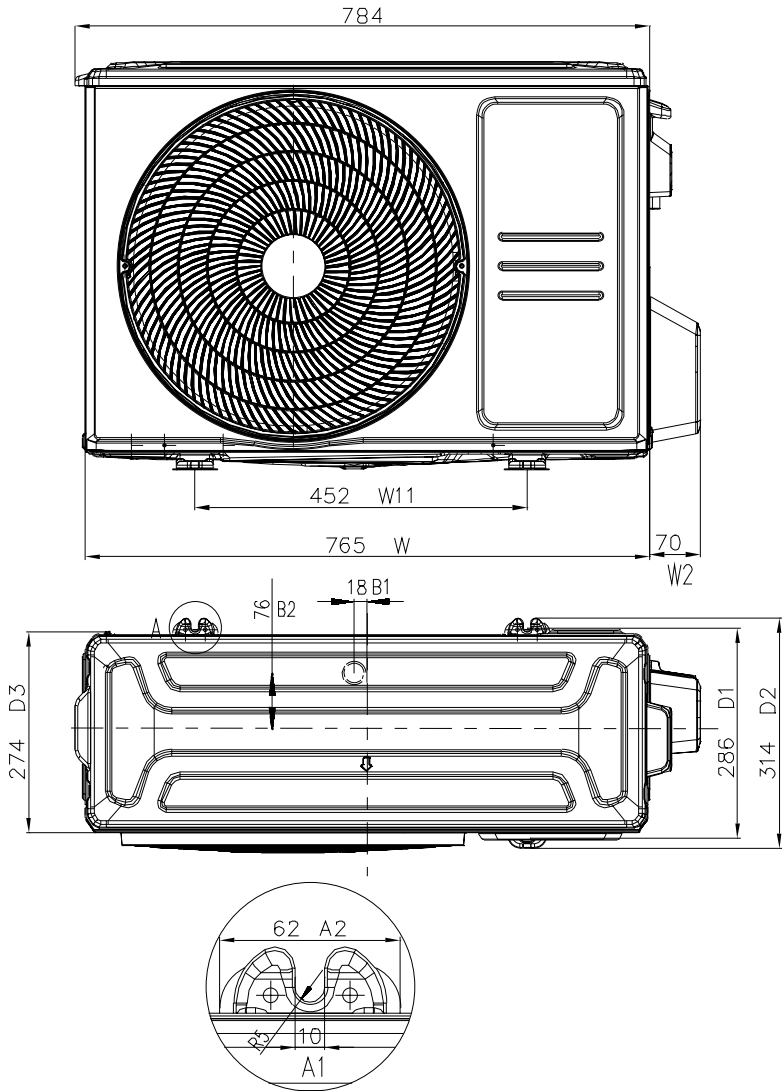
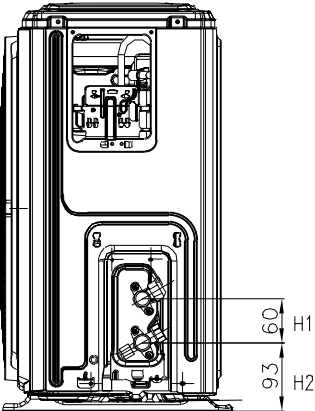
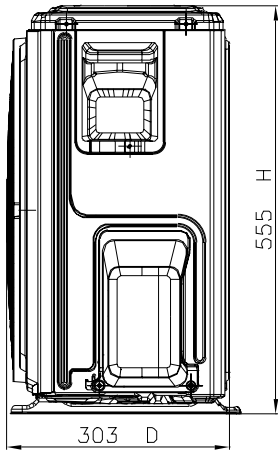


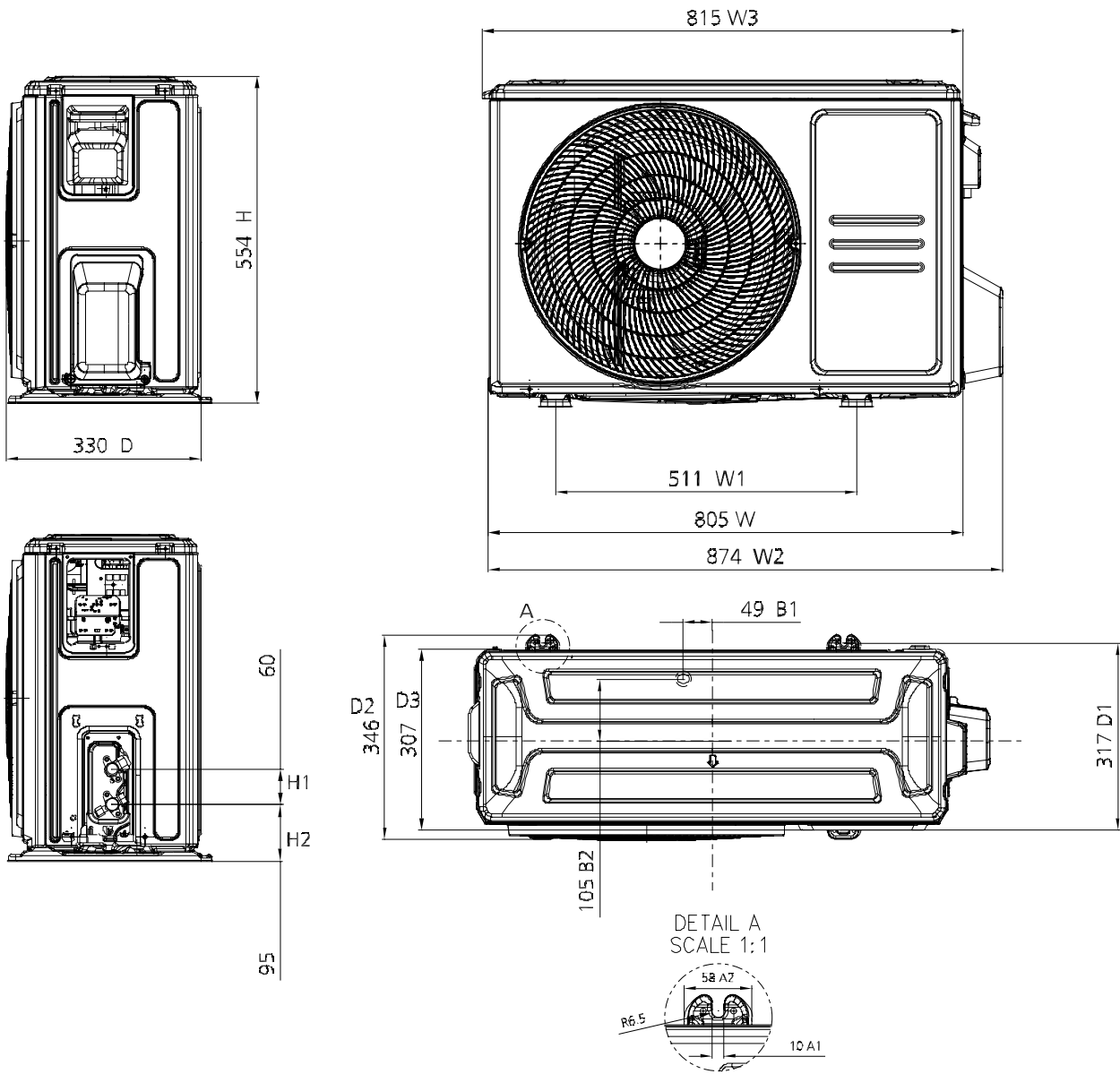
Super Slim Cassette

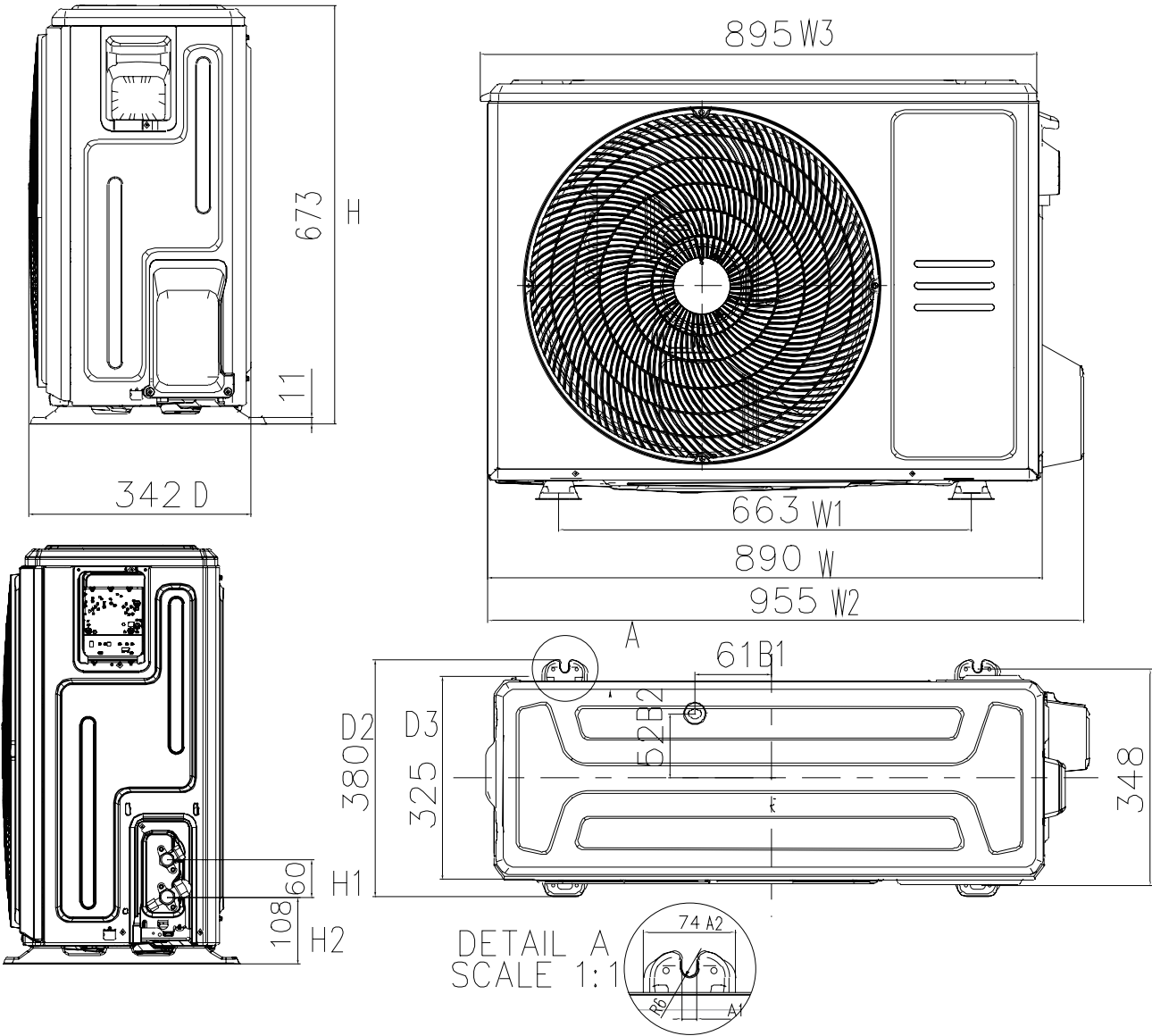


Model (KBtu/h)	Unit	A	B	C	D
24	mm	165	80	205	50
	inch	6.50	3.15	8.07	1.97
30~36	mm	165	100	245	60
	inch	6.50	3.94	9.65	2.36
42~60	mm	165	100	287	60
	inch	6.50	3.94	11.30	2.36

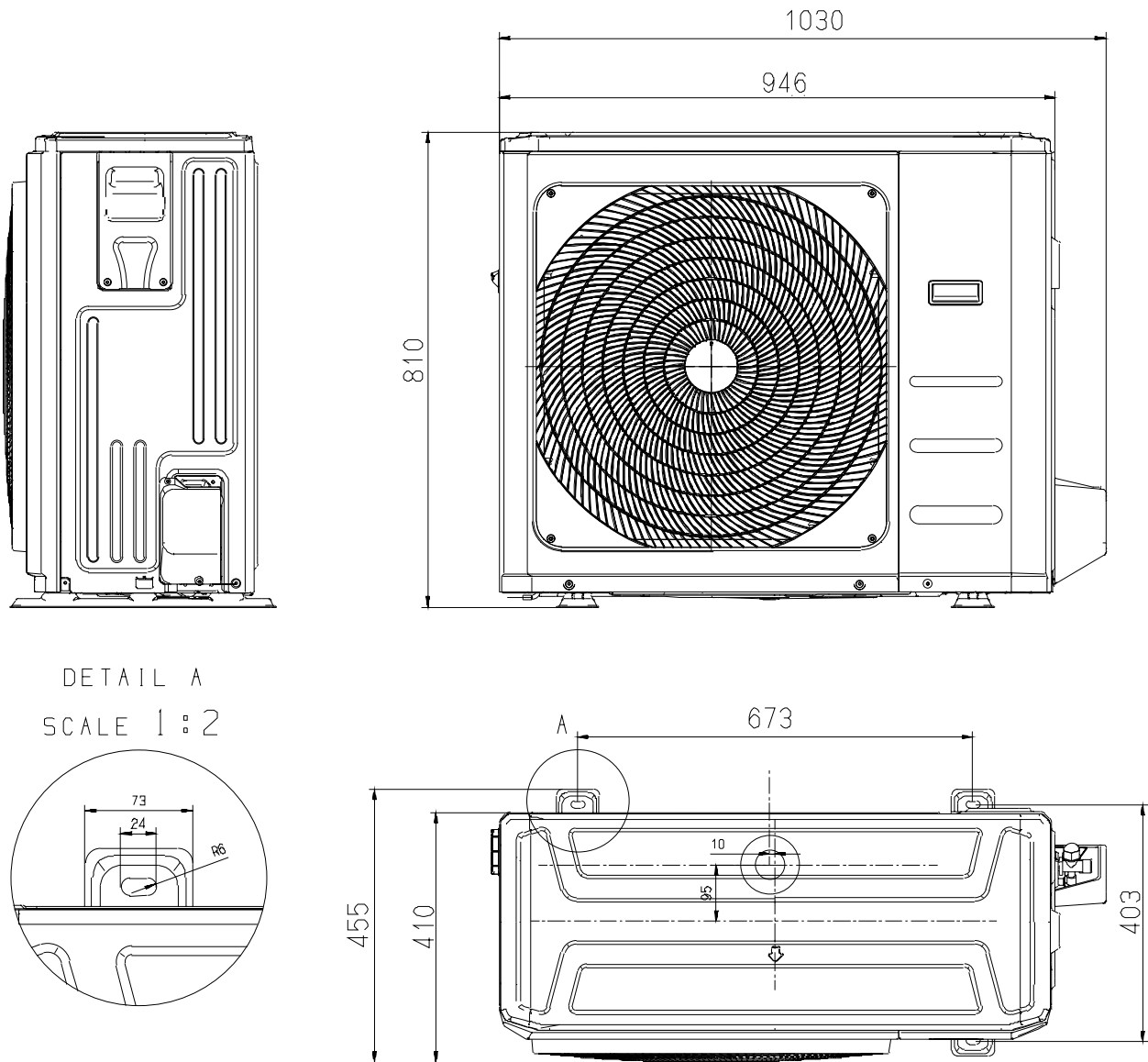
Outdoor Unit
MOX230-12HFN8-QRD0W(GA)



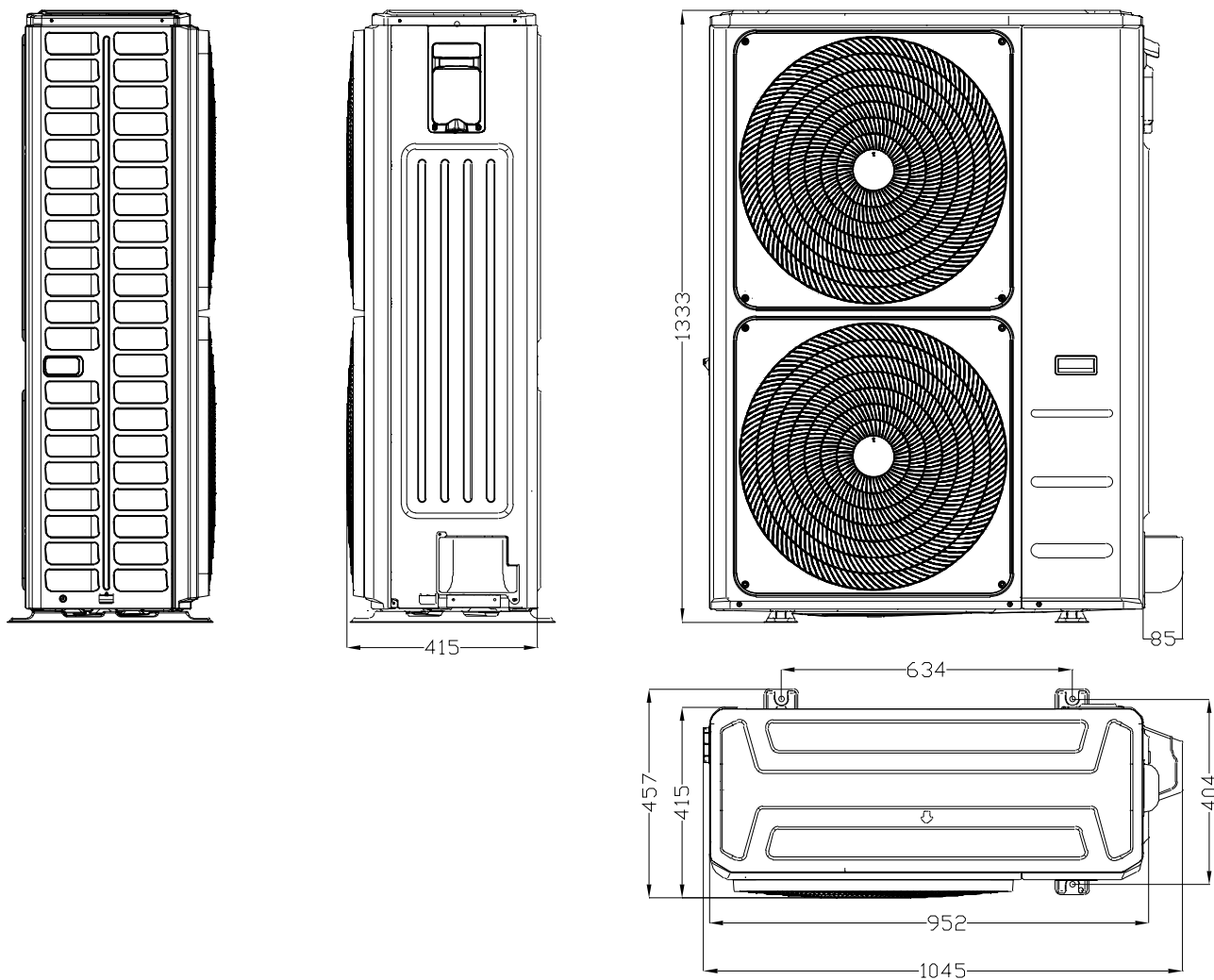




MOD30U-36HFN8-QRD0W(GA). MOD30U-36HFN8-RRD0W(GA), MOD30U-42HFN8-QRD0W(GA)



MOE30U-48HFN8-RRD0W(GA), MOE30U-55HFN8-RRD0W(GA)

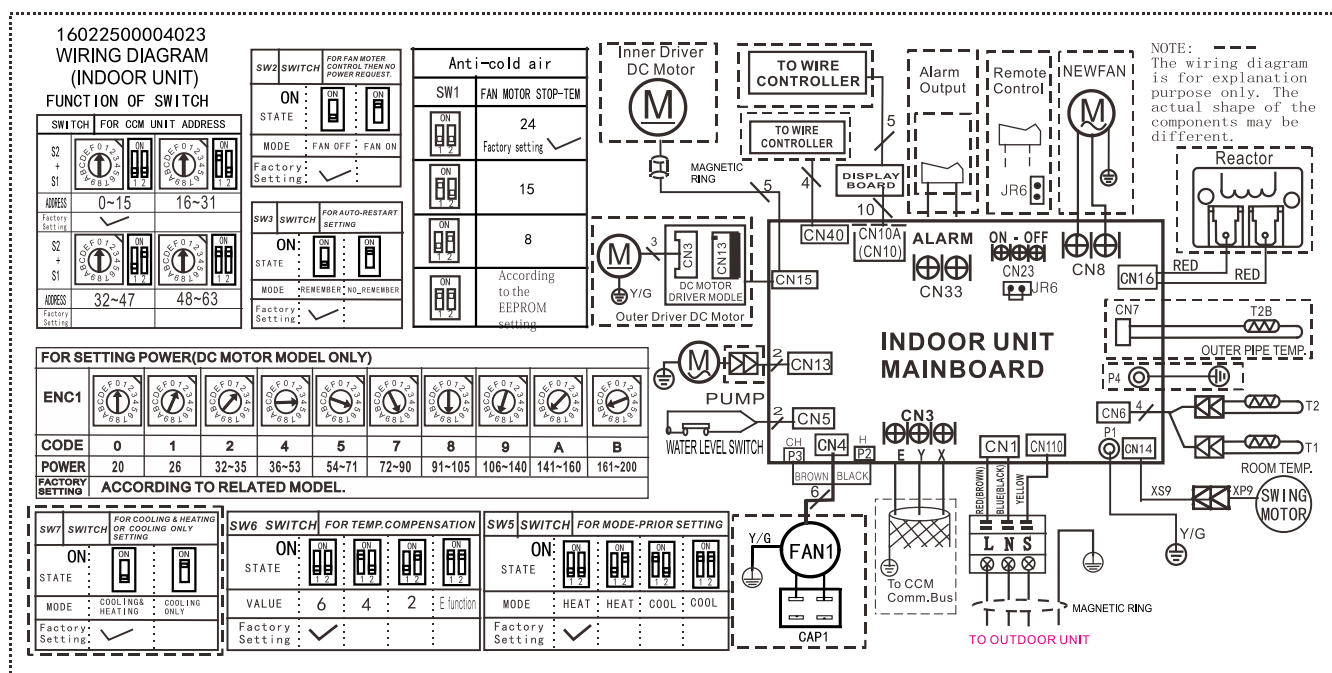


4. Electrical Wiring Diagrams

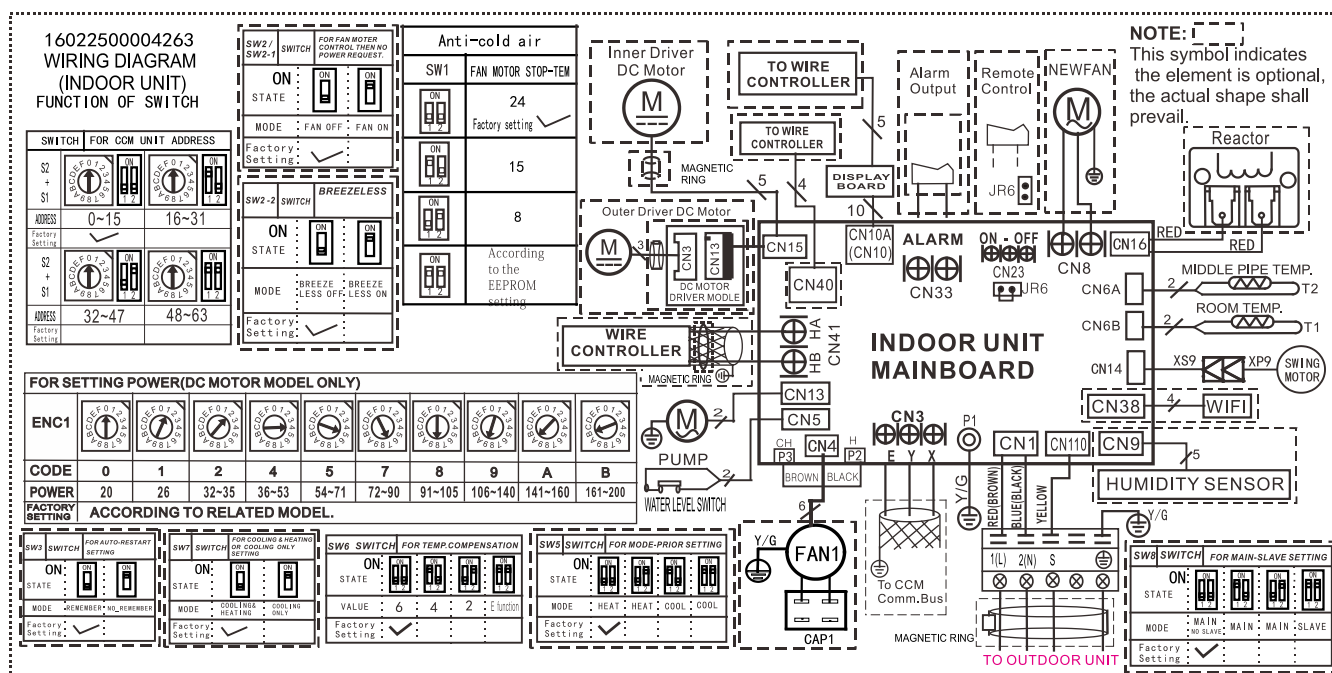
4.1 Indoor unit

Abbreviation	Paraphrase
Y/G	Yellow-Green Conductor
CAP1	Indoor Fan Capacitor
FAN1	Indoor Fan
L	LIVE
N	NEUTRAL
TO CCM Comm.Bus	Central Controller
T1	Indoor Room Temperature
T2	Coil Temperature of Indoor Heat Exchanger
P3	Super High Speed
P2	High Speed

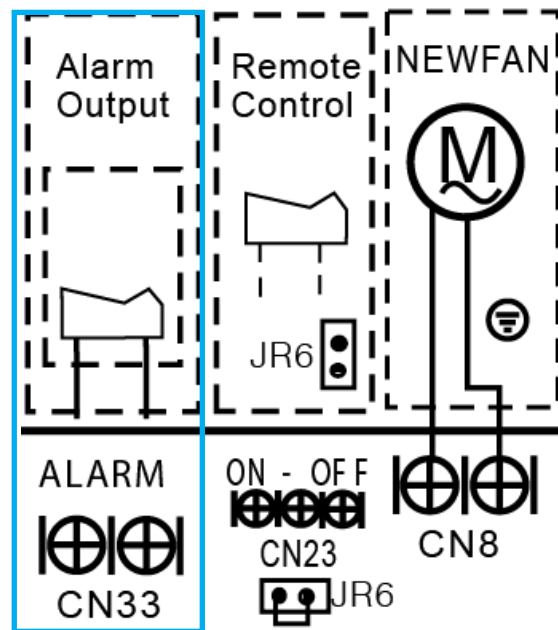
12K~18K



24K~55K

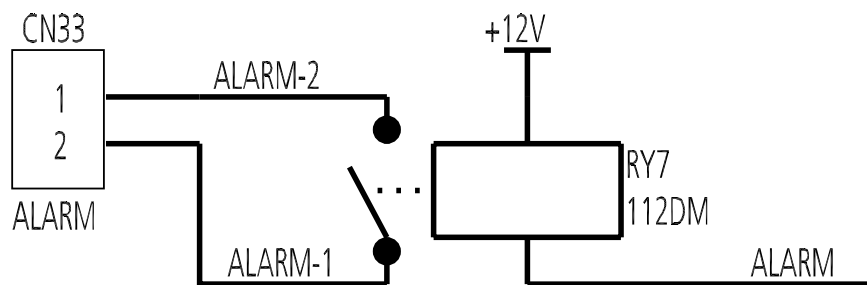


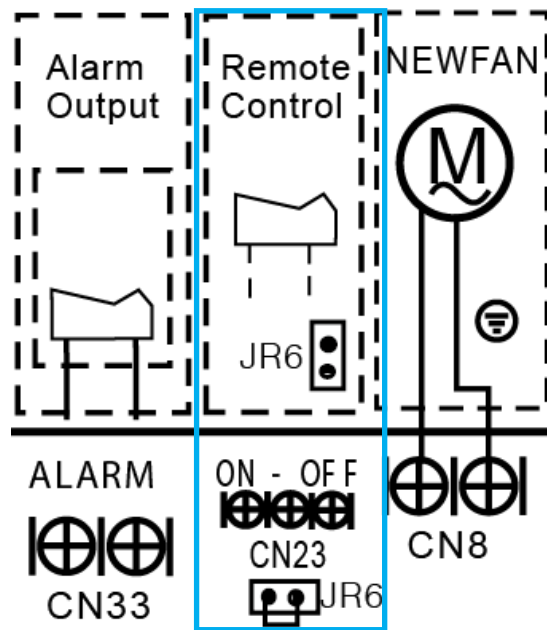
4.2 Some connectors introduce:



A For ALARM terminal port CN33

1. Provide the terminal port to connect ALARM ,but no voltage of the terminal port , the power from the ALARM system (not from the unit)
2. Although design voltage can support higher voltage ,but we strongly ask you connect the power less than 24V, current less than 0.5A
3. When the unit occurs the problem , the relay would be closed , then ALARM works



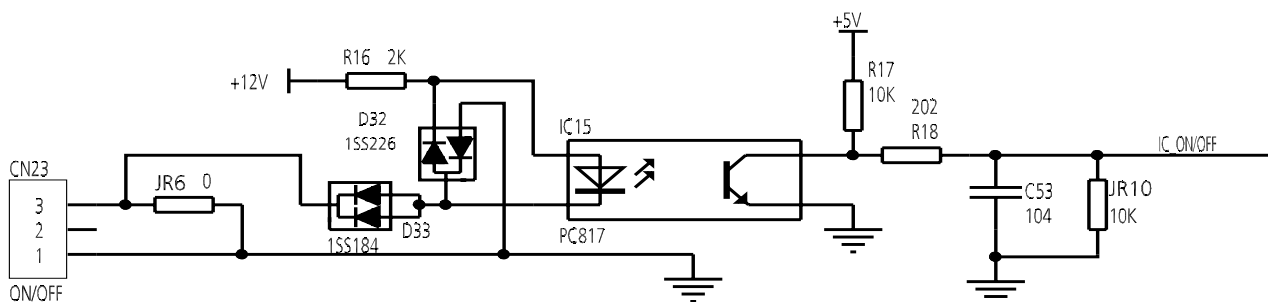


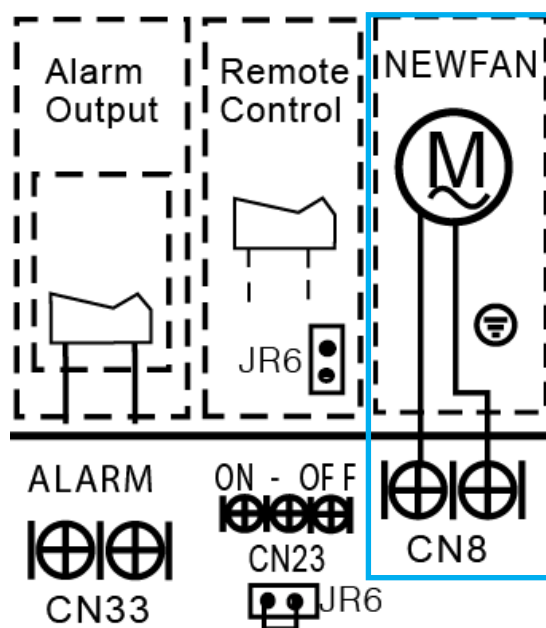
B For remote control (ON-OFF) terminal port CN23 and short connector of JR6

1. Remove the short connector of JR6 when you use ON-OFF function;
2. When remote switch off (OPEN) ;the unit would be off;
3. When remote switch on (CLOSE) ;the unit would be on;
4. When close/open the remote switch, the unit would be responded the demand within 2 seconds;
5. When the remote switch on. you can use remote controller/ wire controller to select the mode what you want ;when the remote switch off , the unit would not respond the demand from remote controller/wire controller.

when the remote switch off , but the remote controller / wire controller are on, CP code would be shown on the display board.

6.The voltage of the port is 12V DC , design Max.current is 5mA.



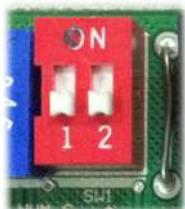


C. For new fresh motor terminal port CN8

1. Connect the fan motor to the port , no need care L/N of the motor ;
2. The output voltage is the power supply;
3. The fresh motor can not excess 200W or 1A , follow the smaller one ;
4. The new fresh motor will be worked when the indoor fan motor work ;when the indoor fan motor stops , the new fresh motor would be stopped ;
5. When the unit enter force cooling mode or capacity testing mode , the fresh motor isn't work .



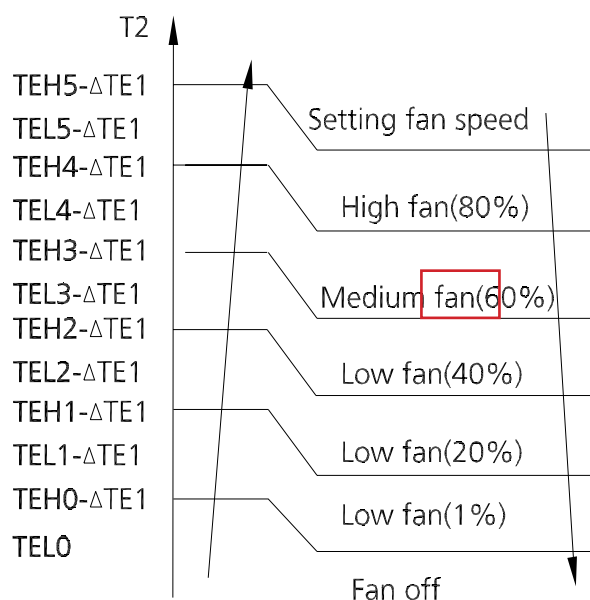
4.3 Micro-Switch introduce:



Anti-cold air	
SW1	FAN MOTOR STOP-TEM
	24 Factory setting ✓
	15
	8
	According to the EEPROM setting

A. Micro-switch SW1 is for selection of indoor fan stop temperature (TEL0) when it is in anti-cold wind action in heating mode.

Range: 24°C, 15°C, 8°C, According to EEROM setting (reserved for special customizing).



SW2 / SW2-1	SWITCH	FOR FAN MOTER CONTROL THEN NO POWER REQUEST.	
ON			
STATE			
MODE	FAN OFF	FAN ON	
Factory Setting	✓		

B. Micro-switch SW2/SW2-1 is for selection of indoor FAN ACTION if room temperature reaches the setpoint and the compressor stops.

Range: OFF (anti-cold wind is available in heating mode), Keep running (No anti-cold wind function).



SW2-2	SWITCH	BREEZELESS	
ON	STATE		
MODE		BREEZE LESS OFF	BREEZE LESS ON
Factory Setting:		✓	

C. Micro-switch SW2-2 (for some models) is for selection of Breezeless function.
Range: OFF, ON.



SW3	SWITCH	FOR AUTO-RESTART SETTING	
ON	STATE		
MODE		REMEMBER	NO_REMEMBER
Factory Setting:		✓	

D. Micro-switch SW3 is for selection of auto-restart function.
Range: Active, inactive



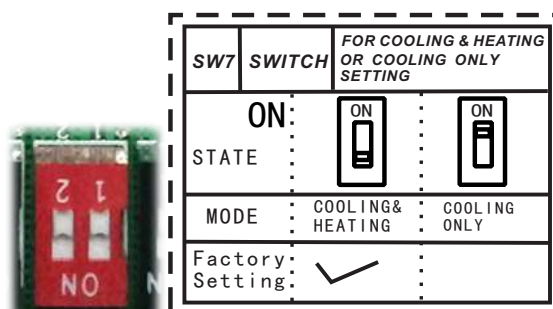
SW5	SWITCH	FOR MODE-PRIOR SETTING			
ON	STATE				
MODE		HEAT	HEAT	COOL	COOL
Factory Setting:		✓			

E. Micro-switch SW5 is for setting mode priority of multi connection.
Range: Heat, cool.



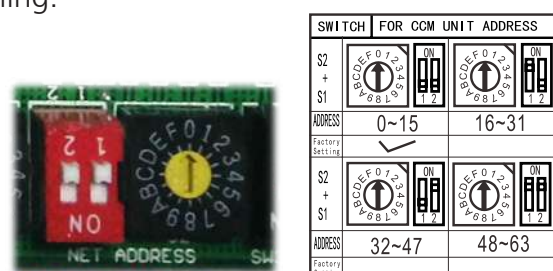
SW6	SWITCH	FOR TEMP. COMPENSATION			
ON	STATE				
VALUE		6	4	2	E function
Factory Setting:		✓			

F. Micro-switch SW6 is for selection of temperature compensation in heating mode. This helps to reduce the real temperature difference between ceiling and floor so that the unit could run properly. If the height of installation is lower, smaller value could be chosen.
Range: 6°C, 4°C, 2°C, E function (reserved for special customizing)



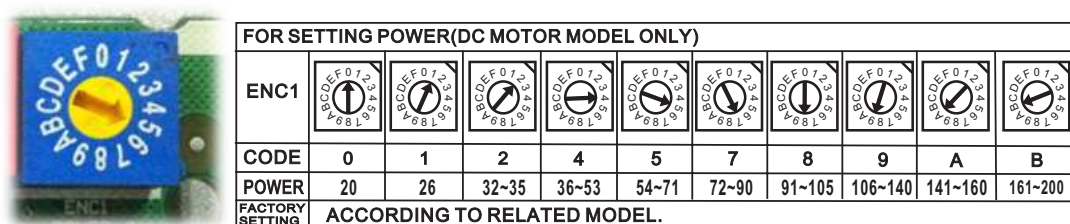
G. Micro-switch SW7 is for setting cooling & heating or cooling only.

Range: cooling & heating, cooling.



H. Micro-switch S1 and dial-switch S2 are for address setting when you want to control this unit by a central controller.

Range: 00-63



I. Dial-switch ENC1: The indoor PCB is universal designed for whole series units from 7K to 68K. This ENC1 setting will tell the main program what size the unit is.

NOTE: Usually there is glue on it because the switch position cannot be changed at random unless you want to use this PCB as a spare part to use in another unit. Then you have to select the right position to match the size of the unit.

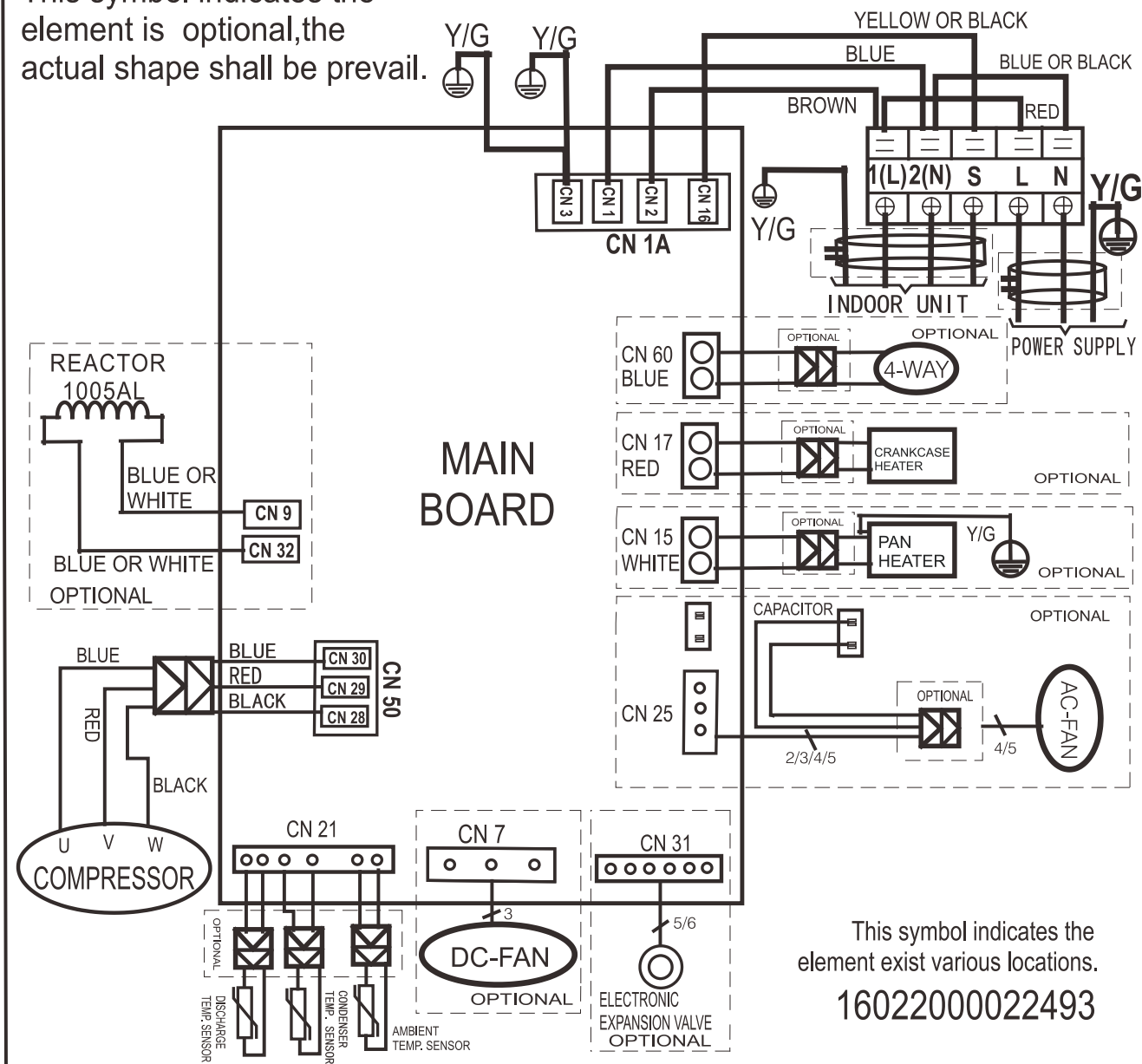
"20" means 2kW (7K), "105" means 10.5kW(36K), and so on.

4.4 Outdoor Unit

Abbreviation	Paraphrase
CAP1, CAP2, CAP3,CAP4	Fan Motor Capacitor
FM1,FM2	Outdoor DC Fan
FAN1, FAN2	Outdoor AC Fan
HEAT, HEAT_Y,HEAT_D	CRANKCASE HEATING
CT1, CT2	AC Current Detector
COMP	Compressor
L-PRO	Low Pressure Switch
H-PRO	High Pressure Switch
L	PFC Inductor
SV	4-Way Valve
TRANS	Power Transformer
TP	Exhaust Temperature Sensor
T4	Outdoor Ambient Temperature Sensor
T3	Condenser Temperature Sensor
TH	Heatsink Temperature Sensor
XT1	2-Way Terminal/4-Way Terminal
XT2	3-Way Terminal
XT4	Terminal
EEV	Electronic Expansion Valve
D	Diode Module

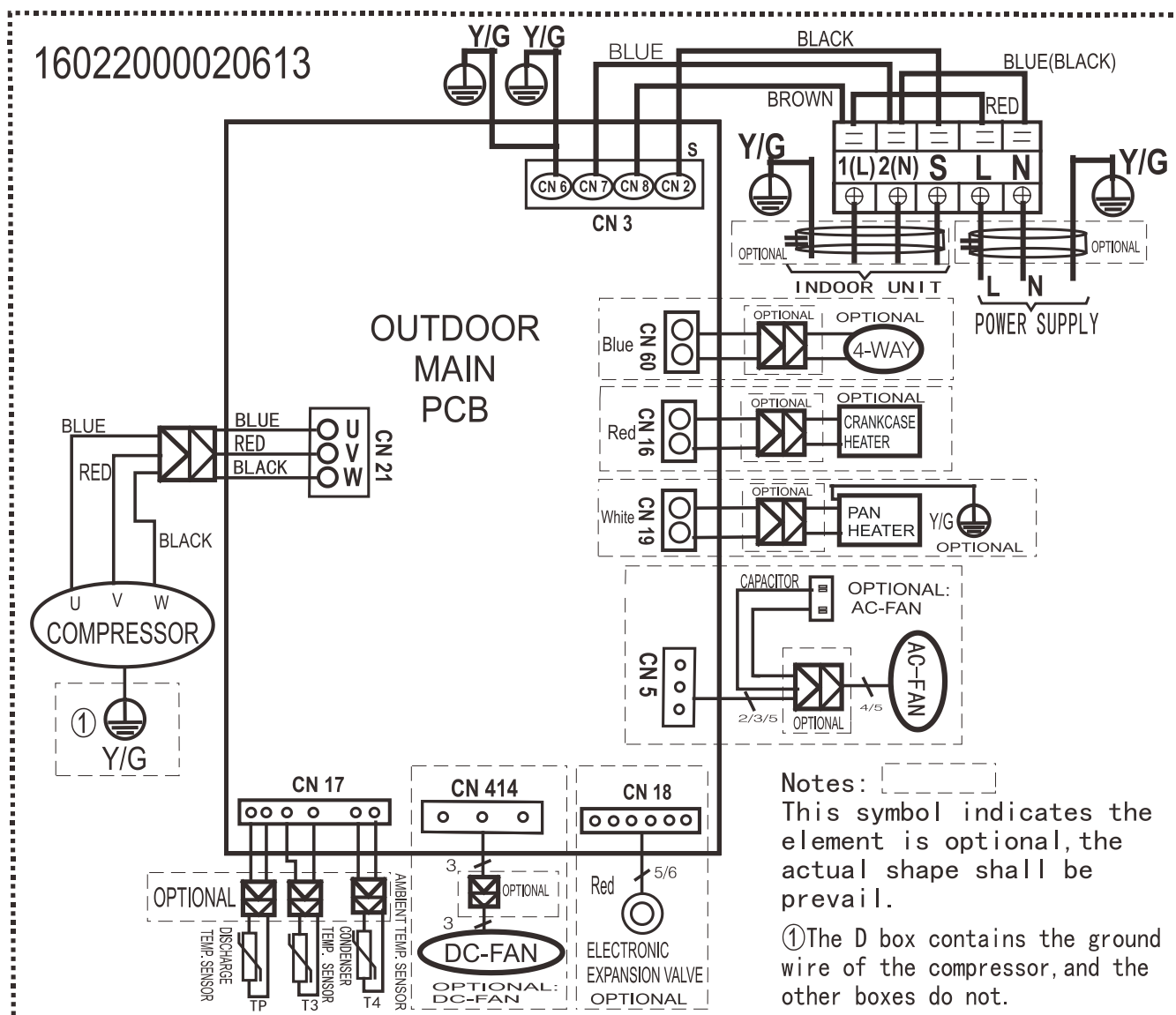
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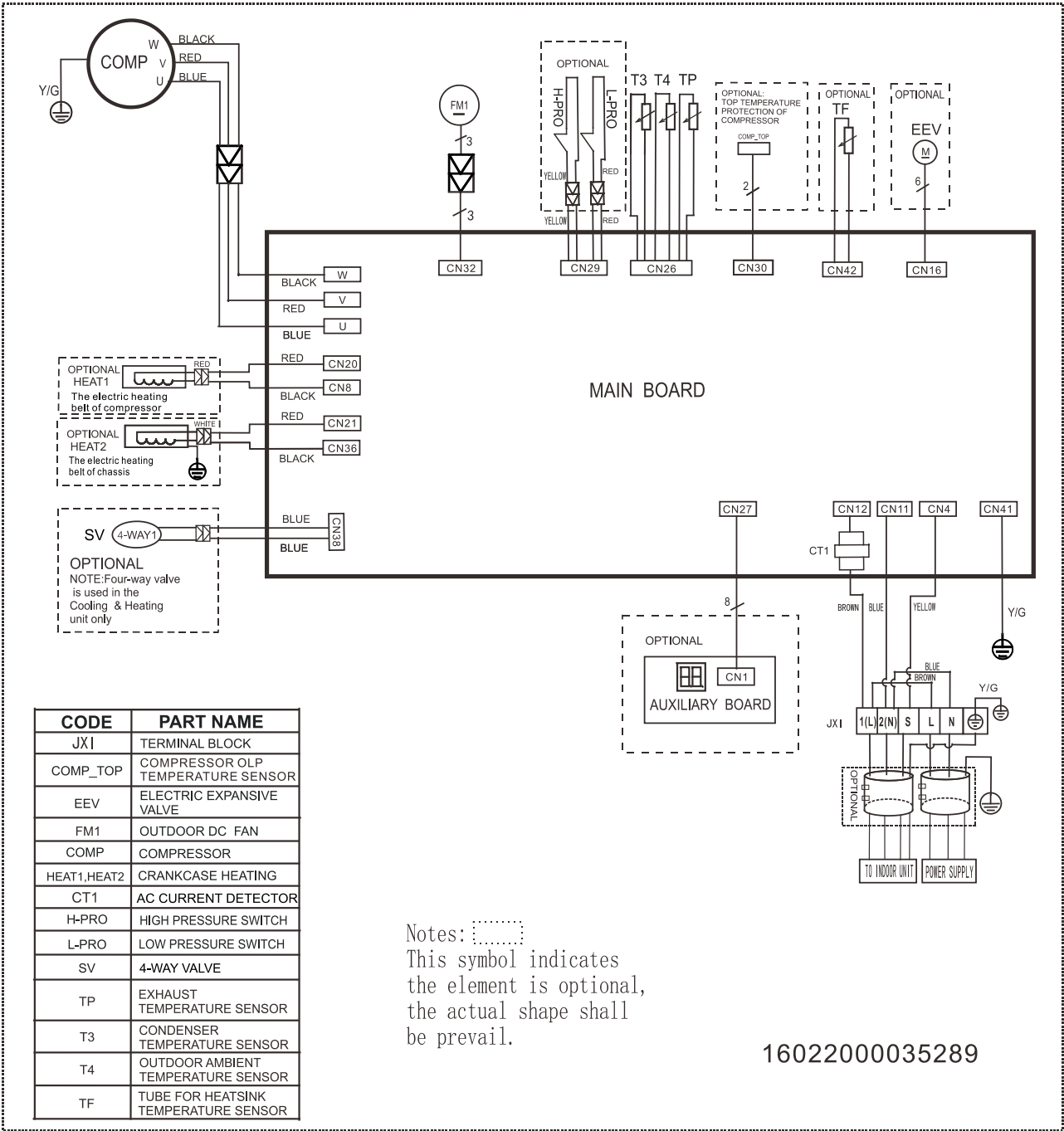
This symbol indicates the element is optional, the actual shape shall prevail.



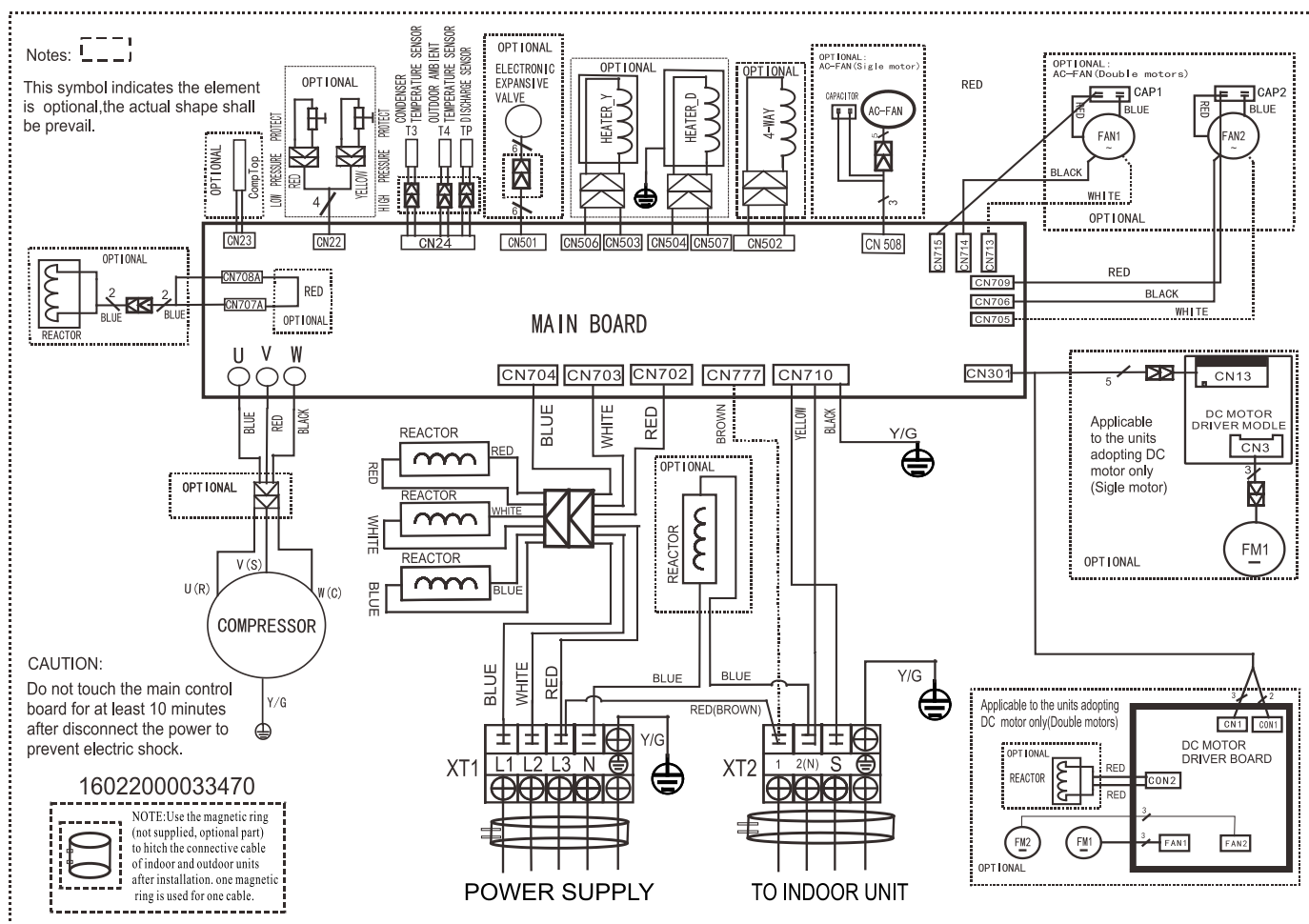
This symbol indicates the element exist various locations.

16022000022493

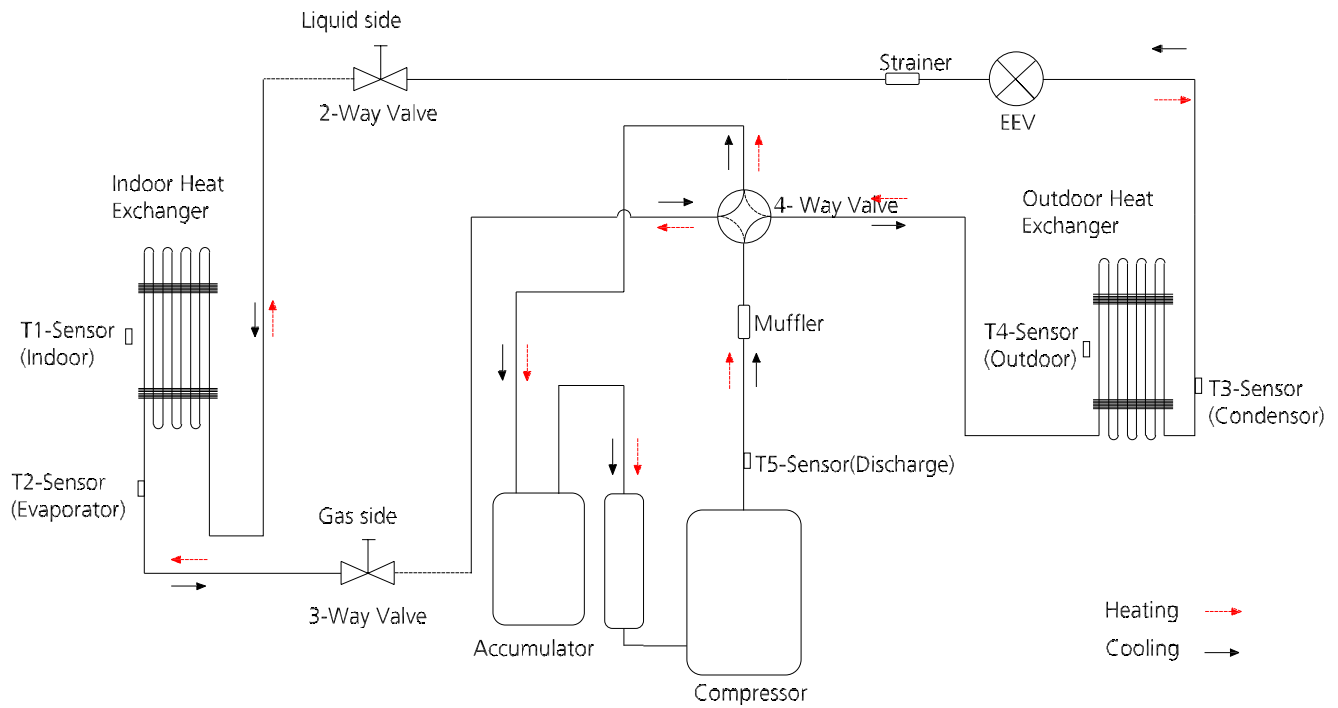




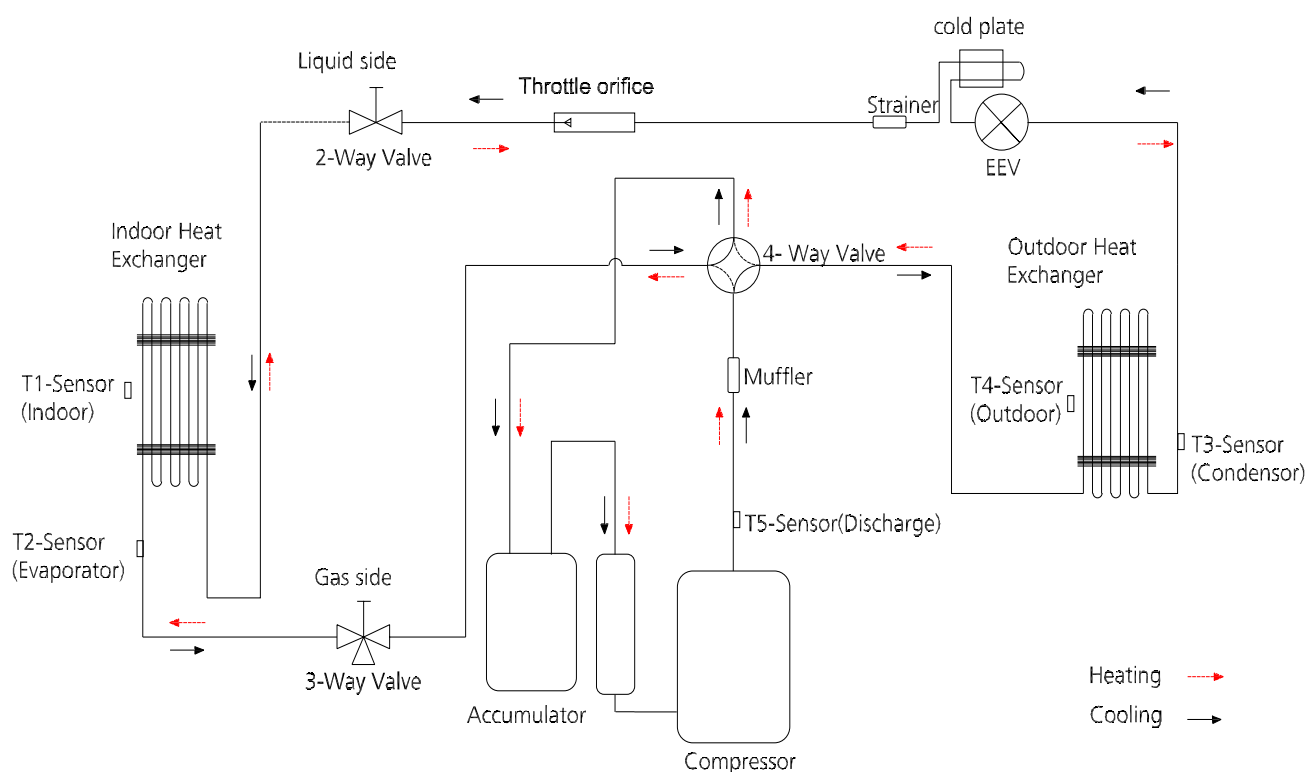
MOD30U-36HFN8-RRD0W(GA), MOE30U-48HFN8-RRD0W(GA), MOE30U-55HFN8-RRD0W(GA)



6. Refrigerant Cycle Diagrams

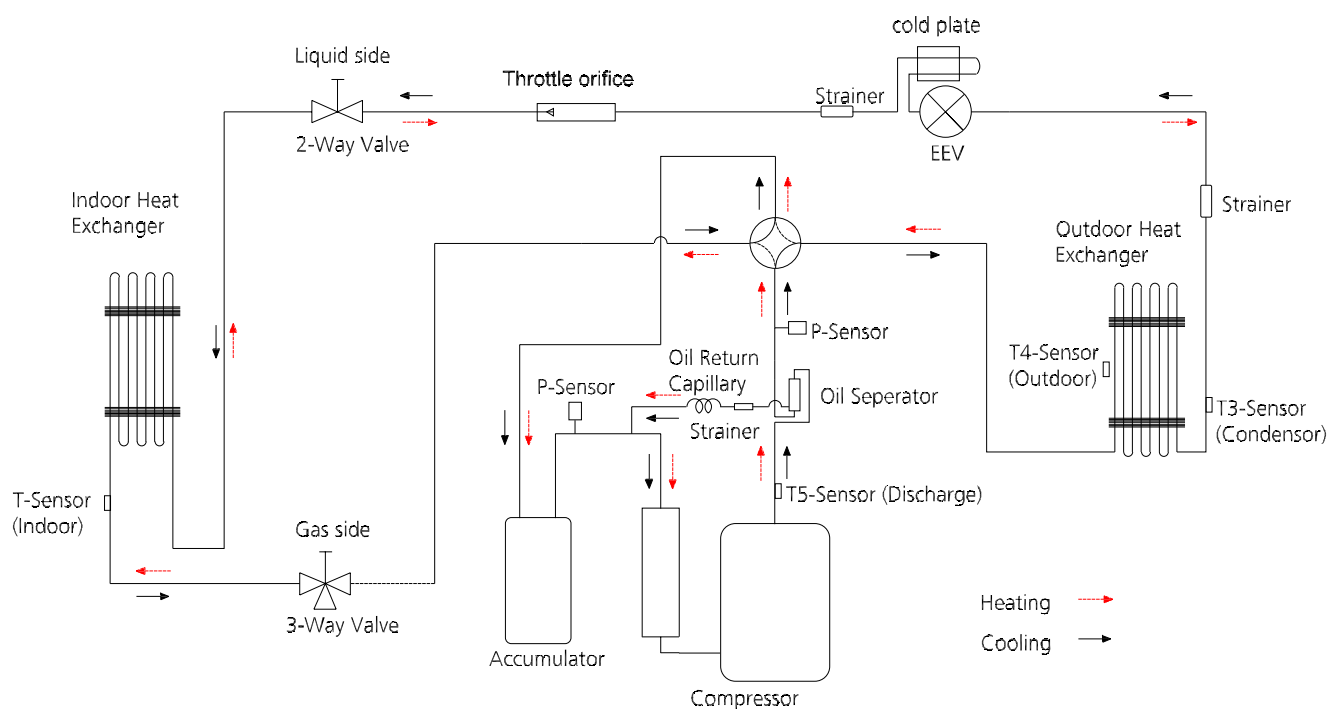


Model	Pipe Size (Diameter:ø) mm(inch)		Piping length (m/ft)		Elevation (m/ ft)		Additional Refrigerant
	Gas	Liquid	Rated	Max.	Rated	Max.	
MOX230-12HFN8-QRD0W(GA)	9.52(3/8)	6.35(1/4)	5/16.4	25/82	0	10/32.8	12g/m (0.13oz/ft)
MOX330U-18HFN8-QRD0W(GA)	12.7(1/2)	6.35(1/4)	5/16.4	30/98.4	0	20/65.6	



Model	Pipe Size (Diameter:ø) mm(inch)		Piping length (m/ft)		Elevation (m/ft)		Additional Refrigerant
	Gas	Liquid	Rated	Max.	Rated	Max.	
MOX430U-24HFN8-QRD0W(GA)	15.9(5/8)	9.52(3/8)	5/16.4	50/164	0	25/82	24g/m (0.26oz/ft)
MOD30U-30HFN8-QRD0W(GA)	15.9(5/8)	9.52(3/8)	5/16.4	50/164	0	25/82	

There is no accumulator for model MOD30U-30HFN8-QRD0W(GA).



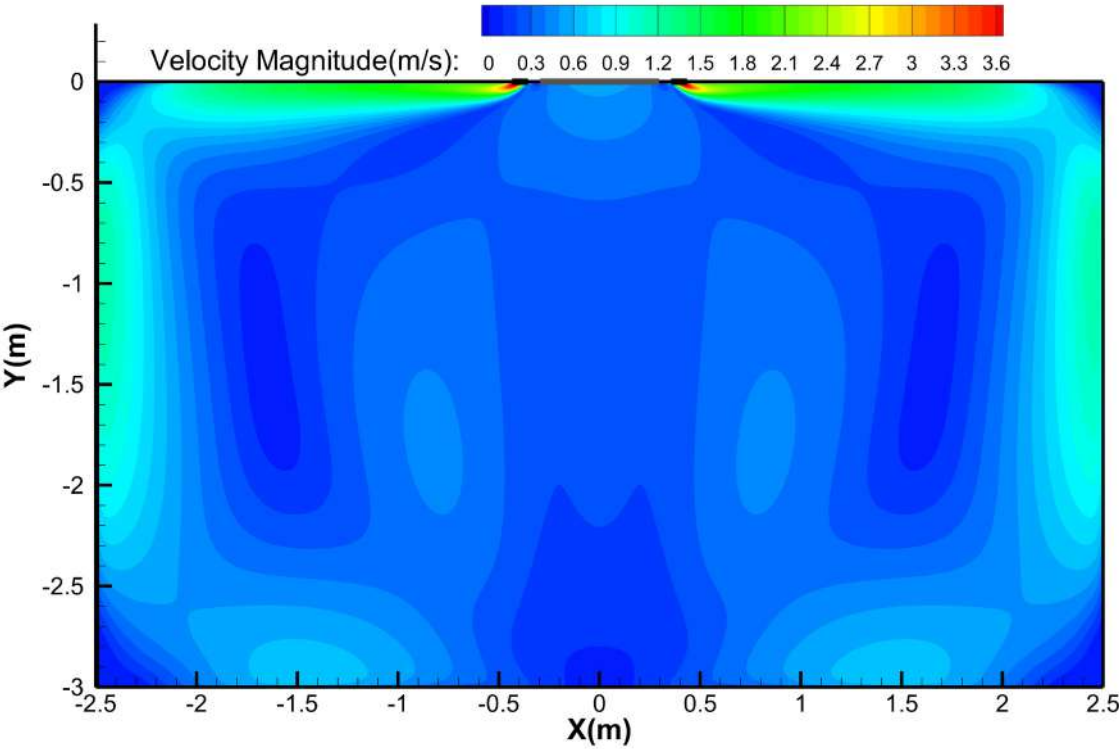
Model	Pipe Size (Diameter:ø) mm(inch)		Piping length (m/ft)		Elevation (m/ft)		Additional Refrigerant
	Gas	Liquid	Rated	Max.	Rated	Max.	
MOD30U-36HFN8-QRD0W(GA)	15.9(5/8)	9.52(3/8)	5/16.4	75/246.1	0	30/98.4	24g/m (0.26oz/ft)
MOD30U-36HFN8-RRD0W(GA)	15.9(5/8)	9.52(3/8)					
MOD30U-42HFN8-QRD0W(GA)	15.9(5/8)	9.52(3/8)					
MOE30U-48HFN8-RRD0W(GA)	15.9(5/8)	9.52(3/8)					
MOE30U-55HFN8-RRD0W(GA)	15.9(5/8)	9.52(3/8)					

7. Air Velocity and Temperature Distributions

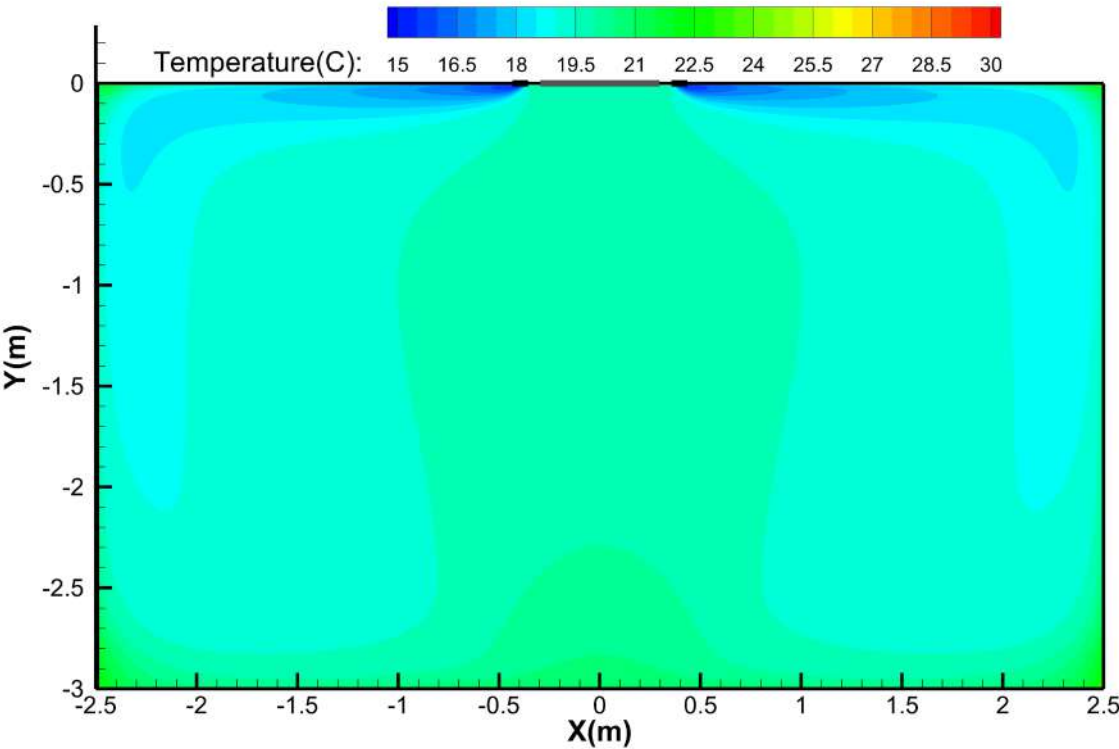
12K

Discharge Angle 30°

Cooling airflow velocity distributions

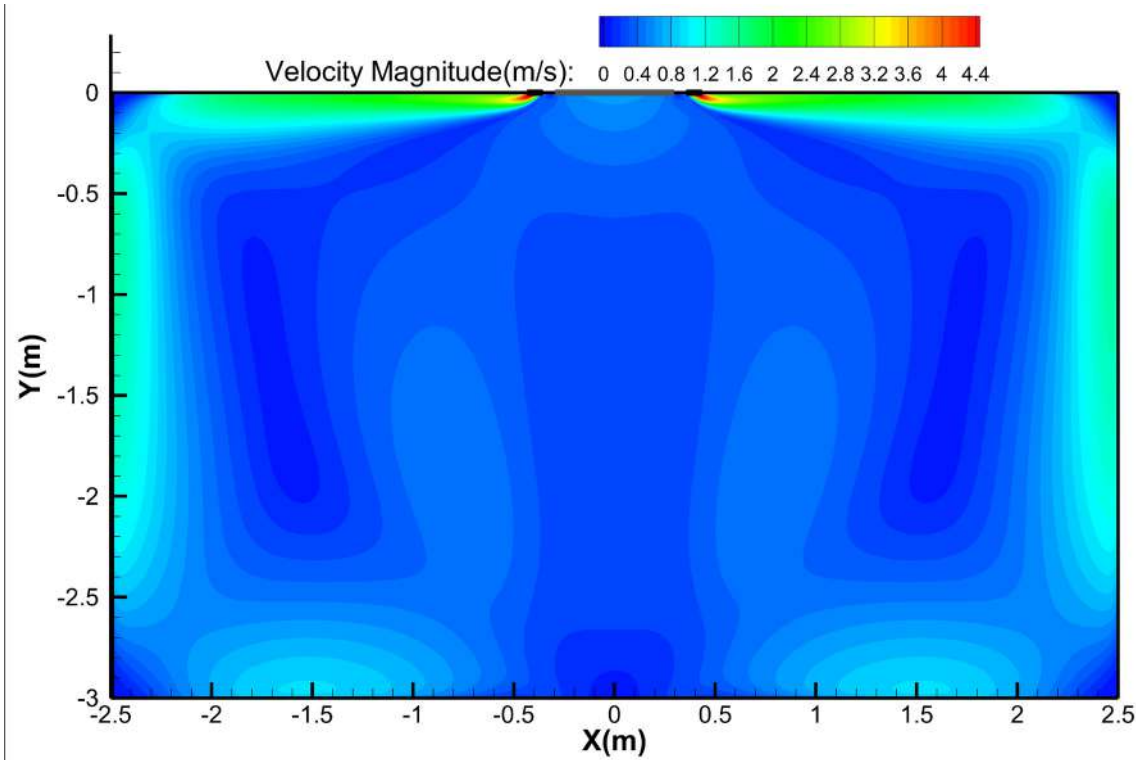


Cooling temperature distributions



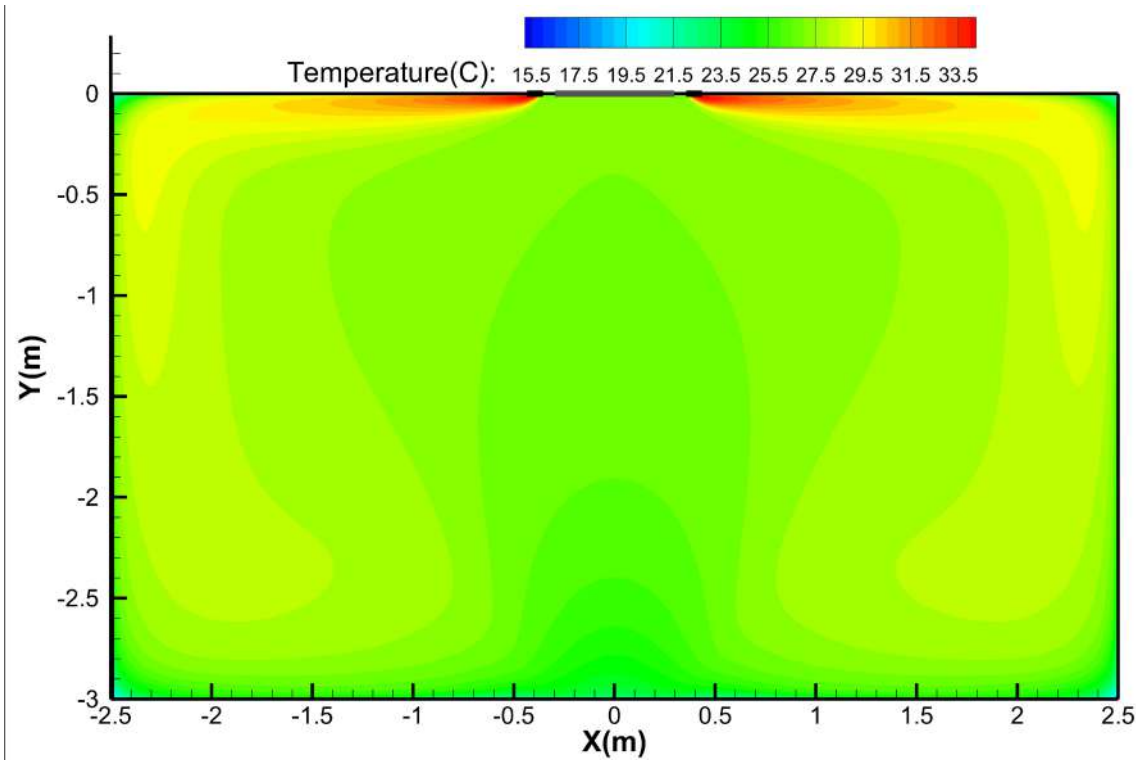
12K

Heating airflow velocity distributions



Specifications

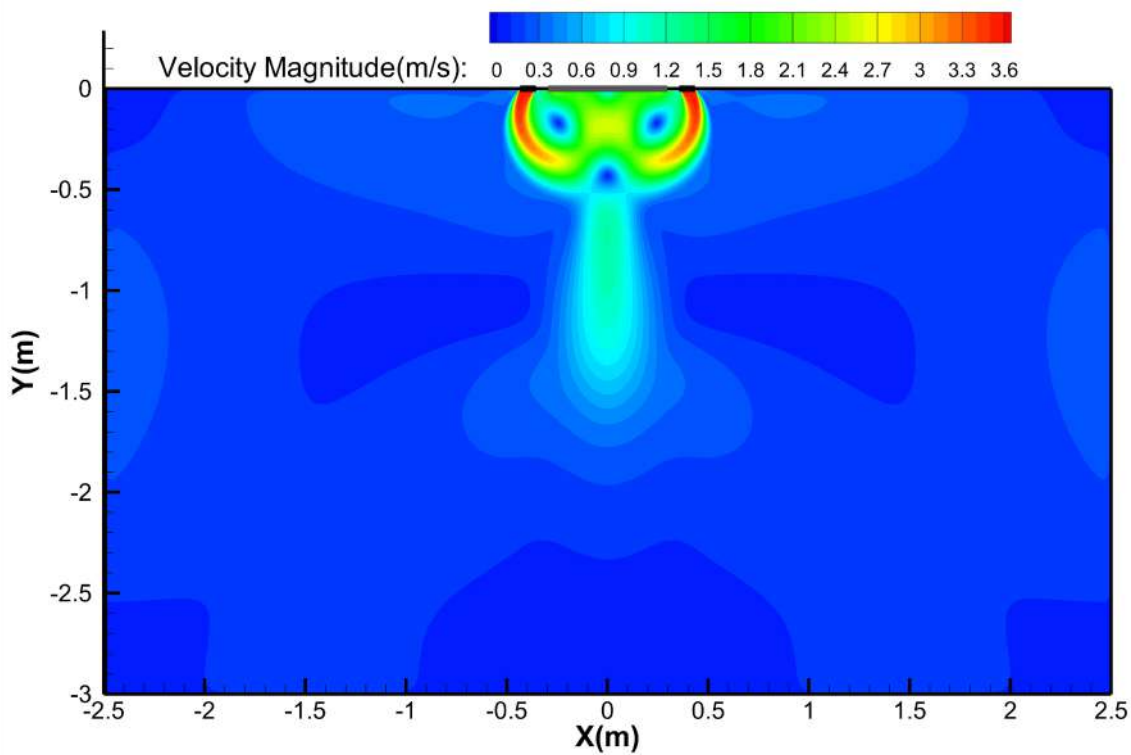
Heating temperature distributions



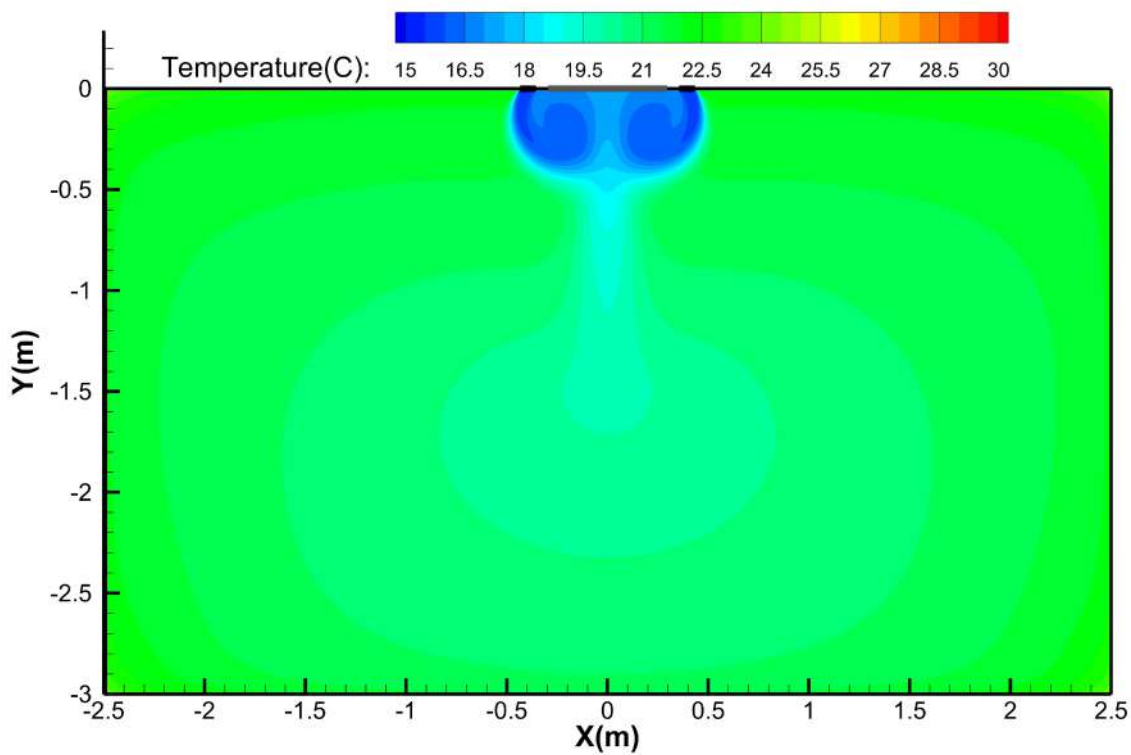
12K

Discharge Angle 60°

Cooling airflow velocity distributions

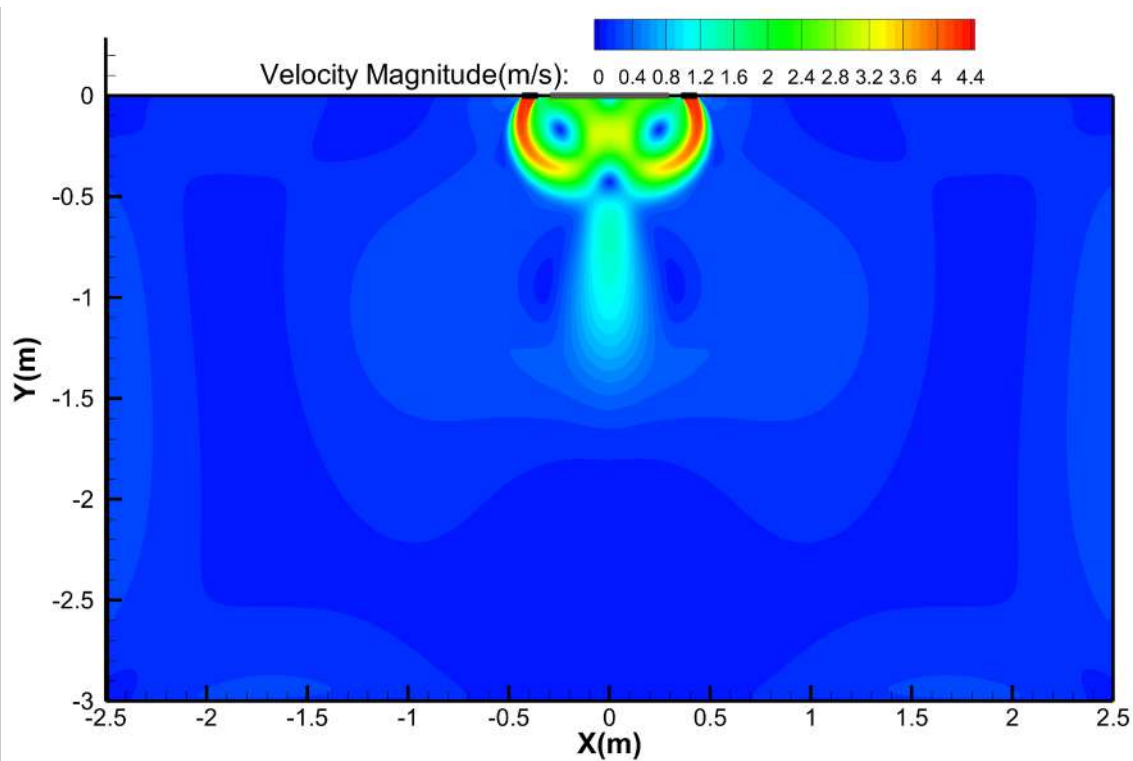


Cooling temperature distributions



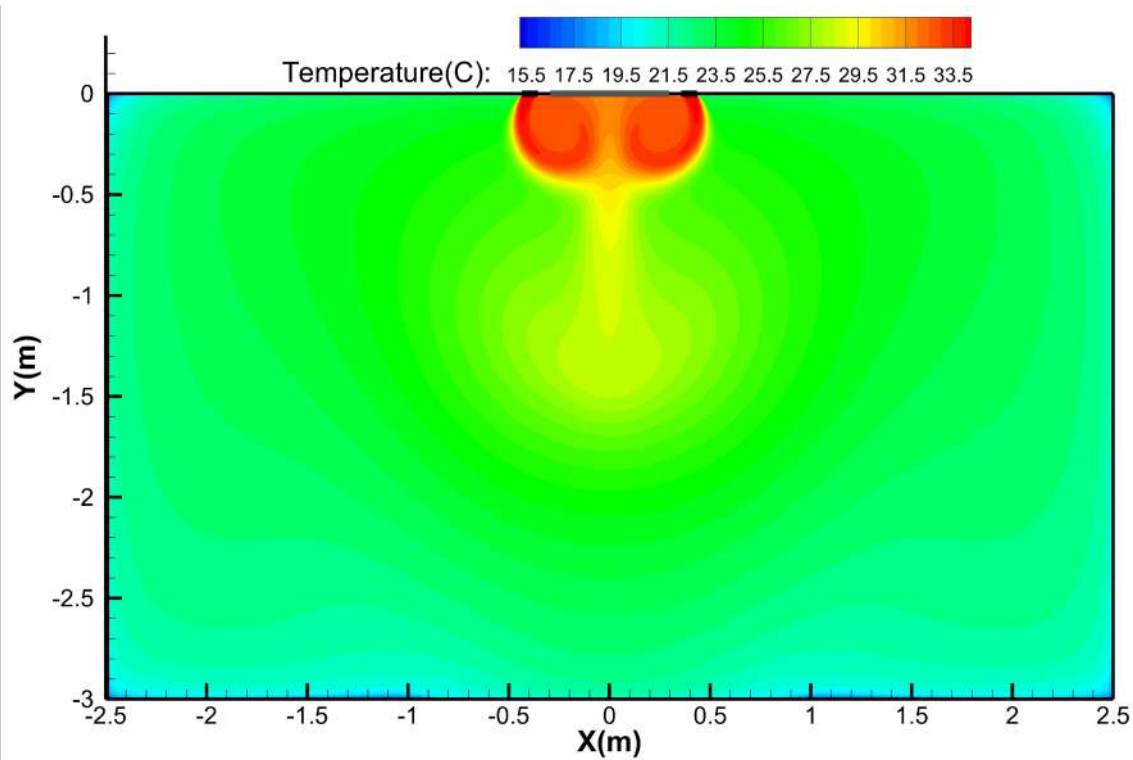
12K

Heating airflow velocity distributions



Specifications

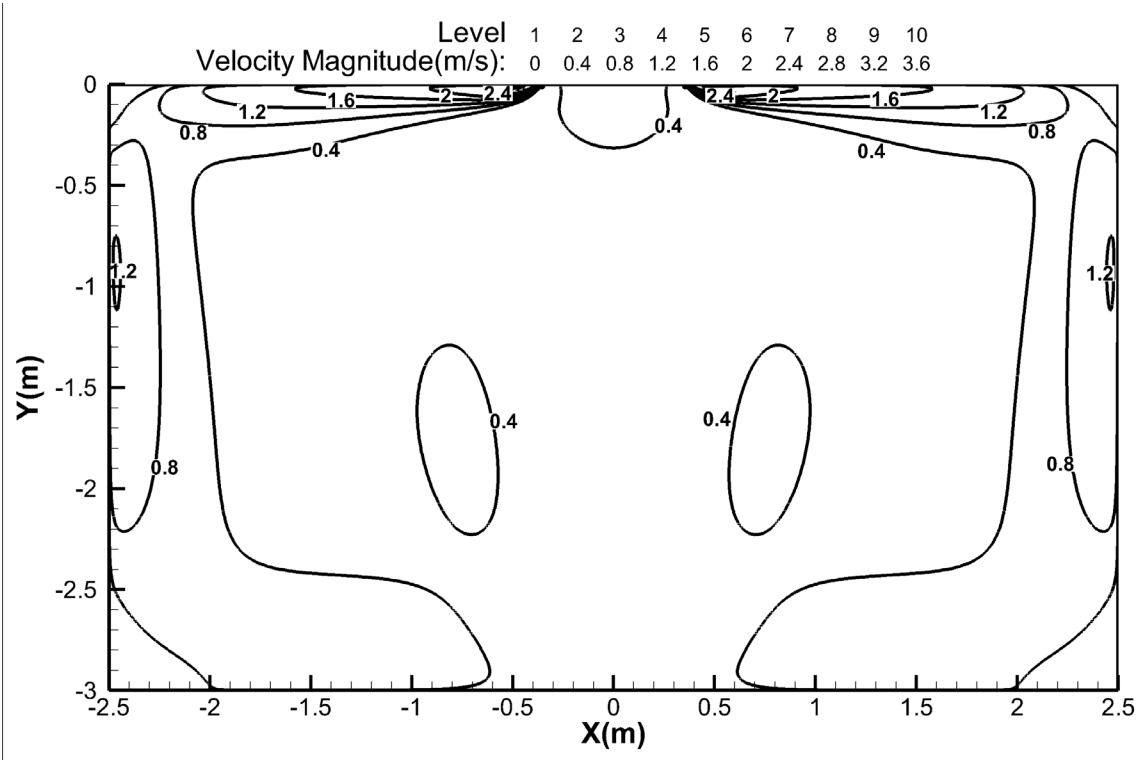
Heating temperature distributions



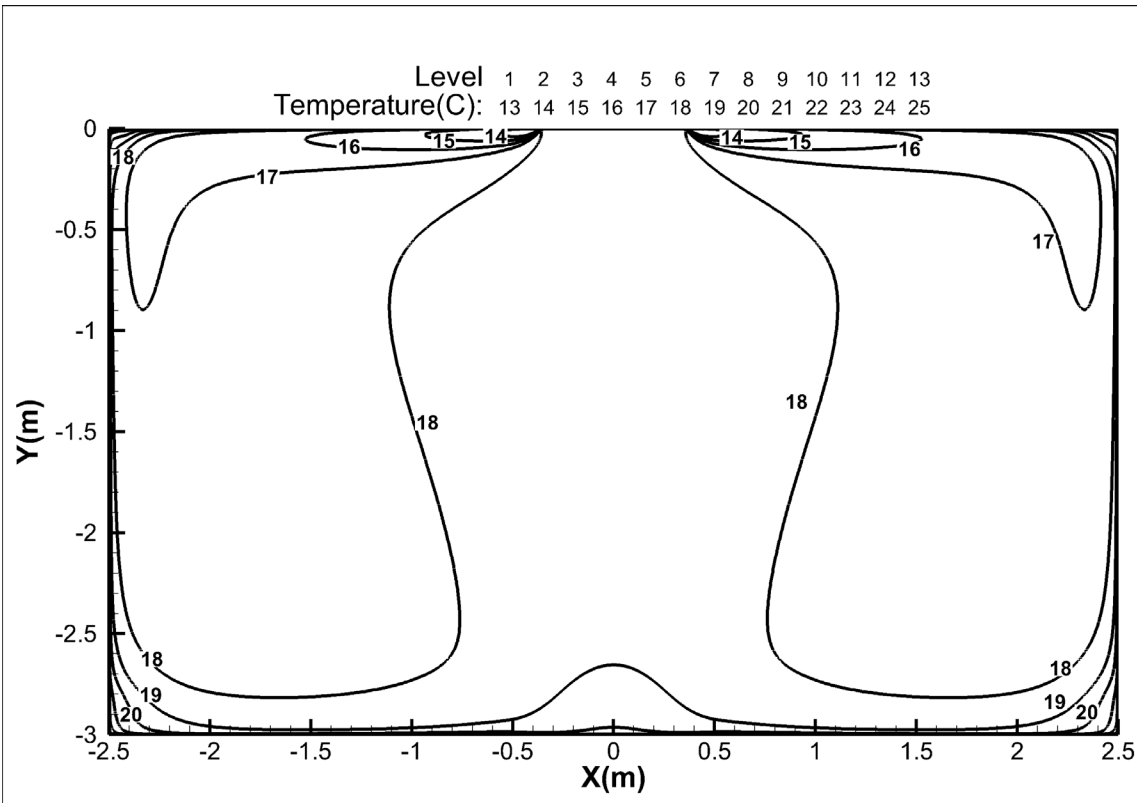
18K

Discharge Angle 30°

Cooling airflow velocity distributions

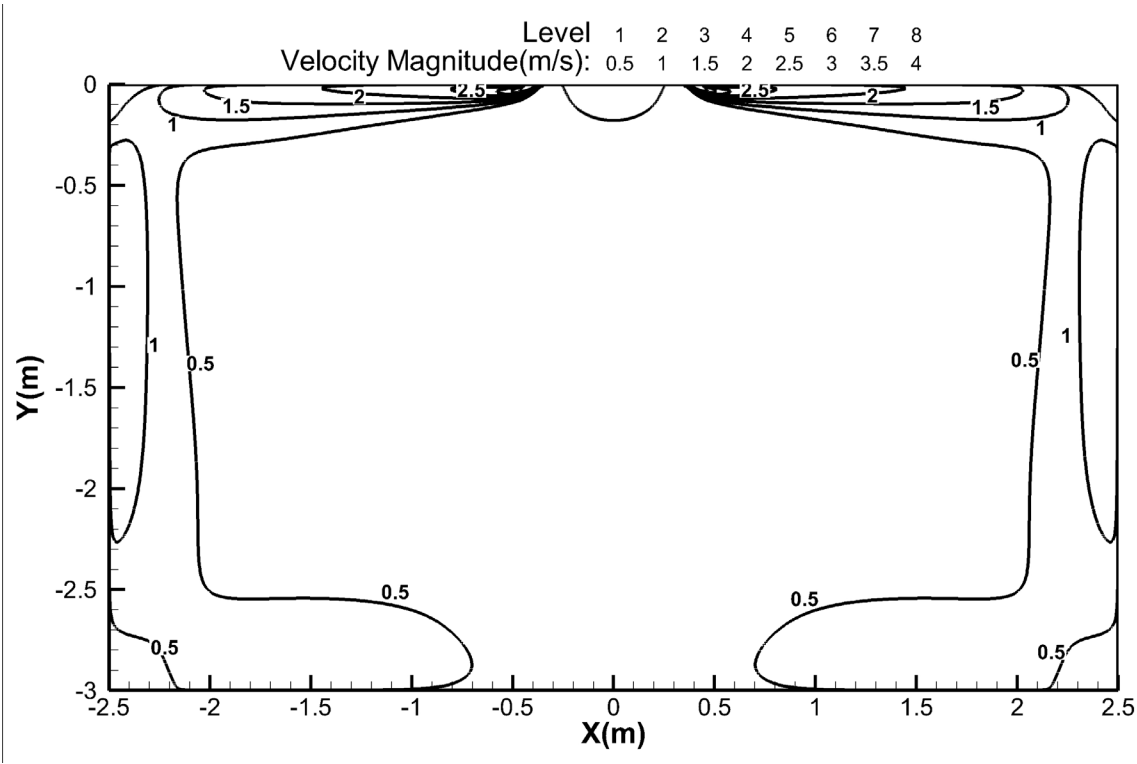


Cooling temperature distributions

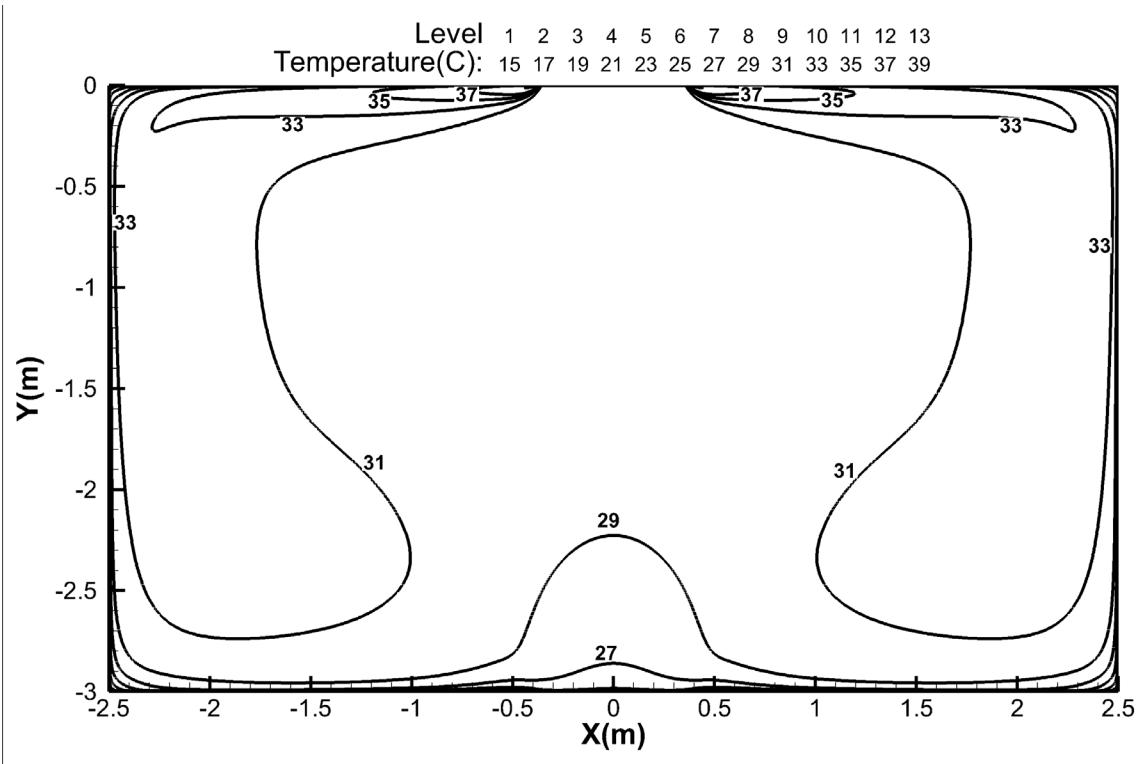


18K

Heating airflow velocity distributions



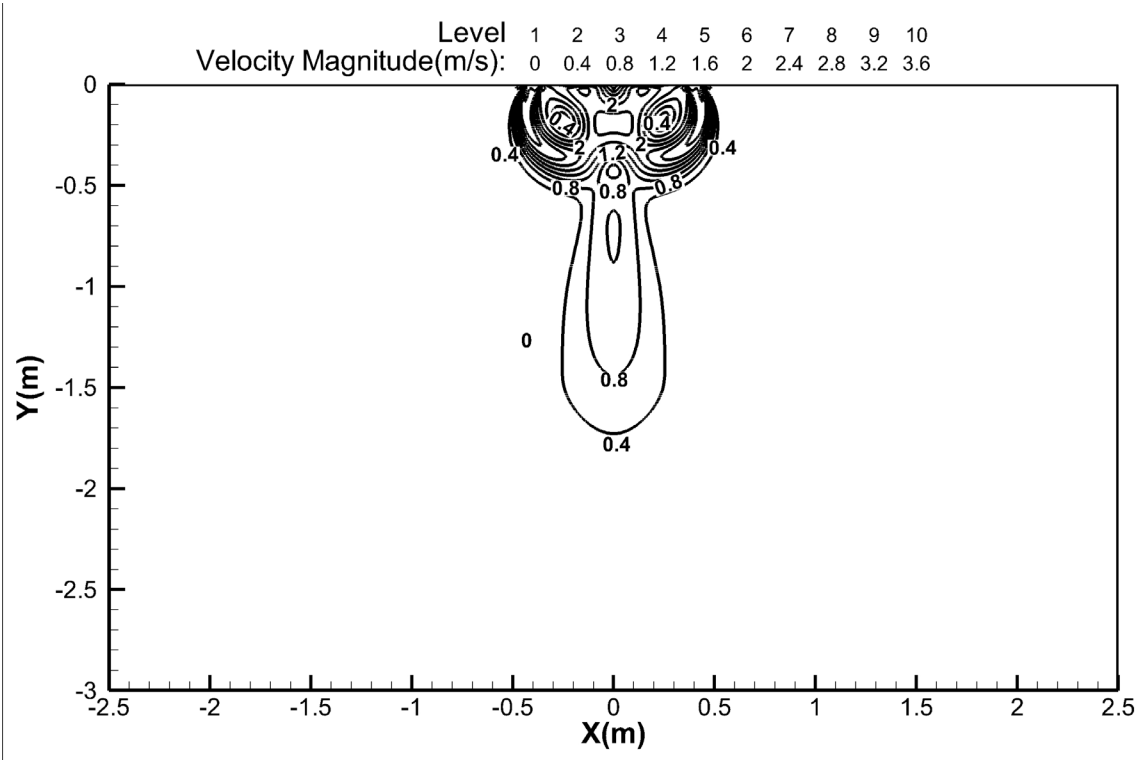
Heating temperature distributions



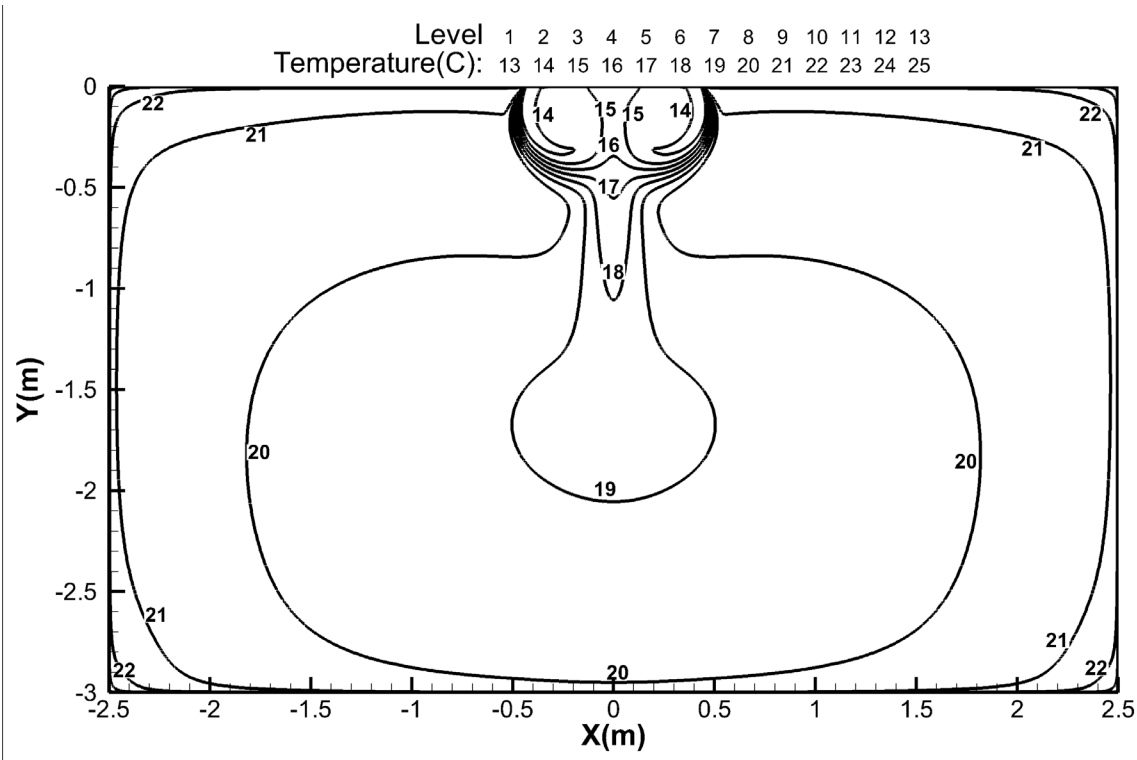
18K

Discharge Angle 60°

Cooling airflow velocity distributions

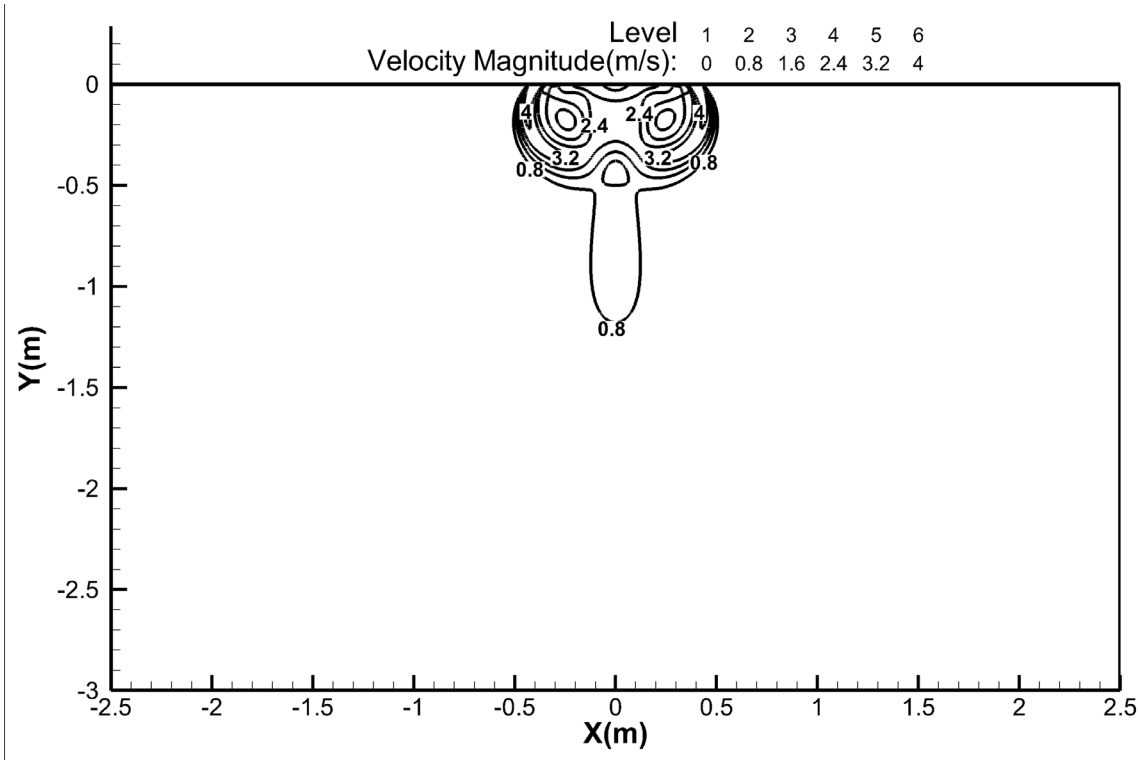


Cooling temperature distributions

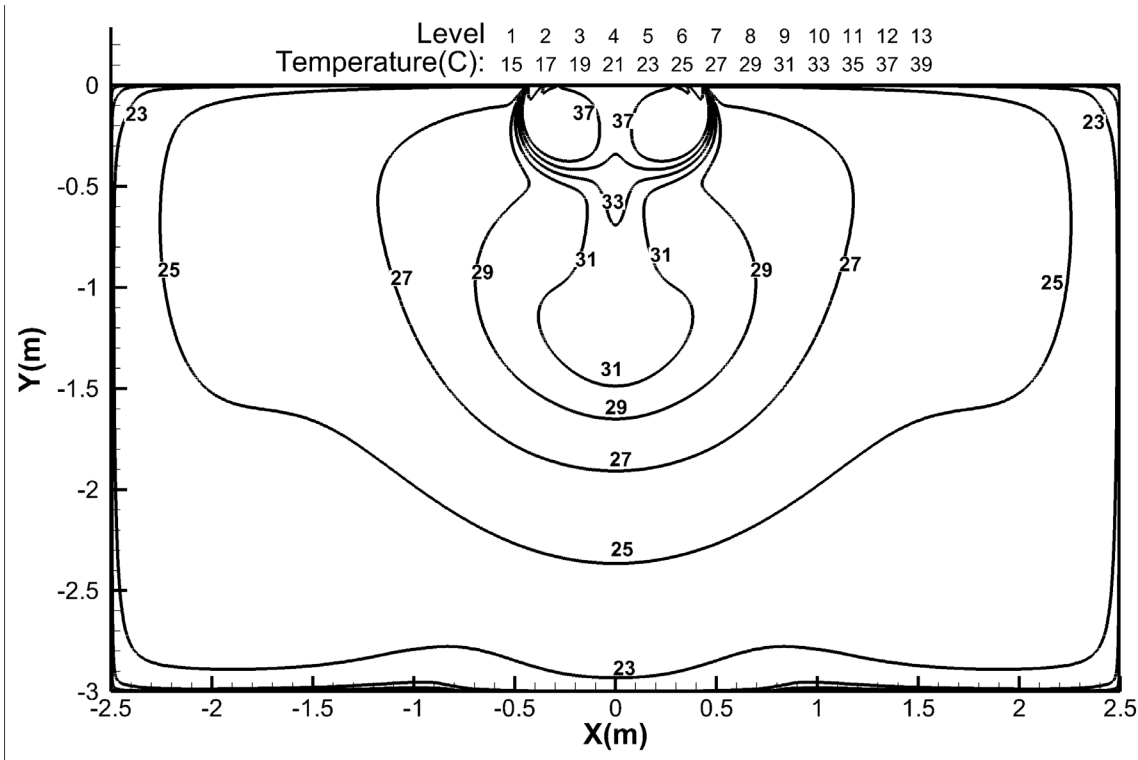


18K

Heating airflow velocity distributions



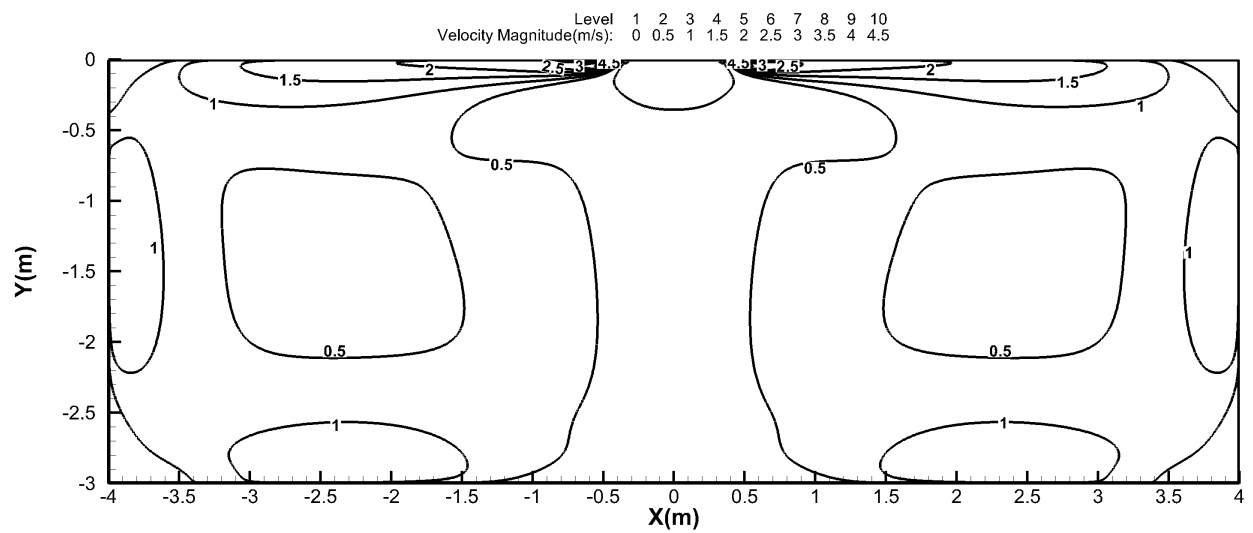
Heating temperature distributions



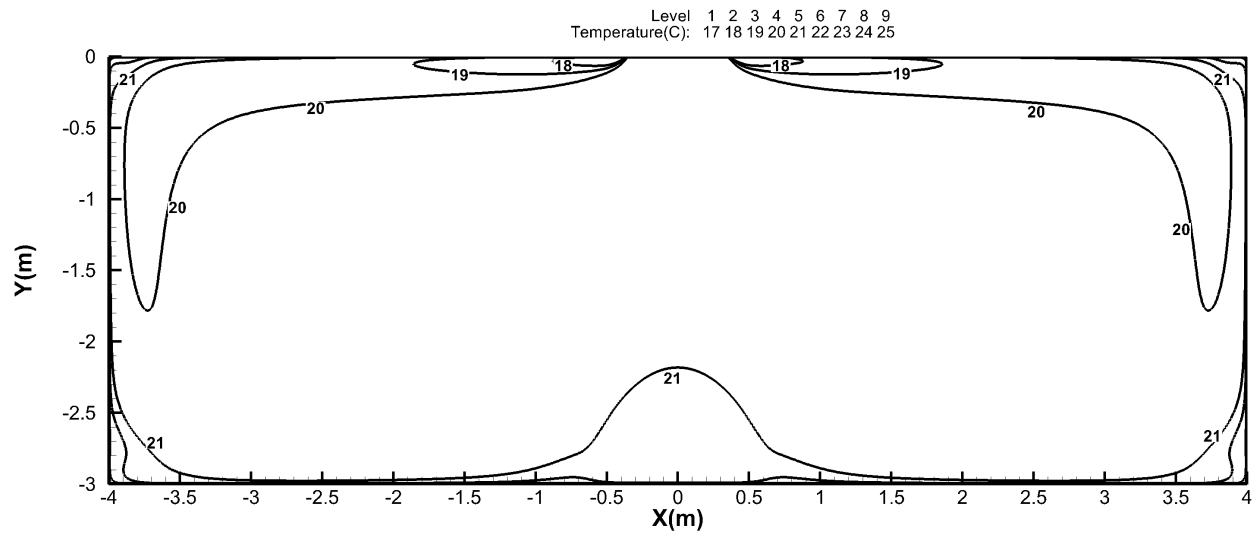
24K

Discharge Angle 30°

Cooling airflow velocity distributions



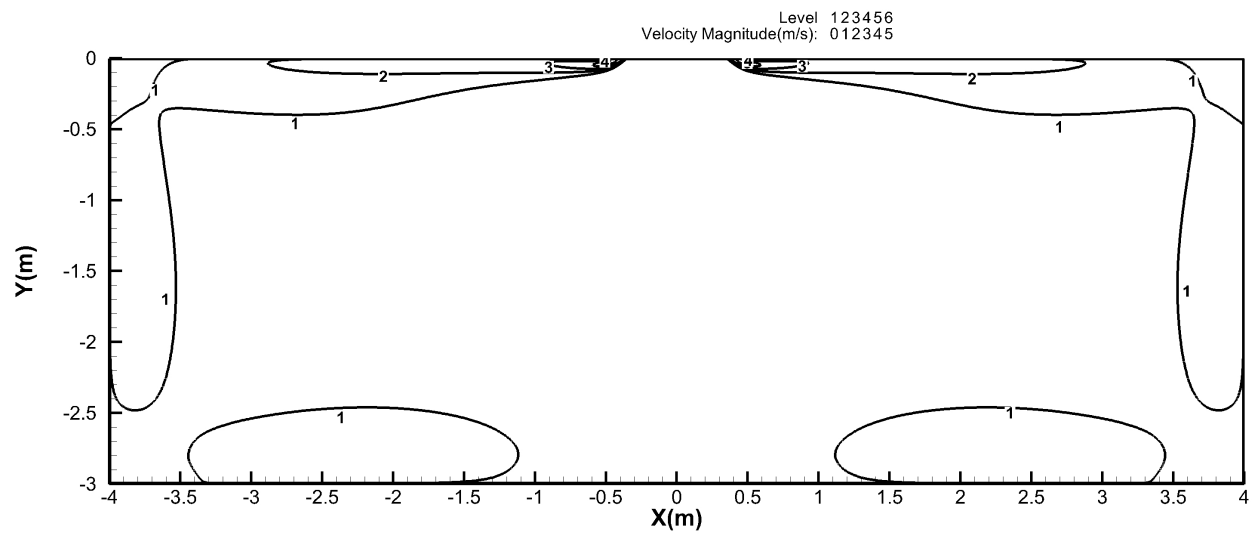
Cooling temperature distributions



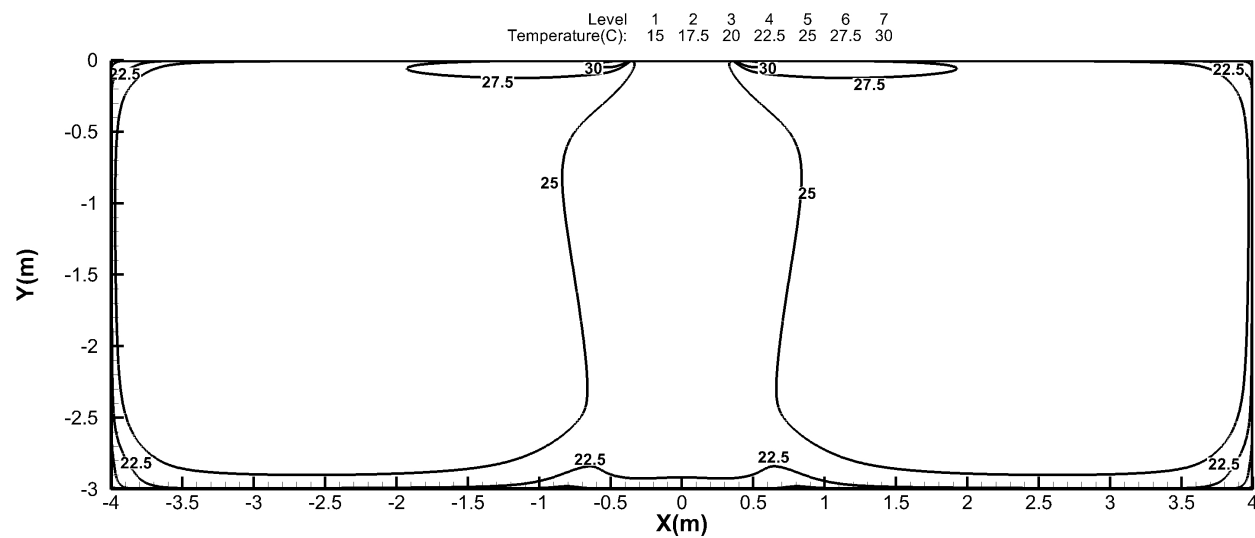
24K

Discharge Angle 30°

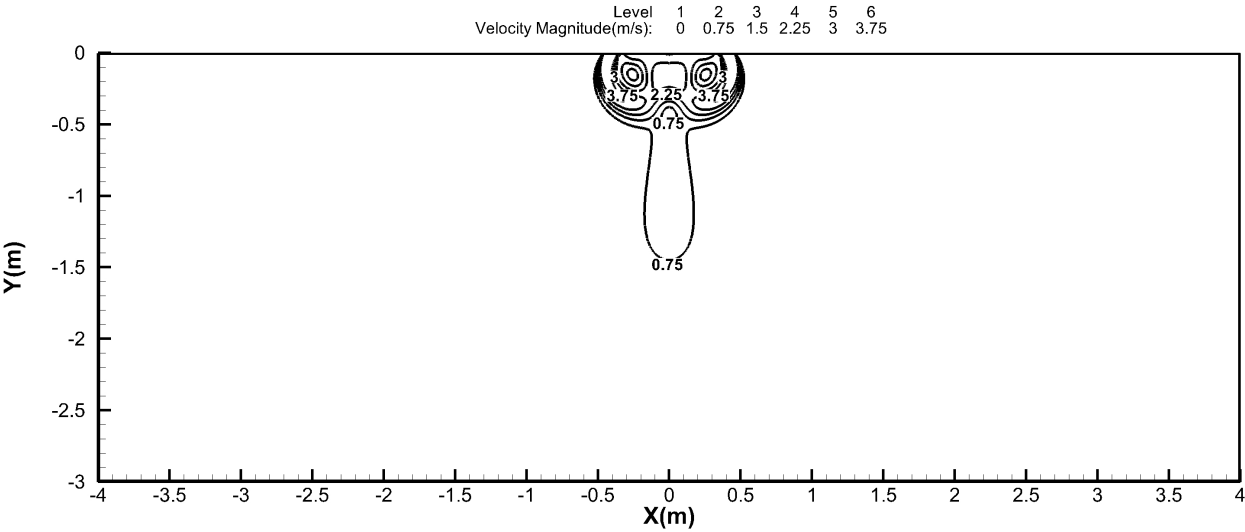
Heating airflow velocity distributions



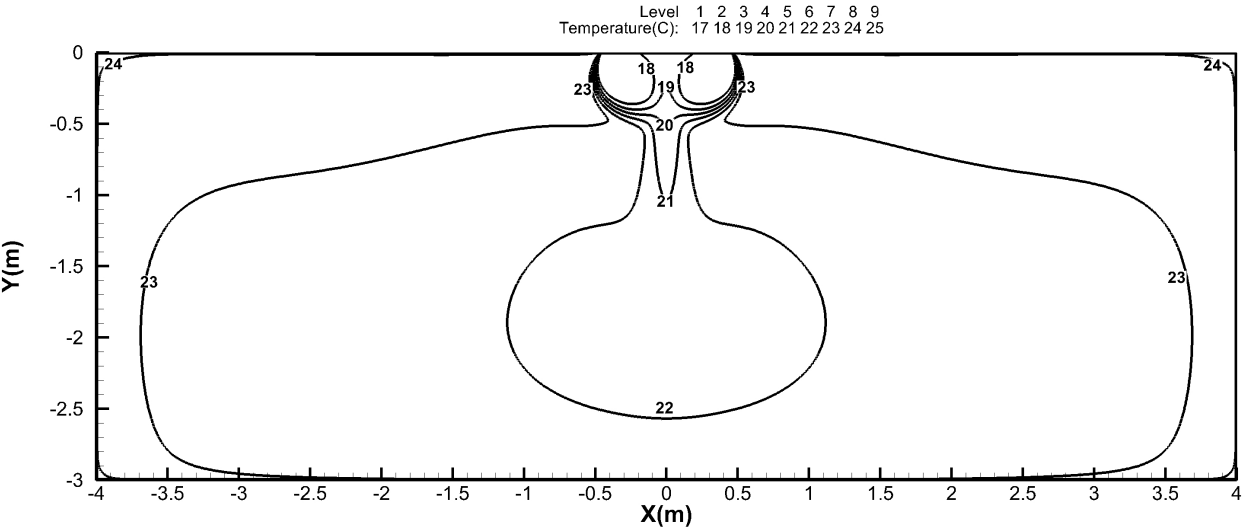
Heating temperature distributions



24K
Discharge Angle 60°
Cooling airflow velocity distributions



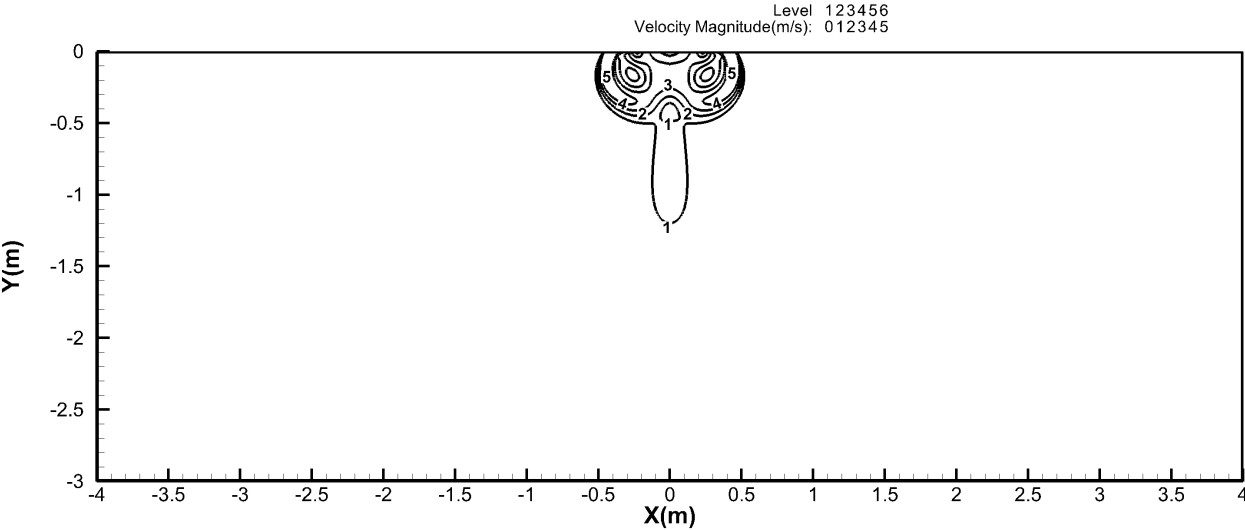
Cooling temperature distributions



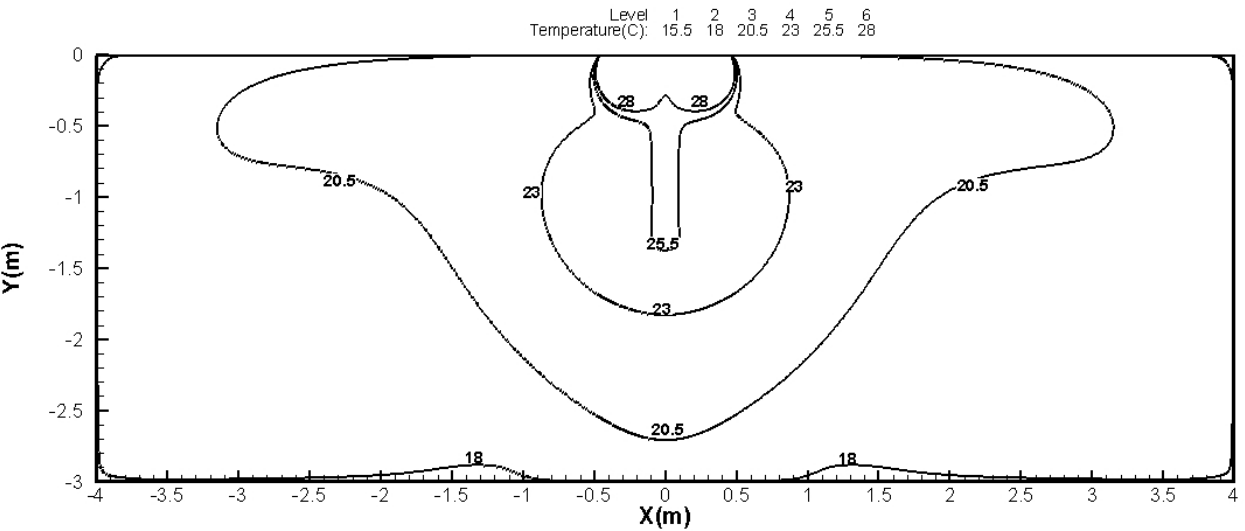
24K

Discharge Angle 60°

Heating airflow velocity distributions



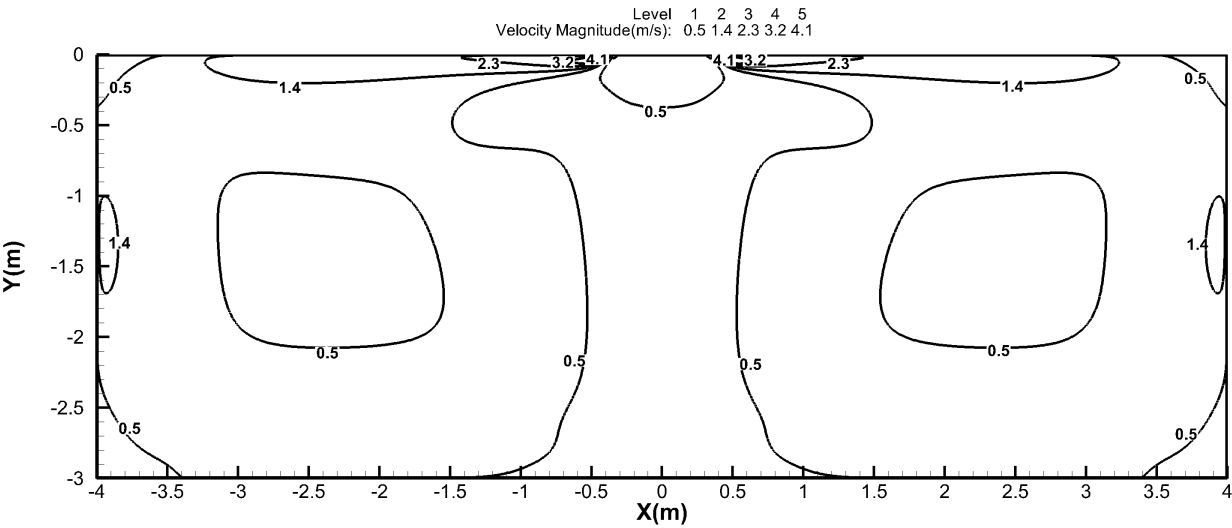
Heating temperature distributions



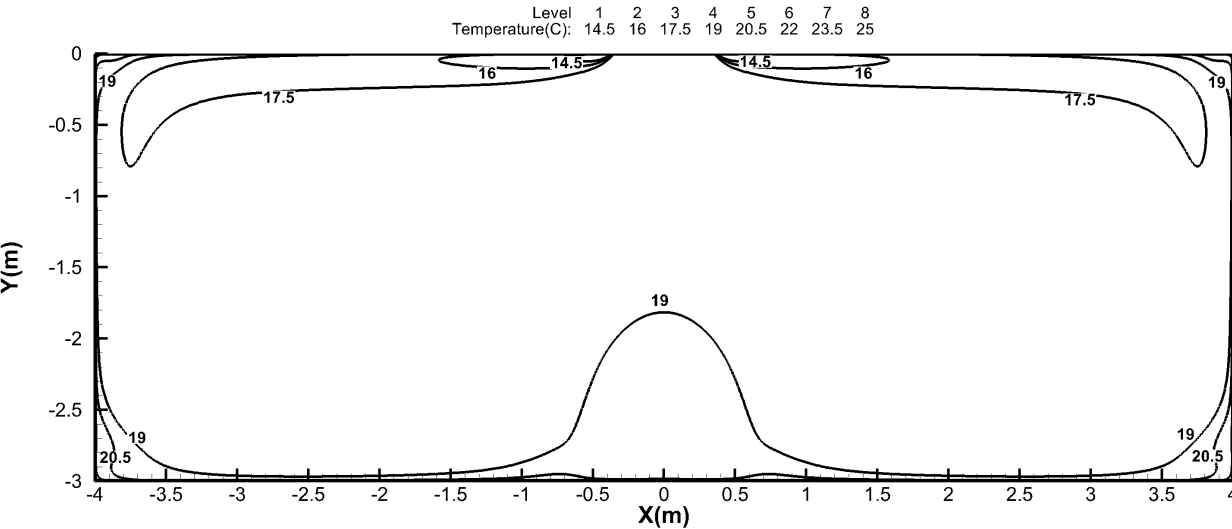
36K

Discharge Angle 30°

Cooling airflow velocity distributions



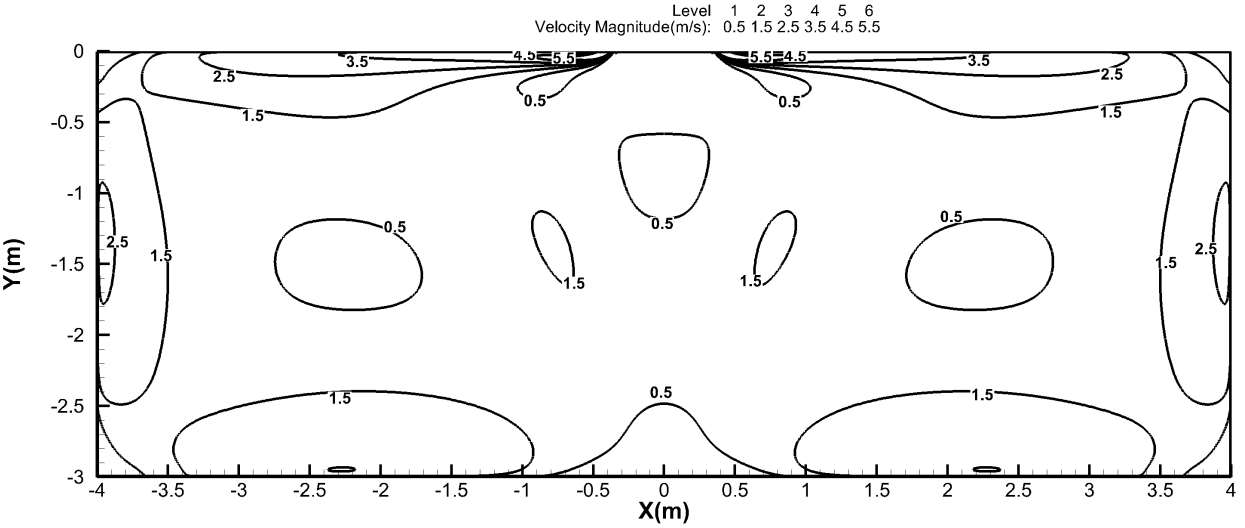
Cooling temperature distributions



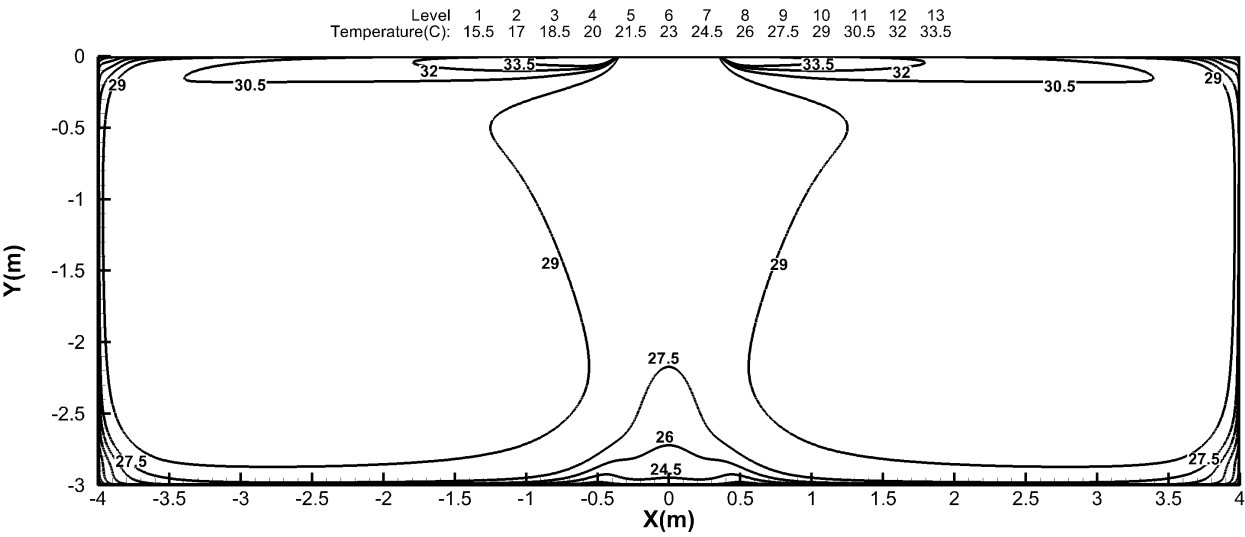
36K

Discharge Angle 30°

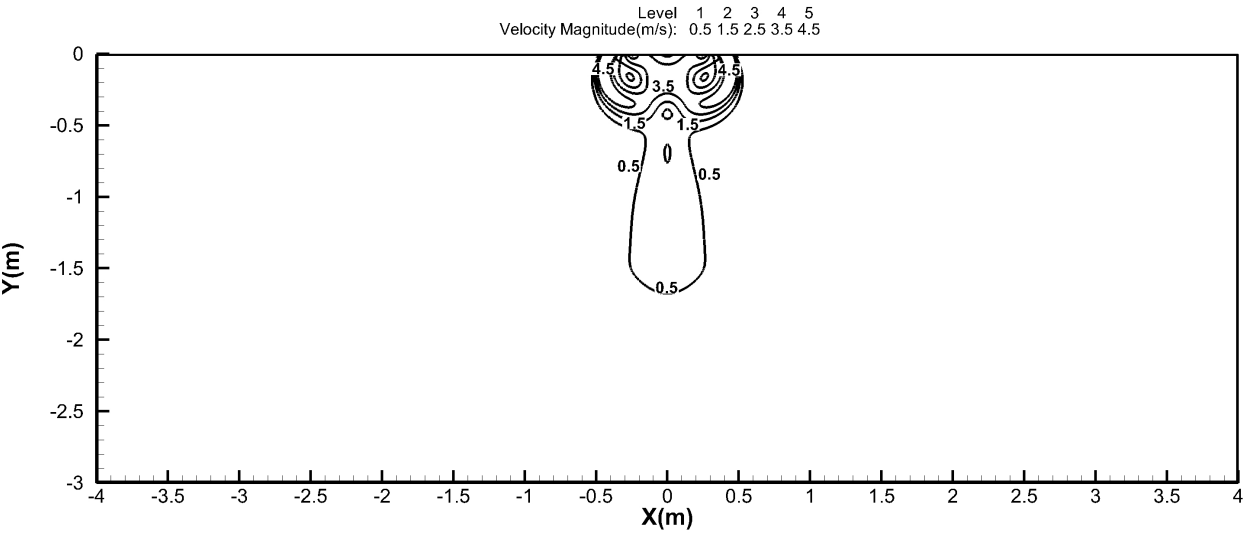
Heating airflow velocity distributions



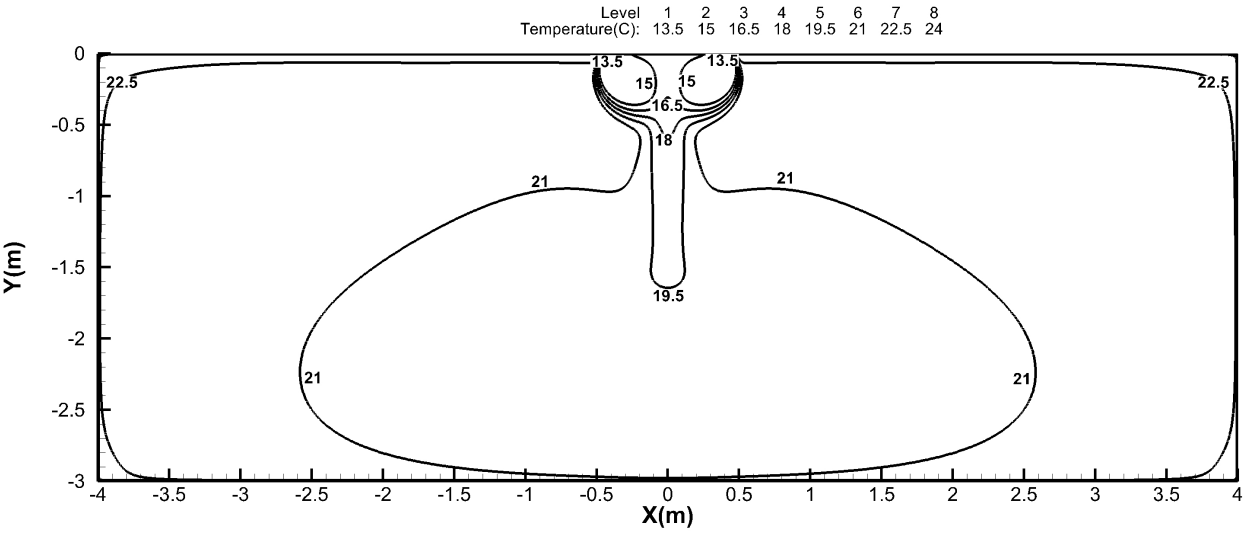
Heating temperature distributions



36K
Discharge Angle 60°
Cooling airflow velocity distributions



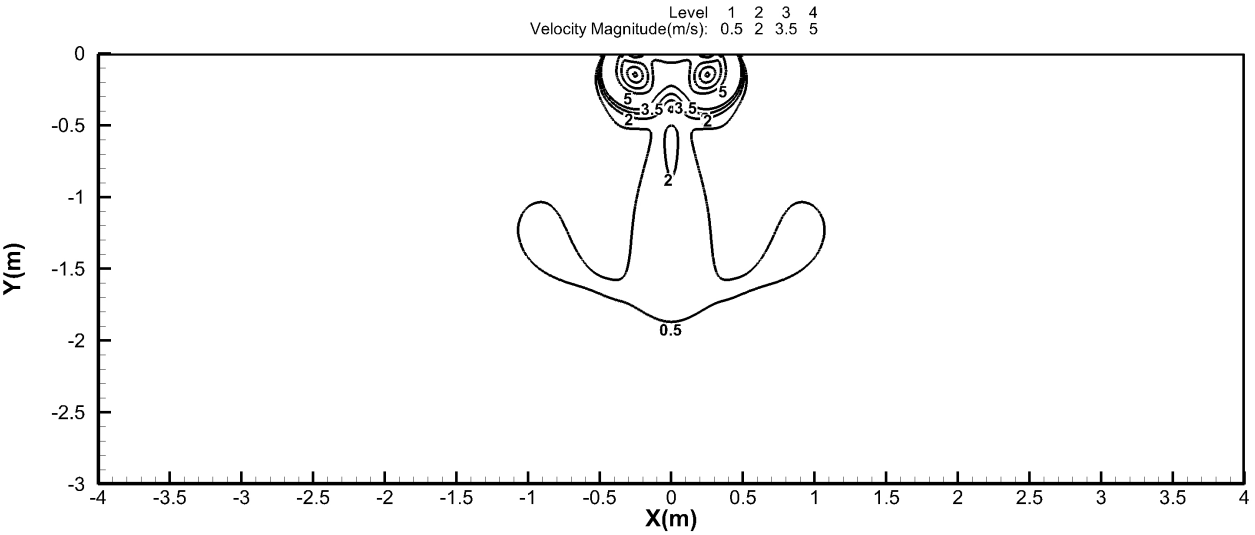
Cooling temperature distributions



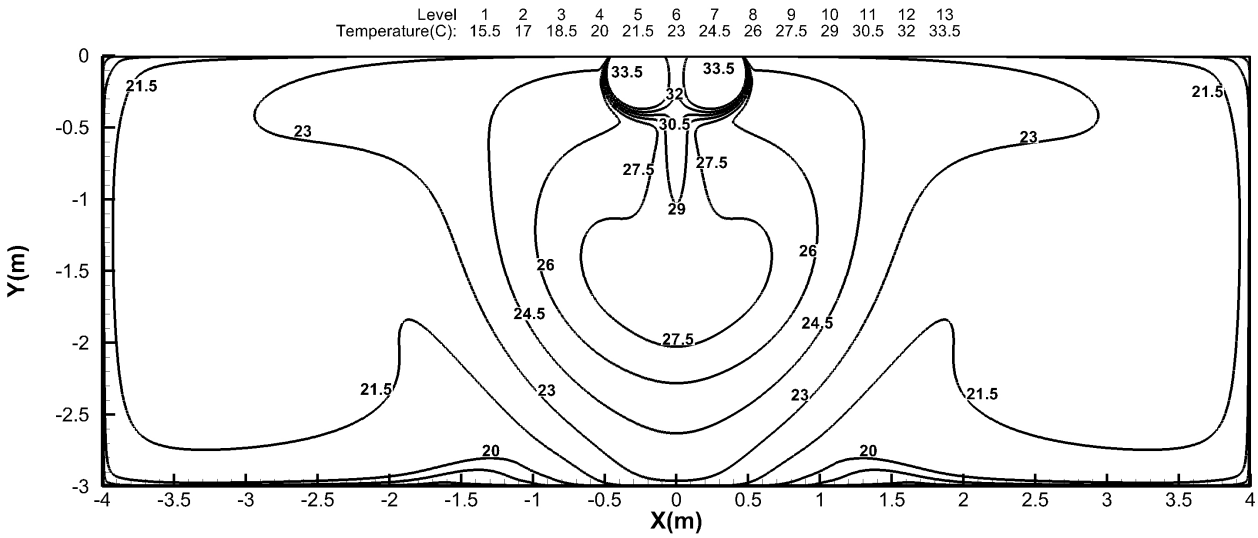
36K

Discharge Angle 60°

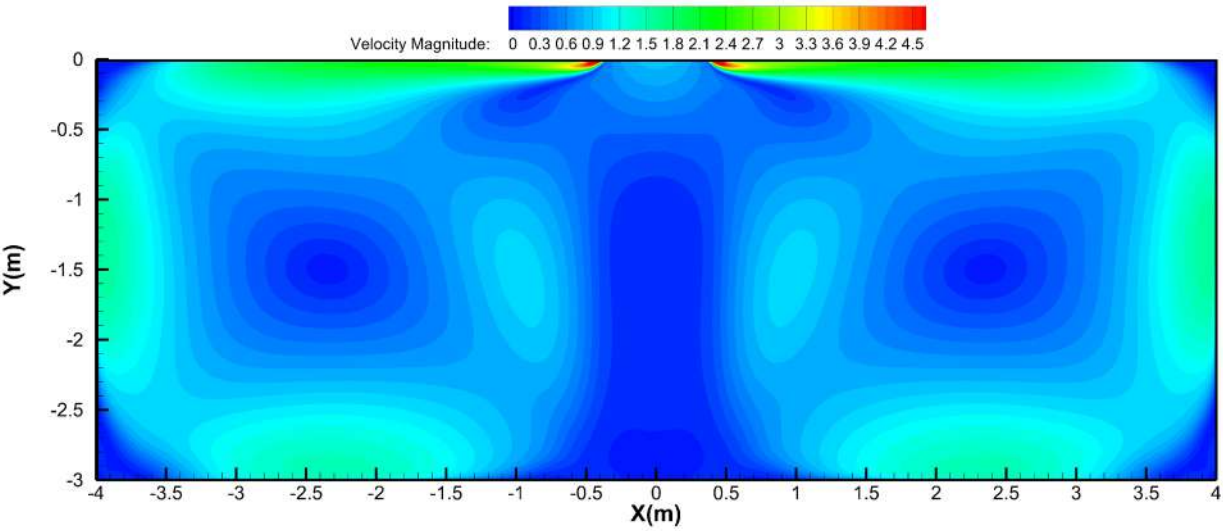
Heating airflow velocity distributions



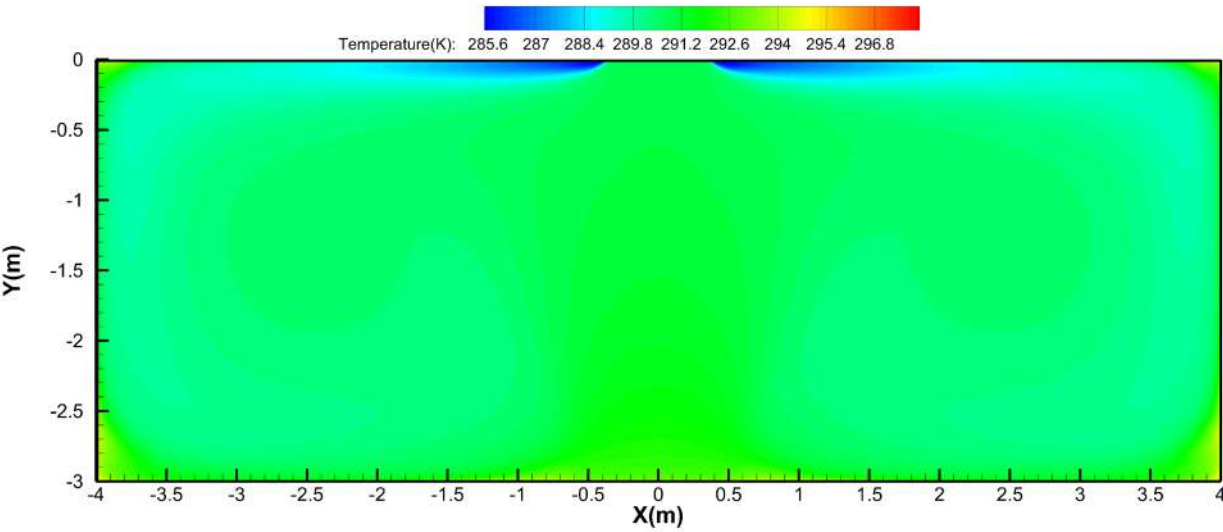
Heating temperature distributions



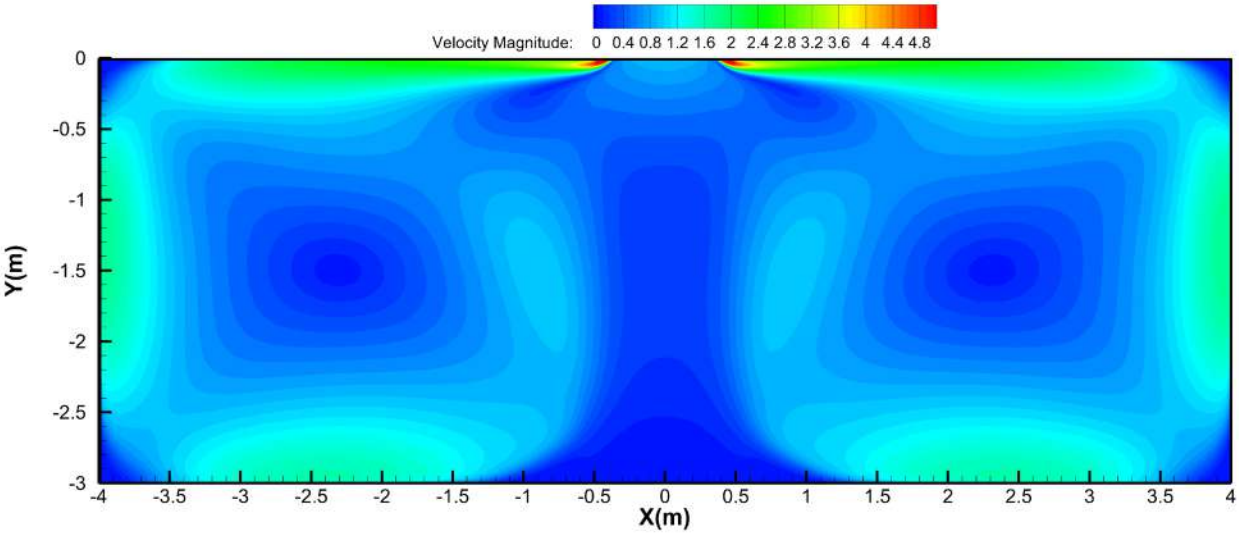
48k
Discharge Angle 30°
Cooling airflow velocity distributions



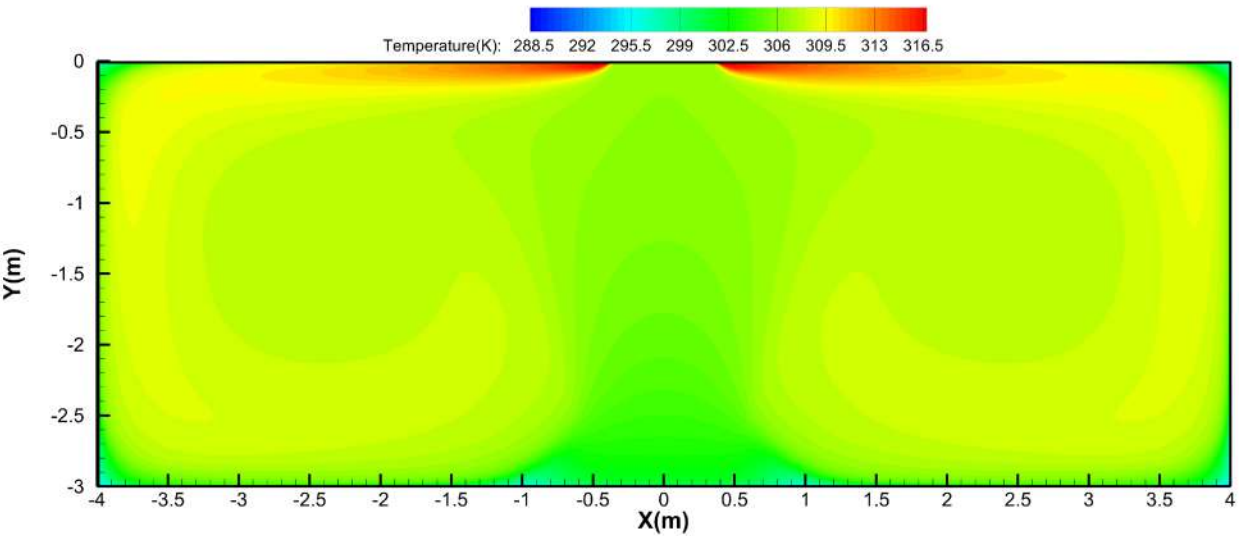
Cooling temperature distributions



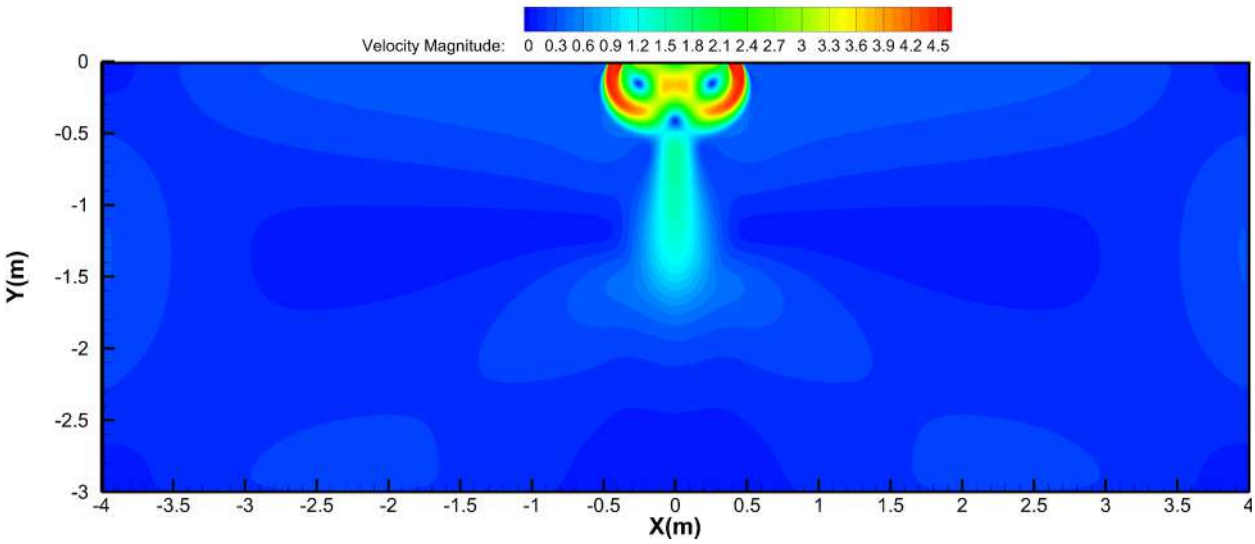
48k
Discharge Angle 30°
Heating airflow velocity distributions



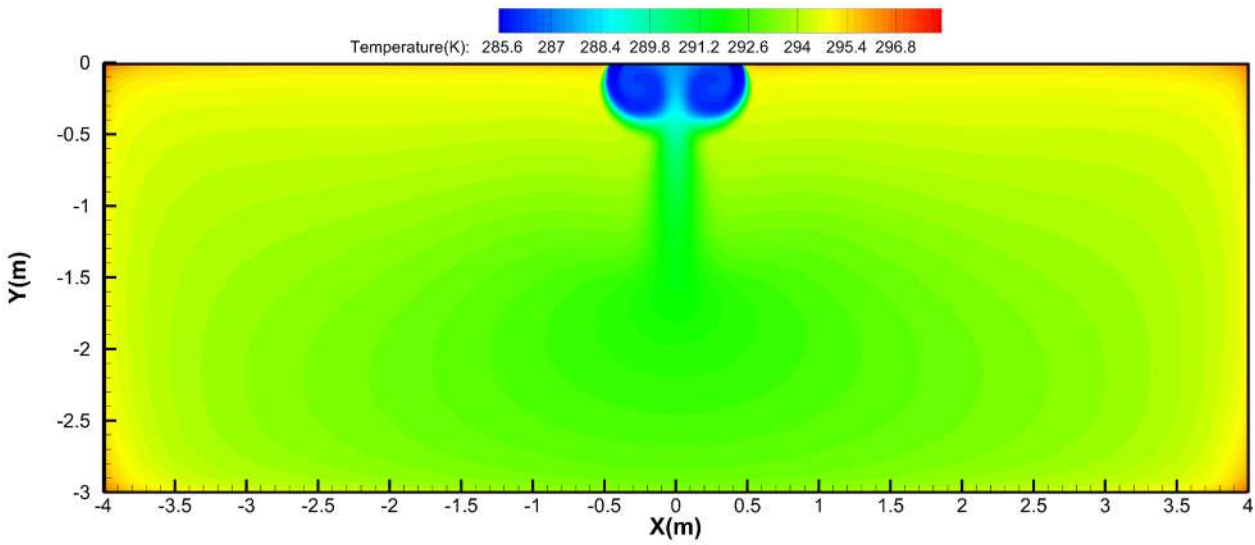
Heating temperature distributions



48k
Discharge Angle 60°
Cooling airflow velocity distributions



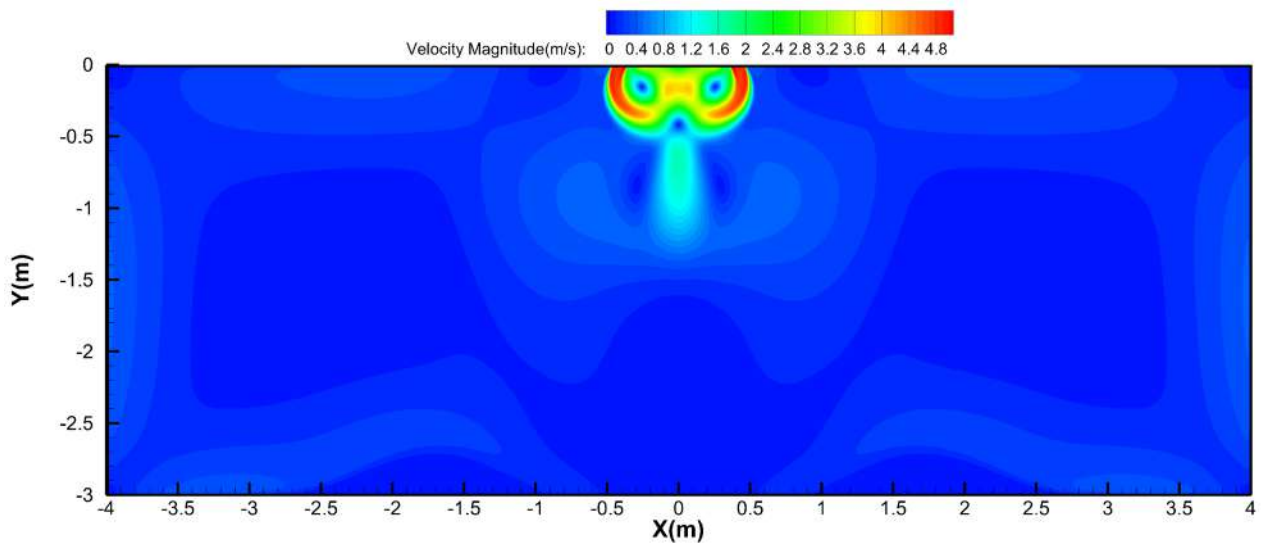
Cooling temperature distributions



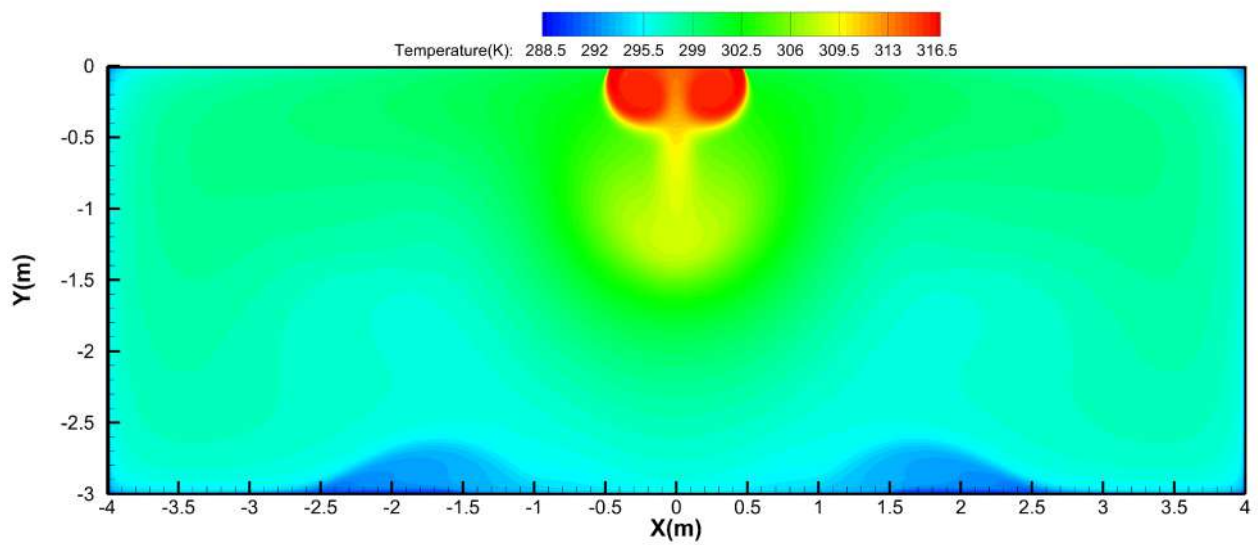
48k

Discharge Angle 60°

Heating airflow velocity distributions



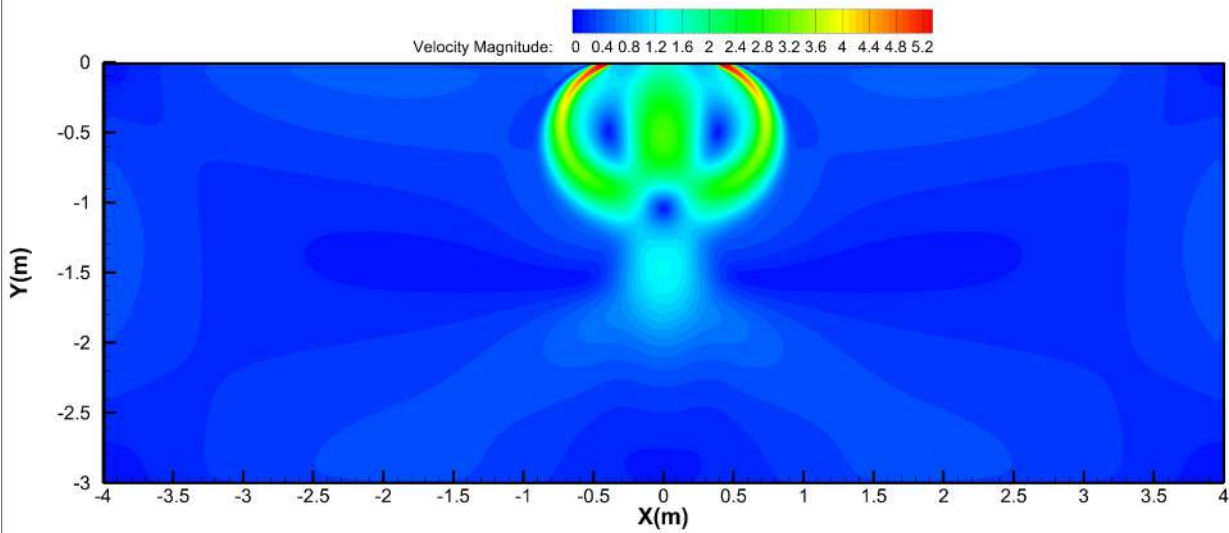
Heating temperature distributions



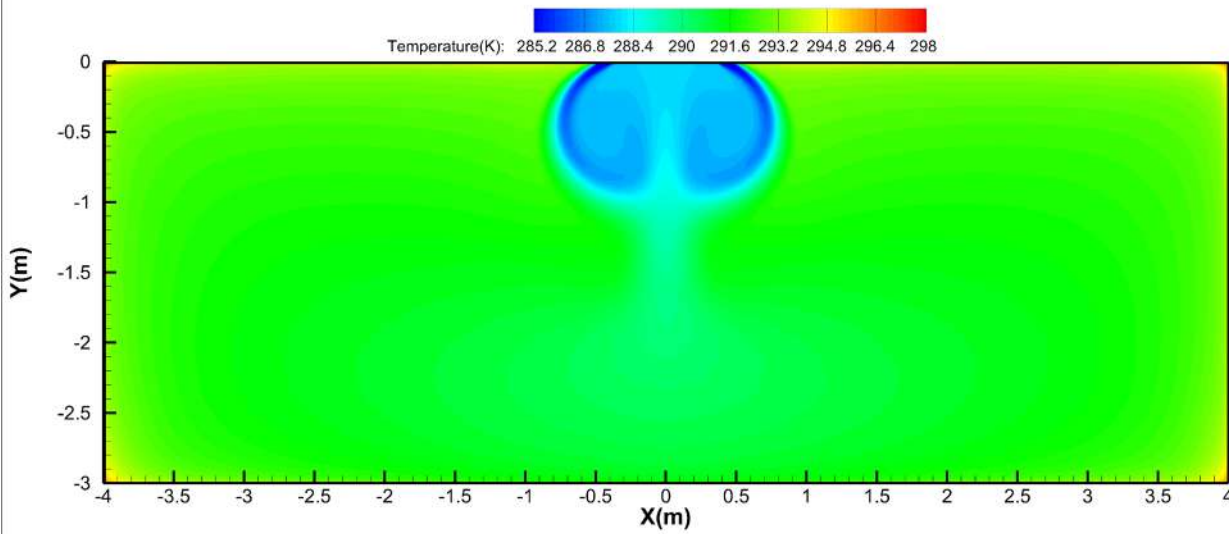
55K

Discharge Angle 30°

Cooling airflow velocity distributions



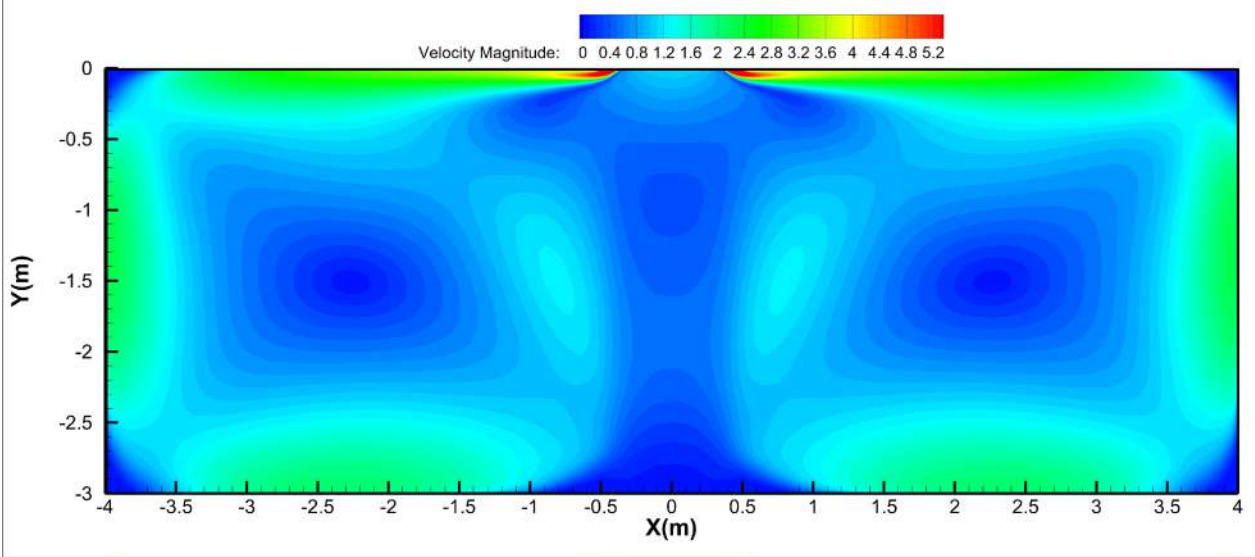
Cooling temperature distributions



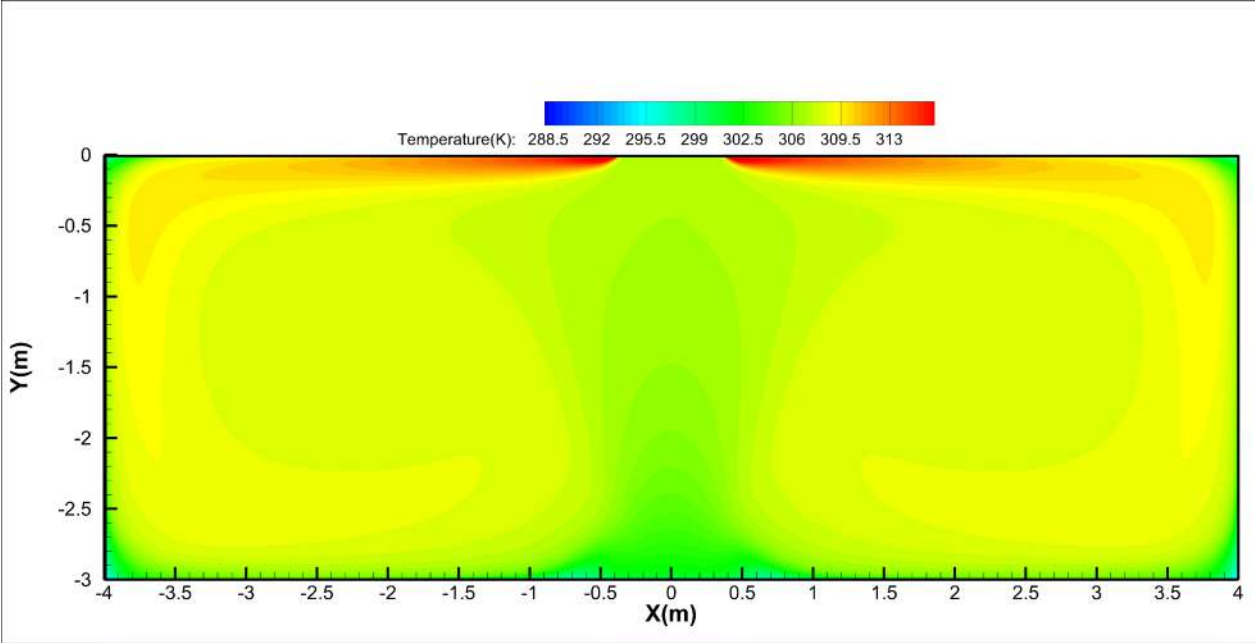
55K

Discharge Angle 30°

Heating airflow velocity distributions



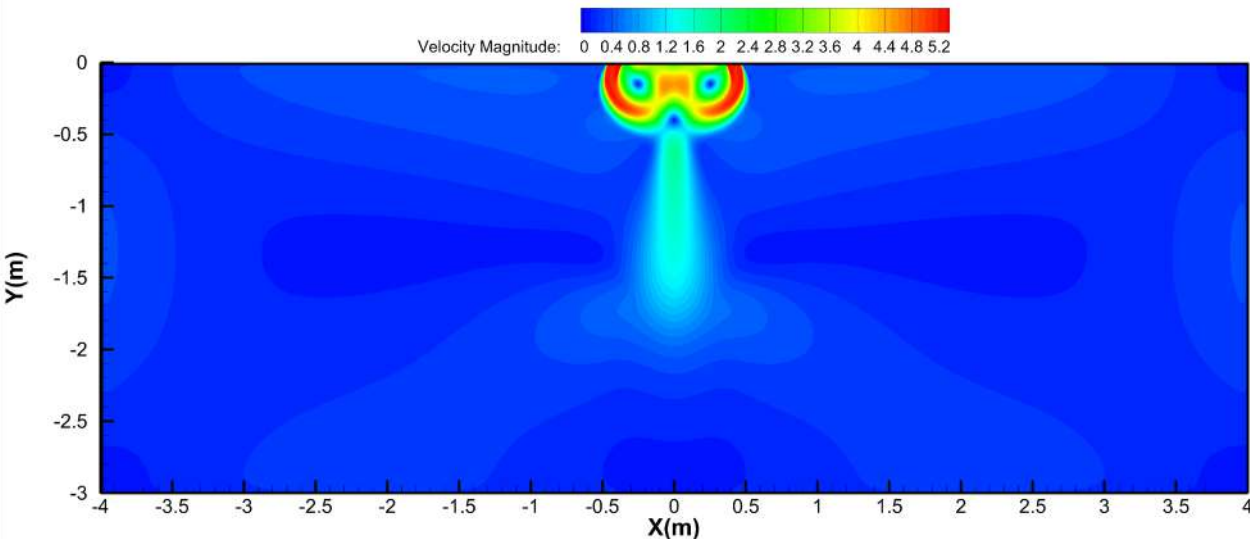
Heating temperature distributions



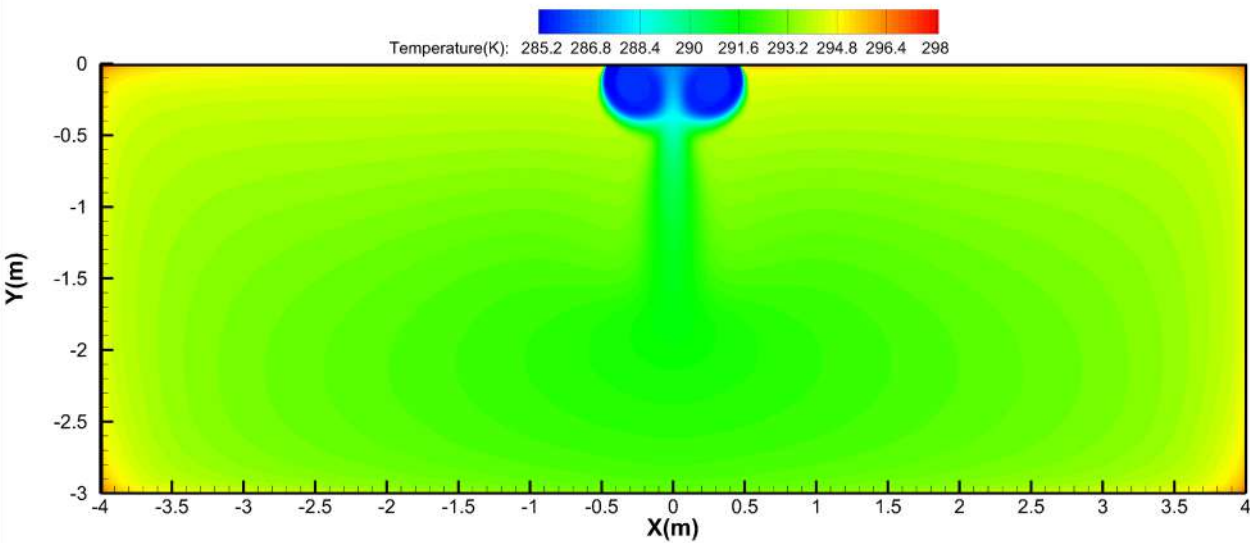
55K

Discharge Angle 60°

Cooling airflow velocity distributions



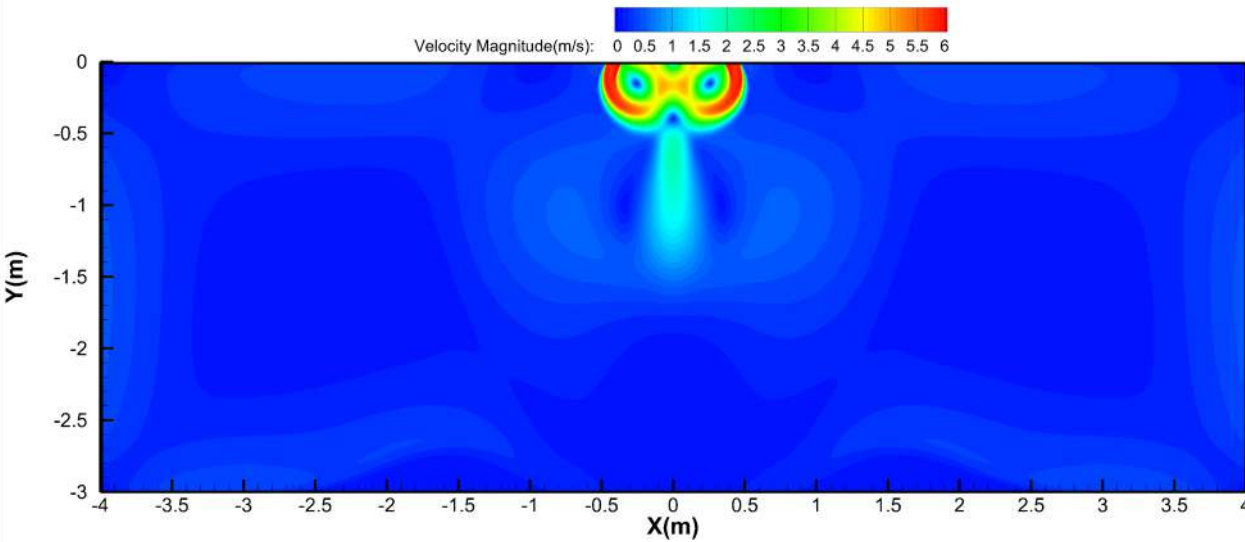
Cooling temperature distributions



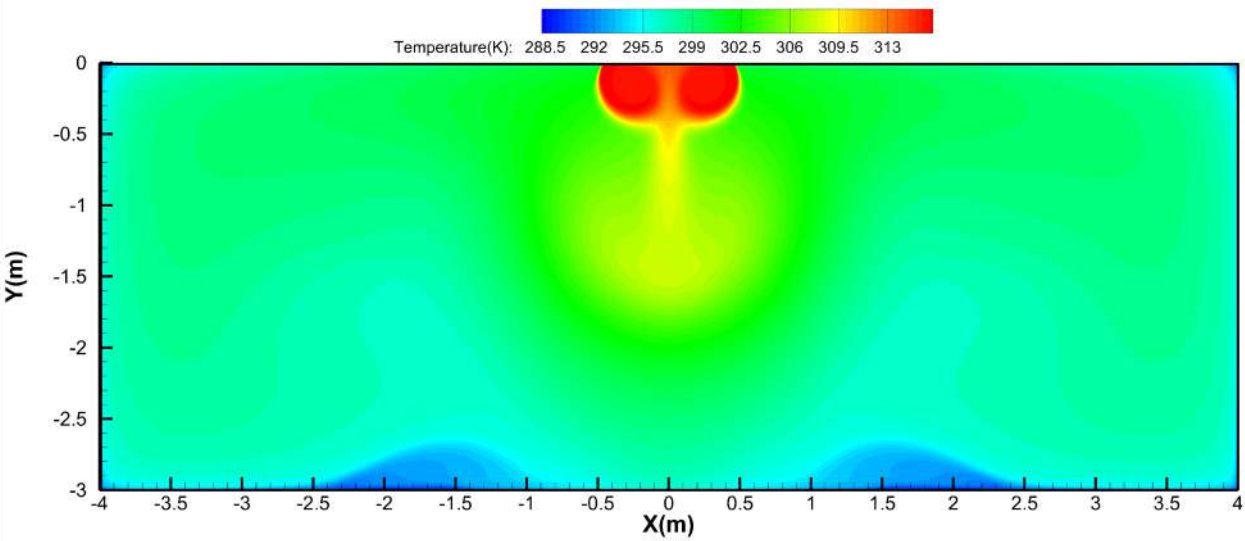
55K

Discharge Angle 60°

Heating airflow velocity distributions



Heating temperature distributions



8. Capacity Tables

8.1 Cooling

12k																		
INDOOR AIRFLOW (CMH)	OUTDOOR DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0
389	-15	TC	3.71	3.72	3.72	3.75	3.90	3.96	3.96	3.96	4.00	4.00	4.00	4.00	4.25	4.25	4.25	4.25
		S/T	0.68	0.74	0.81	0.88	0.55	0.62	0.69	0.75	0.49	0.56	0.63	0.70	0.37	0.42	0.48	0.54
		PI	0.67	0.68	0.68	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
	-10	TC	3.68	3.70	3.70	3.73	3.87	3.93	3.93	3.93	3.98	3.98	3.98	3.98	4.23	4.23	4.23	4.23
		S/T	0.68	0.75	0.82	0.88	0.55	0.62	0.69	0.76	0.49	0.56	0.63	0.70	0.37	0.43	0.49	0.54
		PI	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
	-5	TC	3.66	3.67	3.67	3.70	3.86	3.92	3.92	3.92	3.96	3.96	3.96	3.96	4.22	4.22	4.22	4.22
		S/T	0.68	0.75	0.82	0.89	0.56	0.63	0.69	0.76	0.50	0.57	0.63	0.70	0.37	0.43	0.49	0.55
		PI	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
	0	TC	3.64	3.66	3.66	3.68	3.85	3.91	3.91	3.91	3.95	3.95	3.95	3.95	4.22	4.22	4.22	4.22
		S/T	0.69	0.75	0.82	0.89	0.56	0.63	0.70	0.76	0.50	0.57	0.64	0.71	0.37	0.43	0.49	0.55
		PI	0.67	0.68	0.68	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.68	0.68	0.68	0.68
	5	TC	3.62	3.64	3.64	3.67	3.83	3.89	3.89	3.89	3.94	3.94	3.94	3.94	4.21	4.21	4.21	4.21
		S/T	0.69	0.76	0.83	0.90	0.56	0.63	0.70	0.77	0.50	0.57	0.64	0.71	0.37	0.43	0.49	0.55
		PI	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
	10	TC	3.60	3.61	3.61	3.64	3.81	3.87	3.87	3.87	3.92	3.92	3.92	3.92	4.20	4.20	4.20	4.20
		S/T	0.69	0.76	0.83	0.90	0.56	0.63	0.70	0.77	0.50	0.57	0.64	0.71	0.38	0.44	0.50	0.55
		PI	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
	15	TC	3.57	3.59	3.59	3.61	3.79	3.85	3.85	3.85	3.90	3.90	3.90	3.90	4.19	4.19	4.19	4.19
		S/T	0.70	0.77	0.84	0.91	0.57	0.64	0.71	0.78	0.51	0.58	0.65	0.72	0.38	0.44	0.50	0.56
		PI	0.71	0.71	0.71	0.71	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
	20	TC	3.53	3.54	3.54	3.57	3.75	3.75	3.75	3.75	3.86	3.86	3.86	3.86	4.15	4.15	4.15	4.15
		S/T	0.70	0.77	0.84	0.91	0.57	0.64	0.71	0.78	0.51	0.58	0.65	0.72	0.38	0.44	0.50	0.56
		PI	0.73	0.74	0.74	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
	25	TC	3.37	3.37	3.37	3.40	3.57	3.57	3.57	3.57	3.69	3.69	3.69	3.69	3.98	3.98	3.98	3.98
		S/T	0.70	0.78	0.86	0.93	0.57	0.65	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
	30	TC	3.20	3.20	3.20	3.23	3.43	3.43	3.43	3.43	3.52	3.52	3.52	3.52	3.80	3.80	3.80	3.80
		S/T	0.71	0.79	0.87	0.95	0.58	0.65	0.73	0.80	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.57
		PI	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.89
	35	TC	3.05	3.05	3.08	3.11	3.26	3.26	3.26	3.26	3.34	3.34	3.40	3.34	3.60	3.60	3.60	3.60
		S/T	0.72	0.80	0.89	0.97	0.58	0.66	0.74	0.82	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	0.96	0.96	0.96	0.96	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
	40	TC	2.89	2.89	2.92	2.95	3.09	3.09	3.09	3.09	3.18	3.18	3.21	3.18	3.43	3.43	3.43	3.43
		S/T	0.74	0.83	0.92	1.00	0.59	0.67	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.52	0.59
		PI	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
	46	TC	2.67	2.67	2.70	2.73	2.87	2.87	2.87	2.87	2.96	2.96	2.96	2.96	3.19	3.19	3.19	3.19
		S/T	0.75	0.85	0.94	1.00	0.59	0.68	0.77	0.87	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.60
		PI	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.20	1.20	1.20	1.20	1.21	1.21	1.21	1.21
	50	TC	2.53	2.53	2.55	2.58	2.70	2.70	2.70	2.73	2.79	2.79	2.79	2.79	3.02	3.02	3.02	3.02
		S/T	0.76	0.86	0.96	1.00	0.60	0.70	0.79	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.52	0.61
		PI	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.30	1.30	1.30	1.30	1.31	1.31	1.31	1.31

485	-15	TC	3.78	3.78	3.81	3.84	3.96	3.96	3.96	3.96	4.06	4.06	4.06	4.06	4.31	4.31	4.31	4.31
		S/T	0.70	0.79	0.98	1.00	0.56	0.65	0.73	0.81	0.50	0.58	0.66	0.74	0.35	0.42	0.49	0.57
		PI	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.68	0.68	0.68	0.68
	-10	TC	3.76	3.76	3.79	3.82	3.93	3.93	3.93	3.93	4.04	4.04	4.04	4.04	4.29	4.29	4.29	4.29
		S/T	0.71	0.80	0.99	1.00	0.56	0.65	0.74	0.82	0.50	0.58	0.66	0.75	0.35	0.43	0.49	0.57
		PI	0.68	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.68	0.68	0.68	0.68
	-5	TC	3.73	3.73	3.76	3.79	3.92	3.92	3.92	3.92	4.02	4.02	4.02	4.02	4.28	4.28	4.28	4.28
		S/T	0.71	0.80	0.99	1.00	0.57	0.65	0.74	0.82	0.51	0.59	0.66	0.75	0.35	0.43	0.50	0.58
		PI	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.68	0.68	0.68	0.68
	0	TC	3.72	3.72	3.75	3.77	3.91	3.91	3.91	3.91	4.01	4.01	4.01	4.01	4.28	4.28	4.28	4.28
		S/T	0.72	0.80	1.00	1.00	0.57	0.66	0.74	0.82	0.51	0.59	0.67	0.75	0.35	0.43	0.50	0.58
		PI	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
	5	TC	3.70	3.70	3.73	3.76	3.89	3.89	3.89	3.89	4.00	4.00	4.00	4.00	4.27	4.27	4.27	4.27
		S/T	0.72	0.81	1.00	1.00	0.57	0.66	0.75	0.83	0.51	0.59	0.67	0.76	0.35	0.43	0.50	0.58
		PI	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.70	0.70	0.70	0.70	0.69	0.69	0.69	0.69
	10	TC	3.67	3.67	3.70	3.73	3.87	3.87	3.87	3.87	3.98	3.98	3.98	3.98	4.26	4.26	4.26	4.26
		S/T	0.72	0.81	1.00	1.00	0.57	0.66	0.75	0.83	0.51	0.59	0.67	0.76	0.36	0.44	0.50	0.58
		PI	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.71	0.71	0.71	0.71	0.70	0.70	0.70	0.70
	15	TC	3.64	3.64	3.67	3.70	3.85	3.85	3.85	3.85	3.96	3.96	3.96	3.96	4.25	4.25	4.25	4.25
		S/T	0.73	0.82	0.91	0.99	0.58	0.67	0.76	0.84	0.52	0.60	0.68	0.77	0.36	0.44	0.51	0.59
		PI	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.71	0.71	0.71	0.71
	20	TC	3.60	3.60	3.63	3.66	3.81	3.81	3.81	3.81	3.92	3.92	3.92	3.92	4.21	4.21	4.21	4.21
		S/T	0.73	0.82	0.91	0.99	0.58	0.67	0.76	0.84	0.52	0.60	0.68	0.77	0.36	0.44	0.51	0.59
		PI	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.74	0.74	0.74	0.74
	25	TC	3.43	3.43	3.46	3.49	3.63	3.63	3.63	3.63	3.75	3.75	3.75	3.75	4.04	4.04	4.04	4.04
		S/T	0.74	0.83	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.60	0.69	0.78	0.36	0.44	0.52	0.60
		PI	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
	30	TC	3.26	3.26	3.29	3.32	3.49	3.49	3.49	3.49	3.57	3.57	3.57	3.57	3.86	3.86	3.86	3.86
		S/T	0.75	0.85	0.95	1.00	0.59	0.69	0.78	0.87	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.61
		PI	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
	35	TC	3.11	3.11	3.14	3.17	3.32	3.32	3.32	3.34	3.40	3.40	3.46	3.40	3.66	3.66	3.66	3.66
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.62
		PI	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
	40	TC	2.89	2.91	2.94	2.96	3.08	3.08	3.08	3.11	3.17	3.17	3.20	3.17	3.42	3.42	3.42	3.42
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.74	0.84	0.34	0.44	0.54	0.63
		PI	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
	46	TC	2.68	2.71	2.73	2.76	2.85	2.85	2.85	2.88	2.93	2.93	2.93	2.93	3.19	3.19	3.19	3.19
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.84	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.64
		PI	1.21	1.21	1.21	1.21	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.23	1.23	1.23	1.23
	50	TC	2.51	2.53	2.56	2.59	2.68	2.68	2.68	2.71	2.76	2.76	2.76	2.79	3.02	3.02	3.02	3.02
		S/T	0.82	0.95	1.00	1.00	0.63	0.75	0.87	0.98	0.54	0.66	0.77	0.89	0.34	0.44	0.55	0.91
		PI	1.31	1.31	1.31	1.31	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.33	1.33	1.33	1.33
569	-15	TC	3.84	3.84	3.87	3.90	4.02	4.02	4.02	4.05	4.12	4.12	4.12	4.12	4.40	4.40	4.40	4.40
		S/T	0.73	0.84	1.00	1.00	0.58	0.68	0.77	0.98	0.50	0.60	0.70	0.78	0.34	0.42	0.51	0.60
		PI	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
	-10	TC	3.82	3.82	3.85	3.88	3.99	3.99	3.99	4.02	4.10	4.10	4.10	4.10	4.38	4.38	4.38	4.38
		S/T	0.74	0.84	1.00	1.00	0.58	0.68	0.78	0.98	0.50	0.60	0.70	0.79	0.34	0.43	0.51	0.60
		PI	0.70	0.70	0.70	0.70	0.69	0.69	0.69	0.69	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
	-5	TC	3.79	3.79	3.82	3.85	3.98	3.98	3.98	4.01	4.08	4.08	4.08	4.08	4.37	4.37	4.37	4.37
		S/T	0.74	0.85	1.00	1.00	0.59	0.68	0.78	0.99	0.51	0.60	0.70	0.79	0.34	0.43	0.52	0.60
		PI	0.70	0.70	0.70	0.70	0.69	0.69	0.69	0.69	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
	0	TC	3.77	3.77	3.80	3.83	3.96	3.96	3.96	3.99	4.07	4.07	4.07	4.07	4.37	4.37	4.37	4.37
		S/T	0.74	0.85	1.00	1.00	0.59	0.69	0.78	0.99	0.51	0.61	0.71	0.79	0.34	0.43	0.52	0.61
		PI	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
	5	TC	3.76	3.76	3.79	3.82	3.95	3.95	3.95	3.98	4.06	4.06	4.06	4.06	4.36	4.36	4.36	4.36
		S/T	0.75	0.86	1.00	1.00	0.59	0.69	0.79	1.00	0.51	0.61	0.71	0.80	0.34	0.43	0.52	0.61
		PI	0.71	0.71	0.71	0.71	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.71	0.71	0.71	0.71
	10	TC	3.73	3.73	3.76	3.79	3.93	3.93	3.93	3.96	4.04	4.04	4.04	4.04	4.35	4.35	4.35	4.35
		S/T	0.75	0.86	1.00	1.00	0.59	0.69	0.79	1.00	0.51	0.61	0.71	0.80	0.35	0.44	0.52	0.61
		PI	0.72	0.72	0.72	0.72	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.72	0.72	0.72	0.72
	15	TC	3.70	3.70	3.73	3.76	3.90	3.90	3.90	3.93	4.02	4.02	4.02	4.02	4.33	4.33	4.33	4.33
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.89	0.52	0.62	0.72	0.81	0.35	0.44	0.53	0.62
		PI	0.74	0.74	0.74	0.74	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
	20	TC	3.66	3.66	3.69	3.72	3.86	3.86	3.86	3.89	3.98	3.98	3.98	3.98	4.30	4.30	4.30	4.30
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.89	0.52	0.62	0.72	0.81	0.35	0.44	0.53	0.62
		PI	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
	25	TC	3.49	3.49	3.52	3.55	3.69	3.69	3.69	3.72	3.81	3.81	3.81	3.81	4.09	4.09	4.09	4.09
		S/T	0.77	0.88	0.99	1.00	0.61	0.71	0.81	0.91	0.53	0.63	0.73	0.83	0.35	0.44	0.53	0.63
		PI	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
	30	TC	3.32	3.34	3.37	3.40	3.55	3.55	3.55	3.57	3.6							

18k																		
INDOOR AIRFLOW (CMH)	OUTDOOR DB(°C)	ID WB (°C) ID DB (°C)	16.0				18.0				19.0				22.0			
			23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0
479	-15	TC	5.50	5.50	5.50	5.50	5.78	5.90	5.90	5.90	5.93	5.93	5.93	5.93	6.28	6.28	6.28	6.28
		S/T	0.66	0.71	0.77	0.83	0.55	0.60	0.66	0.71	0.50	0.55	0.61	0.66	0.39	0.43	0.48	0.53
		PI	1.09	1.08	1.08	1.09	1.08	1.08	1.08	1.08	1.09	1.09	1.09	1.09	1.08	1.08	1.08	1.08
	-10	TC	5.46	5.47	5.47	5.47	5.75	5.87	5.87	5.87	5.90	5.90	5.90	5.90	6.25	6.25	6.25	6.25
		S/T	0.66	0.72	0.78	0.83	0.55	0.61	0.66	0.72	0.50	0.55	0.61	0.66	0.39	0.44	0.49	0.53
		PI	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
	-5	TC	5.43	5.43	5.43	5.43	5.73	5.85	5.85	5.85	5.88	5.88	5.88	5.88	6.24	6.24	6.24	6.24
		S/T	0.66	0.72	0.78	0.84	0.56	0.61	0.66	0.72	0.51	0.56	0.61	0.66	0.39	0.44	0.49	0.54
		PI	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
	0	TC	5.40	5.41	5.41	5.41	5.71	5.83	5.83	5.83	5.87	5.87	5.87	5.87	6.23	6.23	6.23	6.23
		S/T	0.67	0.73	0.78	0.84	0.56	0.61	0.67	0.73	0.51	0.56	0.62	0.67	0.39	0.44	0.49	0.54
		PI	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
	5	TC	5.38	5.38	5.38	5.38	5.68	5.80	5.80	5.80	5.85	5.85	5.85	5.85	6.23	6.23	6.23	6.23
		S/T	0.67	0.73	0.79	0.85	0.56	0.62	0.67	0.73	0.51	0.56	0.62	0.67	0.39	0.44	0.49	0.54
		PI	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	1.09	1.09	1.09	1.09
	10	TC	5.34	5.35	5.35	5.35	5.66	5.78	5.78	5.78	5.82	5.82	5.82	5.82	6.21	6.21	6.21	6.21
		S/T	0.67	0.73	0.79	0.85	0.56	0.62	0.67	0.73	0.51	0.56	0.62	0.67	0.40	0.45	0.50	0.54
		PI	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
	15	TC	5.30	5.30	5.30	5.30	5.62	5.74	5.74	5.74	5.79	5.79	5.79	5.79	6.19	6.19	6.19	6.19
		S/T	0.68	0.74	0.80	0.86	0.57	0.62	0.68	0.74	0.52	0.57	0.63	0.68	0.40	0.45	0.50	0.55
		PI	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.13	1.13	1.13	1.13
	20	TC	5.24	5.24	5.24	5.24	5.56	5.56	5.56	5.56	5.73	5.73	5.73	5.73	6.13	6.13	6.13	6.13
		S/T	0.68	0.74	0.80	0.86	0.57	0.63	0.68	0.74	0.52	0.57	0.63	0.68	0.40	0.45	0.50	0.55
		PI	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.17	1.17	1.17	1.17
	25	TC	4.99	4.99	4.99	4.99	5.30	5.30	5.30	5.30	5.47	5.47	5.47	5.47	5.87	5.87	5.87	5.87
		S/T	0.68	0.75	0.81	0.87	0.57	0.63	0.69	0.75	0.51	0.57	0.63	0.69	0.39	0.44	0.50	0.55
		PI	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
	30	TC	4.76	4.76	4.76	4.81	5.07	5.07	5.07	5.07	5.22	5.22	5.22	5.22	5.62	5.62	5.62	5.62
		S/T	0.69	0.75	0.82	0.88	0.57	0.63	0.69	0.76	0.51	0.57	0.64	0.70	0.39	0.44	0.50	0.56
		PI	1.42	1.42	1.42	1.42	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43
	35	TC	4.53	4.53	4.53	4.59	4.81	4.81	4.81	4.81	4.96	4.96	5.04	4.96	5.36	5.36	5.36	5.36
		S/T	0.69	0.76	0.83	0.90	0.57	0.64	0.70	0.77	0.51	0.58	0.64	0.71	0.38	0.44	0.50	0.56
		PI	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.57	1.57	1.57	1.57	1.58	1.58	1.58	1.58
	40	TC	4.28	4.28	4.28	4.32	4.55	4.55	4.55	4.55	4.70	4.70	4.74	4.70	5.07	5.07	5.07	5.07
		S/T	0.70	0.78	0.86	0.93	0.57	0.65	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.74	1.74	1.74	1.74
	46	TC	3.97	3.97	3.97	4.00	4.22	4.22	4.22	4.22	4.37	4.37	4.37	4.37	4.71	4.71	4.71	4.71
		S/T	0.71	0.79	0.87	0.95	0.58	0.65	0.73	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.51	0.57
		PI	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.94	1.94	1.94	1.94
	50	TC	3.71	3.71	3.74	3.77	3.97	3.97	3.97	3.97	4.11	4.11	4.11	4.11	4.45	4.45	4.45	4.45
		S/T	0.72	0.81	0.89	0.97	0.58	0.66	0.74	0.82	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.09	2.10	2.10	2.10	2.10
584	-15	TC	5.62	5.62	5.62	5.68	5.90	5.90	5.90	5.90	6.06	6.06	6.06	6.06	6.43	6.43	6.43	6.43
		S/T	0.67	0.74	0.98	1.00	0.55	0.62	0.69	0.75	0.49	0.56	0.63	0.69	0.37	0.42	0.48	0.54
		PI	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
	-10	TC	5.59	5.59	5.59	5.65	5.87	5.87	5.87	5.87	6.03	6.03	6.03	6.03	6.40	6.40	6.40	6.40
		S/T	0.67	0.75	0.99	1.00	0.55	0.62	0.69	0.76	0.49	0.56	0.63	0.69	0.37	0.43	0.49	0.54
		PI	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.11	1.11	1.11	1.11
	-5	TC	5.56	5.56	5.56	5.62	5.85	5.85	5.85	5.85	6.00	6.00	6.00	6.00	6.39	6.39	6.39	6.39
		S/T	0.67	0.75	0.99	1.00	0.56	0.62	0.69	0.76	0.50	0.57	0.63	0.69	0.37	0.43	0.49	0.55
		PI	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.11	1.11	1.11	1.11
	0	TC	5.53	5.53	5.53	5.59	5.83	5.83	5.83	5.83	5.99	5.99	5.99	5.99	6.38	6.38	6.38	6.38
		S/T	0.68	0.75	1.00	1.00	0.56	0.63	0.70	0.76	0.50	0.57	0.64	0.70	0.37	0.43	0.49	0.55
		PI	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.11	1.11	1.11	1.11
	5	TC	5.50	5.50	5.50	5.56	5.80	5.80	5.80	5.80	5.97	5.97	5.97	5.97	6.38	6.38	6.38	6.38
		S/T	0.68	0.76	1.00	1.00	0.56	0.63	0.70	0.77	0.50	0.57	0.64	0.70	0.37	0.43	0.49	0.55
		PI	1.12	1.12	1.12	1.12	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.12	1.12	1.12	1.12
	10	TC	5.47	5.47	5.47	5.53	5.78	5.78	5.78	5.78	5.94	5.94	5.94	5.94	6.36	6.36	6.36	6.36
		S/T	0.68	0.76	1.00	1.00	0.56	0.63	0.70	0.77	0.50	0.57	0.64	0.70	0.38	0.44	0.50	0.55
		PI	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
	15	TC	5.42	5.42	5.42	5.48	5.74	5.74	5.74	5.74	5.91	5.91	5.91	5.91	6.33	6.33	6.33	6.33
		S/T	0.69	0.77	0.84	0.91	0.57	0.64	0.71	0.78	0.51	0.58	0.65	0.71	0.38	0.44	0.50	0.56
		PI	1.16	1.16	1.16	1.16	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.16	1.16	1.16	1.16
	20	TC	5.36	5.36	5.36	5.42	5.68	5.68	5.68	5.68	5.85	5.85	5.85	5.85	6.28	6.28	6.28	6.28
		S/T	0.69	0.77	0.84	0.91	0.57	0.64	0.71	0.78	0.51	0.58	0.65	0.71	0.38	0.44	0.50	0.56
		PI	1.20	1.20	1.20	1.20	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
	25	TC	5.10	5.10	5.10	5.16	5.42	5.42	5.42	5.42	5.59	5.59	5.59	5.59	6.02	6.02	6.02	6.02
		S/T	0.70	0.78	0.85	0.93	0.57	0.64	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	1.32	1.32														

680	-15	TC	5.74	5.74	5.74	5.80	6.05	6.05	6.05	6.05	6.20	6.20	6.20	6.20	6.57	6.57	6.57	6.57
		S/T	0.69	0.77	1.00	1.00	0.56	0.63	0.70	0.98	0.49	0.57	0.64	0.71	0.36	0.42	0.49	0.56
		PI	1.14	1.14	1.14	1.14	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12	1.12	1.12
	-10	TC	5.71	5.71	5.71	5.77	6.02	6.02	6.02	6.02	6.17	6.17	6.17	6.17	6.55	6.55	6.55	6.55
		S/T	0.69	0.78	1.00	1.00	0.56	0.63	0.71	0.98	0.49	0.57	0.64	0.72	0.36	0.43	0.49	0.56
		PI	1.13	1.13	1.13	1.13	1.12	1.12	1.12	1.12	1.13	1.13	1.13	1.13	1.12	1.12	1.12	1.12
	-5	TC	5.67	5.67	5.67	5.73	6.00	6.00	6.00	6.00	6.15	6.15	6.15	6.15	6.53	6.53	6.53	6.53
		S/T	0.69	0.78	1.00	1.00	0.57	0.63	0.71	0.99	0.50	0.58	0.64	0.72	0.36	0.43	0.50	0.57
		PI	1.13	1.13	1.13	1.13	1.12	1.12	1.12	1.12	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
	0	TC	5.65	5.65	5.65	5.71	5.97	5.97	5.97	5.97	6.13	6.13	6.13	6.13	6.53	6.53	6.53	6.53
		S/T	0.70	0.78	1.00	1.00	0.57	0.64	0.72	0.99	0.50	0.58	0.65	0.73	0.36	0.43	0.50	0.57
		PI	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
	5	TC	5.62	5.62	5.62	5.68	5.95	5.95	5.95	5.95	6.11	6.11	6.11	6.11	6.52	6.52	6.52	6.52
		S/T	0.70	0.79	1.00	1.00	0.57	0.64	0.72	1.00	0.50	0.58	0.65	0.73	0.36	0.43	0.50	0.57
		PI	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
	10	TC	5.58	5.58	5.58	5.64	5.92	5.92	5.92	5.92	6.09	6.09	6.09	6.09	6.51	6.51	6.51	6.51
		S/T	0.70	0.79	1.00	1.00	0.57	0.64	0.72	1.00	0.50	0.58	0.65	0.73	0.37	0.44	0.50	0.57
		PI	1.16	1.16	1.16	1.16	1.15	1.15	1.15	1.15	1.16	1.16	1.16	1.16	1.15	1.15	1.15	1.15
	15	TC	5.54	5.54	5.54	5.60	5.88	5.88	5.88	5.88	6.05	6.05	6.05	6.05	6.48	6.48	6.48	6.48
		S/T	0.71	0.80	0.88	0.96	0.58	0.65	0.73	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58
		PI	1.19	1.19	1.19	1.19	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
	20	TC	5.48	5.48	5.48	5.53	5.82	5.82	5.82	5.82	5.99	5.99	5.99	5.99	6.42	6.42	6.42	6.42
		S/T	0.71	0.80	0.88	0.96	0.58	0.65	0.73	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58
		PI	1.23	1.23	1.23	1.23	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.21	1.21	1.21	1.21
	25	TC	5.22	5.22	5.28	5.33	5.56	5.56	5.56	5.56	5.73	5.73	5.73	5.73	6.16	6.16	6.16	6.16
		S/T	0.72	0.81	0.89	0.97	0.58	0.66	0.74	0.83	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
	30	TC	4.99	4.99	5.05	5.10	5.30	5.30	5.30	5.30	5.45	5.45	5.45	5.45	5.88	5.88	5.88	5.88
		S/T	0.73	0.82	0.91	0.99	0.58	0.67	0.76	0.84	0.52	0.60	0.68	0.77	0.36	0.44	0.51	0.59
		PI	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.50	1.50	1.50	1.50
	35	TC	4.73	4.73	4.79	4.85	5.05	5.05	5.05	5.05	5.19	5.19	5.28	5.19	5.59	5.59	5.59	5.59
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.69	0.78	0.36	0.44	0.52	0.60
		PI	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.63	1.63	1.63	1.63	1.64	1.64	1.64	1.64
	40	TC	4.44	4.45	4.50	4.54	4.74	4.74	4.74	4.77	4.89	4.89	4.93	4.89	5.27	5.27	5.27	5.27
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.89	0.52	0.62	0.72	0.81	0.35	0.44	0.53	0.90
		PI	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.80	1.80	1.80	1.80	1.81	1.81	1.81	1.81
	46	TC	4.11	4.14	4.17	4.20	4.40	4.40	4.40	4.46	4.54	4.54	4.54	4.54	4.91	4.91	4.91	4.91
		S/T	0.77	0.88	0.99	1.00	0.60	0.71	0.81	0.91	0.53	0.63	0.73	0.83	0.35	0.44	0.53	0.92
		PI	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	2.02	2.02	2.02	2.02
	50	TC	3.86	3.89	3.91	3.94	4.11	4.11	4.11	4.14	4.26	4.26	4.26	4.26	4.63	4.63	4.63	4.63
		S/T	0.79	0.91	1.00	1.00	0.61	0.72	0.83	0.94	0.53	0.64	0.74	0.85	0.34	0.44	0.54	0.97
		PI	2.15	2.15	2.15	2.15	2.16	2.16	2.16	2.16	2.17	2.17	2.17	2.17	2.19	2.19	2.19	2.19

TC:Total Cooling Capacity (kW)

S/T:Sensible Cooling Capacity Ratio

PI:Power Input(kW)

Note: The table shows the case where the operation frequency of a compressor is fixed.

24k																			
INDOOR AIRFLOW (CMH)	OUTDOOR DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0				
		ID DB (°C)	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	
992	-15	TC	7.35	7.34	7.40	7.46	7.73	7.88	7.88	7.97	7.93	7.93	7.93	7.93	8.40	8.40	8.40	8.40	
		S/T	0.71	0.80	0.90	0.97	0.57	0.65	0.74	0.83	0.50	0.58	0.67	0.75	0.35	0.42	0.50	0.58	
		PI	1.54	1.54	1.54	1.54	1.53	1.53	1.53	1.53	1.54	1.54	1.54	1.54	1.53	1.53	1.53	1.53	
	-10	TC	7.31	7.30	7.36	7.42	7.69	7.84	7.84	7.93	7.89	7.89	7.89	7.89	8.37	8.37	8.37	8.37	
		S/T	0.72	0.81	0.90	0.97	0.57	0.66	0.75	0.83	0.50	0.58	0.67	0.76	0.35	0.43	0.50	0.58	
		PI	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	
	-5	TC	7.26	7.26	7.32	7.38	7.66	7.81	7.81	7.90	7.86	7.86	7.86	7.86	8.35	8.35	8.35	8.35	
		S/T	0.72	0.81	0.91	0.98	0.58	0.66	0.75	0.84	0.51	0.59	0.67	0.76	0.35	0.43	0.51	0.59	
		PI	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	
	0	TC	7.23	7.22	7.28	7.34	7.63	7.78	7.78	7.87	7.84	7.84	7.84	7.84	8.34	8.34	8.34	8.34	
		S/T	0.73	0.81	0.91	0.98	0.58	0.66	0.75	0.84	0.51	0.59	0.68	0.76	0.35	0.43	0.51	0.59	
		PI	1.54	1.54	1.54	1.54	1.53	1.53	1.53	1.53	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	
	5	TC	7.19	7.18	7.24	7.30	7.60	7.75	7.75	7.84	7.82	7.82	7.82	7.82	8.34	8.34	8.34	8.34	
		S/T	0.73	0.82	0.92	0.99	0.58	0.67	0.76	0.85	0.51	0.59	0.68	0.77	0.35	0.43	0.51	0.59	
		PI	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	
	10	TC	7.15	7.14	7.20	7.26	7.56	7.71	7.71	7.80	7.79	7.79	7.79	7.79	8.31	8.31	8.31	8.31	
		S/T	0.73	0.82	0.92	0.99	0.58	0.67	0.76	0.85	0.51	0.59	0.68	0.77	0.36	0.44	0.51	0.59	
		PI	1.58	1.58	1.58	1.58	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	
	15	TC	7.09	7.08	7.14	7.20	7.51	7.66	7.66	7.75	7.74	7.74	7.74	7.74	8.28	8.28	8.28	8.28	
		S/T	0.74	0.83	0.93	1.00	0.59	0.67	0.77	0.86	0.52	0.60	0.69	0.78	0.36	0.44	0.52	0.60	
		PI	1.61	1.62	1.62	1.62	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	
	20	TC	7.01	7.00	7.06	7.12	7.43	7.43	7.43	7.43	7.66	7.66	7.66	7.66	8.21	8.21	8.21	8.21	
		S/T	0.74	0.83	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.60	0.69	0.78	0.36	0.44	0.52	0.60	
		PI	1.67	1.67	1.67	1.67	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.65	1.65	1.65	1.65	
	25	TC	6.69	6.69	6.74	6.80	7.09	7.09	7.09	7.09	7.32	7.32	7.32	7.32	7.86	7.86	7.86	7.86	
		S/T	0.75	0.85	0.94	1.00	0.59	0.69	0.78	0.87	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.61	
		PI	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	
	30	TC	6.37	6.37	6.43	6.49	6.77	6.77	6.77	6.83	6.97	6.97	6.97	6.97	7.52	7.52	7.52	7.52	
		S/T	0.76	0.86	0.97	1.00	0.60	0.70	0.79	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.61	
		PI	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.04	
	35	TC	6.06	6.06	6.11	6.17	6.43	6.43	6.43	6.49	6.63	6.63	6.74	6.63	7.17	7.17	7.17	7.17	
		S/T	0.77	0.88	0.99	1.00	0.60	0.71	0.81	0.91	0.53	0.63	0.72	0.83	0.35	0.44	0.53	0.62	
		PI	2.20	2.20	2.20	2.20	2.21	2.21	2.21	2.21	2.22	2.22	2.22	2.22	2.23	2.23	2.23	2.23	
	40	TC	5.66	5.68	5.74	5.80	6.01	6.01	6.01	6.07	6.21	6.21	6.28	6.21	6.72	6.72	6.72	6.72	
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.85	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.64	
		PI	2.43	2.43	2.43	2.43	2.44	2.44	2.44	2.44	2.45	2.45	2.45	2.45	2.47	2.47	2.47	2.47	
	46	TC	5.24	5.29	5.35	5.41	5.58	5.58	5.58	5.64	5.78	5.78	5.78	5.78	6.23	6.23	6.23	6.23	
		S/T	0.81	0.94	1.00	1.00	0.63	0.74	0.86	0.97	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.66	
		PI	2.71	2.71	2.71	2.71	2.72	2.72	2.72	2.72	2.73	2.73	2.73	2.73	2.75	2.75	2.75	2.75	
	50	TC	4.90	4.95	5.01	5.07	5.24	5.24	5.29	5.35	5.44	5.44	5.44	5.49	5.89	5.89	5.89	5.89	
		S/T	0.84	0.97	1.00	1.00	0.64	0.76	0.88	1.00	0.54	0.66	0.79	0.90	0.33	0.45	0.56	0.67	
		PI	2.94	2.94	2.94	2.94	2.95	2.95	2.95	2.95	2.96	2.96	2.96	2.96	2.98	2.98	2.98	2.98	
1118	-15	TC	7.50	7.50	7.56	7.65	7.88	7.88	7.88	7.97	8.09	8.09	8.09	8.09	8.58	8.58	8.58	8.58	
		S/T	0.73	0.84	0.98	1.00	0.58	0.68	0.77	0.86	0.50	0.60	0.69	0.78	0.34	0.42	0.51	0.60	
		PI	1.58	1.58	1.58	1.58	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	
	-10	TC	7.45	7.45	7.51	7.60	7.84	7.84	7.84	7.93	8.05	8.05	8.05	8.05	8.55	8.55	8.55	8.55	
		S/T	0.74	0.84	0.99	1.00	0.58	0.68	0.78	0.86	0.50	0.60	0.69	0.79	0.34	0.43	0.51	0.60	
		PI	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	
	-5	TC	7.41	7.41	7.47	7.56	7.81	7.81	7.81	7.90	8.02	8.02	8.02	8.02	8.53	8.53	8.53	8.53	
		S/T	0.74	0.85	0.99	1.00	0.59	0.68	0.78	0.87	0.51	0.60	0.69	0.79	0.34	0.43	0.52	0.60	
		PI	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	
	0	TC	7.37	7.37	7.43	7.52	7.78	7.78	7.78	7.87	7.99	7.99	7.99	7.99	8.52	8.52	8.52	8.52	
		S/T	0.74	0.85	1.00	1.00	0.59	0.69	0.78	0.87	0.51	0.61	0.70	0.79	0.34	0.43	0.52	0.61	
		PI	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	
	5	TC	7.33	7.33	7.39	7.48	7.75	7.75	7.75	7.84	7.97	7.97	7.97	7.97	8.51	8.51	8.51	8.51	
		S/T	0.75	0.86	1.00	1.00	0.59	0.69	0.79	0.88	0.51	0.61	0.70	0.80	0.34	0.43	0.52	0.61	
		PI	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	
	10	TC	7.29	7.29	7.35	7.44	7.71	7.71	7.71	7.80	7.93	7.93	7.93	7.93	8.49	8.49	8.49	8.49	
		S/T	0.75	0.86	1.00	1.00	0.59	0.69	0.79	0.88	0.51	0.61	0.70	0.80	0.35	0.44	0.52	0.61	
		PI	1.62	1.62	1.62	1.62	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	
	15	TC	7.23	7.23	7.29	7.38	7.66	7.66	7.66	7.75	7.89	7.89	7.89	7.89	8.46	8.46	8.46	8.46	
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.62	
		PI	1.66	1.66	1.66	1.66	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.64	1.64	1.64	1.64	
	20	TC	7.15	7.15	7.21	7.29	7.58	7.58	7.58	7.67	7.81	7.81	7.81	7.81	8.38	8.38	8.38	8.38	
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.62	
		PI	1.71	1.71	1.71	1.71	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.69	1.69	1.69	1.69	
	25	TC	6.83	6.83	6.89	6.95	7.26	7.26	7.26	7.35	7.46	7.46	7.46	7.46	8.04	8.04	8.04	8.04	
S/T		0.77	0.88	0.99	1.00	0.60	0.71	0.81	0.91	0.53	0.63	0.73							

1247	-15	TC	7.68	7.77	7.86	7.95	8.06	8.06	8.06	8.15	8.26	8.26	8.26	8.26	8.79	8.79	8.79	8.79
		S/T	0.75	0.86	1.00	1.00	0.59	0.70	0.80	0.98	0.51	0.61	0.71	0.81	0.33	0.42	0.52	0.61
		PI	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
	-10	TC	7.63	7.72	7.81	7.90	8.02	8.02	8.02	8.10	8.22	8.22	8.22	8.22	8.76	8.76	8.76	8.76
		S/T	0.76	0.86	1.00	1.00	0.59	0.70	0.81	0.98	0.51	0.61	0.72	0.82	0.33	0.43	0.52	0.61
		PI	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
	-5	TC	7.59	7.68	7.77	7.85	7.99	7.99	7.99	8.07	8.19	8.19	8.19	8.19	8.73	8.73	8.73	8.73
		S/T	0.76	0.87	1.00	1.00	0.59	0.70	0.81	0.99	0.52	0.61	0.72	0.82	0.33	0.43	0.53	0.61
		PI	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
	0	TC	7.55	7.64	7.73	7.82	7.96	7.96	7.96	8.04	8.17	8.17	8.17	8.17	8.73	8.73	8.73	8.73
		S/T	0.76	0.87	1.00	1.00	0.60	0.71	0.81	0.99	0.52	0.62	0.73	0.82	0.33	0.43	0.53	0.62
		PI	1.60	1.60	1.60	1.60	1.61	1.61	1.61	1.61	1.60	1.60	1.60	1.60	1.61	1.61	1.61	1.61
	5	TC	7.51	7.60	7.69	7.78	7.93	7.93	7.93	8.01	8.14	8.14	8.14	8.14	8.72	8.72	8.72	8.72
		S/T	0.77	0.88	1.00	1.00	0.60	0.71	0.82	1.00	0.52	0.62	0.73	0.83	0.33	0.43	0.53	0.62
		PI	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62
	10	TC	7.47	7.55	7.64	7.73	7.89	7.89	7.89	7.98	8.11	8.11	8.11	8.11	8.70	8.70	8.70	8.70
		S/T	0.77	0.88	1.00	1.00	0.60	0.71	0.82	1.00	0.52	0.62	0.73	0.83	0.34	0.44	0.53	0.62
		PI	1.64	1.64	1.64	1.64	1.65	1.65	1.65	1.65	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
	15	TC	7.40	7.49	7.58	7.67	7.83	7.83	7.83	7.92	8.06	8.06	8.06	8.06	8.66	8.66	8.66	8.66
		S/T	0.78	0.89	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.74	0.84	0.34	0.44	0.54	0.63
		PI	1.68	1.68	1.68	1.68	1.69	1.69	1.69	1.69	1.68	1.68	1.68	1.68	1.67	1.67	1.67	1.67
	20	TC	7.32	7.41	7.49	7.58	7.75	7.75	7.75	7.84	7.98	7.98	7.98	7.98	8.58	8.58	8.58	8.58
		S/T	0.78	0.89	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.74	0.84	0.34	0.44	0.54	0.63
		PI	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.73	1.73	1.73	1.73	1.72	1.72	1.72	1.72
	25	TC	6.98	7.03	7.09	7.15	7.41	7.41	7.41	7.49	7.64	7.64	7.64	7.64	8.21	8.21	8.21	8.21
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.84	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.65
		PI	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.93	1.93	1.93	1.93
	30	TC	6.63	6.69	6.75	6.80	7.06	7.06	7.06	7.12	7.29	7.29	7.29	7.29	7.84	7.84	7.84	7.84
		S/T	0.81	0.94	1.00	1.00	0.63	0.74	0.86	0.98	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.66
		PI	2.10	2.10	2.10	2.10	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.12	2.12	2.12	2.12
	35	TC	6.32	6.37	6.43	6.49	6.72	6.72	6.72	6.78	6.92	6.92	6.92	6.92	7.09	7.46	7.46	7.46
		S/T	0.83	0.96	1.00	1.00	0.63	0.76	0.88	1.00	0.54	0.66	0.78	0.89	0.33	0.45	0.56	0.67
		PI	2.30	2.30	2.30	2.30	2.31	2.31	2.31	2.31	2.32	2.32	2.32	2.32	2.33	2.33	2.33	2.33
	40	TC	5.96	6.02	6.08	6.13	6.35	6.35	6.38	6.43	6.54	6.54	6.60	6.66	7.07	7.07	7.07	7.07
		S/T	0.87	1.00	1.00	1.00	0.65	0.79	0.92	1.00	0.55	0.69	0.82	0.95	0.33	0.45	0.57	0.90
		PI	2.54	2.54	2.54	2.54	2.55	2.55	2.55	2.55	2.56	2.56	2.56	2.56	2.58	2.58	2.58	2.58
	46	TC	5.52	5.58	5.64	5.69	5.90	5.90	5.95	6.01	6.07	6.07	6.07	6.13	6.59	6.59	6.59	6.59
		S/T	0.88	1.00	1.00	1.00	0.66	0.80	0.94	1.00	0.56	0.70	0.84	0.97	0.33	0.45	0.58	0.92
		PI	2.83	2.83	2.83	2.83	2.84	2.84	2.84	2.84	2.85	2.85	2.85	2.85	2.87	2.87	2.87	2.87
	50	TC	5.18	5.23	5.29	5.35	5.52	5.52	5.58	5.64	5.72	5.72	5.72	5.78	6.18	6.18	6.18	6.18
		S/T	0.91	1.00	1.00	1.00	0.68	0.83	0.97	1.00	0.57	0.71	0.86	1.00	0.32	0.46	0.59	0.97
		PI	3.07	3.07	3.07	3.07	3.08	3.08	3.08	3.08	3.09	3.09	3.09	3.09	3.10	3.10	3.10	3.10

TC:Total Cooling Capacity (kW)

S/T:Sensible Cooling Capacity Ratio

PI:Power Input(kW)

Note: The table shows the case where the operation frequency of a compressor is fixed.

30k																		
INDOOR AIRFLOW (CMH)	OUTDOOR DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0

1300	-15	TC	9.20	9.22	9.31	9.40	9.68	9.89	9.89	9.98	9.90	9.90	9.90	9.90	10.52	10.52	10.52	10.52	
		S/T	0.72	0.82	0.91	0.97	0.57	0.66	0.75	0.84	0.50	0.59	0.68	0.76	0.34	0.42	0.50	0.59	
		PI	1.84	1.84	1.84	1.84	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	
	-10	TC	9.15	9.16	9.25	9.34	9.62	9.83	9.83	9.92	9.85	9.85	9.85	9.85	10.49	10.49	10.49	10.49	
		S/T	0.73	0.82	0.91	0.97	0.57	0.67	0.76	0.84	0.50	0.59	0.68	0.77	0.34	0.43	0.50	0.59	
		PI	1.83	1.83	1.83	1.83	1.82	1.82	1.82	1.82	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	
	-5	TC	9.09	9.11	9.20	9.29	9.59	9.80	9.80	9.89	9.82	9.82	9.82	9.82	10.46	10.46	10.46	10.46	
		S/T	0.73	0.83	0.92	0.98	0.58	0.67	0.76	0.85	0.51	0.59	0.68	0.77	0.34	0.43	0.51	0.59	
		PI	1.83	1.82	1.82	1.83	1.82	1.82	1.82	1.82	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	
	0	TC	9.05	9.06	9.15	9.24	9.55	9.76	9.76	9.85	9.79	9.79	9.79	9.79	10.45	10.45	10.45	10.45	
		S/T	0.74	0.83	0.92	0.98	0.58	0.67	0.76	0.85	0.51	0.60	0.69	0.77	0.34	0.43	0.51	0.60	
		PI	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.84	1.84	1.84	1.84	
	5	TC	9.00	9.02	9.11	9.19	9.51	9.72	9.72	9.81	9.76	9.76	9.76	9.76	10.44	10.44	10.44	10.44	
		S/T	0.74	0.84	0.93	0.99	0.58	0.68	0.77	0.86	0.51	0.60	0.69	0.78	0.34	0.43	0.51	0.60	
		PI	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	
	10	TC	8.95	8.96	9.05	9.14	9.47	9.68	9.68	9.77	9.72	9.72	9.72	9.72	10.42	10.42	10.42	10.42	
		S/T	0.74	0.84	0.93	0.99	0.58	0.68	0.77	0.86	0.51	0.60	0.69	0.78	0.35	0.44	0.51	0.60	
		PI	1.88	1.88	1.88	1.88	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	
	15	TC	8.87	8.89	8.98	9.06	9.41	9.61	9.61	9.70	9.66	9.66	9.66	9.66	10.37	10.37	10.37	10.37	
		S/T	0.75	0.85	0.94	1.00	0.59	0.68	0.78	0.87	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.61	
		PI	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	
	20	TC	8.77	8.79	8.88	8.96	9.31	9.31	9.31	9.31	9.56	9.56	9.56	9.56	10.28	10.28	10.28	10.28	
		S/T	0.75	0.85	0.94	1.00	0.59	0.69	0.78	0.87	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.61	
		PI	2.00	1.99	1.99	2.00	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	
	25	TC	8.36	8.36	8.44	8.53	8.90	8.90	8.90	8.99	9.16	9.16	9.16	9.16	9.85	9.85	9.85	9.85	
		S/T	0.76	0.86	0.96	1.00	0.60	0.70	0.79	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.61	
		PI	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	
	30	TC	7.98	7.98	8.07	8.16	8.47	8.47	8.47	8.56	8.73	8.73	8.73	8.73	9.42	9.42	9.42	9.42	
		S/T	0.77	0.88	0.99	1.00	0.60	0.71	0.81	0.91	0.53	0.63	0.73	0.83	0.35	0.44	0.53	0.62	
		PI	2.41	2.41	2.41	2.41	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.43	2.43	2.43	2.43	
	35	TC	7.58	7.67	7.75	7.84	8.07	8.07	8.07	8.16	8.33	8.33	8.44	8.33	8.96	8.96	8.96	8.96	
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.73	0.84	0.34	0.44	0.54	0.63	
		PI	2.63	2.63	2.63	2.63	2.64	2.64	2.64	2.64	2.65	2.65	2.65	2.65	2.66	2.66	2.66	2.66	
	40	TC	7.12	7.19	7.26	7.34	7.59	7.59	7.59	7.66	7.82	7.82	7.89	7.86	8.44	8.44	8.44	8.44	
		S/T	0.82	0.94	1.00	1.00	0.63	0.74	0.86	0.98	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.66	
		PI	2.90	2.90	2.90	2.90	2.91	2.91	2.91	2.91	2.92	2.92	2.92	2.92	2.93	2.93	2.93	2.93	
	46	TC	6.59	6.64	6.70	6.76	7.04	7.04	7.04	7.10	7.25	7.25	7.25	7.33	7.85	7.85	7.85	7.85	
		S/T	0.83	0.96	1.00	1.00	0.63	0.76	0.88	1.00	0.54	0.66	0.78	0.90	0.33	0.45	0.56	0.67	
		PI	3.22	3.22	3.22	3.22	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.27	3.27	3.27	3.27	
	50	TC	6.19	6.24	6.30	6.36	6.62	6.62	6.67	6.73	6.82	6.82	6.82	6.87	7.39	7.39	7.39	7.39	
		S/T	0.85	0.99	1.00	1.00	0.64	0.78	0.90	1.00	0.55	0.68	0.80	0.93	0.33	0.45	0.57	0.68	
		PI	3.49	3.49	3.49	3.49	3.51	3.51	3.51	3.51	3.52	3.52	3.52	3.52	3.55	3.55	3.55	3.55	
	1530	-15	TC	9.40	9.49	9.58	9.67	9.89	9.89	9.89	9.98	10.12	10.12	10.12	10.12	10.76	10.76	10.76	10.76
			S/T	0.76	0.87	0.98	1.00	0.59	0.70	0.80	0.90	0.51	0.61	0.71	0.82	0.33	0.42	0.52	0.62
			PI	1.87	1.87	1.87	1.87	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86
		-10	TC	9.35	9.44	9.53	9.62	9.83	9.83	9.83	9.92	10.06	10.06	10.06	10.06	10.73	10.73	10.73	10.73
			S/T	0.77	0.87	0.99	1.00	0.59	0.70	0.81	0.90	0.51	0.61	0.72	0.82	0.33	0.43	0.52	0.62
			PI	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86
-5		TC	9.29	9.38	9.47	9.56	9.80	9.80	9.80	9.89	10.03	10.03	10.03	10.03	10.70	10.70	10.70	10.70	
		S/T	0.77	0.88	0.99	1.00	0.59	0.70	0.81	0.91	0.52	0.61	0.72	0.83	0.33	0.43	0.53	0.62	
		PI	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	
0		TC	9.24	9.33	9.42	9.51	9.76	9.76	9.76	9.85	10.00	10.00	10.00	10.00	10.69	10.69	10.69	10.69	
		S/T	0.77	0.88	1.00	1.00	0.60	0.71	0.81	0.91	0.52	0.62	0.73	0.83	0.33	0.43	0.53	0.63	
		PI	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	
5		TC	9.20	9.29	9.37	9.46	9.72	9.72	9.72	9.81	9.97	9.97	9.97	9.97	10.68	10.68	10.68	10.68	
		S/T	0.78	0.89	1.00	1.00	0.60	0.71	0.82	0.92	0.52	0.62	0.73	0.84	0.33	0.43	0.53	0.63	
		PI	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	
10		TC	9.14	9.23	9.32	9.41	9.68	9.68	9.68	9.77	9.93	9.93	9.93	9.93	10.65	10.65	10.65	10.65	
		S/T	0.78	0.89	1.00	1.00	0.60	0.71	0.82	0.92	0.52	0.62	0.73	0.84	0.34	0.44	0.53	0.63	
		PI	1.91	1.91	1.91	1.91	1.90	1.90	1.90	1.90	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	
15		TC	9.07	9.15	9.24	9.33	9.61	9.61	9.61	9.70	9.87	9.87	9.87	9.87	10.61	10.61	10.61	10.61	
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.74	0.85	0.34	0.44	0.54	0.64	
		PI	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	
20		TC	8.96	9.05	9.14	9.22	9.51	9.51	9.51	9.60	9.77	9.77	9.77	9.77	10.52	10.52	10.52	10.52	
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.74	0.85	0.34	0.44	0.54	0.64	
		PI	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	
25		TC	8.53	8.62	8.71	8.79	9.08	9.08	9.08	9.17	9.34	9.34	9.34	9.34	10.06	10.06	10.06	10.06	
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.84	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.65	
		PI	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23		

1700	-15	TC	9.58	9.67	9.76	9.85	10.07	10.07	10.07	10.16	10.32	10.32	10.32	10.32	10.97	10.97	10.97	10.97
		S/T	0.78	0.90	1.00	1.00	0.60	0.71	0.83	0.98	0.52	0.63	0.74	0.85	0.33	0.42	0.53	0.64
		PI	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.89	1.89	1.89	1.89
	-10	TC	9.53	9.62	9.71	9.80	10.01	10.01	10.01	10.10	10.27	10.27	10.27	10.27	10.93	10.93	10.93	10.93
		S/T	0.79	0.90	1.00	1.00	0.60	0.72	0.83	0.98	0.52	0.63	0.75	0.85	0.33	0.43	0.53	0.64
		PI	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90
	-5	TC	9.47	9.56	9.65	9.74	9.98	9.98	9.98	10.06	10.23	10.23	10.23	10.23	10.90	10.90	10.90	10.90
		S/T	0.79	0.91	1.00	1.00	0.60	0.72	0.84	0.99	0.53	0.63	0.75	0.86	0.33	0.43	0.54	0.64
		PI	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90
	0	TC	9.42	9.51	9.60	9.69	9.94	9.94	9.94	10.03	10.21	10.21	10.21	10.21	10.89	10.89	10.89	10.89
		S/T	0.79	0.91	1.00	1.00	0.61	0.73	0.84	0.99	0.53	0.64	0.75	0.86	0.33	0.43	0.54	0.65
		PI	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.91	1.91	1.91	1.91
	5	TC	9.37	9.46	9.55	9.64	9.90	9.90	9.90	9.99	10.17	10.17	10.17	10.17	10.88	10.88	10.88	10.88
		S/T	0.80	0.92	1.00	1.00	0.61	0.73	0.85	1.00	0.53	0.64	0.76	0.87	0.33	0.43	0.54	0.65
		PI	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
	10	TC	9.32	9.41	9.49	9.58	9.85	9.85	9.85	9.94	10.13	10.13	10.13	10.13	10.86	10.86	10.86	10.86
		S/T	0.80	0.92	1.00	1.00	0.61	0.73	0.85	1.00	0.53	0.64	0.76	0.87	0.34	0.44	0.54	0.65
		PI	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94
	15	TC	9.24	9.33	9.42	9.50	9.79	9.79	9.79	9.87	10.07	10.07	10.07	10.07	10.81	10.81	10.81	10.81
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.86	0.97	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.66
		PI	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99
	20	TC	9.14	9.22	9.31	9.40	9.68	9.68	9.68	9.77	9.97	9.97	9.97	9.97	10.72	10.72	10.72	10.72
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.86	0.97	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.66
		PI	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.05
	25	TC	8.71	8.79	8.88	8.96	9.25	9.25	9.25	9.34	9.54	9.54	9.54	9.63	10.26	10.26	10.26	10.26
		S/T	0.83	0.95	1.00	1.00	0.63	0.76	0.88	1.00	0.54	0.66	0.78	0.90	0.33	0.45	0.56	0.67
		PI	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
	30	TC	8.30	8.39	8.48	8.56	8.82	8.82	8.91	8.99	9.11	9.11	9.11	9.19	9.80	9.80	9.80	9.80
		S/T	0.84	0.98	1.00	1.00	0.64	0.77	0.90	1.00	0.55	0.67	0.80	0.92	0.33	0.45	0.56	0.68
		PI	2.50	2.50	2.50	2.50	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.52	2.52	2.52	2.52
	35	TC	7.90	7.99	8.07	8.16	8.39	8.39	8.48	8.56	8.65	8.65	8.79	8.88	9.34	9.34	9.34	9.34
		S/T	0.86	1.00	1.00	1.00	0.65	0.79	0.92	1.00	0.55	0.69	0.81	0.94	0.33	0.45	0.57	0.70
		PI	2.73	2.73	2.73	2.73	2.74	2.74	2.74	2.74	2.75	2.75	2.75	2.75	2.76	2.76	2.76	2.76
	40	TC	7.44	7.51	7.58	7.66	7.93	7.93	8.01	8.10	8.17	8.17	8.25	8.34	8.84	8.84	8.84	8.84
		S/T	0.90	1.00	1.00	1.00	0.67	0.82	0.97	1.00	0.57	0.71	0.85	0.99	0.32	0.46	0.59	0.90
		PI	3.01	3.01	3.01	3.01	3.03	3.03	3.03	3.03	3.04	3.04	3.04	3.04	3.06	3.06	3.06	3.06
	46	TC	6.87	6.93	6.99	7.05	7.36	7.36	7.45	7.53	7.59	7.59	7.59	7.68	8.23	8.23	8.23	8.23
		S/T	0.92	1.00	1.00	1.00	0.68	0.84	0.99	1.00	0.57	0.72	0.87	1.00	0.32	0.46	0.60	0.92
		PI	3.35	3.35	3.35	3.35	3.37	3.37	3.37	3.37	3.38	3.38	3.38	3.38	3.41	3.41	3.41	3.41
	50	TC	6.47	6.53	6.59	6.64	6.90	6.90	6.96	7.02	7.13	7.13	7.19	7.28	7.74	7.74	7.74	7.74
		S/T	0.95	1.00	1.00	1.00	0.70	0.86	1.00	1.00	0.58	0.74	0.90	1.00	0.32	0.47	0.61	0.97
		PI	3.63	3.63	3.63	3.63	3.64	3.64	3.64	3.64	3.65	3.65	3.65	3.65	3.68	3.68	3.68	3.68

TC:Total Cooling Capacity (kW)

S/T:Sensible Cooling Capacity Ratio

PI:Power Input(kW)

Note: The table shows the case where the operation frequency of a compressor is fixed.

36k+MOD30U-36HFN8-QRDOW(GA)																		
INDOOR AIRFLOW (CMH)	OUTDOOR DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0
1300	-15	TC	11.05	11.06	11.06	11.18	11.63	11.87	11.87	11.87	11.90	11.90	11.90	11.90	12.65	12.65	12.65	12.65
		S/T	0.69	0.77	0.85	0.93	0.56	0.63	0.70	0.78	0.49	0.57	0.64	0.71	0.36	0.42	0.49	0.56
		PI	2.63	2.63	2.63	2.63	2.62	2.62	2.62	2.62	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61
	-10	TC	10.99	11.00	11.00	11.11	11.56	11.80	11.80	11.80	11.84	11.84	11.84	11.84	12.60	12.60	12.60	12.60
		S/T	0.69	0.78	0.85	0.93	0.56	0.63	0.71	0.79	0.49	0.57	0.64	0.72	0.36	0.43	0.49	0.56
		PI	2.62	2.61	2.61	2.62	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.62	2.62	2.62	2.62
	-5	TC	10.92	10.93	10.93	11.05	11.52	11.76	11.76	11.76	11.80	11.80	11.80	11.80	12.57	12.57	12.57	12.57
		S/T	0.69	0.78	0.86	0.94	0.57	0.64	0.71	0.79	0.50	0.58	0.64	0.72	0.36	0.43	0.50	0.57
		PI	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.62	2.62	2.62	2.62
	0	TC	10.87	10.87	10.87	10.99	11.47	11.71	11.71	11.71	11.77	11.77	11.77	11.77	12.56	12.56	12.56	12.56
		S/T	0.70	0.78	0.86	0.94	0.57	0.64	0.72	0.79	0.50	0.58	0.65	0.73	0.36	0.43	0.50	0.57
		PI	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.63	2.63	2.63	2.63
	5	TC	10.81	10.82	10.82	10.94	11.43	11.67	11.67	11.67	11.73	11.73	11.73	11.73	12.55	12.55	12.55	12.55
		S/T	0.70	0.79	0.87	0.95	0.57	0.64	0.72	0.80	0.50	0.58	0.65	0.73	0.36	0.43	0.50	0.57
		PI	2.65	2.64	2.64	2.65	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.65	2.65	2.65	2.65
	10	TC	10.75	10.75	10.75	10.87	11.38	11.61	11.61	11.61	11.68	11.68	11.68	11.68	12.52	12.52	12.52	12.52
		S/T	0.70	0.79	0.87	0.95	0.57	0.65	0.72	0.80	0.50	0.58	0.65	0.73	0.37	0.44	0.50	0.57
		PI	2.69	2.69	2.69	2.69	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68
	15	TC	10.66	10.67	10.67	10.78	11.30	11.54	11.54	11.54	11.61	11.61	11.61	11.61	12.46	12.46	12.46	12.46
		S/T	0.71	0.80	0.88	0.96	0.58	0.65	0.73	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58
		PI	2.76	2.75	2.75	2.76	2.75	2.75	2.75	2.75	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74
	20	TC	10.54	10.55	10.55	10.66	11.18	11.18	11.18	11.18	11.50	11.50	11.50	11.50	12.36	12.36	12.36	12.36
		S/T	0.71	0.80	0.88	0.96	0.58	0.65	0.73	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58
		PI	2.85	2.85	2.85	2.85	2.84	2.84	2.84	2.84	2.83	2.83	2.83	2.83	2.82	2.82	2.82	2.82
	25	TC	10.06	10.06	10.17	10.29	10.69	10.69	10.69	10.69	11.01	11.01	11.01	11.01	11.84	11.84	11.84	11.84
		S/T	0.72	0.81	0.89	0.97	0.58	0.66	0.74	0.82	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14
	30	TC	9.57	9.57	9.66	9.74	10.20	10.20	10.20	10.20	10.49	10.49	10.49	10.49	11.32	11.32	11.32	11.32
		S/T	0.73	0.82	0.91	1.00	0.58	0.67	0.75	0.84	0.52	0.60	0.68	0.77	0.36	0.44	0.51	0.59
		PI	3.44	3.44	3.44	3.44	3.45	3.45	3.45	3.45	3.46	3.46	3.46	3.46	3.47	3.47	3.47	3.47
	35	TC	9.11	9.11	9.20	9.28	9.68	9.68	9.68	9.68	10.00	10.00	10.14	10.00	10.78	10.78	10.78	10.78
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.60	0.69	0.78	0.36	0.44	0.52	0.60
		PI	3.76	3.76	3.76	3.76	3.78	3.78	3.78	3.78	3.78	3.78	3.79	3.78	3.81	3.81	3.81	3.81
	40	TC	8.58	8.58	8.66	8.75	9.14	9.14	9.14	9.18	9.43	9.43	9.51	9.43	10.18	10.18	10.18	10.18
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.61
		PI	4.15	4.15	4.15	4.15	4.17	4.17	4.17	4.17	4.18	4.18	4.18	4.18	4.21	4.21	4.21	4.21
	46	TC	7.93	7.93	8.02	8.10	8.48	8.48	8.48	8.56	8.74	8.74	8.74	8.74	9.46	9.46	9.46	9.46
		S/T	0.77	0.88	0.99	1.00	0.60	0.71	0.81	0.91	0.53	0.63	0.73	0.83	0.35	0.44	0.53	0.62
		PI	4.62	4.62	4.62	4.62	4.64	4.64	4.64	4.64	4.65	4.65	4.65	4.65	4.69	4.69	4.69	4.69
	50	TC	7.44	7.53	7.62	7.70	7.96	7.96	7.96	8.05	8.22	8.22	8.22	8.22	8.91	8.91	8.91	8.91
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.94	0.53	0.64	0.74	0.85	0.34	0.44	0.54	0.64
		PI	5.00	5.00	5.00	5.00	5.02	5.02	5.02	5.02	5.03	5.03	5.03	5.03	5.07	5.07	5.07	5.07
1530	-15	TC	11.28	11.28	11.40	11.52	11.87	11.87	11.87	11.87	12.15	12.15	12.15	12.15	12.92	12.92	12.92	12.92
		S/T	0.71	0.81	0.98	1.00	0.57	0.66	0.74	0.83	0.50	0.59	0.67	0.75	0.35	0.42	0.50	0.58
		PI	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
	-10	TC	11.21	11.21	11.33	11.45	11.80	11.80	11.80	11.80	12.08	12.08	12.08	12.08	12.87	12.87	12.87	12.87
		S/T	0.72	0.82	0.99	1.00	0.57	0.66	0.75	0.83	0.50	0.59	0.67	0.76	0.35	0.43	0.50	0.58
		PI	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
	-5	TC	11.14	11.14	11.26	11.38	11.76	11.76	11.76	11.76	12.04	12.04	12.04	12.04	12.84	12.84	12.84	12.84
		S/T	0.72	0.82	0.99	1.00	0.58	0.66	0.75	0.84	0.51	0.59	0.67	0.76	0.35	0.43	0.51	0.59
		PI	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
	0	TC	11.09	11.09	11.21	11.32	11.71	11.71	11.71	11.71	12.01	12.01	12.01	12.01	12.83	12.83	12.83	12.83
		S/T	0.73	0.82	1.00	1.00	0.58	0.67	0.75	0.84	0.51	0.60	0.68	0.76	0.35	0.43	0.51	0.59
		PI	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68
	5	TC	11.03	11.03	11.15	11.27	11.67	11.67	11.67	11.67	11.97	11.97	11.97	11.97	12.82	12.82	12.82	12.82
		S/T	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.85	0.51	0.60	0.68	0.77	0.35	0.43	0.51	0.59
		PI	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
	10	TC	10.96	10.96	11.08	11.20	11.61	11.61	11.61	11.61	11.92	11.92	11.92	11.92	12.78	12.78	12.78	12.78
		S/T	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.85	0.51	0.60	0.68	0.77	0.36	0.44	0.51	0.59
		PI	2.75	2.75	2.75	2.75	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74
	15	TC	10.87	10.87	10.99	11.11	11.54	11.54	11.54	11.54	11.85	11.85	11.85	11.85	12.73	12.73	12.73	12.73
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.69	0.78	0.36	0.44	0.52	0.60
		PI	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
	20	TC	10.75	10.75	10.87	10.98	11.41	11.41	11.41	11.41	11.73	11.73	11.73	11.73	12.62	12.62	12.62	12.62
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.69	0.78	0.36	0.44	0.52	0.60
		PI	2.91	2.91	2.91	2.91	2.90	2.90	2.90	2.90	2.89	2.89	2.89	2.89	2.88	2.88	2.88	2.88
	25	TC	10.26															

1700	-15	TC	11.49	11.49	11.61	11.73	12.08	12.08	12.08	12.20	12.38	12.38	12.38	12.38	13.15	13.15	13.15	13.15
		S/T	0.73	0.83	1.00	1.00	0.58	0.68	0.76	0.98	0.50	0.60	0.69	0.78	0.34	0.42	0.51	0.60
		PI	2.74	2.74	2.74	2.74	2.73	2.73	2.73	2.73	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72
	-10	TC	11.42	11.42	11.54	11.66	12.01	12.01	12.01	12.13	12.32	12.32	12.32	12.32	13.11	13.11	13.11	13.11
		S/T	0.74	0.83	1.00	1.00	0.58	0.68	0.77	0.98	0.50	0.60	0.69	0.79	0.34	0.43	0.51	0.60
		PI	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.73	2.73	2.73	2.73
	-5	TC	11.35	11.35	11.47	11.59	11.97	11.97	11.97	12.08	12.28	12.28	12.28	12.28	13.07	13.07	13.07	13.07
		S/T	0.74	0.84	1.00	1.00	0.59	0.68	0.77	0.99	0.51	0.60	0.69	0.79	0.34	0.43	0.52	0.60
		PI	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.73	2.73	2.73	2.73
	0	TC	11.29	11.29	11.41	11.53	11.92	11.92	11.92	12.04	12.24	12.24	12.24	12.24	13.06	13.06	13.06	13.06
		S/T	0.74	0.84	1.00	1.00	0.59	0.69	0.77	0.99	0.51	0.61	0.70	0.79	0.34	0.43	0.52	0.61
		PI	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.74	2.74	2.74	2.74
	5	TC	11.24	11.24	11.36	11.47	11.87	11.87	11.87	11.99	12.20	12.20	12.20	12.20	13.05	13.05	13.05	13.05
		S/T	0.75	0.85	1.00	1.00	0.59	0.69	0.78	1.00	0.51	0.61	0.70	0.80	0.34	0.43	0.52	0.61
		PI	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.75	2.75	2.75	2.75	2.76	2.76	2.76	2.76
	10	TC	11.17	11.17	11.29	11.40	11.82	11.82	11.82	11.94	12.15	12.15	12.15	12.15	13.02	13.02	13.02	13.02
		S/T	0.75	0.85	1.00	1.00	0.59	0.69	0.78	1.00	0.51	0.61	0.70	0.80	0.35	0.44	0.52	0.61
		PI	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.79	2.79	2.79	2.79	2.80	2.80	2.80	2.80
	15	TC	11.08	11.08	11.19	11.31	11.74	11.74	11.74	11.86	12.08	12.08	12.08	12.08	12.96	12.96	12.96	12.96
		S/T	0.76	0.86	0.96	1.00	0.60	0.70	0.79	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.62
		PI	2.87	2.87	2.87	2.87	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.85	2.85	2.85	2.85
	20	TC	10.95	10.95	11.07	11.18	11.61	11.61	11.61	11.73	11.96	11.96	11.96	11.96	12.85	12.85	12.85	12.85
		S/T	0.76	0.86	0.96	1.00	0.60	0.70	0.79	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.62
		PI	2.97	2.97	2.97	2.97	2.96	2.96	2.96	2.96	2.95	2.95	2.95	2.95	2.94	2.94	2.94	2.94
	25	TC	10.46	10.46	10.58	10.69	11.10	11.10	11.10	11.21	11.44	11.44	11.44	11.44	12.30	12.30	12.30	12.30
		S/T	0.77	0.88	0.98	1.00	0.60	0.71	0.81	0.91	0.53	0.63	0.73	0.83	0.35	0.44	0.53	0.62
		PI	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27
	30	TC	9.98	10.06	10.18	10.29	10.61	10.61	10.61	10.72	10.92	10.92	10.92	10.92	11.76	11.76	11.76	11.76
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.74	0.84	0.34	0.44	0.54	0.63
		PI	3.59	3.59	3.59	3.59	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.62	3.62	3.62	3.62
	35	TC	9.46	9.54	9.63	9.72	10.06	10.06	10.06	10.18	10.38	10.38	10.55	10.38	11.21	11.21	11.21	11.21
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.85	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.65
		PI	3.92	3.92	3.92	3.92	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.95	3.94	3.97	3.97	3.97
	40	TC	8.83	8.91	9.00	9.08	9.40	9.40	9.44	9.54	9.70	9.70	9.79	9.74	10.50	10.50	10.50	10.50
		S/T	0.83	0.96	1.00	1.00	0.63	0.76	0.88	1.00	0.54	0.66	0.78	0.90	0.33	0.45	0.56	0.90
		PI	4.32	4.32	4.32	4.32	4.34	4.34	4.34	4.34	4.35	4.35	4.36	4.35	4.39	4.39	4.39	4.39
	46	TC	8.17	8.26	8.35	8.43	8.72	8.72	8.80	8.89	9.00	9.00	9.00	9.09	9.77	9.77	9.77	9.77
		S/T	0.85	0.98	1.00	1.00	0.64	0.77	0.90	1.00	0.55	0.67	0.80	0.92	0.33	0.45	0.56	0.92
		PI	4.81	4.81	4.81	4.81	4.83	4.83	4.83	4.83	4.85	4.85	4.85	4.85	4.89	4.89	4.89	4.89
	50	TC	7.66	7.75	7.83	7.92	8.20	8.20	8.29	8.37	8.49	8.49	8.49	8.57	9.20	9.20	9.20	9.20
		S/T	0.87	1.00	1.00	1.00	0.65	0.79	0.93	1.00	0.55	0.69	0.82	0.95	0.33	0.45	0.57	0.97
		PI	5.21	5.21	5.21	5.21	5.23	5.23	5.23	5.23	5.25	5.25	5.25	5.25	5.29	5.29	5.29	5.29

TC:Total Cooling Capacity (kW)

S/T:Sensible Cooling Capacity Ratio

PI:Power Input(kW)

Note: The table shows the case where the operation frequency of a compressor is fixed.

36k+MOD30U-36HFN8-RRDOW(GA)																		
INDOOR AIRFLOW (CMH)	OUTDOOR DB (°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0
1300	-15	TC	11.05	11.06	11.06	11.18	11.63	11.87	11.87	11.87	11.90	11.90	11.90	11.90	12.65	12.65	12.65	12.65
		S/T	0.69	0.77	0.85	0.93	0.56	0.63	0.70	0.78	0.49	0.57	0.64	0.71	0.36	0.42	0.49	0.56
		PI	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65
	-10	TC	10.99	11.00	11.00	11.11	11.56	11.80	11.80	11.80	11.84	11.84	11.84	11.84	12.60	12.60	12.60	12.60
		S/T	0.69	0.78	0.85	0.93	0.56	0.63	0.71	0.79	0.49	0.57	0.64	0.72	0.36	0.43	0.49	0.56
		PI	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65
	-5	TC	10.92	10.93	10.93	11.05	11.52	11.76	11.76	11.76	11.80	11.80	11.80	11.80	12.57	12.57	12.57	12.57
		S/T	0.69	0.78	0.86	0.94	0.57	0.64	0.71	0.79	0.50	0.58	0.64	0.72	0.36	0.43	0.50	0.57
		PI	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.66	2.66	2.66	2.66
	0	TC	10.87	10.87	10.87	10.99	11.47	11.71	11.71	11.71	11.77	11.77	11.77	11.77	12.56	12.56	12.56	12.56
		S/T	0.70	0.78	0.86	0.94	0.57	0.64	0.72	0.79	0.50	0.58	0.65	0.73	0.36	0.43	0.50	0.57
		PI	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.67	2.67	2.67	2.67
	5	TC	10.81	10.82	10.82	10.94	11.43	11.67	11.67	11.67	11.73	11.73	11.73	11.73	12.55	12.55	12.55	12.55
		S/T	0.70	0.79	0.87	0.95	0.57	0.64	0.72	0.80	0.50	0.58	0.65	0.73	0.36	0.43	0.50	0.57
		PI	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.69	2.69	2.69	2.69
	10	TC	10.75	10.75	10.75	10.87	11.38	11.61	11.61	11.61	11.68	11.68	11.68	11.68	12.52	12.52	12.52	12.52
		S/T	0.70	0.79	0.87	0.95	0.57	0.65	0.72	0.80	0.50	0.58	0.65	0.73	0.37	0.44	0.50	0.57
		PI	2.73	2.73	2.73	2.73	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72
	15	TC	10.66	10.67	10.67	10.78	11.30	11.54	11.54	11.54	11.61	11.61	11.61	11.61	12.46	12.46	12.46	12.46
		S/T	0.71	0.80	0.88	0.96	0.58	0.65	0.73	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58
		PI	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78
	20	TC	10.54	10.55	10.55	10.66	11.18	11.18	11.18	11.18	11.50	11.50	11.50	11.50	12.36	12.36	12.36	12.36
		S/T	0.71	0.80	0.88	0.96	0.58	0.65	0.73	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58
		PI	2.89	2.89	2.89	2.89	2.88	2.88	2.88	2.88	2.87	2.87	2.87	2.87	2.86	2.86	2.86	2.86
	25	TC	10.06	10.06	10.17	10.29	10.69	10.69	10.69	10.69	11.01	11.01	11.01	11.01	11.84	11.84	11.84	11.84
		S/T	0.72	0.81	0.89	0.97	0.58	0.66	0.74	0.82	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19
	30	TC	9.57	9.57	9.66	9.74	10.20	10.20	10.20	10.20	10.49	10.49	10.49	10.49	11.32	11.32	11.32	11.32
		S/T	0.73	0.82	0.91	1.00	0.58	0.67	0.75	0.84	0.52	0.60	0.68	0.77	0.36	0.44	0.51	0.59
		PI	3.49	3.49	3.49	3.49	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.52	3.52	3.52	3.52
	35	TC	9.11	9.11	9.20	9.28	9.68	9.68	9.68	9.68	10.00	10.00	10.14	10.00	10.78	10.78	10.78	10.78
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.60	0.69	0.78	0.36	0.44	0.52	0.60
		PI	3.81	3.81	3.81	3.81	3.83	3.83	3.83	3.83	3.83	3.83	3.84	3.83	3.86	3.86	3.86	3.86
	40	TC	8.58	8.58	8.66	8.75	9.14	9.14	9.14	9.18	9.43	9.43	9.51	9.43	10.18	10.18	10.18	10.18
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.61
		PI	4.21	4.21	4.21	4.21	4.23	4.23	4.23	4.23	4.23	4.23	4.24	4.23	4.26	4.26	4.26	4.26
	46	TC	7.93	7.93	8.02	8.10	8.48	8.48	8.48	8.56	8.74	8.74	8.74	8.74	9.46	9.46	9.46	9.46
		S/T	0.77	0.88	0.99	1.00	0.60	0.71	0.81	0.91	0.53	0.63	0.73	0.83	0.35	0.44	0.53	0.62
		PI	4.68	4.68	4.68	4.68	4.70	4.70	4.70	4.70	4.71	4.71	4.71	4.71	4.75	4.75	4.75	4.75
	50	TC	7.44	7.53	7.62	7.70	7.96	7.96	7.96	8.05	8.22	8.22	8.22	8.22	8.91	8.91	8.91	8.91
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.94	0.53	0.64	0.74	0.85	0.34	0.44	0.54	0.64
		PI	5.06	5.06	5.06	5.06	5.09	5.09	5.09	5.09	5.10	5.10	5.10	5.10	5.14	5.14	5.14	5.14
1530	-15	TC	11.28	11.28	11.40	11.52	11.87	11.87	11.87	11.87	12.15	12.15	12.15	12.15	12.92	12.92	12.92	12.92
		S/T	0.71	0.81	0.98	1.00	0.57	0.66	0.74	0.83	0.50	0.59	0.67	0.75	0.35	0.42	0.50	0.58
		PI	2.72	2.72	2.72	2.72	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71
	-10	TC	11.21	11.21	11.33	11.45	11.80	11.80	11.80	11.80	12.08	12.08	12.08	12.08	12.87	12.87	12.87	12.87
		S/T	0.72	0.82	0.99	1.00	0.57	0.66	0.75	0.83	0.50	0.59	0.67	0.76	0.35	0.43	0.50	0.58
		PI	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.70	2.70	2.70	2.70	2.71	2.71	2.71	2.71
	-5	TC	11.14	11.14	11.26	11.38	11.76	11.76	11.76	11.76	12.04	12.04	12.04	12.04	12.84	12.84	12.84	12.84
		S/T	0.72	0.82	0.99	1.00	0.58	0.66	0.75	0.84	0.51	0.59	0.67	0.76	0.35	0.43	0.51	0.59
		PI	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.71	2.71	2.71	2.71
	0	TC	11.09	11.09	11.21	11.32	11.71	11.71	11.71	11.71	12.01	12.01	12.01	12.01	12.83	12.83	12.83	12.83
		S/T	0.73	0.82	1.00	1.00	0.58	0.67	0.75	0.84	0.51	0.60	0.68	0.76	0.35	0.43	0.51	0.59
		PI	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.72	2.72	2.72	2.72
	5	TC	11.03	11.03	11.15	11.27	11.67	11.67	11.67	11.67	11.97	11.97	11.97	11.97	12.82	12.82	12.82	12.82
		S/T	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.85	0.51	0.60	0.68	0.77	0.35	0.43	0.51	0.59
		PI	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.73	2.73	2.73	2.73	2.74	2.74	2.74	2.74
	10	TC	10.96	10.96	11.08	11.20	11.61	11.61	11.61	11.61	11.92	11.92	11.92	11.92	12.78	12.78	12.78	12.78
		S/T	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.85	0.51	0.60	0.68	0.77	0.36	0.44	0.51	0.59
		PI	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.77	2.77	2.77	2.77	2.78	2.78	2.78	2.78
	15	TC	10.87	10.87	10.99	11.11	11.54	11.54	11.54	11.54	11.85	11.85	11.85	11.85	12.73	12.73	12.73	12.73
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.69	0.78	0.36	0.44	0.52	0.60
		PI	2.85	2.85	2.85	2.85	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84
	20	TC	10.75	10.75	10.87	10.98	11.41	11.41	11.41	11.41	11.73	11.73	11.73	11.73	12.62	12.62	12.62	12.62
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.69	0.78	0.36	0.44	0.52	0.60
		PI	2.95	2.95	2.95	2.95	2.94	2.94	2.94	2.94	2.93	2.93	2.93	2.93	2.92	2.92	2.92	2.92
25	TC	1																

1700	-15	TC	11.49	11.49	11.61	11.73	12.08	12.08	12.08	12.20	12.38	12.38	12.38	12.38	13.15	13.15	13.15	13.15
		S/T	0.73	0.83	1.00	1.00	0.58	0.68	0.76	0.98	0.50	0.60	0.69	0.78	0.34	0.42	0.51	0.60
		PI	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
	-10	TC	11.42	11.42	11.54	11.66	12.01	12.01	12.01	12.13	12.32	12.32	12.32	12.32	13.11	13.11	13.11	13.11
		S/T	0.74	0.83	1.00	1.00	0.58	0.68	0.77	0.98	0.50	0.60	0.69	0.79	0.34	0.43	0.51	0.60
		PI	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
	-5	TC	11.35	11.35	11.47	11.59	11.97	11.97	11.97	12.08	12.28	12.28	12.28	12.28	13.07	13.07	13.07	13.07
		S/T	0.74	0.84	1.00	1.00	0.59	0.68	0.77	0.99	0.51	0.60	0.69	0.79	0.34	0.43	0.52	0.60
		PI	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.77	2.77	2.77	2.77
	0	TC	11.29	11.29	11.41	11.53	11.92	11.92	11.92	12.04	12.24	12.24	12.24	12.24	13.06	13.06	13.06	13.06
		S/T	0.74	0.84	1.00	1.00	0.59	0.69	0.77	0.99	0.51	0.61	0.70	0.79	0.34	0.43	0.52	0.61
		PI	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.78	2.78	2.78	2.78
	5	TC	11.24	11.24	11.36	11.47	11.87	11.87	11.87	11.99	12.20	12.20	12.20	12.20	13.05	13.05	13.05	13.05
		S/T	0.75	0.85	1.00	1.00	0.59	0.69	0.78	1.00	0.51	0.61	0.70	0.80	0.34	0.43	0.52	0.61
		PI	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.80	2.80	2.80	2.80
	10	TC	11.17	11.17	11.29	11.40	11.82	11.82	11.82	11.94	12.15	12.15	12.15	12.15	13.02	13.02	13.02	13.02
		S/T	0.75	0.85	1.00	1.00	0.59	0.69	0.78	1.00	0.51	0.61	0.70	0.80	0.35	0.44	0.52	0.61
		PI	2.84	2.84	2.84	2.84	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83
	15	TC	11.08	11.08	11.19	11.31	11.74	11.74	11.74	11.86	12.08	12.08	12.08	12.08	12.96	12.96	12.96	12.96
		S/T	0.76	0.86	0.96	1.00	0.60	0.70	0.79	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.62
		PI	2.91	2.91	2.91	2.91	2.90	2.90	2.90	2.90	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89
	20	TC	10.95	10.95	11.07	11.18	11.61	11.61	11.61	11.73	11.96	11.96	11.96	11.96	12.85	12.85	12.85	12.85
		S/T	0.76	0.86	0.96	1.00	0.60	0.70	0.79	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.62
		PI	3.01	3.01	3.01	3.01	3.00	3.00	3.00	3.00	2.99	2.99	2.99	2.99	2.98	2.98	2.98	2.98
	25	TC	10.46	10.46	10.58	10.69	11.10	11.10	11.10	11.21	11.44	11.44	11.44	11.44	12.30	12.30	12.30	12.30
		S/T	0.77	0.88	0.98	1.00	0.60	0.71	0.81	0.91	0.53	0.63	0.73	0.83	0.35	0.44	0.53	0.62
		PI	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31
	30	TC	9.98	10.06	10.18	10.29	10.61	10.61	10.61	10.72	10.92	10.92	10.92	10.92	11.76	11.76	11.76	11.76
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.74	0.84	0.34	0.44	0.54	0.63
		PI	3.63	3.63	3.63	3.63	3.64	3.64	3.64	3.64	3.65	3.65	3.65	3.65	3.66	3.66	3.66	3.66
	35	TC	9.46	9.54	9.63	9.72	10.06	10.06	10.06	10.18	10.38	10.38	10.55	10.38	11.21	11.21	11.21	11.21
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.85	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.65
		PI	3.97	3.97	3.97	3.97	3.99	3.99	3.99	3.99	3.99	3.99	4.00	3.99	4.02	4.02	4.02	4.02
	40	TC	8.83	8.91	9.00	9.08	9.40	9.40	9.44	9.54	9.70	9.70	9.79	9.74	10.50	10.50	10.50	10.50
		S/T	0.83	0.96	1.00	1.00	0.63	0.76	0.88	1.00	0.54	0.66	0.78	0.90	0.33	0.45	0.56	0.90
		PI	4.38	4.38	4.38	4.38	4.40	4.40	4.40	4.41	4.41	4.41	4.41	4.41	4.44	4.44	4.44	4.44
	46	TC	8.17	8.26	8.35	8.43	8.72	8.72	8.80	8.89	9.00	9.00	9.00	9.09	9.77	9.77	9.77	9.77
		S/T	0.85	0.98	1.00	1.00	0.64	0.77	0.90	1.00	0.55	0.67	0.80	0.92	0.33	0.45	0.56	0.92
		PI	4.87	4.87	4.87	4.87	4.89	4.89	4.89	4.89	4.91	4.91	4.91	4.91	4.95	4.95	4.95	4.95
	50	TC	7.66	7.75	7.83	7.92	8.20	8.20	8.29	8.37	8.49	8.49	8.49	8.57	9.20	9.20	9.20	9.20
		S/T	0.87	1.00	1.00	1.00	0.65	0.79	0.93	1.00	0.55	0.69	0.82	0.95	0.33	0.45	0.57	0.97
		PI	5.27	5.27	5.27	5.27	5.30	5.30	5.30	5.30	5.31	5.31	5.31	5.31	5.35	5.35	5.35	5.35

TC:Total Cooling Capacity (kW)

S/T:Sensible Cooling Capacity Ratio

PI:Power Input(kW)

Note: The table shows the case where the operation frequency of a compressor is fixed.

		42k																
INDOOR AIRFLOW (CMH)	OUTDOOR DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0
1600	-15	TC	12.59	12.60	12.72	12.84	13.24	13.51	13.51	13.51	13.57	13.57	13.57	13.57	14.41	14.41	14.41	14.41
		S/T	0.70	0.79	0.87	0.96	0.56	0.64	0.72	0.81	0.50	0.58	0.66	0.73	0.35	0.42	0.49	0.57
		PI	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79
	-10	TC	12.51	12.52	12.64	12.76	13.16	13.44	13.44	13.44	13.50	13.50	13.50	13.50	14.36	14.36	14.36	14.36
		S/T	0.71	0.80	0.87	0.96	0.56	0.65	0.73	0.82	0.50	0.58	0.66	0.74	0.35	0.43	0.49	0.57
		PI	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.78	2.78	2.78	2.78	2.79	2.79	2.79	2.79
	-5	TC	12.44	12.45	12.57	12.69	13.11	13.39	13.39	13.39	13.45	13.45	13.45	13.45	14.32	14.32	14.32	14.32
		S/T	0.71	0.80	0.88	0.97	0.57	0.65	0.73	0.82	0.51	0.59	0.66	0.74	0.35	0.43	0.50	0.58
		PI	2.79	2.78	2.78	2.79	2.79	2.79	2.79	2.79	2.78	2.78	2.78	2.78	2.80	2.80	2.80	2.80
	0	TC	12.38	12.39	12.50	12.62	13.06	13.34	13.34	13.34	13.41	13.41	13.41	13.41	14.31	14.31	14.31	14.31
		S/T	0.72	0.80	0.88	0.97	0.57	0.65	0.74	0.82	0.51	0.59	0.67	0.74	0.35	0.43	0.50	0.58
		PI	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.81	2.81	2.81	2.81
	5	TC	12.31	12.32	12.44	12.56	13.02	13.28	13.28	13.28	13.37	13.37	13.37	13.37	14.30	14.30	14.30	14.30
		S/T	0.72	0.81	0.89	0.98	0.57	0.66	0.74	0.83	0.51	0.59	0.67	0.75	0.35	0.43	0.50	0.58
		PI	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.83	2.83	2.83	2.83
	10	TC	12.24	12.25	12.37	12.48	12.95	13.22	13.22	13.22	13.31	13.31	13.31	13.31	14.26	14.26	14.26	14.26
		S/T	0.72	0.81	0.89	0.98	0.57	0.66	0.74	0.83	0.51	0.59	0.67	0.75	0.36	0.44	0.50	0.58
		PI	2.87	2.87	2.87	2.87	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86
	15	TC	12.14	12.15	12.27	12.38	12.87	13.13	13.13	13.13	13.23	13.23	13.23	13.23	14.20	14.20	14.20	14.20
		S/T	0.73	0.82	0.90	0.99	0.58	0.66	0.75	0.84	0.52	0.60	0.68	0.76	0.36	0.44	0.51	0.59
		PI	2.94	2.94	2.94	2.94	2.93	2.93	2.93	2.93	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92
	20	TC	12.00	12.01	12.13	12.24	12.73	12.73	12.73	12.73	13.10	13.10	13.10	13.10	14.08	14.08	14.08	14.08
		S/T	0.73	0.82	0.90	0.99	0.58	0.67	0.75	0.84	0.52	0.60	0.68	0.76	0.36	0.44	0.51	0.59
		PI	3.04	3.04	3.04	3.04	3.03	3.03	3.03	3.03	3.02	3.02	3.02	3.02	3.01	3.01	3.01	3.01
	25	TC	11.44	11.44	11.55	11.67	12.16	12.16	12.16	12.16	12.53	12.53	12.53	12.53	13.48	13.48	13.48	13.48
		S/T	0.74	0.83	0.92	1.00	0.59	0.67	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.52	0.60
		PI	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35
	30	TC	10.92	10.92	11.03	11.15	11.61	11.61	11.61	11.61	11.95	11.95	11.95	11.95	12.87	12.87	12.87	12.87
		S/T	0.75	0.84	0.94	1.00	0.59	0.68	0.78	0.87	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.60
		PI	3.67	3.67	3.67	3.67	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.70	3.70	3.70	3.70
	35	TC	10.37	10.37	10.49	10.60	11.03	11.03	11.03	11.15	11.38	11.38	11.55	11.38	12.27	12.27	12.27	12.27
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.62	0.71	0.81	0.35	0.44	0.52	0.61
		PI	4.01	4.01	4.01	4.01	4.03	4.03	4.03	4.03	4.03	4.03	4.04	4.03	4.06	4.06	4.06	4.06
	40	TC	9.68	9.71	9.82	9.92	10.32	10.32	10.32	10.42	10.65	10.65	10.74	10.65	11.49	11.49	11.49	11.49
		S/T	0.78	0.89	1.00	1.00	0.61	0.72	0.82	0.92	0.53	0.63	0.74	0.84	0.34	0.44	0.54	0.63
		PI	4.43	4.43	4.43	4.43	4.44	4.44	4.44	4.44	4.45	4.45	4.46	4.45	4.49	4.49	4.49	4.49
	46	TC	8.95	9.03	9.12	9.20	9.57	9.57	9.57	9.66	9.89	9.89	9.89	9.89	10.68	10.68	10.68	10.68
		S/T	0.80	0.91	1.00	1.00	0.62	0.73	0.84	0.94	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.64
		PI	4.92	4.92	4.92	4.92	4.94	4.94	4.94	4.94	4.96	4.96	4.96	4.96	5.00	5.00	5.00	5.00
	50	TC	8.40	8.49	8.57	8.66	8.97	8.97	8.97	9.06	9.29	9.29	9.29	9.29	10.06	10.06	10.06	10.06
		S/T	0.82	0.94	1.00	1.00	0.63	0.74	0.86	0.98	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.66
		PI	5.33	5.33	5.33	5.33	5.35	5.35	5.35	5.35	5.36	5.36	5.36	5.36	5.41	5.41	5.41	5.41
1750	-15	TC	12.84	12.84	12.96	13.08	13.51	13.51	13.51	13.51	13.84	13.84	13.84	13.84	14.71	14.71	14.71	14.71
		S/T	0.71	0.81	0.98	1.00	0.57	0.66	0.74	0.83	0.50	0.59	0.67	0.75	0.35	0.42	0.50	0.58
		PI	2.86	2.86	2.86	2.86	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.84	2.84	2.84	2.84
	-10	TC	12.77	12.77	12.89	13.01	13.44	13.44	13.44	13.44	13.77	13.77	13.77	13.77	14.66	14.66	14.66	14.66
		S/T	0.72	0.82	0.99	1.00	0.57	0.66	0.75	0.83	0.50	0.59	0.67	0.76	0.35	0.43	0.50	0.58
		PI	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.85	2.85	2.85	2.85
	-5	TC	12.69	12.69	12.81	12.93	13.39	13.39	13.39	13.39	13.72	13.72	13.72	13.72	14.62	14.62	14.62	14.62
		S/T	0.72	0.82	0.99	1.00	0.58	0.66	0.75	0.84	0.51	0.59	0.67	0.76	0.35	0.43	0.51	0.59
		PI	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.85	2.85	2.85	2.85
	0	TC	12.63	12.63	12.75	12.86	13.34	13.34	13.34	13.34	13.68	13.68	13.68	13.68	14.61	14.61	14.61	14.61
		S/T	0.73	0.82	1.00	1.00	0.58	0.67	0.75	0.84	0.51	0.60	0.68	0.76	0.35	0.43	0.51	0.59
		PI	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.86	2.86	2.86	2.86
	5	TC	12.56	12.56	12.68	12.80	13.28	13.28	13.28	13.28	13.64	13.64	13.64	13.64	14.60	14.60	14.60	14.60
		S/T	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.85	0.51	0.60	0.68	0.77	0.35	0.43	0.51	0.59
		PI	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.87	2.87	2.87	2.87	2.88	2.88	2.88	2.88
	10	TC	12.49	12.49	12.60	12.72	13.22	13.22	13.22	13.22	13.58	13.58	13.58	13.58	14.56	14.56	14.56	14.56
		S/T	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.85	0.51	0.60	0.68	0.77	0.36	0.44	0.51	0.59
		PI	2.93	2.93	2.93	2.93	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92
	15	TC	12.39	12.39	12.50	12.62	13.13	13.13	13.13	13.13	13.50	13.50	13.50	13.50	14.50	14.50	14.50	14.50
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.69	0.78	0.36	0.44	0.52	0.60
		PI	3.00	3.00	3.00	3.00	2.99	2.99	2.99	2.99	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98
	20	TC	12.25	12.25	12.36	12.48	12.99	12.99	12.99	12.99	13.37	13.37	13.37	13.37	14.37	14.37	14.37	14.37
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.69	0.78	0.36	0.44	0.52	0.60
		PI	3.10	3.10	3.10	3.10	3.09	3.09	3.09	3.09	3.08	3.08	3.08	3.08	3.07	3.07		

1900	-15	TC	13.08	13.08	13.20	13.33	13.78	13.78	13.78	13.78	14.11	14.11	14.11	14.11	14.97	14.97	14.97	14.97
		S/T	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.98	0.50	0.60	0.69	0.77	0.34	0.42	0.50	0.59
		PI	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90
	-10	TC	13.01	13.01	13.13	13.25	13.70	13.70	13.70	13.70	14.04	14.04	14.04	14.04	14.92	14.92	14.92	14.92
		S/T	0.74	0.83	1.00	1.00	0.58	0.67	0.77	0.98	0.50	0.60	0.69	0.78	0.34	0.43	0.50	0.59
		PI	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.89	2.89	2.89	2.89	2.90	2.90	2.90	2.90
	-5	TC	12.93	12.93	13.05	13.17	13.65	13.65	13.65	13.65	13.99	13.99	13.99	13.99	14.89	14.89	14.89	14.89
		S/T	0.74	0.84	1.00	1.00	0.59	0.67	0.77	0.99	0.51	0.60	0.69	0.78	0.34	0.43	0.51	0.59
		PI	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.91	2.91	2.91	2.91
	0	TC	12.86	12.86	12.98	13.10	13.60	13.60	13.60	13.60	13.95	13.95	13.95	13.95	14.87	14.87	14.87	14.87
		S/T	0.74	0.84	1.00	1.00	0.59	0.68	0.77	0.99	0.51	0.61	0.70	0.78	0.34	0.43	0.51	0.60
		PI	2.90	2.90	2.90	2.90	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.92	2.92	2.92	2.92
	5	TC	12.80	12.80	12.92	13.04	13.55	13.55	13.55	13.55	13.90	13.90	13.90	13.90	14.86	14.86	14.86	14.86
		S/T	0.75	0.85	1.00	1.00	0.59	0.68	0.78	1.00	0.51	0.61	0.70	0.79	0.34	0.43	0.51	0.60
		PI	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.94	2.94	2.94	2.94
	10	TC	12.72	12.72	12.84	12.96	13.48	13.48	13.48	13.48	13.85	13.85	13.85	13.85	14.82	14.82	14.82	14.82
		S/T	0.75	0.85	1.00	1.00	0.59	0.68	0.78	1.00	0.51	0.61	0.70	0.79	0.35	0.44	0.51	0.60
		PI	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.97	2.97	2.97	2.97	2.98	2.98	2.98	2.98
	15	TC	12.62	12.62	12.73	12.85	13.39	13.39	13.39	13.39	13.76	13.76	13.76	13.76	14.76	14.76	14.76	14.76
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.62	0.71	0.80	0.35	0.44	0.52	0.61
		PI	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04
	20	TC	12.48	12.48	12.59	12.71	13.25	13.25	13.25	13.25	13.63	13.63	13.63	13.63	14.63	14.63	14.63	14.63
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.62	0.71	0.80	0.35	0.44	0.52	0.61
		PI	3.16	3.16	3.16	3.16	3.15	3.15	3.15	3.15	3.14	3.14	3.14	3.14	3.13	3.13	3.13	3.13
	25	TC	11.90	11.90	12.02	12.13	12.65	12.65	12.65	12.76	13.02	13.02	13.02	13.02	14.03	14.03	14.03	14.03
		S/T	0.77	0.87	0.98	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48
	30	TC	11.36	11.47	11.59	11.70	12.07	12.07	12.07	12.19	12.45	12.45	12.45	12.45	13.40	13.40	13.40	13.40
		S/T	0.78	0.89	0.99	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.84	0.34	0.44	0.53	0.63
		PI	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.83	3.83	3.83	3.83	3.85	3.85	3.85	3.85
	35	TC	10.78	10.90	11.01	11.13	11.47	11.47	11.47	11.59	11.84	11.84	12.02	11.84	12.76	12.76	12.76	12.76
		S/T	0.79	0.91	1.00	1.00	0.62	0.73	0.84	0.94	0.53	0.64	0.74	0.86	0.34	0.44	0.54	0.64
		PI	4.17	4.17	4.17	4.17	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.20	4.19	4.22	4.22	4.22
	40	TC	10.15	10.25	10.36	10.46	10.82	10.82	10.86	10.97	11.16	11.16	11.26	11.22	12.06	12.06	12.06	12.06
		S/T	0.83	0.95	1.00	1.00	0.63	0.75	0.87	0.99	0.54	0.66	0.78	0.89	0.34	0.44	0.55	0.90
		PI	4.61	4.61	4.61	4.61	4.63	4.63	4.63	4.63	4.63	4.63	4.64	4.63	4.67	4.67	4.67	4.67
	46	TC	9.40	9.49	9.57	9.66	10.03	10.03	10.12	10.23	10.35	10.35	10.35	10.46	11.21	11.21	11.21	11.21
		S/T	0.84	0.97	1.00	1.00	0.64	0.77	0.89	1.00	0.55	0.67	0.79	0.91	0.33	0.45	0.56	0.92
		PI	5.13	5.13	5.13	5.13	5.15	5.15	5.15	5.15	5.16	5.16	5.16	5.16	5.21	5.21	5.21	5.21
	50	TC	8.82	8.91	9.00	9.08	9.43	9.43	9.51	9.60	9.74	9.74	9.74	9.83	10.58	10.58	10.58	10.58
		S/T	0.86	1.00	1.00	1.00	0.65	0.79	0.92	1.00	0.55	0.68	0.81	0.94	0.33	0.45	0.57	0.97
		PI	5.55	5.55	5.55	5.55	5.57	5.57	5.57	5.57	5.59	5.59	5.59	5.59	5.63	5.63	5.63	5.63

TC:Total Cooling Capacity (kW)

S/T:Sensible Cooling Capacity Ratio

PI:Power Input(kW)

Note: The table shows the case where the operation frequency of a compressor is fixed.

48k																		
INDOOR AIRFLOW (CMH)	OUTDOOR DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0
1600	-15	TC	14.70	14.69	14.69	14.84	15.46	15.79	15.79	15.79	15.84	15.84	15.84	15.84	16.83	16.83	16.83	16.83
		S/T	0.68	0.75	0.82	0.90	0.55	0.62	0.70	0.76	0.49	0.56	0.63	0.70	0.36	0.42	0.48	0.55
		PI	3.10	3.10	3.10	3.10	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09
	-10	TC	14.61	14.60	14.60	14.75	15.37	15.71	15.71	15.71	15.76	15.76	15.76	15.76	16.77	16.77	16.77	16.77
		S/T	0.68	0.76	0.82	0.90	0.55	0.62	0.70	0.77	0.49	0.56	0.63	0.70	0.36	0.43	0.49	0.55
		PI	3.09	3.08	3.08	3.09	3.09	3.09	3.09	3.09	3.08	3.08	3.08	3.08	3.09	3.09	3.09	3.09
	-5	TC	14.52	14.51	14.51	14.66	15.31	15.65	15.65	15.65	15.70	15.70	15.70	15.70	16.73	16.73	16.73	16.73
		S/T	0.68	0.76	0.83	0.91	0.56	0.63	0.70	0.77	0.50	0.57	0.63	0.70	0.36	0.43	0.49	0.56
		PI	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.09	3.09	3.09	3.09
	0	TC	14.45	14.44	14.44	14.59	15.26	15.59	15.59	15.59	15.66	15.66	15.66	15.66	16.71	16.71	16.71	16.71
		S/T	0.69	0.76	0.83	0.91	0.56	0.63	0.71	0.77	0.50	0.57	0.64	0.71	0.36	0.43	0.49	0.56
		PI	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.11	3.11	3.11	3.11
	5	TC	14.38	14.37	14.37	14.51	15.20	15.53	15.53	15.53	15.61	15.61	15.61	15.61	16.70	16.70	16.70	16.70
		S/T	0.69	0.77	0.84	0.92	0.56	0.63	0.71	0.78	0.50	0.57	0.64	0.71	0.36	0.43	0.49	0.56
		PI	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.13	3.13	3.13	3.13
	10	TC	14.29	14.28	14.28	14.43	15.13	15.45	15.45	15.45	15.54	15.54	15.54	15.54	16.66	16.66	16.66	16.66
		S/T	0.69	0.77	0.84	0.92	0.56	0.64	0.71	0.78	0.50	0.57	0.64	0.71	0.37	0.44	0.50	0.56
		PI	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17
	15	TC	14.18	14.16	14.16	14.31	15.02	15.35	15.35	15.35	15.45	15.45	15.45	15.45	16.59	16.59	16.59	16.59
		S/T	0.70	0.78	0.85	0.93	0.57	0.64	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	3.25	3.25	3.25	3.25	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24
	20	TC	14.02	14.00	14.00	14.15	14.87	14.87	14.87	14.87	15.30	15.30	15.30	15.30	16.44	16.44	16.44	16.44
		S/T	0.70	0.78	0.85	0.93	0.57	0.64	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	3.37	3.36	3.36	3.37	3.35	3.35	3.35	3.35	3.34	3.34	3.34	3.34	3.33	3.33	3.33	3.33
	25	TC	13.37	13.37	13.37	13.52	14.21	14.21	14.21	14.21	14.64	14.64	14.64	14.64	15.73	15.73	15.73	15.73
		S/T	0.71	0.79	0.87	0.94	0.57	0.65	0.73	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.51	0.57
		PI	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71
	30	TC	12.74	12.74	12.74	12.86	13.55	13.55	13.55	13.55	13.95	13.95	13.95	13.95	15.04	15.04	15.04	15.04
		S/T	0.72	0.80	0.88	0.96	0.58	0.66	0.74	0.81	0.51	0.59	0.67	0.74	0.37	0.44	0.51	0.58
		PI	4.06	4.06	4.06	4.06	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.09	4.09	4.09	4.09
	35	TC	12.11	12.11	12.23	12.34	12.89	12.89	12.89	12.89	13.29	13.29	13.29	13.29	14.32	14.32	14.32	14.32
		S/T	0.72	0.81	0.90	0.98	0.58	0.66	0.75	0.83	0.51	0.60	0.67	0.76	0.36	0.44	0.51	0.59
		PI	4.44	4.44	4.44	4.44	4.45	4.45	4.45	4.45	4.46	4.46	4.47	4.46	4.49	4.49	4.49	4.49
	40	TC	11.40	11.40	11.51	11.62	12.13	12.13	12.13	12.13	12.52	12.52	12.63	12.52	13.52	13.52	13.52	13.52
		S/T	0.74	0.84	0.94	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.70	0.78	0.35	0.44	0.52	0.60
		PI	4.90	4.90	4.90	4.90	4.92	4.92	4.92	4.92	4.93	4.93	4.94	4.93	4.96	4.96	4.96	4.96
	46	TC	10.55	10.55	10.67	10.78	11.24	11.24	11.24	11.24	11.61	11.61	11.61	11.61	12.59	12.59	12.59	12.59
		S/T	0.75	0.86	0.95	1.00	0.59	0.69	0.79	0.88	0.52	0.61	0.71	0.80	0.35	0.44	0.52	0.61
		PI	5.45	5.45	5.45	5.45	5.47	5.47	5.47	5.47	5.49	5.49	5.49	5.49	5.53	5.53	5.53	5.53
	50	TC	9.89	9.89	9.98	10.06	10.58	10.58	10.58	10.69	10.92	10.92	10.92	10.92	11.84	11.84	11.84	11.84
		S/T	0.77	0.88	0.98	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	5.90	5.90	5.90	5.90	5.92	5.92	5.92	5.92	5.94	5.94	5.94	5.94	5.99	5.99	5.99	5.99
1750	-15	TC	15.02	15.02	15.02	15.17	15.79	15.79	15.79	15.79	16.17	16.17	16.17	16.17	17.19	17.19	17.19	17.19
		S/T	0.69	0.76	0.98	1.00	0.56	0.63	0.70	0.78	0.49	0.57	0.64	0.71	0.36	0.42	0.49	0.56
		PI	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.15	3.15	3.15	3.15	3.14	3.14	3.14	3.14
	-10	TC	14.94	14.94	14.94	15.08	15.71	15.71	15.71	15.71	16.09	16.09	16.09	16.09	17.13	17.13	17.13	17.13
		S/T	0.69	0.77	0.99	1.00	0.56	0.63	0.71	0.79	0.49	0.57	0.64	0.72	0.36	0.43	0.49	0.56
		PI	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
	-5	TC	14.85	14.85	14.85	14.99	15.65	15.65	15.65	15.65	16.03	16.03	16.03	16.03	17.09	17.09	17.09	17.09
		S/T	0.69	0.77	0.99	1.00	0.57	0.63	0.71	0.79	0.50	0.58	0.64	0.72	0.36	0.43	0.50	0.57
		PI	3.14	3.14	3.14	3.14	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
	0	TC	14.77	14.77	14.77	14.92	15.59	15.59	15.59	15.59	15.99	15.99	15.99	15.99	17.07	17.07	17.07	17.07
		S/T	0.70	0.77	1.00	1.00	0.57	0.64	0.72	0.79	0.50	0.58	0.65	0.73	0.36	0.43	0.50	0.57
		PI	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16
	5	TC	14.70	14.70	14.70	14.84	15.53	15.53	15.53	15.53	15.94	15.94	15.94	15.94	17.06	17.06	17.06	17.06
		S/T	0.70	0.78	1.00	1.00	0.57	0.64	0.72	0.80	0.50	0.58	0.65	0.73	0.36	0.43	0.50	0.57
		PI	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.18	3.18	3.18	3.18	3.19	3.19	3.19	3.19
	10	TC	14.61	14.61	14.61	14.75	15.45	15.45	15.45	15.45	15.87	15.87	15.87	15.87	17.01	17.01	17.01	17.01
		S/T	0.70	0.78	1.00	1.00	0.57	0.64	0.72	0.80	0.50	0.58	0.65	0.73	0.37	0.44	0.50	0.57
		PI	3.24	3.24	3.24	3.24	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23
	15	TC	14.49	14.49	14.49	14.63	15.35	15.35	15.35	15.35	15.77	15.77	15.77	15.77	16.94	16.94	16.94	16.94
		S/T	0.71	0.79	0.87	0.95	0.58	0.65	0.73	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58
		PI	3.32	3.32	3.32	3.32	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.30	3.30	3.30	3.30
	20	TC	14.33	14.33	14.33	14.47	15.19	15.19	15.19	15.19	15.62	15.62	15.62	15.62	16.80	16.80	16.80	16.80
		S/T	0.71	0.79	0.87	0.95	0.58	0.65	0.73	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58
PI		3.43	3.43	3.43	3.43	3.42	3.42	3.42	3.42	3.41	3.41	3.41	3.41	3.39				

1900	-15	TC	15.33	15.33	15.48	15.63	16.12	16.12	16.12	16.12	16.53	16.53	16.53	16.53	17.54	17.54	17.54	17.54
		S/T	0.70	0.78	1.00	1.00	0.56	0.64	0.71	0.98	0.49	0.57	0.65	0.72	0.35	0.42	0.49	0.56
		PI	3.23	3.23	3.23	3.23	3.21	3.21	3.21	3.21	3.22	3.22	3.22	3.22	3.21	3.21	3.21	3.21
	-10	TC	15.23	15.23	15.38	15.53	16.03	16.03	16.03	16.03	16.45	16.45	16.45	16.45	17.48	17.48	17.48	17.48
		S/T	0.70	0.79	1.00	1.00	0.56	0.64	0.72	0.98	0.49	0.57	0.65	0.73	0.35	0.43	0.49	0.56
		PI	3.21	3.21	3.21	3.21	3.20	3.20	3.20	3.20	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21
	-5	TC	15.14	15.14	15.29	15.44	15.97	15.97	15.97	15.97	16.38	16.38	16.38	16.38	17.44	17.44	17.44	17.44
		S/T	0.70	0.79	1.00	1.00	0.57	0.64	0.72	0.99	0.50	0.58	0.65	0.73	0.35	0.43	0.50	0.57
		PI	3.21	3.21	3.21	3.21	3.20	3.20	3.20	3.20	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21
	0	TC	15.07	15.07	15.22	15.36	15.91	15.91	15.91	15.91	16.34	16.34	16.34	16.34	17.42	17.42	17.42	17.42
		S/T	0.71	0.79	1.00	1.00	0.57	0.65	0.73	0.99	0.50	0.58	0.66	0.74	0.35	0.43	0.50	0.57
		PI	3.22	3.22	3.22	3.22	3.21	3.21	3.21	3.21	3.22	3.22	3.22	3.22	3.23	3.23	3.23	3.23
	5	TC	14.99	14.99	15.14	15.29	15.85	15.85	15.85	15.85	16.29	16.29	16.29	16.29	17.41	17.41	17.41	17.41
		S/T	0.71	0.80	1.00	1.00	0.57	0.65	0.73	1.00	0.50	0.58	0.66	0.74	0.35	0.43	0.50	0.57
		PI	3.25	3.25	3.25	3.25	3.24	3.24	3.24	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25
	10	TC	14.90	14.90	15.05	15.19	15.78	15.78	15.78	15.78	16.22	16.22	16.22	16.22	17.36	17.36	17.36	17.36
		S/T	0.71	0.80	1.00	1.00	0.57	0.65	0.73	1.00	0.50	0.58	0.66	0.74	0.36	0.44	0.50	0.57
		PI	3.30	3.30	3.30	3.30	3.29	3.29	3.29	3.29	3.30	3.30	3.30	3.30	3.29	3.29	3.29	3.29
	15	TC	14.78	14.78	14.93	15.07	15.67	15.67	15.67	15.67	16.12	16.12	16.12	16.12	17.29	17.29	17.29	17.29
		S/T	0.72	0.81	0.89	0.97	0.58	0.66	0.74	0.83	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	3.38	3.38	3.38	3.38	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.36	3.36	3.36	3.36
	20	TC	14.61	14.61	14.76	14.90	15.50	15.50	15.50	15.50	15.96	15.96	15.96	15.96	17.14	17.14	17.14	17.14
		S/T	0.72	0.81	0.89	0.97	0.58	0.66	0.74	0.83	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	3.50	3.50	3.50	3.50	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.46	3.46	3.46	3.46
	25	TC	13.95	13.95	14.10	14.24	14.81	14.81	14.81	14.81	15.25	15.25	15.25	15.25	16.42	16.42	16.42	16.42
		S/T	0.73	0.82	0.91	0.99	0.58	0.67	0.76	0.84	0.52	0.60	0.68	0.77	0.36	0.44	0.51	0.59
		PI	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86
	30	TC	13.29	13.29	13.44	13.58	14.13	14.13	14.13	14.13	14.56	14.56	14.56	14.56	15.68	15.68	15.68	15.68
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.69	0.78	0.36	0.44	0.52	0.60
		PI	4.22	4.22	4.22	4.22	4.23	4.23	4.23	4.23	4.24	4.24	4.24	4.24	4.26	4.26	4.26	4.26
	35	TC	12.63	12.63	12.75	12.86	13.44	13.44	13.44	13.44	13.87	13.87	14.07	13.87	14.96	14.96	14.96	14.96
		S/T	0.75	0.85	0.95	1.00	0.59	0.69	0.78	0.88	0.52	0.61	0.70	0.80	0.35	0.44	0.52	0.61
		PI	4.62	4.62	4.62	4.62	4.63	4.63	4.63	4.63	4.64	4.64	4.65	4.64	4.67	4.67	4.67	4.67
	40	TC	11.91	11.96	12.07	12.19	12.69	12.69	12.69	12.74	13.09	13.09	13.20	13.09	14.14	14.14	14.14	14.14
		S/T	0.78	0.88	0.99	1.00	0.61	0.71	0.81	0.91	0.53	0.63	0.73	0.83	0.35	0.44	0.53	0.90
		PI	5.10	5.10	5.10	5.10	5.11	5.11	5.11	5.11	5.13	5.13	5.13	5.13	5.17	5.17	5.17	5.17
	46	TC	11.01	11.13	11.24	11.36	11.76	11.76	11.76	11.87	12.13	12.13	12.13	12.13	13.14	13.14	13.14	13.14
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.74	0.85	0.34	0.44	0.54	0.92
		PI	5.67	5.67	5.67	5.67	5.69	5.69	5.69	5.69	5.71	5.71	5.71	5.71	5.76	5.76	5.76	5.76
	50	TC	10.35	10.47	10.58	10.70	11.07	11.07	11.07	11.18	11.41	11.41	11.41	11.41	12.39	12.39	12.39	12.39
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.85	0.96	0.54	0.65	0.76	0.87	0.34	0.44	0.55	0.97
		PI	6.14	6.14	6.14	6.14	6.16	6.16	6.16	6.16	6.18	6.18	6.18	6.18	6.23	6.23	6.23	6.23

TC:Total Cooling Capacity (kW)

S/T:Sensible Cooling Capacity Ratio

PI:Power Input(kW)

Note: The table shows the case where the operation frequency of a compressor is fixed.

55k																			
INDOOR AIRFLOW (CMH)	OUTDOOR DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0				
		ID DB (°C)	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	23.0	25.0	27.0	29.0	
1650	-15	TC	15.98	15.98	15.98	16.13	16.80	17.13	17.13	17.13	17.20	17.20	17.20	17.20	18.27	18.27	18.27	18.27	
		S/T	0.67	0.74	0.81	0.88	0.55	0.62	0.69	0.75	0.49	0.56	0.63	0.69	0.37	0.42	0.48	0.54	
		PI	3.33	3.33	3.33	3.33	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.31	3.31	3.31	3.31	
	-10	TC	15.88	15.88	15.88	16.03	16.71	17.04	17.04	17.04	17.12	17.12	17.12	17.12	18.21	18.21	18.21	18.21	
		S/T	0.67	0.75	0.82	0.88	0.55	0.62	0.69	0.76	0.49	0.56	0.63	0.69	0.37	0.43	0.49	0.54	
		PI	3.31	3.32	3.32	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.32	3.32	3.32	3.32	
	-5	TC	15.79	15.79	15.79	15.94	16.64	16.97	16.97	16.97	17.05	17.05	17.05	17.05	18.16	18.16	18.16	18.16	
		S/T	0.67	0.75	0.82	0.89	0.56	0.62	0.69	0.76	0.50	0.57	0.63	0.69	0.37	0.43	0.49	0.55	
		PI	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.32	3.32	3.32	3.32	
	0	TC	15.71	15.71	15.71	15.86	16.58	16.91	16.91	16.91	17.01	17.01	17.01	17.01	18.14	18.14	18.14	18.14	
		S/T	0.68	0.75	0.82	0.89	0.56	0.63	0.70	0.76	0.50	0.57	0.64	0.70	0.37	0.43	0.49	0.55	
		PI	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	
	5	TC	15.63	15.63	15.63	15.78	16.52	16.85	16.85	16.85	16.95	16.95	16.95	16.95	18.13	18.13	18.13	18.13	
		S/T	0.68	0.76	0.83	0.90	0.56	0.63	0.70	0.77	0.50	0.57	0.64	0.70	0.37	0.43	0.49	0.55	
		PI	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.36	3.36	3.36	3.36	
	10	TC	15.53	15.53	15.53	15.68	16.44	16.77	16.77	16.77	16.88	16.88	16.88	16.88	18.08	18.08	18.08	18.08	
		S/T	0.68	0.76	0.83	0.90	0.56	0.63	0.70	0.77	0.50	0.57	0.64	0.70	0.38	0.44	0.50	0.55	
		PI	3.41	3.41	3.41	3.41	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	
	15	TC	15.41	15.41	15.41	15.55	16.33	16.65	16.65	16.65	16.78	16.78	16.78	16.78	18.01	18.01	18.01	18.01	
		S/T	0.69	0.77	0.84	0.91	0.57	0.64	0.71	0.78	0.51	0.58	0.65	0.71	0.38	0.44	0.50	0.56	
		PI	3.49	3.49	3.49	3.49	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.47	3.47	3.47	3.47	
	20	TC	15.23	15.23	15.23	15.38	16.15	16.15	16.15	16.15	16.61	16.61	16.61	16.61	17.85	17.85	17.85	17.85	
		S/T	0.69	0.77	0.84	0.91	0.57	0.64	0.71	0.78	0.51	0.58	0.65	0.71	0.38	0.44	0.50	0.56	
		PI	3.61	3.62	3.62	3.61	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.58	3.58	3.58	3.58	
	25	TC	14.54	14.54	14.54	14.69	15.44	15.44	15.44	15.44	15.90	15.90	15.90	15.90	17.10	17.10	17.10	17.10	
		S/T	0.70	0.78	0.85	0.92	0.57	0.64	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57	
		PI	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	
	30	TC	13.85	13.85	13.85	14.00	14.72	14.72	14.72	14.72	15.18	15.18	15.18	15.18	16.36	16.36	16.36	16.36	
		S/T	0.71	0.79	0.87	0.94	0.57	0.65	0.72	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.50	0.57	
		PI	4.36	4.36	4.36	4.36	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.39	4.39	4.39	4.39	
	35	TC	13.17	13.17	13.17	13.31	14.00	14.00	14.00	14.00	14.43	14.43	14.43	14.46	14.43	15.58	15.58	15.58	15.58
		S/T	0.72	0.80	0.88	0.96	0.58	0.66	0.74	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58	
		PI	4.77	4.77	4.77	4.77	4.78	4.78	4.78	4.78	4.79	4.79	4.80	4.79	4.82	4.82	4.82	4.82	
	40	TC	12.41	12.41	12.46	12.59	13.22	13.22	13.22	13.22	13.64	13.64	13.76	13.64	14.74	14.74	14.74	14.74	
		S/T	0.73	0.83	0.91	1.00	0.58	0.67	0.76	0.85	0.52	0.60	0.68	0.77	0.36	0.44	0.51	0.59	
		PI	5.26	5.26	5.26	5.26	5.27	5.27	5.27	5.27	5.28	5.28	5.29	5.28	5.32	5.32	5.32	5.32	
	46	TC	11.49	11.49	11.60	11.72	12.26	12.26	12.26	12.26	12.67	12.67	12.67	12.67	13.70	13.70	13.70	13.70	
		S/T	0.74	0.84	0.93	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.69	0.78	0.36	0.44	0.52	0.60	
		PI	5.84	5.84	5.84	5.84	5.87	5.87	5.87	5.87	5.88	5.88	5.88	5.88	5.93	5.93	5.93	5.93	
	50	TC	10.77	10.77	10.88	11.00	11.51	11.51	11.51	11.51	11.92	11.92	11.92	11.92	12.90	12.90	12.90	12.90	
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.61	0.71	0.80	0.35	0.44	0.52	0.61	
		PI	6.33	6.33	6.33	6.33	6.35	6.35	6.35	6.35	6.37	6.37	6.37	6.37	6.42	6.42	6.42	6.42	
1850	-15	TC	16.28	16.28	16.28	16.43	17.13	17.13	17.13	17.13	17.57	17.57	17.57	17.57	18.66	18.66	18.66	18.66	
		S/T	0.69	0.76	0.98	1.00	0.55	0.63	0.70	0.77	0.49	0.57	0.64	0.70	0.36	0.42	0.48	0.55	
		PI	3.40	3.40	3.40	3.40	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.38	3.38	3.38	3.38	
	-10	TC	16.19	16.19	16.19	16.34	17.04	17.04	17.04	17.04	17.48	17.48	17.48	17.48	18.59	18.59	18.59	18.59	
		S/T	0.69	0.77	0.99	1.00	0.55	0.63	0.71	0.78	0.49	0.57	0.64	0.71	0.36	0.43	0.49	0.55	
		PI	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	
	-5	TC	16.09	16.09	16.09	16.24	16.97	16.97	16.97	16.97	17.41	17.41	17.41	17.41	18.55	18.55	18.55	18.55	
		S/T	0.69	0.77	0.99	1.00	0.56	0.63	0.71	0.78	0.50	0.58	0.64	0.71	0.36	0.43	0.49	0.56	
		PI	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.39	3.39	3.39	3.39	
	0	TC	16.01	16.01	16.01	16.16	16.91	16.91	16.91	16.91	17.37	17.37	17.37	17.37	18.53	18.53	18.53	18.53	
		S/T	0.70	0.77	1.00	1.00	0.56	0.64	0.72	0.78	0.50	0.58	0.65	0.72	0.36	0.43	0.49	0.56	
		PI	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.40	3.40	3.40	3.40	
	5	TC	15.93	15.93	15.93	16.08	16.85	16.85	16.85	16.85	17.31	17.31	17.31	17.31	18.52	18.52	18.52	18.52	
		S/T	0.70	0.78	1.00	1.00	0.56	0.64	0.72	0.79	0.50	0.58	0.65	0.72	0.36	0.43	0.49	0.56	
		PI	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	
	10	TC	15.83	15.83	15.83	15.98	16.77	16.77	16.77	16.77	17.24	17.24	17.24	17.24	18.47	18.47	18.47	18.47	
		S/T	0.70	0.78	1.00	1.00	0.56	0.64	0.72	0.79	0.50	0.58	0.65	0.72	0.37	0.44	0.50	0.56	
		PI	3.48	3.48	3.48	3.48	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47	
	15	TC	15.70	15.70	15.70	15.85	16.65	16.65	16.65	16.65	17.13	17.13	17.13	17.13	18.39	18.39	18.39	18.39	
		S/T	0.71	0.79	0.87	0.94	0.57	0.65	0.73	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.50	0.57	
		PI	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.55	3.55	3.55	3.55	3.54	3.54	3.54	3.54	
	20	TC	15.53	15.53	15.53	15.67	16.48	16.48	16.48	16.48	16.97	16.97	16.97	16.97	18.23	18.23	18.23	18.23	
		S/T	0.71	0.79	0.87	0.94	0.57	0.65	0.73	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.50	0.57	
		PI	3.69	3.69	3.69	3.69	3.68	3.68	3.68	3.68	3.67	3.67	3.67	3					

2000	-15	TC	16.62	16.62	16.80	16.98	17.46	17.46	17.46	17.46	17.89	17.89	17.89	17.89	19.01	19.01	19.01	19.01
		S/T	0.70	0.77	1.00	1.00	0.56	0.64	0.71	0.98	0.49	0.57	0.65	0.72	0.35	0.42	0.49	0.56
		PI	3.47	3.47	3.47	3.47	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45
	-10	TC	16.52	16.52	16.70	16.88	17.37	17.37	17.37	17.37	17.80	17.80	17.80	17.80	18.95	18.95	18.95	18.95
		S/T	0.70	0.78	1.00	1.00	0.56	0.64	0.72	0.98	0.49	0.57	0.65	0.73	0.35	0.43	0.49	0.56
		PI	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.44	3.44	3.44	3.44	3.44	3.45	3.45	3.45	3.45
	-5	TC	16.42	16.42	16.60	16.78	17.30	17.30	17.30	17.30	17.74	17.74	17.74	17.74	18.90	18.90	18.90	18.90
		S/T	0.70	0.78	1.00	1.00	0.57	0.64	0.72	0.99	0.50	0.58	0.65	0.73	0.35	0.43	0.50	0.57
		PI	3.45	3.45	3.45	3.45	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.46	3.46	3.46	3.46
	0	TC	16.34	16.34	16.51	16.69	17.23	17.23	17.23	17.23	17.69	17.69	17.69	17.69	18.88	18.88	18.88	18.88
		S/T	0.71	0.78	1.00	1.00	0.57	0.65	0.73	0.99	0.50	0.58	0.66	0.74	0.35	0.43	0.50	0.57
		PI	3.46	3.46	3.46	3.46	3.45	3.45	3.45	3.45	3.46	3.46	3.46	3.46	3.47	3.47	3.47	3.47
	5	TC	16.25	16.25	16.43	16.61	17.17	17.17	17.17	17.17	17.63	17.63	17.63	17.63	18.87	18.87	18.87	18.87
		S/T	0.71	0.79	1.00	1.00	0.57	0.65	0.73	1.00	0.50	0.58	0.66	0.74	0.35	0.43	0.50	0.57
		PI	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.48	3.48	3.48	3.48	3.50	3.50	3.50	3.50
	10	TC	16.16	16.16	16.33	16.51	17.09	17.09	17.09	17.09	17.56	17.56	17.56	17.56	18.82	18.82	18.82	18.82
		S/T	0.71	0.79	1.00	1.00	0.57	0.65	0.73	1.00	0.50	0.58	0.66	0.74	0.36	0.44	0.50	0.57
		PI	3.55	3.55	3.55	3.55	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54
	15	TC	16.02	16.02	16.20	16.37	16.97	16.97	16.97	16.97	17.45	17.45	17.45	17.45	18.74	18.74	18.74	18.74
		S/T	0.72	0.80	0.88	0.96	0.58	0.66	0.74	0.82	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	3.64	3.64	3.64	3.64	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62
	20	TC	15.84	15.84	16.02	16.19	16.79	16.79	16.79	16.79	17.28	17.28	17.28	17.28	18.58	18.58	18.58	18.58
		S/T	0.72	0.80	0.88	0.96	0.58	0.66	0.74	0.82	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	3.76	3.76	3.76	3.76	3.75	3.75	3.75	3.75	3.74	3.74	3.74	3.74	3.73	3.73	3.73	3.73
	25	TC	15.10	15.10	15.24	15.38	16.05	16.05	16.05	16.05	16.53	16.53	16.53	16.53	17.77	17.77	17.77	17.77
		S/T	0.73	0.81	0.90	0.98	0.58	0.67	0.75	0.83	0.51	0.60	0.68	0.76	0.36	0.44	0.51	0.59
		PI	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15
	30	TC	14.41	14.41	14.55	14.69	15.30	15.30	15.30	15.30	15.79	15.79	15.79	15.79	16.99	16.99	16.99	16.99
		S/T	0.73	0.83	0.92	1.00	0.59	0.67	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.52	0.59
		PI	4.54	4.54	4.54	4.54	4.55	4.55	4.55	4.55	4.56	4.56	4.56	4.56	4.58	4.58	4.58	4.58
	35	TC	13.66	13.66	13.80	13.95	14.55	14.55	14.55	14.55	15.01	15.01	15.24	15.01	16.19	16.19	16.19	16.19
		S/T	0.75	0.84	0.94	1.00	0.59	0.68	0.78	0.87	0.52	0.61	0.69	0.79	0.35	0.44	0.52	0.60
		PI	4.96	4.96	4.96	4.96	4.98	4.98	4.98	4.98	4.99	4.99	5.00	4.99	5.03	5.03	5.03	5.03
	40	TC	12.86	12.92	13.05	13.18	13.72	13.72	13.72	13.77	14.15	14.15	14.27	14.15	15.29	15.29	15.29	15.29
		S/T	0.77	0.88	0.98	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.90
		PI	5.48	5.48	5.48	5.48	5.50	5.50	5.50	5.50	5.51	5.51	5.52	5.51	5.56	5.56	5.56	5.56
	46	TC	11.92	12.04	12.15	12.27	12.73	12.73	12.73	12.84	13.13	13.13	13.13	13.13	14.22	14.22	14.22	14.22
		S/T	0.78	0.89	1.00	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.83	0.35	0.44	0.53	0.92
		PI	6.10	6.10	6.10	6.10	6.12	6.12	6.12	6.12	6.14	6.14	6.14	6.14	6.19	6.19	6.19	6.19
	50	TC	11.18	11.29	11.41	11.52	11.95	11.95	11.95	12.07	12.35	12.35	12.35	12.35	13.39	13.39	13.39	13.39
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.84	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.97
		PI	6.60	6.60	6.60	6.60	6.63	6.63	6.63	6.63	6.65	6.65	6.65	6.65	6.70	6.70	6.70	6.70

TC:Total Cooling Capacity (kW)

S/T:Sensible Cooling Capacity Ratio

PI:Power Input(kW)

Note: The table shows the case where the operation frequency of a compressor is fixed.

8.2 Heating

12k								[SI_Unit]	
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
389	-15.0	2.61	2.56	2.56	2.53	1.16	1.20	1.18	1.19
	-10.0	2.79	2.73	2.73	2.71	1.24	1.28	1.26	1.27
	-7.0	2.92	2.86	2.86	2.83	1.31	1.36	1.33	1.34
	-5.6	2.98	2.92	2.92	2.89	1.29	1.30	1.31	1.31
	-2.8	3.04	3.01	2.98	2.95	1.22	1.23	1.24	1.24
	0.0	3.07	3.01	3.01	2.98	1.16	1.17	1.17	1.17
	2.8	3.21	3.15	3.12	3.12	1.11	1.11	1.11	1.12
	5.6	3.44	3.41	3.38	3.35	1.06	1.06	1.06	1.06
	7.0	3.73	3.69	3.61	3.61	1.03	1.00	1.03	1.03
	11.1	3.90	3.84	3.81	3.78	0.94	0.94	0.94	0.94
	13.9	4.04	3.98	3.96	3.93	0.89	0.88	0.88	0.87
	16.7	4.19	4.13	4.10	4.07	0.83	0.82	0.81	0.81
	18.0	4.25	4.19	4.16	4.13	0.80	0.79	0.78	0.78
485	-15.0	2.63	2.60	2.60	2.58	1.18	1.22	1.20	1.20
	-10.0	2.81	2.78	2.78	2.75	1.26	1.30	1.27	1.27
	-7.0	2.94	2.91	2.91	2.88	1.33	1.38	1.35	1.35
	-5.6	3.01	2.98	2.98	2.95	1.30	1.31	1.31	1.32
	-2.8	3.09	3.07	3.04	3.01	1.24	1.25	1.25	1.26
	0.0	3.12	3.09	3.07	3.04	1.17	1.18	1.18	1.19
	2.8	3.27	3.24	3.21	3.18	1.12	1.12	1.12	1.13
	5.6	3.53	3.47	3.47	3.44	1.06	1.07	1.07	1.07
	7.0	3.84	3.78	3.69	3.66	1.04	1.01	1.04	1.04
	11.1	3.98	3.93	3.90	3.90	0.95	0.95	0.95	0.94
	13.9	4.13	4.07	4.04	4.01	0.89	0.89	0.88	0.88
	16.7	4.28	4.22	4.19	4.16	0.83	0.82	0.82	0.81
	18.0	4.36	4.30	4.28	4.22	0.81	0.79	0.79	0.78
569	-15.0	2.66	2.64	2.61	2.59	1.19	1.23	1.20	1.21
	-10.0	2.84	2.82	2.79	2.76	1.27	1.31	1.28	1.29
	-7.0	2.98	2.95	2.92	2.89	1.34	1.39	1.36	1.37
	-5.6	3.07	3.04	3.01	2.98	1.31	1.32	1.32	1.33
	-2.8	3.12	3.09	3.07	3.07	1.25	1.26	1.27	1.27
	0.0	3.15	3.12	3.09	3.07	1.19	1.19	1.20	1.20
	2.8	3.30	3.27	3.24	3.21	1.13	1.14	1.14	1.14
	5.6	3.56	3.50	3.50	3.47	1.08	1.08	1.08	1.08
	7.0	3.87	3.81	3.72	3.69	1.05	1.02	1.05	1.05
	11.1	4.01	3.96	3.93	3.90	0.96	0.96	0.96	0.95
	13.9	4.16	4.10	4.07	4.04	0.90	0.90	0.89	0.89
	16.7	4.30	4.25	4.22	4.19	0.84	0.83	0.83	0.82
	18.0	4.39	4.30	4.28	4.25	0.81	0.80	0.80	0.79

Note: The table shows the case where the operation frequency of a compressor is fixed.

18k							[SL_Unit]		
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
479	-15.0	3.61	3.56	3.54	3.51	1.54	1.59	1.58	1.59
	-10.0	3.86	3.80	3.78	3.75	1.64	1.70	1.68	1.70
	-7.0	4.04	3.98	3.96	3.93	1.75	1.81	1.79	1.81
	-5.6	4.19	4.13	4.10	4.07	1.72	1.75	1.76	1.77
	-2.8	4.30	4.25	4.22	4.22	1.66	1.69	1.70	1.71
	0.0	4.39	4.33	4.30	4.27	1.61	1.63	1.64	1.65
	2.8	4.62	4.57	4.54	4.51	1.57	1.59	1.60	1.61
	5.6	5.03	4.97	4.94	4.91	1.53	1.55	1.56	1.57
	7.0	5.46	5.39	5.28	5.22	1.50	1.50	1.53	1.54
	11.1	5.74	5.66	5.63	5.57	1.43	1.45	1.45	1.46
	13.9	5.97	5.89	5.86	5.80	1.39	1.40	1.40	1.41
	16.7	6.21	6.12	6.09	6.03	1.34	1.35	1.35	1.36
18.0	6.32	6.24	6.21	6.15	1.32	1.32	1.33	1.33	
584	-15.0	3.69	3.64	3.61	3.59	1.56	1.61	1.59	1.60
	-10.0	3.94	3.88	3.86	3.83	1.66	1.71	1.70	1.71
	-7.0	4.12	4.07	4.04	4.01	1.77	1.82	1.81	1.82
	-5.6	4.27	4.22	4.19	4.16	1.73	1.76	1.77	1.79
	-2.8	4.39	4.33	4.33	4.30	1.68	1.70	1.72	1.73
	0.0	4.48	4.42	4.39	4.36	1.63	1.65	1.66	1.67
	2.8	4.74	4.68	4.65	4.59	1.59	1.61	1.62	1.63
	5.6	5.15	5.09	5.06	5.00	1.55	1.57	1.58	1.58
	7.0	5.57	5.51	5.37	5.34	1.52	1.52	1.55	1.56
	11.1	5.86	5.77	5.74	5.68	1.45	1.47	1.47	1.48
	13.9	6.09	6.00	5.97	5.95	1.41	1.42	1.42	1.43
	16.7	6.35	6.26	6.21	6.18	1.36	1.37	1.37	1.38
18.0	6.47	6.38	6.32	6.29	1.34	1.35	1.35	1.36	
680	-15.0	3.72	3.67	3.64	3.61	1.57	1.62	1.60	1.62
	-10.0	3.97	3.91	3.89	3.86	1.67	1.73	1.71	1.73
	-7.0	4.16	4.10	4.07	4.04	1.78	1.84	1.82	1.84
	-5.6	4.30	4.25	4.22	4.19	1.75	1.78	1.79	1.80
	-2.8	4.45	4.39	4.36	4.33	1.70	1.72	1.73	1.75
	0.0	4.54	4.48	4.45	4.42	1.64	1.67	1.68	1.69
	2.8	4.77	4.71	4.68	4.65	1.60	1.63	1.64	1.65
	5.6	5.20	5.12	5.09	5.06	1.57	1.59	1.59	1.60
	7.0	5.66	5.57	5.42	5.39	1.54	1.54	1.57	1.58
	11.1	5.92	5.83	5.80	5.77	1.47	1.49	1.49	1.50
	13.9	6.18	6.09	6.03	6.00	1.43	1.44	1.45	1.45
	16.7	6.41	6.32	6.29	6.24	1.38	1.39	1.40	1.40
18.0	6.55	6.44	6.41	6.35	1.36	1.37	1.37	1.38	

Note: The table shows the case where the operation frequency of a compressor is fixed.

24k							[SI_Unit]		
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
992	-15.0	5.23	5.18	5.16	5.11	2.30	2.38	2.33	2.33
	-10.0	5.59	5.53	5.51	5.45	2.45	2.54	2.48	2.49
	-7.0	5.85	5.80	5.77	5.71	2.61	2.70	2.64	2.65
	-5.6	6.00	5.94	5.91	5.85	2.53	2.55	2.55	2.56
	-2.8	6.11	6.06	6.03	5.97	2.39	2.40	2.40	2.41
	0.0	6.17	6.09	6.06	6.03	2.25	2.25	2.25	2.26
	2.8	6.46	6.38	6.32	6.29	2.12	2.12	2.12	2.12
	5.6	6.96	6.87	6.81	6.75	2.00	1.99	1.99	1.99
	7.0	7.48	7.39	7.24	7.19	1.94	1.86	1.92	1.92
	11.1	7.79	7.68	7.62	7.59	1.74	1.73	1.72	1.71
	13.9	8.05	7.94	7.88	7.85	1.61	1.59	1.57	1.56
	16.7	8.34	8.23	8.17	8.11	1.48	1.45	1.43	1.43
	18.0	8.46	8.34	8.29	8.23	1.43	1.39	1.38	1.36
1118	-15.0	5.33	5.28	5.23	5.20	2.32	2.40	2.34	2.35
	-10.0	5.69	5.63	5.58	5.55	2.47	2.56	2.50	2.51
	-7.0	5.96	5.90	5.85	5.82	2.63	2.72	2.66	2.67
	-5.6	6.11	6.06	6.00	5.97	2.55	2.57	2.58	2.59
	-2.8	6.23	6.17	6.14	6.09	2.41	2.42	2.43	2.43
	0.0	6.29	6.20	6.17	6.14	2.27	2.27	2.28	2.28
	2.8	6.58	6.49	6.43	6.40	2.14	2.14	2.14	2.14
	5.6	7.07	6.98	6.96	6.90	2.02	2.01	2.01	2.01
	7.0	7.63	7.53	7.39	7.33	1.96	1.88	1.95	1.94
	11.1	7.94	7.82	7.79	7.74	1.76	1.74	1.73	1.73
	13.9	8.23	8.11	8.05	8.00	1.63	1.61	1.59	1.58
	16.7	8.49	8.37	8.32	8.26	1.50	1.47	1.45	1.43
	18.0	8.63	8.52	8.46	8.40	1.43	1.41	1.39	1.37
1247	-15.0	5.39	5.34	5.31	5.29	2.33	2.42	2.37	2.38
	-10.0	5.75	5.70	5.67	5.64	2.49	2.58	2.53	2.54
	-7.0	6.03	5.97	5.94	5.91	2.65	2.75	2.69	2.70
	-5.6	6.17	6.11	6.09	6.06	2.58	2.59	2.60	2.61
	-2.8	6.32	6.23	6.20	6.17	2.43	2.44	2.45	2.46
	0.0	6.38	6.29	6.23	6.20	2.29	2.29	2.30	2.30
	2.8	6.64	6.55	6.52	6.46	2.16	2.16	2.16	2.16
	5.6	7.16	7.07	7.01	6.98	2.04	2.03	2.03	2.03
	7.0	7.71	7.62	7.48	7.42	1.98	1.90	1.97	1.96
	11.1	8.03	7.94	7.88	7.82	1.78	1.76	1.75	1.74
	13.9	8.32	8.20	8.14	8.08	1.65	1.62	1.61	1.60
	16.7	8.61	8.49	8.43	8.34	1.52	1.48	1.47	1.45
	18.0	8.75	8.61	8.55	8.49	1.45	1.43	1.41	1.39

Note: The table shows the case where the operation frequency of a compressor is fixed.

30k							[SL_Unit]		
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
1300	-15.0	5.65	5.57	5.55	5.50	2.29	2.37	2.36	2.38
	-10.0	6.03	5.95	5.92	5.87	2.45	2.53	2.52	2.54
	-7.0	6.32	6.23	6.21	6.15	2.60	2.69	2.68	2.70
	-5.6	6.64	6.55	6.52	6.46	2.57	2.62	2.64	2.67
	-2.8	6.93	6.84	6.81	6.75	2.51	2.56	2.58	2.61
	0.0	7.16	7.04	7.02	6.96	2.46	2.50	2.52	2.55
	2.8	7.65	7.54	7.48	7.42	2.42	2.47	2.49	2.51
	5.6	8.41	8.29	8.23	8.18	2.39	2.43	2.45	2.47
	7.0	9.24	9.12	8.86	8.80	2.38	2.41	2.44	2.46
	11.1	9.76	9.64	9.58	9.49	2.32	2.35	2.37	2.39
	13.9	10.25	10.10	10.05	9.99	2.27	2.31	2.32	2.34
	16.7	10.74	10.60	10.51	10.45	2.23	2.26	2.28	2.29
	18.0	10.98	10.83	10.74	10.69	2.21	2.24	2.25	2.27
1530	-15.0	5.74	5.69	5.64	5.62	2.32	2.39	2.39	2.41
	-10.0	6.13	6.08	6.02	6.00	2.47	2.55	2.55	2.57
	-7.0	6.42	6.37	6.31	6.28	2.63	2.71	2.71	2.73
	-5.6	6.75	6.70	6.64	6.61	2.59	2.64	2.67	2.69
	-2.8	7.07	6.99	6.96	6.90	2.54	2.58	2.61	2.63
	0.0	7.31	7.19	7.16	7.10	2.48	2.52	2.55	2.57
	2.8	7.80	7.68	7.62	7.57	2.45	2.49	2.51	2.53
	5.6	8.58	8.47	8.41	8.35	2.41	2.45	2.47	2.49
	7.0	9.42	9.29	9.03	8.97	2.40	2.43	2.46	2.48
	11.1	9.96	9.81	9.76	9.67	2.34	2.37	2.39	2.41
	13.9	10.45	10.31	10.22	10.16	2.29	2.32	2.34	2.36
	16.7	10.95	10.80	10.71	10.66	2.25	2.28	2.29	2.31
	18.0	11.18	11.03	10.95	10.86	2.22	2.25	2.27	2.29
1700	-15.0	5.83	5.75	5.73	5.68	2.34	2.42	2.41	2.42
	-10.0	6.22	6.14	6.12	6.06	2.49	2.58	2.57	2.59
	-7.0	6.52	6.44	6.41	6.35	2.65	2.74	2.73	2.75
	-5.6	6.84	6.75	6.73	6.67	2.62	2.67	2.69	2.71
	-2.8	7.16	7.07	7.02	6.99	2.56	2.61	2.63	2.65
	0.0	7.36	7.28	7.22	7.16	2.50	2.55	2.57	2.59
	2.8	7.86	7.77	7.71	7.65	2.47	2.51	2.53	2.55
	5.6	8.64	8.52	8.47	8.41	2.43	2.47	2.50	2.52
	7.0	9.51	9.38	9.12	9.06	2.42	2.45	2.48	2.50
	11.1	10.05	9.90	9.84	9.79	2.35	2.39	2.41	2.43
	13.9	10.54	10.39	10.34	10.25	2.31	2.34	2.36	2.38
	16.7	11.03	10.89	10.80	10.74	2.26	2.30	2.31	2.33
	18.0	11.27	11.12	11.03	10.98	2.24	2.27	2.29	2.30

Note: The table shows the case where the operation frequency of a compressor is fixed.

36k+MOD30U-36HFN8-QRDOW(GA)								[SI_Unit]	
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
1300	-15.0	7.98	7.90	7.85	7.80	3.44	3.57	3.50	3.51
	-10.0	8.52	8.44	8.38	8.33	3.67	3.80	3.73	3.75
	-7.0	8.92	8.84	8.78	8.73	3.90	4.04	3.96	3.98
	-5.6	9.07	8.98	8.93	8.87	3.80	3.83	3.85	3.87
	-2.8	9.19	9.07	9.04	8.98	3.62	3.64	3.66	3.67
	0.0	9.19	9.10	9.04	8.98	3.43	3.45	3.45	3.46
	2.8	9.53	9.42	9.36	9.30	3.27	3.28	3.28	3.29
	5.6	10.20	10.06	10.00	9.94	3.11	3.11	3.11	3.11
	7.0	10.94	10.79	10.62	10.53	3.03	2.94	3.03	3.03
	11.1	11.31	11.17	11.08	10.99	2.77	2.76	2.75	2.74
	13.9	11.63	11.49	11.40	11.31	2.60	2.58	2.57	2.55
	16.7	11.98	11.80	11.72	11.63	2.43	2.40	2.39	2.37
18.0	12.15	11.98	11.89	11.78	2.35	2.32	2.30	2.28	
1530	-15.0	8.15	8.07	8.04	7.99	3.48	3.60	3.53	3.55
	-10.0	8.70	8.62	8.59	8.53	3.71	3.84	3.77	3.79
	-7.0	9.11	9.03	9.00	8.94	3.94	4.08	4.00	4.02
	-5.6	9.24	9.16	9.13	9.07	3.83	3.87	3.89	3.90
	-2.8	9.39	9.27	9.22	9.16	3.65	3.68	3.69	3.70
	0.0	9.39	9.27	9.22	9.16	3.46	3.48	3.49	3.50
	2.8	9.74	9.62	9.56	9.48	3.30	3.31	3.32	3.32
	5.6	10.40	10.29	10.20	10.14	3.14	3.14	3.14	3.14
	7.0	11.15	11.02	10.82	10.76	3.06	2.97	3.06	3.06
	11.1	11.54	11.40	11.31	11.25	2.80	2.79	2.78	2.77
	13.9	11.89	11.72	11.66	11.57	2.62	2.60	2.59	2.58
	16.7	12.24	12.07	11.98	11.89	2.46	2.43	2.41	2.40
18.0	12.41	12.21	12.12	12.04	2.37	2.34	2.32	2.30	
1700	-15.0	8.24	8.16	8.11	8.06	3.51	3.64	3.57	3.58
	-10.0	8.80	8.71	8.66	8.61	3.75	3.88	3.80	3.82
	-7.0	9.21	9.13	9.07	9.01	3.98	4.12	4.04	4.06
	-5.6	9.36	9.27	9.22	9.16	3.87	3.91	3.92	3.94
	-2.8	9.48	9.39	9.33	9.27	3.69	3.71	3.72	3.73
	0.0	9.51	9.39	9.33	9.27	3.50	3.51	3.52	3.53
	2.8	9.85	9.71	9.65	9.59	3.33	3.34	3.35	3.35
	5.6	10.52	10.38	10.32	10.26	3.17	3.17	3.17	3.17
	7.0	11.29	11.14	10.93	10.88	3.09	3.00	3.09	3.09
	11.1	11.66	11.51	11.43	11.37	2.83	2.82	2.81	2.80
	13.9	12.01	11.86	11.78	11.69	2.65	2.63	2.62	2.61
	16.7	12.36	12.18	12.09	12.01	2.48	2.45	2.44	2.42
18.0	12.53	12.36	12.27	12.15	2.40	2.36	2.35	2.33	

Note: The table shows the case where the operation frequency of a compressor is fixed.

36k+MOD30U-36HFN8-RRD0W(GA)								[SI_Unit]	
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
1300	-15.0	7.80	7.73	7.68	7.65	3.40	3.53	3.46	3.47
	-10.0	8.33	8.25	8.20	8.17	3.63	3.76	3.69	3.71
	-7.0	8.73	8.64	8.59	8.56	3.86	4.00	3.92	3.94
	-5.6	8.91	8.82	8.76	8.73	3.76	3.80	3.81	3.83
	-2.8	9.05	8.96	8.91	8.85	3.58	3.61	3.62	3.63
	0.0	9.11	8.99	8.93	8.88	3.39	3.41	3.42	3.44
	2.8	9.49	9.34	9.28	9.22	3.24	3.25	3.26	3.27
	5.6	10.18	10.04	9.98	9.89	3.10	3.10	3.10	3.11
	7.0	10.95	10.79	10.59	10.53	3.02	2.94	3.03	3.03
	11.1	11.34	11.20	11.11	11.05	2.78	2.76	2.76	2.75
	13.9	11.72	11.54	11.46	11.40	2.61	2.59	2.58	2.57
	16.7	12.09	11.92	11.83	11.75	2.45	2.42	2.41	2.40
18.0	12.27	12.09	12.01	11.92	2.37	2.34	2.32	2.31	
1530	-15.0	7.95	7.88	7.83	7.80	3.45	3.57	3.50	3.52
	-10.0	8.49	8.41	8.36	8.33	3.68	3.80	3.73	3.75
	-7.0	8.90	8.81	8.76	8.73	3.91	4.04	3.97	3.99
	-5.6	9.08	8.99	8.93	8.91	3.80	3.84	3.86	3.88
	-2.8	9.25	9.14	9.08	9.02	3.62	3.65	3.66	3.67
	0.0	9.28	9.17	9.11	9.05	3.43	3.45	3.46	3.47
	2.8	9.69	9.54	9.49	9.43	3.28	3.29	3.29	3.30
	5.6	10.38	10.24	10.18	10.12	3.13	3.13	3.14	3.14
	7.0	11.18	11.02	10.82	10.73	3.06	2.97	3.06	3.06
	11.1	11.60	11.43	11.34	11.28	2.80	2.79	2.79	2.78
	13.9	11.98	11.80	11.72	11.63	2.63	2.61	2.60	2.59
	16.7	12.36	12.18	12.09	12.01	2.47	2.45	2.43	2.42
18.0	12.53	12.36	12.27	12.18	2.39	2.36	2.34	2.33	
1700	-15.0	8.04	7.96	7.91	7.88	3.48	3.60	3.53	3.55
	-10.0	8.58	8.50	8.45	8.42	3.71	3.84	3.77	3.79
	-7.0	8.99	8.91	8.85	8.82	3.95	4.09	4.01	4.03
	-5.6	9.17	9.08	9.02	8.99	3.84	3.88	3.90	3.92
	-2.8	9.34	9.22	9.17	9.14	3.66	3.69	3.70	3.71
	0.0	9.40	9.28	9.22	9.17	3.47	3.49	3.50	3.51
	2.8	9.78	9.66	9.57	9.51	3.31	3.32	3.33	3.34
	5.6	10.50	10.36	10.30	10.21	3.16	3.17	3.17	3.17
	7.0	11.29	11.14	10.93	10.85	3.09	3.00	3.09	3.09
	11.1	11.72	11.54	11.49	11.40	2.83	2.82	2.81	2.81
	13.9	12.09	11.92	11.83	11.75	2.66	2.64	2.63	2.62
	16.7	12.47	12.30	12.21	12.12	2.50	2.47	2.45	2.44
18.0	12.67	12.47	12.38	12.30	2.41	2.38	2.36	2.35	

Note: The table shows the case where the operation frequency of a compressor is fixed.

42k							[SL_Unit]		
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
1600	-15.0	8.18	8.08	8.03	7.98	3.39	3.50	3.49	3.53
	-10.0	8.73	8.62	8.57	8.52	3.61	3.73	3.72	3.76
	-7.0	9.15	9.03	8.98	8.92	3.84	3.97	3.96	4.00
	-5.6	9.59	9.47	9.41	9.35	3.80	3.87	3.91	3.95
	-2.8	10.02	9.91	9.85	9.79	3.72	3.80	3.83	3.87
	0.0	10.31	10.20	10.11	10.05	3.65	3.72	3.76	3.79
	2.8	11.01	10.86	10.81	10.72	3.61	3.68	3.72	3.75
	5.6	12.11	11.94	11.85	11.79	3.58	3.64	3.67	3.71
	7.0	13.27	13.08	12.73	12.64	3.57	3.62	3.66	3.69
	11.1	13.97	13.80	13.71	13.63	3.48	3.54	3.58	3.61
	13.9	14.67	14.50	14.38	14.29	3.43	3.49	3.52	3.55
	16.7	15.37	15.16	15.05	14.96	3.37	3.43	3.46	3.48
18.0	15.71	15.48	15.40	15.28	3.35	3.40	3.43	3.46	
1750	-15.0	8.34	8.24	8.19	8.14	3.42	3.53	3.53	3.55
	-10.0	8.90	8.80	8.74	8.69	3.65	3.77	3.76	3.79
	-7.0	9.32	9.21	9.16	9.10	3.88	4.00	4.00	4.03
	-5.6	9.79	9.67	9.62	9.56	3.83	3.91	3.95	3.99
	-2.8	10.23	10.11	10.02	9.96	3.76	3.83	3.87	3.91
	0.0	10.55	10.40	10.31	10.25	3.69	3.76	3.79	3.83
	2.8	11.24	11.10	11.01	10.92	3.65	3.72	3.75	3.79
	5.6	12.35	12.17	12.11	12.03	3.61	3.68	3.71	3.75
	7.0	13.53	13.34	12.96	12.87	3.60	3.66	3.70	3.73
	11.1	14.26	14.09	13.97	13.89	3.52	3.59	3.62	3.65
	13.9	14.96	14.79	14.67	14.58	3.47	3.53	3.56	3.59
	16.7	15.69	15.45	15.37	15.25	3.41	3.47	3.50	3.53
18.0	16.00	15.80	15.69	15.57	3.39	3.44	3.47	3.50	
1900	-15.0	8.41	8.31	8.26	8.21	3.46	3.57	3.56	3.60
	-10.0	8.98	8.87	8.82	8.77	3.69	3.81	3.80	3.84
	-7.0	9.41	9.30	9.24	9.19	3.92	4.05	4.04	4.08
	-5.6	9.88	9.76	9.70	9.64	3.87	3.95	3.99	4.03
	-2.8	10.31	10.20	10.14	10.08	3.80	3.88	3.91	3.95
	0.0	10.63	10.49	10.43	10.34	3.73	3.80	3.84	3.87
	2.8	11.36	11.21	11.13	11.04	3.69	3.76	3.79	3.83
	5.6	12.49	12.32	12.23	12.14	3.65	3.72	3.75	3.79
	7.0	13.67	13.48	13.10	13.02	3.64	3.70	3.74	3.78
	11.1	14.44	14.24	14.15	14.03	3.56	3.62	3.66	3.69
	13.9	15.13	14.93	14.84	14.73	3.51	3.57	3.60	3.63
	16.7	15.86	15.66	15.54	15.42	3.45	3.51	3.54	3.57
18.0	16.21	15.98	15.86	15.77	3.43	3.48	3.51	3.54	

Note: The table shows the case where the operation frequency of a compressor is fixed.

48k								[SI_Unit]	
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
1600	-15.0	10.93	10.83	10.76	10.71	4.72	4.88	4.81	4.85
	-10.0	11.68	11.57	11.49	11.43	5.03	5.20	5.13	5.17
	-7.0	12.23	12.12	12.03	11.98	5.35	5.53	5.46	5.50
	-5.6	12.55	12.44	12.35	12.29	5.24	5.31	5.35	5.39
	-2.8	12.84	12.70	12.64	12.55	5.05	5.12	5.15	5.18
	0.0	12.99	12.81	12.76	12.67	4.86	4.92	4.95	4.98
	2.8	13.60	13.42	13.34	13.22	4.72	4.77	4.80	4.82
	5.6	14.67	14.47	14.38	14.26	4.58	4.62	4.64	4.66
	7.0	15.85	15.63	15.31	15.19	4.51	4.48	4.57	4.59
	11.1	16.50	16.26	16.15	16.06	4.27	4.30	4.31	4.33
	13.9	17.11	16.87	16.76	16.61	4.11	4.12	4.13	4.14
	16.7	17.71	17.45	17.34	17.19	3.95	3.96	3.97	3.97
	18.0	17.98	17.74	17.60	17.48	3.87	3.88	3.88	3.89
1750	-15.0	11.18	11.05	11.00	10.95	4.76	4.92	4.87	4.90
	-10.0	11.93	11.80	11.75	11.69	5.08	5.25	5.19	5.23
	-7.0	12.50	12.36	12.30	12.25	5.40	5.58	5.52	5.55
	-5.6	12.81	12.67	12.61	12.55	5.29	5.36	5.40	5.44
	-2.8	13.10	12.96	12.87	12.81	5.10	5.17	5.20	5.24
	0.0	13.25	13.08	12.99	12.93	4.91	4.97	5.00	5.03
	2.8	13.86	13.68	13.60	13.51	4.77	4.82	4.85	4.87
	5.6	14.96	14.76	14.67	14.58	4.63	4.67	4.69	4.71
	7.0	16.16	15.95	15.63	15.51	4.56	4.53	4.62	4.64
	11.1	16.84	16.61	16.50	16.38	4.32	4.35	4.36	4.37
	13.9	17.45	17.22	17.08	16.96	4.15	4.17	4.18	4.19
	16.7	18.06	17.80	17.69	17.54	4.00	4.01	4.02	4.02
	18.0	18.35	18.09	17.98	17.83	3.92	3.93	3.93	3.94
1900	-15.0	11.30	11.17	11.12	11.04	4.81	4.97	4.91	4.94
	-10.0	12.06	11.93	11.87	11.79	5.13	5.30	5.24	5.27
	-7.0	12.64	12.50	12.44	12.35	5.45	5.63	5.56	5.60
	-5.6	12.96	12.81	12.76	12.67	5.34	5.42	5.46	5.49
	-2.8	13.25	13.10	13.02	12.96	5.15	5.22	5.26	5.29
	0.0	13.39	13.22	13.13	13.05	4.96	5.02	5.05	5.08
	2.8	14.03	13.83	13.74	13.66	4.82	4.87	4.90	4.93
	5.6	15.13	14.93	14.82	14.73	4.68	4.72	4.74	4.77
	7.0	16.34	16.12	15.77	15.68	4.61	4.58	4.67	4.69
	11.1	17.02	16.79	16.67	16.55	4.37	4.40	4.41	4.42
	13.9	17.63	17.40	17.28	17.16	4.20	4.22	4.23	4.24
	16.7	18.26	18.00	17.89	17.74	4.04	4.06	4.06	4.07
	18.0	18.55	18.29	18.15	18.03	3.96	3.97	3.98	3.98

Note: The table shows the case where the operation frequency of a compressor is fixed.

55k							[SL_Unit]		
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
1650	-15.0	11.84	11.69	11.64	11.56	4.99	5.15	5.14	5.19
	-10.0	12.64	12.48	12.43	12.35	5.33	5.49	5.48	5.54
	-7.0	13.24	13.07	13.02	12.93	5.66	5.84	5.83	5.89
	-5.6	13.68	13.51	13.45	13.36	5.59	5.71	5.77	5.83
	-2.8	14.09	13.94	13.86	13.77	5.50	5.62	5.67	5.73
	0.0	14.35	14.17	14.09	13.97	5.41	5.52	5.58	5.63
	2.8	15.13	14.93	14.84	14.73	5.37	5.48	5.54	5.59
	5.6	16.44	16.23	16.12	16.00	5.34	5.44	5.49	5.55
	7.0	17.87	17.65	17.24	17.13	5.33	5.43	5.49	5.54
	11.1	18.72	18.49	18.35	18.23	5.23	5.33	5.38	5.43
	13.9	19.51	19.25	19.10	18.98	5.17	5.27	5.31	5.36
	16.7	20.29	20.00	19.85	19.71	5.11	5.20	5.25	5.29
18.0	20.67	20.38	20.23	20.09	5.08	5.17	5.21	5.26	
1850	-15.0	12.04	11.92	11.84	11.77	5.04	5.20	5.19	5.25
	-10.0	12.86	12.73	12.65	12.56	5.37	5.55	5.54	5.60
	-7.0	13.47	13.33	13.25	13.16	5.71	5.89	5.89	5.95
	-5.6	13.94	13.80	13.71	13.62	5.65	5.77	5.83	5.89
	-2.8	14.38	14.20	14.12	14.03	5.56	5.67	5.73	5.79
	0.0	14.64	14.44	14.35	14.26	5.47	5.58	5.63	5.69
	2.8	15.42	15.22	15.13	15.02	5.43	5.54	5.59	5.65
	5.6	16.75	16.55	16.44	16.32	5.39	5.50	5.55	5.61
	7.0	18.22	18.00	17.56	17.45	5.39	5.49	5.55	5.60
	11.1	19.10	18.84	18.72	18.58	5.29	5.39	5.44	5.50
	13.9	19.88	19.62	19.48	19.36	5.23	5.33	5.38	5.43
	16.7	20.70	20.41	20.26	20.12	5.17	5.26	5.31	5.36
18.0	21.07	20.78	20.64	20.46	5.13	5.23	5.28	5.32	
2000	-15.0	12.17	12.05	11.97	11.90	5.09	5.26	5.25	5.31
	-10.0	13.00	12.87	12.79	12.71	5.43	5.61	5.60	5.66
	-7.0	13.62	13.48	13.39	13.31	5.77	5.96	5.95	6.02
	-5.6	14.09	13.94	13.86	13.77	5.71	5.83	5.89	5.95
	-2.8	14.52	14.35	14.26	14.17	5.62	5.73	5.79	5.85
	0.0	14.78	14.61	14.49	14.41	5.53	5.64	5.70	5.75
	2.8	15.60	15.36	15.28	15.16	5.49	5.60	5.66	5.71
	5.6	16.93	16.70	16.58	16.49	5.45	5.56	5.61	5.67
	7.0	18.42	18.17	17.74	17.62	5.45	5.55	5.61	5.66
	11.1	19.27	19.01	18.90	18.75	5.35	5.45	5.50	5.56
	13.9	20.09	19.80	19.68	19.54	5.29	5.39	5.44	5.48
	16.7	20.87	20.58	20.44	20.29	5.22	5.32	5.37	5.41
18.0	21.28	20.96	20.81	20.67	5.19	5.29	5.33	5.38	

Note: The table shows the case where the operation frequency of a compressor is fixed.

9. Capacity Correction Factor for Height Difference

Capacity (Btu/h)			12K		Pipe Length (m)			
Cooling			5		10	20	25	
Height difference H (m)	Indoor Upper than Outdoor	10			0.973	0.948	0.936	
		5			0.995	0.983	0.958	0.945
		0	1.000	0.988	0.963	0.950		
	Outdoor Upper than Indoor	-5	1.000	0.988	0.963	0.950		
		-10			0.988	0.963	0.950	
Heating			5		10	20	25	
Height difference H (m)	Indoor Upper than Outdoor	10			0.993	0.978	0.970	
		5			1.000	0.993	0.978	0.970
		0	1.000	0.993	0.978	0.970		
	Outdoor Upper than Indoor	-5	0.992	0.985	0.970	0.962		
		-10			0.977	0.962	0.955	

Capacity (Btu/h)			18K		Pipe Length (m)					
Cooling			5		10		20		30	
Height difference H (m)	Indoor Upper than Outdoor	20					0.928		0.912	
		10			0.969		0.937		0.921	
		5	0.995		0.979		0.946		0.930	
		0	1.000		0.984		0.951		0.935	
	Outdoor Upper than Indoor	-5	1.000		0.984		0.951		0.935	
		-10			0.984		0.951		0.935	
		-20					0.951		0.935	
Heating			5		10		20		30	
Height difference H (m)	Indoor Upper than Outdoor	20					0.982		0.976	
		10			0.994		0.982		0.976	
		5	1.000		0.994		0.982		0.976	
		0	1.000		0.994		0.982		0.976	
	Outdoor Upper than Indoor	-5	0.992		0.986		0.974		0.968	
		-10			0.978		0.966		0.960	
		-20					0.959		0.953	

Capacity (Btu/h)	24K		Pipe Length (m)					
Cooling			5	10	20	30	40	50
Height difference H (m)	Indoor Upper than Outdoor	25				0.914	0.894	0.874
		20			0.944	0.924	0.903	0.883
		10		0.975	0.954	0.933	0.912	0.891
		5	0.995	0.984	0.963	0.942	0.921	0.900
		0	1.000	0.989	0.968	0.947	0.926	0.905
	Outdoor Upper than Indoor	-5	1.000	0.989	0.968	0.947	0.926	0.905
		-10		0.989	0.968	0.947	0.926	0.905
		-20			0.968	0.947	0.926	0.905
		-25				0.947	0.926	0.905
Heating			5	10	20	30	40	50
Height difference H (m)	Indoor Upper than Outdoor	25				0.983	0.977	0.970
		20			0.990	0.983	0.977	0.970
		10		0.997	0.990	0.983	0.977	0.970
		5	1.000	0.997	0.990	0.983	0.977	0.970
		0	1.000	0.997	0.990	0.983	0.977	0.970
	Outdoor Upper than Indoor	-5	0.992	0.989	0.982	0.975	0.969	0.962
		-10		0.981	0.974	0.968	0.961	0.955
		-20			0.966	0.960	0.953	0.947
-25					0.952	0.946	0.939	

Capacity (Btu/h)	30K		Pipe Length (m)					
Cooling			5	10	20	30	40	50
Height difference H (m)	Indoor Upper than Outdoor	25				0.887	0.856	0.824
		20			0.928	0.896	0.864	0.833
		10		0.969	0.937	0.905	0.873	0.841
		5	0.995	0.979	0.947	0.914	0.882	0.850
		0	1.000	0.984	0.951	0.919	0.886	0.854
	Outdoor Upper than Indoor	-5	1.000	0.984	0.951	0.919	0.886	0.854
		-10		0.984	0.951	0.919	0.886	0.854
		-20			0.951	0.919	0.886	0.854
		-25				0.919	0.886	0.854
Heating			5	10	20	30	40	50
Height difference H (m)	Indoor Upper than Outdoor	25				0.958	0.942	0.925
		20			0.975	0.958	0.942	0.925
		10		0.992	0.975	0.958	0.942	0.925
		5	1.000	0.992	0.975	0.958	0.942	0.925
		0	1.000	0.992	0.975	0.958	0.942	0.925
	Outdoor Upper than Indoor	-5	0.992	0.984	0.967	0.951	0.934	0.918
		-10		0.976	0.959	0.943	0.927	0.910
		-20			0.952	0.936	0.919	0.903
		-25				0.928	0.912	0.896

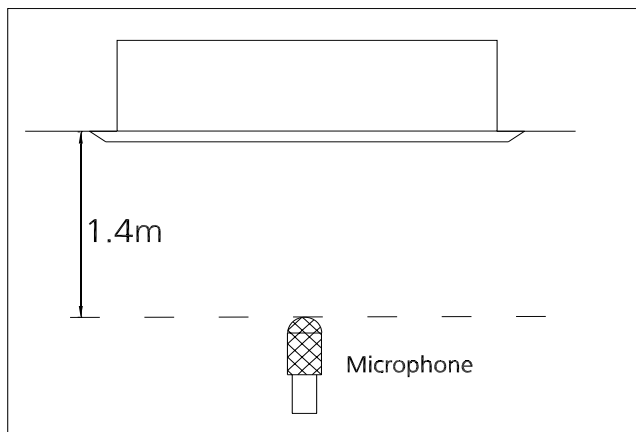
Capacity (Btu/h)		36k	Pipe Length (m)						
Cooling			5	15	25	35	50	65	75
Height difference H (m)	Indoor Upper than Outdoor	30				0.885	0.845	0.805	0.778
		20			0.921	0.894	0.854	0.813	0.786
		10		0.958	0.931	0.903	0.862	0.822	0.794
		5	0.995	0.967	0.940	0.912	0.871	0.830	0.802
		0	1.000	0.972	0.945	0.917	0.876	0.834	0.806
	Outdoor Upper than Indoor	-5	1.000	0.972	0.945	0.917	0.876	0.834	0.806
		-10		0.972	0.945	0.917	0.876	0.834	0.806
		-20			0.945	0.917	0.876	0.834	0.806
		-30				0.917	0.876	0.834	0.806
Heating			5	15	25	35	50	65	75
Height difference H (m)	Indoor Upper than Outdoor	30				0.962	0.943	0.924	0.911
		20			0.975	0.962	0.943	0.924	0.911
		10		0.987	0.975	0.962	0.943	0.924	0.911
		5	1.000	0.987	0.975	0.962	0.943	0.924	0.911
		0	1.000	0.987	0.975	0.962	0.943	0.924	0.911
	Outdoor Upper than Indoor	-5	0.992	0.979	0.967	0.954	0.935	0.917	0.904
		-10		0.972	0.959	0.947	0.928	0.909	0.896
		-20			0.951	0.939	0.921	0.902	0.889
		-30				0.932	0.913	0.895	0.882

Capacity (Btu/h)	42k		Pipe Length (m)						
Cooling			5	15	25	35	50	65	75
Height difference H (m)	Indoor Upper than Outdoor	30				0.881	0.839	0.797	0.769
		20			0.919	0.890	0.848	0.806	0.777
		10		0.956	0.928	0.899	0.857	0.814	0.785
		5	0.995	0.966	0.937	0.908	0.865	0.822	0.793
		0	1.000	0.971	0.942	0.913	0.870	0.826	0.797
	Outdoor Upper than Indoor	-5	1.000	0.971	0.942	0.913	0.870	0.826	0.797
		-10		0.971	0.942	0.913	0.870	0.826	0.797
		-20			0.942	0.913	0.870	0.826	0.797
		-30				0.913	0.870	0.826	0.797
Heating			5	15	25	35	50	65	75
Height difference H (m)	Indoor Upper than Outdoor	30				0.960	0.940	0.920	0.907
		20			0.973	0.960	0.940	0.920	0.907
		10		0.987	0.973	0.960	0.940	0.920	0.907
		5	1.000	0.987	0.973	0.960	0.940	0.920	0.907
		0	1.000	0.987	0.973	0.960	0.940	0.920	0.907
	Outdoor Upper than Indoor	-5	0.992	0.979	0.966	0.952	0.932	0.913	0.900
		-10		0.971	0.958	0.945	0.925	0.905	0.893
		-20			0.950	0.937	0.918	0.898	0.885
-30					0.930	0.910	0.891	0.878	

Capacity (Btu/h)		48k	Pipe Length (m)						
Cooling			5	15	25	35	50	65	75
Height difference H (m)	Indoor Upper than Outdoor	30				0.880	0.838	0.796	0.768
		20			0.918	0.889	0.846	0.804	0.775
		10		0.956	0.927	0.898	0.855	0.812	0.783
		5	0.995	0.966	0.937	0.907	0.864	0.820	0.791
		0	1.000	0.971	0.941	0.912	0.868	0.824	0.795
	Outdoor Upper than Indoor	-5	1.000	0.971	0.941	0.912	0.868	0.824	0.795
		-10		0.971	0.941	0.912	0.868	0.824	0.795
		-20			0.941	0.912	0.868	0.824	0.795
		-30				0.912	0.868	0.824	0.795
Heating			5	15	25	35	50	65	75
Height difference H (m)	Indoor Upper than Outdoor	30				0.956	0.933	0.911	0.896
		20			0.970	0.956	0.933	0.911	0.896
		10		0.985	0.970	0.956	0.933	0.911	0.896
		5	1.000	0.985	0.970	0.956	0.933	0.911	0.896
		0	1.000	0.985	0.970	0.956	0.933	0.911	0.896
	Outdoor Upper than Indoor	-5	0.992	0.977	0.963	0.948	0.926	0.904	0.889
		-10		0.969	0.955	0.940	0.918	0.896	0.882
		-20			0.947	0.933	0.911	0.889	0.875
		-30				0.925	0.904	0.882	0.868

10. Noise Criterion Curves

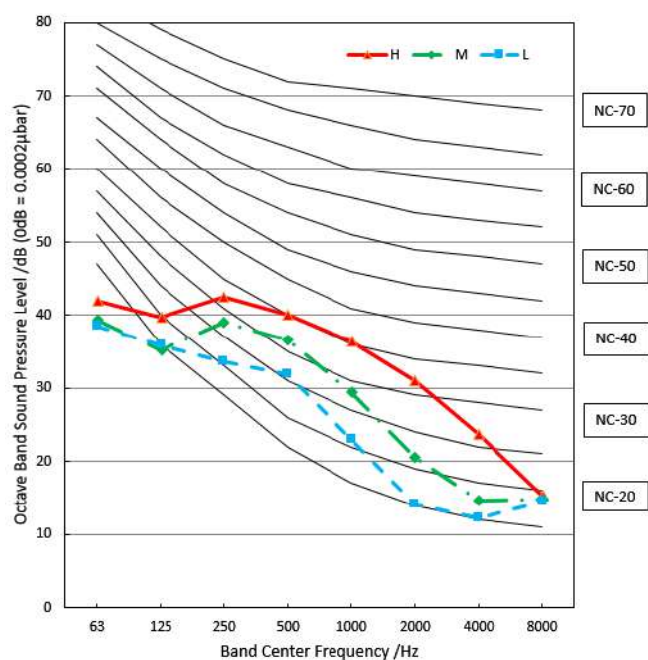
Indoor Unit



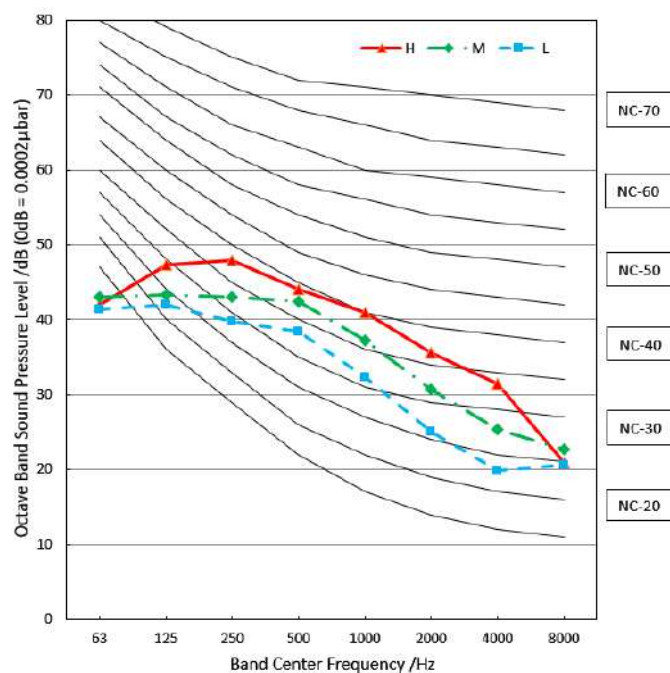
Notes:

- Sound measured at 1.4m away from the noisiest location of the unit.
- Data is valid at free field condition
- Data is valid at nominal operation condition
- Reference acoustic pressure $OdB = 20\mu Pa$
- 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.
- The operating conditions are assumed to be standard.

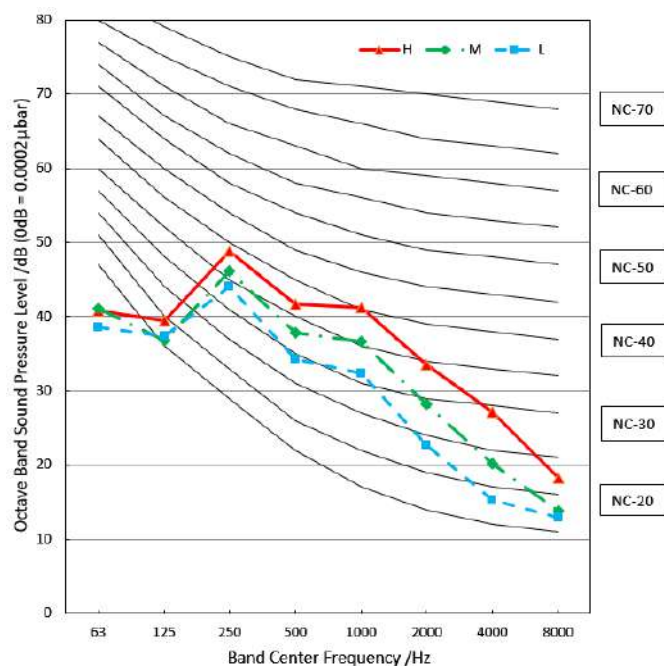
12k



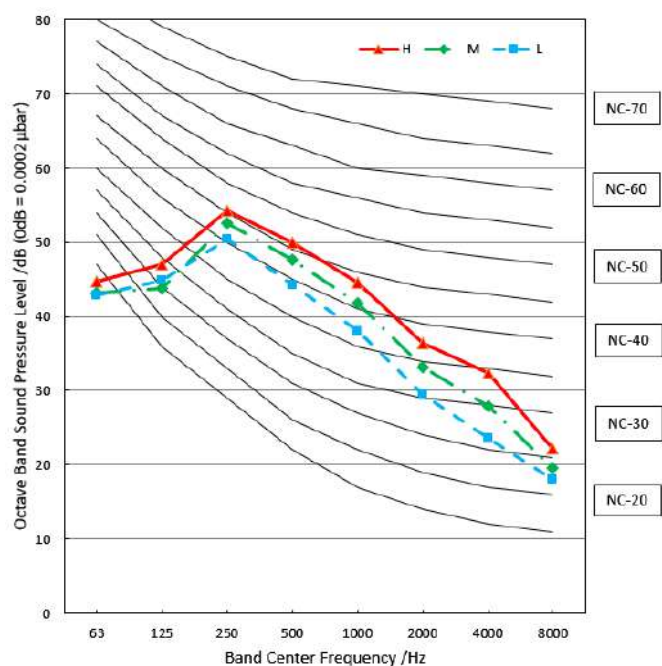
18k



24k

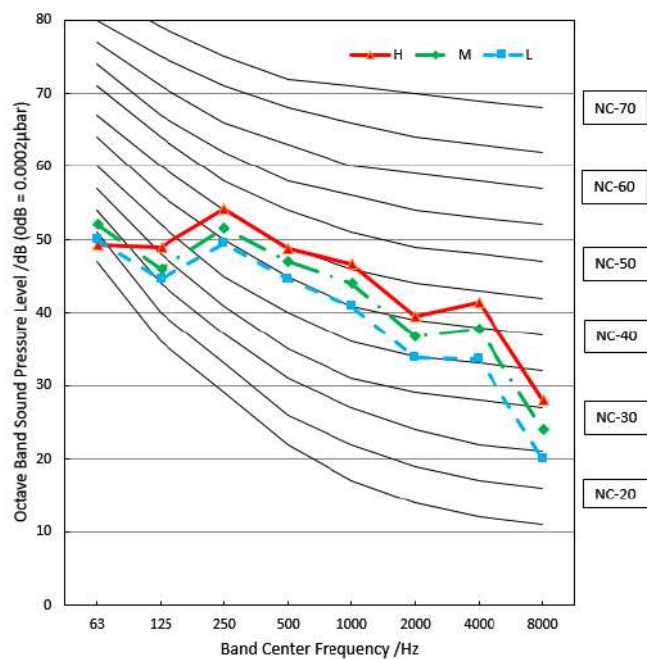
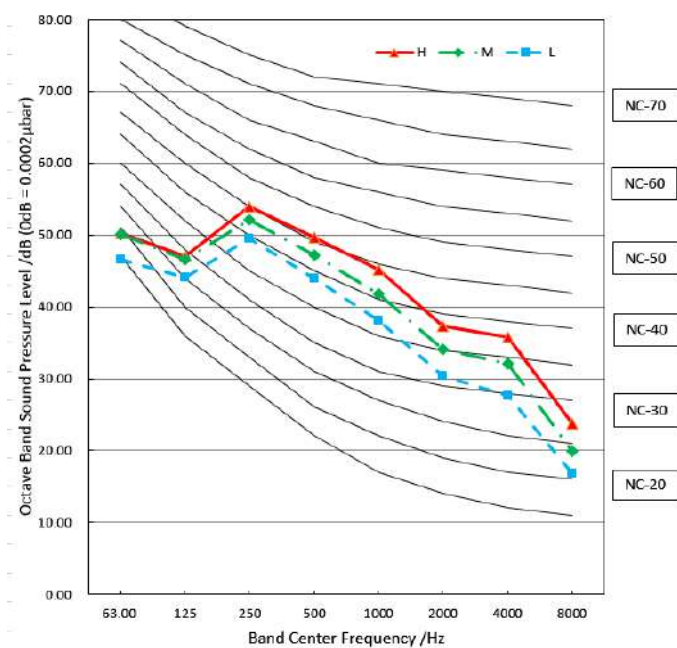


30k



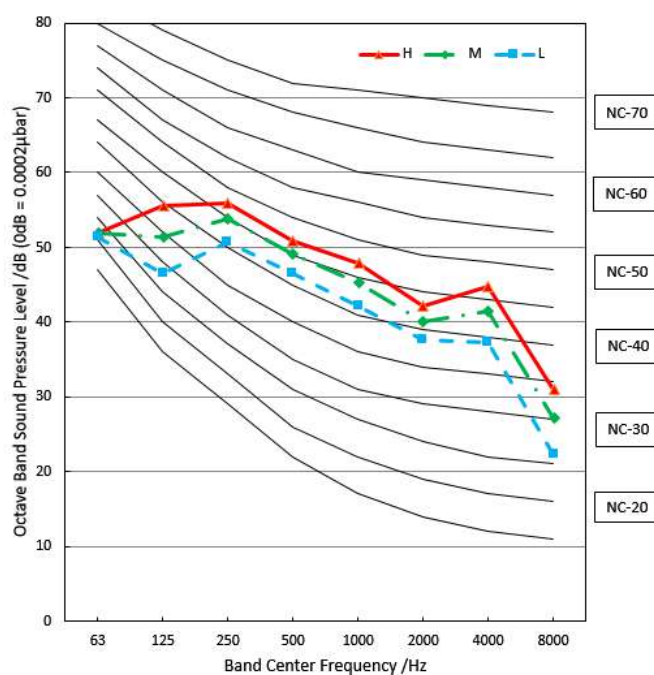
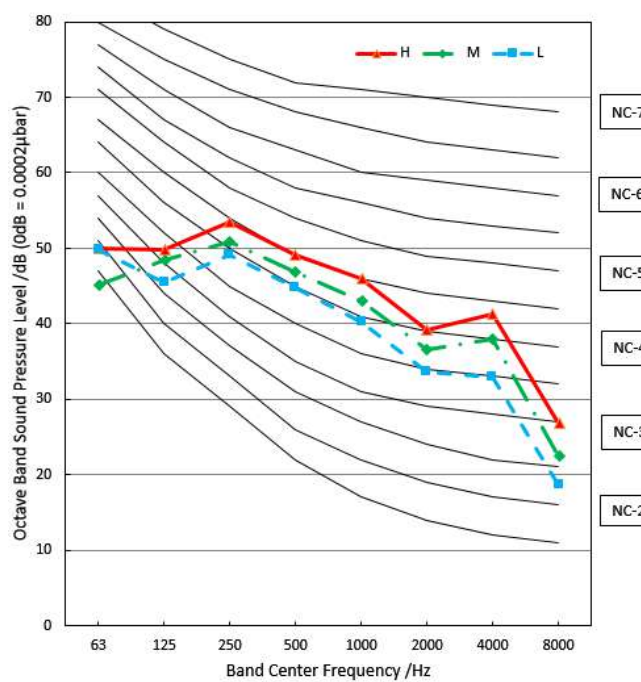
36k

42k

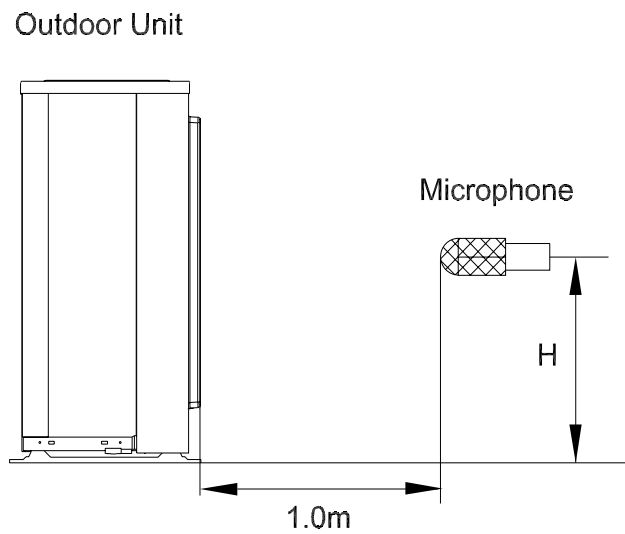


48k

55k



Outdoor Unit



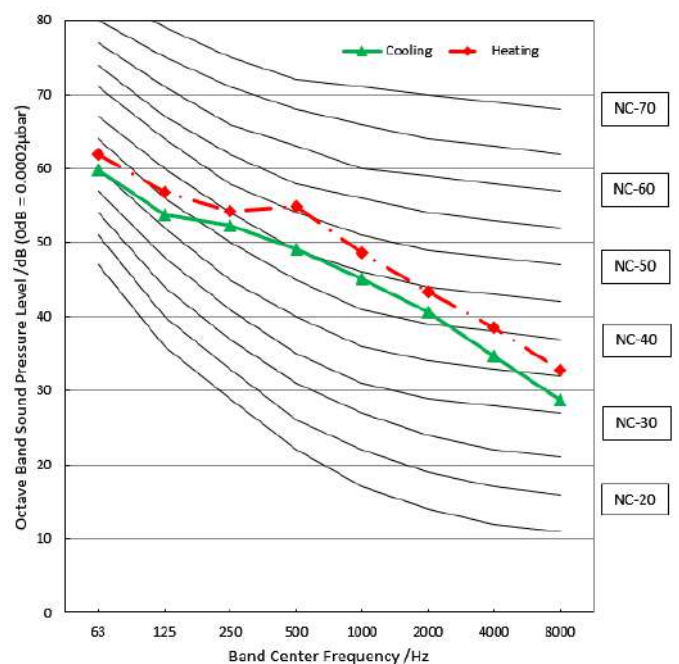
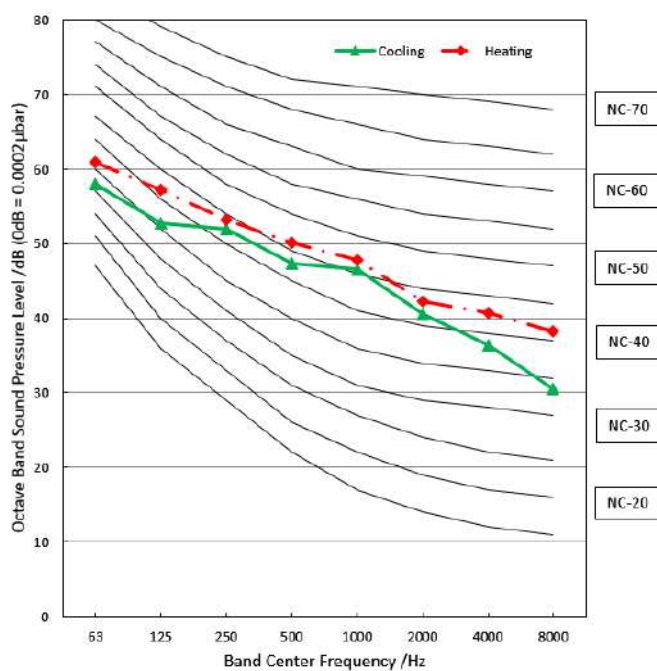
Note: $H = 0.5 \times \text{height of outdoor unit}$

Notes:

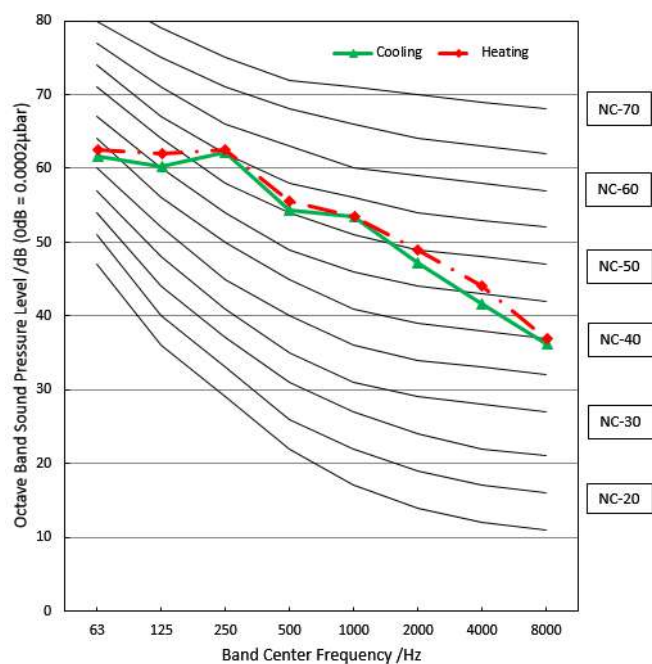
- Sound measured at 1.0m away from the center of the unit.
- Data is valid at free field condition
- Data is valid at nominal operation condition
- Reference acoustic pressure $OdB=20\mu Pa$
- Sound level will vary depending on arrange off actors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
- The operating conditions are assumed to be standard.

MOX230-12HFN8-QRD0W(GA)

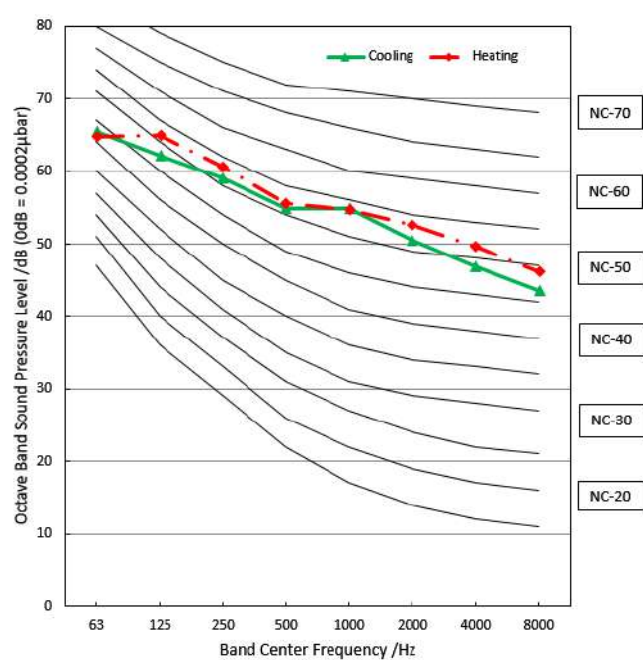
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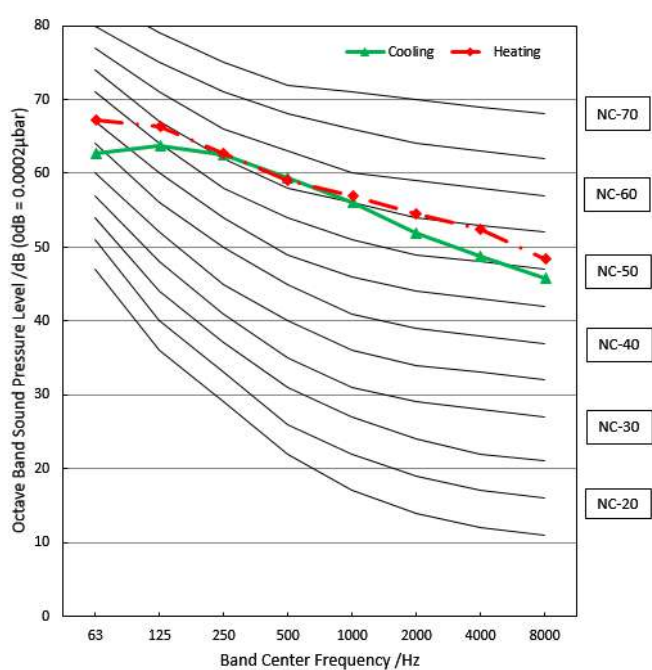
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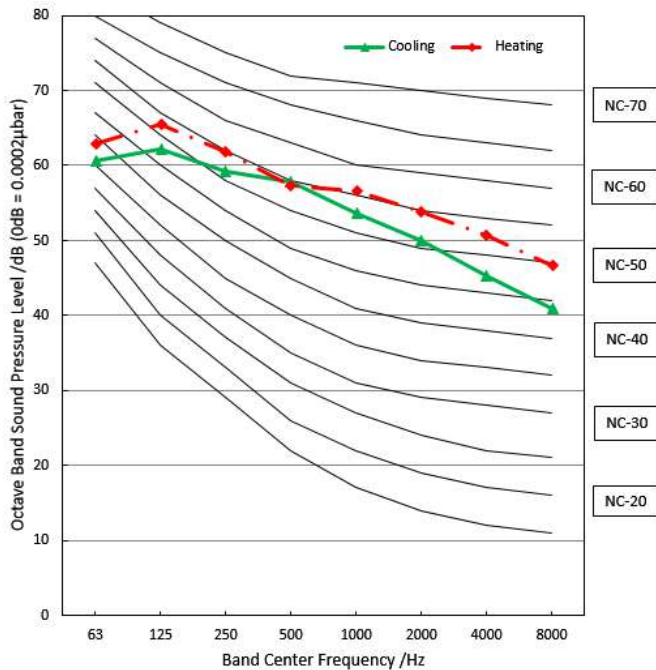
MOD30U-30HFN8-QRD0W(GA)



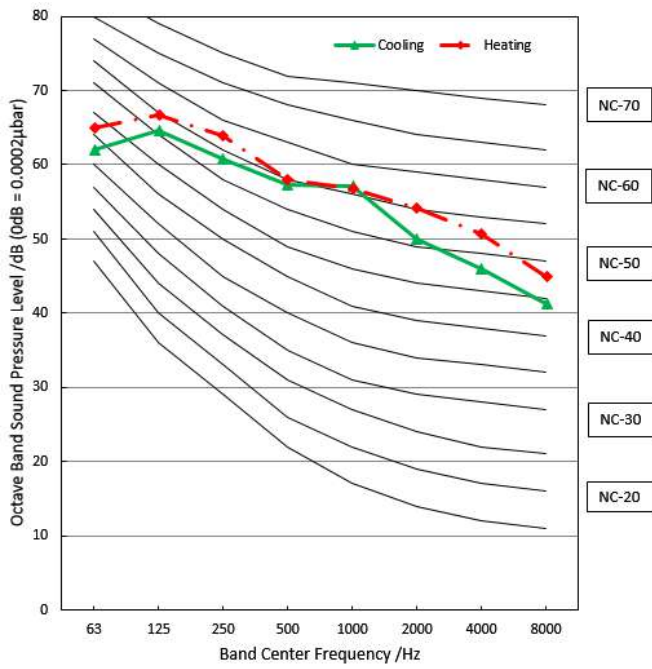
MOD30U-36HFN8-QRD0W(GA)



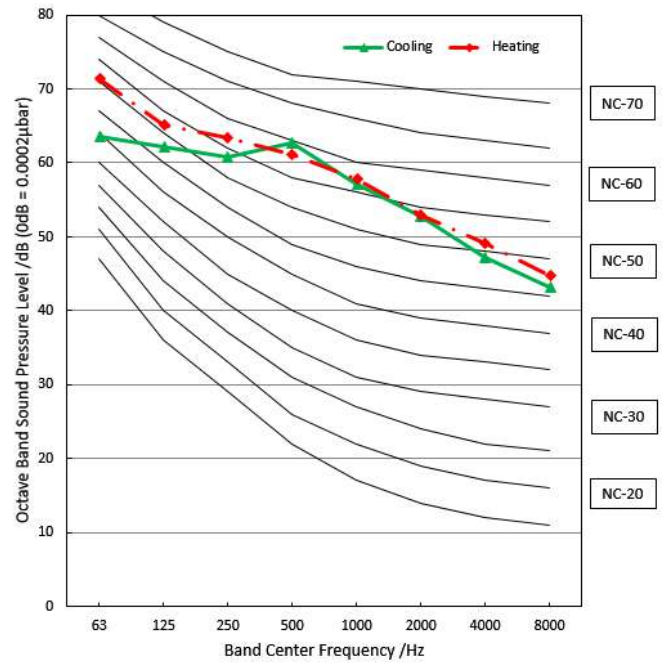
MOD30U-36HFN8-RRD0W(GA)



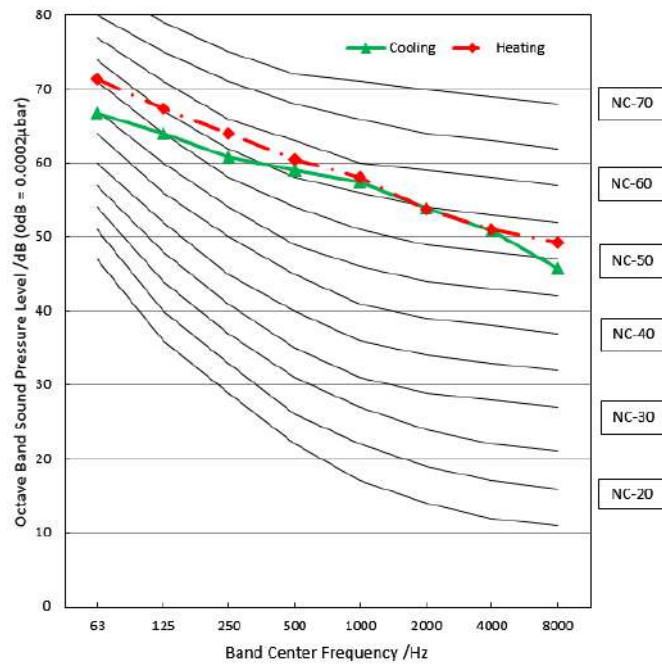
MOD30U-42HFN8-QRD0W(GA)



MOE30U-48HFN8-RRD0W(GA)



MOE30U-55HFN8-RRD0W(GA)



11. Electrical Characteristics

Capacity (Btu/h)		12k~18k	24k	30k	36k
OUTDOOR UNIT POWER	Phase	1-phase	1-phase	1-phase	1-phase
	Frequency and Voltage	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
	Power Wiring (mm ²)	3×1.5	3×2.5	3×2.5	3×4.0
	Circuit Breaker/ Fuse (A)	25/20	25/20	40/30	40/30
Indoor/Outdoor Connecting Wiring	Weak Electric Signal)(mm ²)				
	Strong Electric Signal)(mm ²)				
		4×1.0(4×2.5 with auxiliary electric heater)	4×1.0(4×2.5 with auxiliary electric heater)	4×1.0(4×2.5 with auxiliary electric heater)	4×1.0(4×2.5 with auxiliary electric heater)

Capacity (Btu/h)		36k	42k	48~55k
OUTDOOR UNIT POWER	Phase	3-phase	1-phase	3-phase
	Frequency and Voltage	380-415V, 50Hz	220-240V, 50Hz	380-415V, 50Hz
	Power Wiring (mm ²)	5×2.5	3×4.0	5×2.5
	Circuit Breaker/ Fuse (A)	25/20	50/40	32/25
Indoor/Outdoor Connecting Wiring	Weak Electric Signal) (mm ²)			
	Strong Electric Signal)(mm ²)			
		4×1.0(4×2.5 with auxiliary electric heater)	4×1.0(4×2.5 with auxiliary electric heater)	4×1.0(4×2.5 with auxiliary electric heater)

NOTE: Electric auxiliary heating type circuit breaker/fuse need to add more than 10 A.

Product Features

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1. Operation Modes and Functions

1.1 Abbreviation

Unit element abbreviations

Abbreviation	Element
T1	Indoor room temperature
T2	Coil temperature of evaporator
T3	Coil temperature of condenser
T4	Outdoor ambient temperature
TP	Compressor discharge temperature
Tsc	Adjusted setting temperature

In this manual, such as CDIFTEMP, HDIFTEMP2, TCE1, TCE2...etc., they are well-setting parameter of EEPROM.

1.2 Safety Features

Compressor three-minute delay at restart

Compressor functions are delayed for up to ten seconds upon the first startup of the unit, and are delayed for up to three minutes upon subsequent unit restarts.

Automatic shutoff based on discharge temperature

If the compressor discharge temperature exceeds a certain level for nine seconds, the compressor ceases operation.

Automatic shutoff based on fan speed

If the indoor fan speed registers below 200RPM or over 2100RPM for an extended period of time, the unit ceases operation.

Inverter module protection

The inverter module has an automatic shutoff mechanism based on the unit's current, voltage, and temperature. If automatic shutoff is initiated, the corresponding error code is displayed on the indoor unit and the unit ceases operation.

Indoor fan delayed operation

- When the unit starts, the louver is automatically activated and the indoor fan will operate after a period of setting time or the louver is in place.
- If the unit is in heating mode, the indoor fan is regulated by the anti-cold wind function.

Compressor preheating

Preheating is automatically activated when T4 sensor is lower than setting temperature.

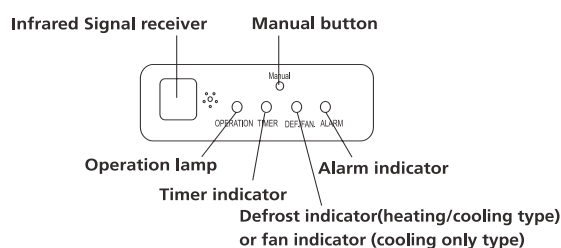
Sensor redundancy and automatic shutoff

- If one temperature sensor malfunctions, the air conditioner continues operation and displays the corresponding error code, allowing for emergency use.
- When more than one temperature sensor is malfunctioning, the air conditioner ceases operation.

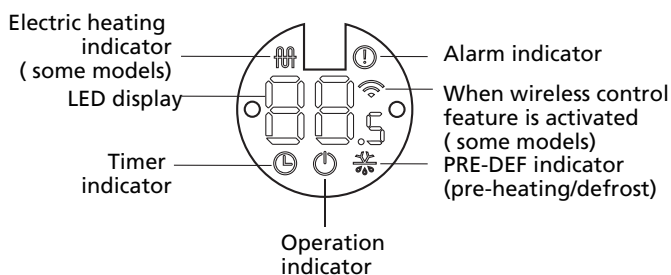
1.3 Display Function

Unit display functions

Compact Cassette



Super-slim Cassette



1.4 Fan Mode

When fan mode is activated:

- The outdoor fan and compressor are stopped.
- Temperature control is disabled and no temperature setting is displayed.
- The indoor fan speed can be set to 1%~100%, or low, medium, high and auto.
- The louver operations are identical to those in cooling mode.
- Auto fan: In fan-only mode, AC operates the same as auto fan in cooling mode with the temperature set at 24°C.

1.5 Cooling Mode

1.5.1 Compressor Control

Reach the configured temperature:

- 1) When the compressor runs continuously for less than 120 minutes.

- If the following conditions are satisfied, the compressor ceases operation.
 - While calculated frequency(f_b) is less than minimum limit frequency(F_{minC}).
 - While protective time is more than or equal to ten minutes.
 - While T_1 is lower than or equal to $(T_{sc}-CDIFTEMP-0.5^\circ C)$
- 2) When the compressor runs continuously for more than 120 minutes.
- If the following conditions are satisfied, the compressor ceases operation.
 - When calculated frequency(f_b) is less than minimum limit frequency(F_{minC}).
 - When protective time is more than or equal to ten minutes.
 - When T_1 is lower than or equal to $(T_{sc}-CDIFTEMP)$.
- 3) If one of the following conditions is satisfied, not judge protective time.
- Compressor running frequency is more than test frequency.
 - When compressor running frequency is equal to test frequency, T_4 is more than $15^\circ C$ or T_4 fault.
 - Change setting temperature.
 - Turbo or sleep function on/off
 - Various frequency limit shutdown occurs.

1.5.2 Indoor Fan Control

- 1) In cooling mode, the indoor fan operates continuously. The fan speed can be set to 1%-100%, or low, medium, high and auto.
- 2) Auto fan action in cooling mode:
- Descent curve
 - When T_1-T_{sc} is lower than or equal to $3.5^\circ C$, fan speed reduces to 80%;
 - -When T_1-T_{sc} is lower than or equal to $1^\circ C$, fan speed reduces to 60%;
 - -When T_1-T_{sc} is lower than or equal to $0.5^\circ C$, fan speed reduces to 40%;
 - -When T_1-T_{sc} is lower than or equal to $0^\circ C$, fan speed reduces to 20%;
 - -When T_1-T_{sc} is lower than or equal to $-0.5^\circ C$, fan speed reduces to 1%.
 - Rise curve
 - When T_1-T_{sc} is higher than $0^\circ C$, fan speed increases to 20%;
 - -When T_1-T_{sc} is higher than $0.5^\circ C$, fan speed

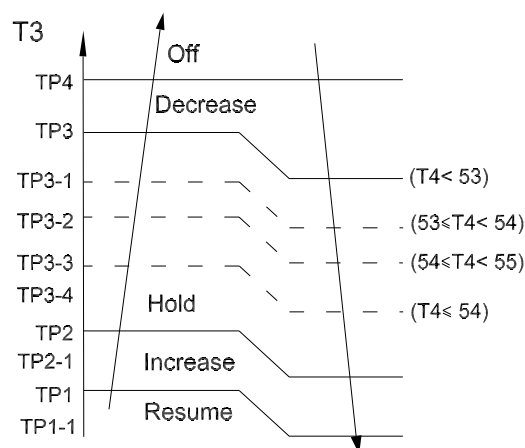
increases to 40%;

- -When T_1-T_{sc} is higher than $1^\circ C$, fan speed increases to 60%;
- -When T_1-T_{sc} is higher than $1.5^\circ C$, fan speed increases to 80%;
- -When T_1-T_{sc} is higher than $4^\circ C$, fan speed increases to 100%.

1.5.3 Outdoor Fan Control

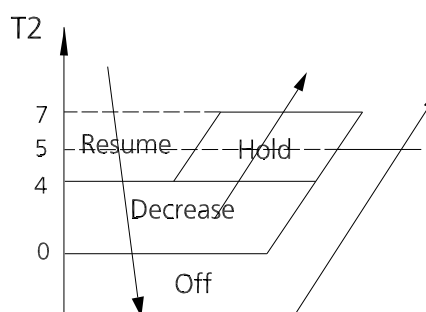
- The outdoor unit will be run at different fan speed according to T_4 and compressor frequency.
- For different outdoor units, the fan speeds are different.

1.5.4 Condenser Temperature Protection



When the condenser temperature exceeds a configured value, the compressor ceases operation.

1.5.5 Evaporator Temperature Protection



- Off: Compressor stops.
- Decrease: Decrease the running frequency to the lower level per 1 minute.
- Hold: Keep the current frequency.
- Resume: No limitation for frequency.

1.6 Heating Mode(Heat Pump Units)

1.6.1 Compressor Control

1) Reach the configured temperature

- If the following conditions are satisfied, the compressor ceases operation.
 - While calculated frequency(fb) is less than minimum limit frequency(FminH).
 - When protective time is more than or equal to ten minutes.
 - When T1 is higher than or equal to Tsc+ HDIFTEMP2.

Note: HDIFTEMP2 is EEPROM setting parameter. It is 2°C usually.

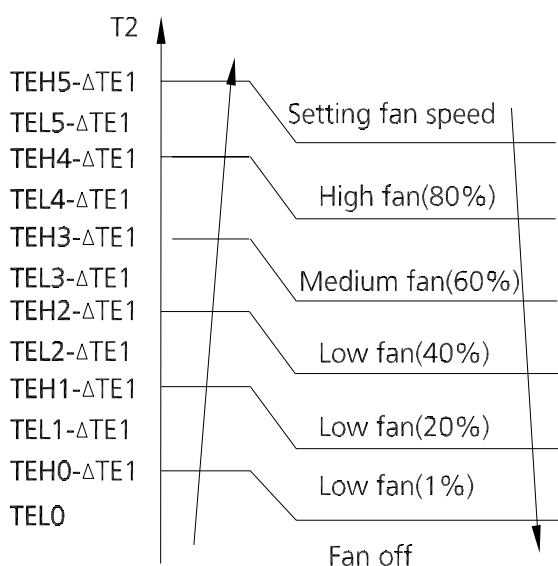
- If one of the following conditions is satisfied, not judge protective time.
 - Compressor running frequency is more than test frequency.
 - When compressor running frequency is equal to test frequency, T4 is more than 15°C or T4 fault.
 - Change setting temperature.
 - Turbo or sleep function on/off.

2) When the current is higher than the predefined safe value, surge protection is activated, causing the compressor to cease operations.

1.6.2 Indoor Fan Control:

1) In heating mode, the indoor fan operates continuously. The fan speed can be set to 1%-100%, or low, medium, high and auto.

- . Anti-cold air function
 - The indoor fan is controlled by the indoor temperature T1 and indoor unit coil temperature T2.



ΔTE1=0

2) Auto fan action in heating mode:

- Rise curve
 - When T1-Tsc is higher than -1.5°C, fan speed reduces to 80%;
 - -When T1-Tsc is higher than 0°C, fan speed reduces to 60%;
 - -When T1-Tsc is higher than 0.5°C, fan speed reduces to 40%;
 - -When T1-Tsc is higher than 1°C, fan speed reduces to 20%.
- Descent curve
 - When T1-Tsc is lower than or equal to 0.5°C, fan speed increases to 20%;
 - -When T1-Tsc is lower than or equal to 0°C, fan speed increases to 60%;
 - -When T1-Tsc is lower than or equal to -1.5°C, fan speed increases to 80%;
 - -When T1-Tsc is lower than or equal to -3°C, fan speed increases to 100%.

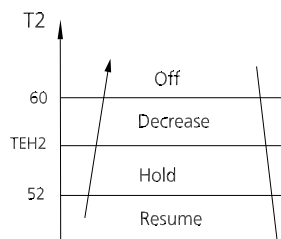
1.6.3 Outdoor Fan Control:

- The outdoor unit will be run at different fan speed according to T4 and compressor frequency.
- For different outdoor units, the fan speeds are different.

1.6.4 Defrosting mode

- The unit enters defrosting mode according to the temperature value of T3 and T4 as well as the compressor running time.
- In defrosting mode, the compressor continues to run, the indoor and outdoor motor will cease operation, the defrost light of the indoor unit will turn on, and the "df" symbol is displayed.
- If any one of the following conditions is satisfied, defrosting ends and the machine switches to normal heating mode:
 - T3 rises above TCDE1.
 - T3 maintained above TCDE2 for 80 seconds.
 - Unit runs for 15 minutes consecutively in defrosting mode.
- If T4 is lower than or equal to -22°C and compressor running time is more than TIMING_DEFROST_TIME, if any one of the following conditions is satisfied, defrosting ends and the machine switches to normal heating mode:
 - Unit runs for 10 minutes consecutively in defrosting mode.
 - T3 rises above 10°C.

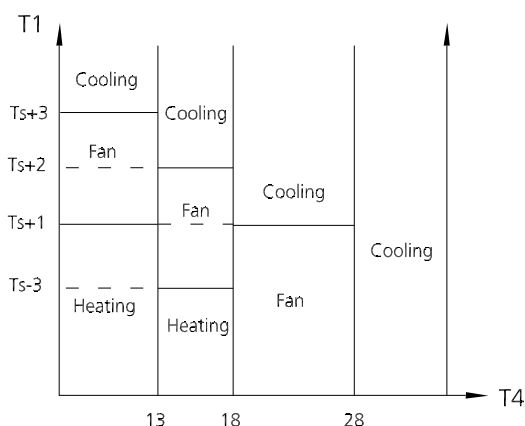
1.6.5 Evaporator Coil Temperature Protection



- Off: Compressor stops.
- Decrease: Decrease the running frequency to the lower level per 20 seconds.
- Hold: Keep the current frequency.
- Resume: No limitation for frequency.

1.7 Auto Mode

- This mode can be selected with the remote controller and the temperature setting can be adjusted between 16°C~30°C.
- In auto mode, the machine selects cooling, heating, auto-drying or fan-only mode on the basis of T1, Ts, T4 and relative humidity.



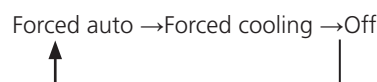
1.8 Drying Mode

- In drying mode, AC operates the same as auto fan in cooling mode.
- All protections are activated and operate the same as they do that in cooling mode.
- Low Room Temperature Protection

If the room temperature is lower than 10°C, the compressor ceases operations and does not resume until room temperature exceeds 12°C.

1.9 Forced Operation Function

Press the AUTO/COOL button, the AC will run as below sequence:



- Forced cooling mode:

The compressor and outdoor fan continue to run and the indoor fan runs at breeze speed. After running for 30 minutes, the AC will switch to auto mode with a preset temperature of 24°C(76°F).

- Forced auto mode:

Forced auto mode operates the same as normal auto mode with a preset temperature of 24°C(76°F).

- The unit exits forced operation when it receives the following signals:
 - Switch off
 - Changes in:
 - mode
 - fan speed
 - sleep mode
 - Follow me

1.10 Timer Function

- The timing range is 24 hours.
- Timer On. The machine turns on automatically at the preset time.
- Timer Off. The machine turns off automatically at the preset time.
- Timer On/Off. The machine turns on automatically at the preset On Time, and then turns off automatically at the preset Off Time.
- Timer Off/On. The machine turns on automatically at the preset Off Time and then turns off automatically at the preset On Time.
- The timer does not change the unit operation mode. If the unit is off now, it does not start up immediately after the "timer off" function is set. When the setting time is reached, the timer LED switches off and the unit running mode remains unchanged.
- The timer uses relative time, not clock time

1.11 Sleep function

- The sleep function is available in cooling, heating, or auto mode.
- The operational process for sleep mode is as follows:
 - When cooling, the temperature rises 1°C (to not higher than 30°C/86°F) every hour. After 2 hours, the temperature stops rising and the indoor fan is fixed at low speed.
 - When heating, the temperature decreases 1°C (to

not lower than 16°C/60.8°F) every hour. After 2 hours, the temperature stops decreasing and the indoor fan is fixed at low speed. Anti-cold wind function takes priority.

- The operating time for sleep mode is 8 hours, after which, the unit exits this mode.
- The timer setting is available in this mode.

1.12 Auto-Restart function

- The indoor unit has an auto-restart module that allows the unit to restart automatically. The module automatically stores the current settings and in the case of a sudden power failure, will restore those setting automatically within 3 minutes after power returns.

1.13 8°C Heating

In heating mode, the temperature can be set to as low as 8°C, preventing the indoor area from freezing if unoccupied during severe cold weather.

1.14 Follow me

- If you press "Follow Me" on the remote, the indoor unit will beep. This indicates the follow me function is active.
- Once active, the remote control will send a signal every 3 minutes, with no beeps. The unit automatically sets the temperature according to the measurements from the remote control.
- The unit will only change modes if the information from the remote control makes it necessary, not from the unit's temperature setting.
- If the unit does not receive a signal for 7 minutes or you press "Follow Me," the function turns off. The unit regulates temperature based on its own sensor and settings.

1.15 Silence

- Press "Silence" on the remote control to enable the SILENCE function. While this function is active, the compressor frequency is maintained at a lower level than F3. The indoor unit will run at faint breeze(1%), which reduces noise to the lowest possible level.
- When match with multi outdoor unit, this function is disabled.

1.16 ECO Function

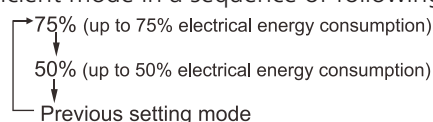
- Used to enter the energy efficient mode.
 - Under cooling mode, press ECO button, the remote controller will adjust the temperature automatically

to 24°C/75°F, fan speed of Auto to save energy (but only if the set temperature is less than 24°C/75°F). If the set temperature is more than 24°C/75°F and 30°C/86°F, press the ECO button, the fan speed will change to Auto, the set temperature will remain unchanged.

- When pressing the ECO button, or modifying the mode or adjusting the set temperature to less than 24°C/75°F, the AC will quit the ECO operation.
- Operation time in ECO mode is 8 hours. After 8 hours the AC quits this mode.

1.17 Electrical energy consumption control function

Press the "Gear" button on remote controller to enter the energy efficient mode in a sequence of following:



Turn off the unit or activate ECO, sleep, Super cool, 8°C Heating, Silence or self clean function will quit this function.

1.18 Active Clean function

- The Active Clean Technology washes away dust, mold, and grease that may cause odors when it adheres to the heat exchanger by automatically freezing and then rapidly thawing the frost. The internal wind wheel then keeps operating to blow-dry the evaporator, thus preventing the growth of mold and keeping the inside clean.
- When this function is turned on, the indoor unit display window appears "CL", after 20 to 45 minutes, the unit will turn off automatically and cancel Active Clean function.

1.19 Drain Pump Control

- Use the water-level switch to control drain pump.
- The system checks the water level every 5 seconds.
 - When the A/C operates in cooling (including auto cooling) or forced cooling mode, the pump begins running immediately and continuously until cooling stops.
 - If the water level increases up to the control point, the LED displays an alarm code and the drain pump opens and continually monitors the water level. If the water level falls and LED alarm code is no longer displayed (drain pump close delay is 1 minute), the unit goes back into its last mode. Otherwise, the entire system (including the pump) stops and the LED displays an alarm again after 3 minutes.

2. Remote Controller Functions

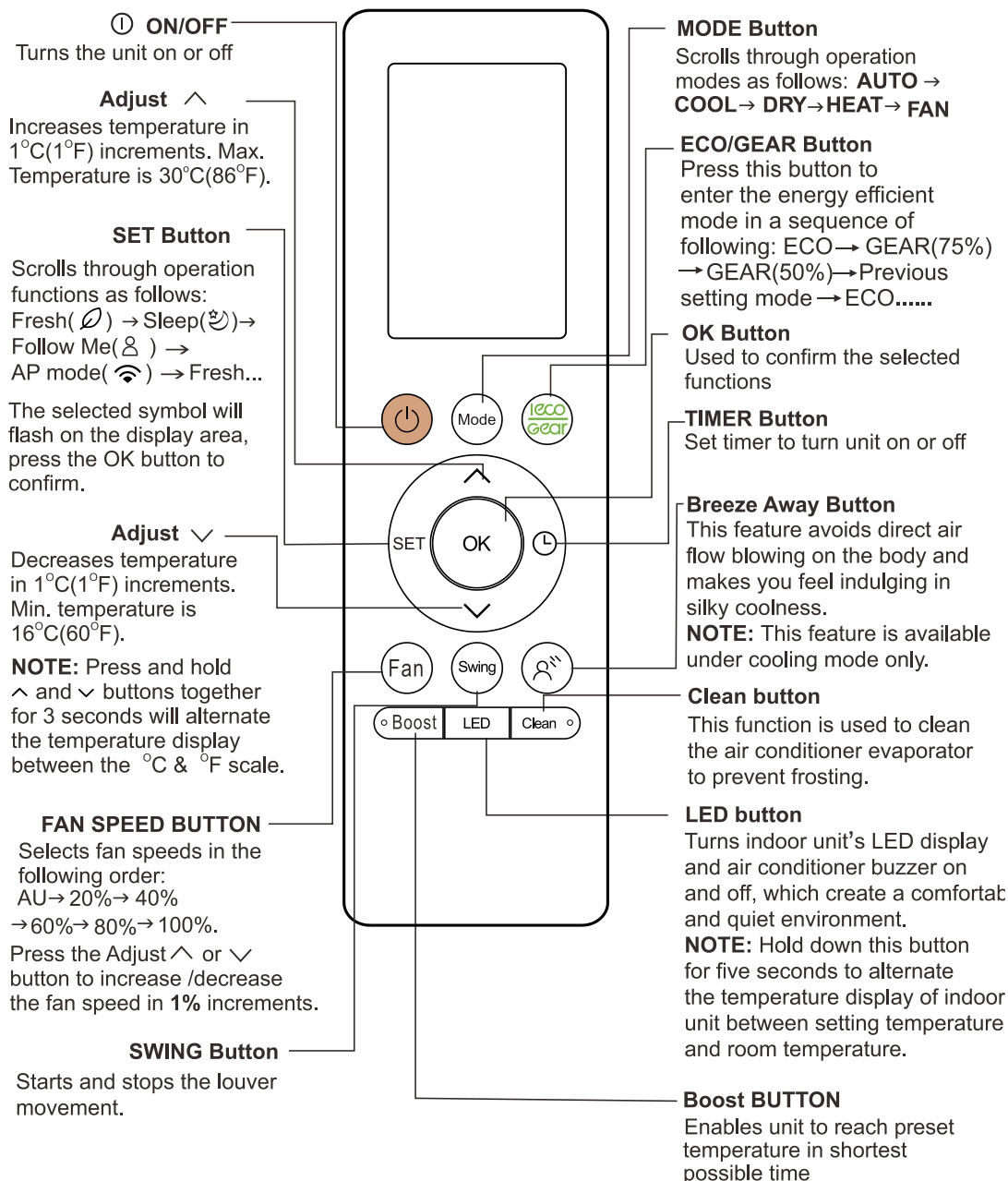
2.1 Infrared Wireless Remote Controller

2.1.1.RG10A(B2S)/BGEF (Standard)

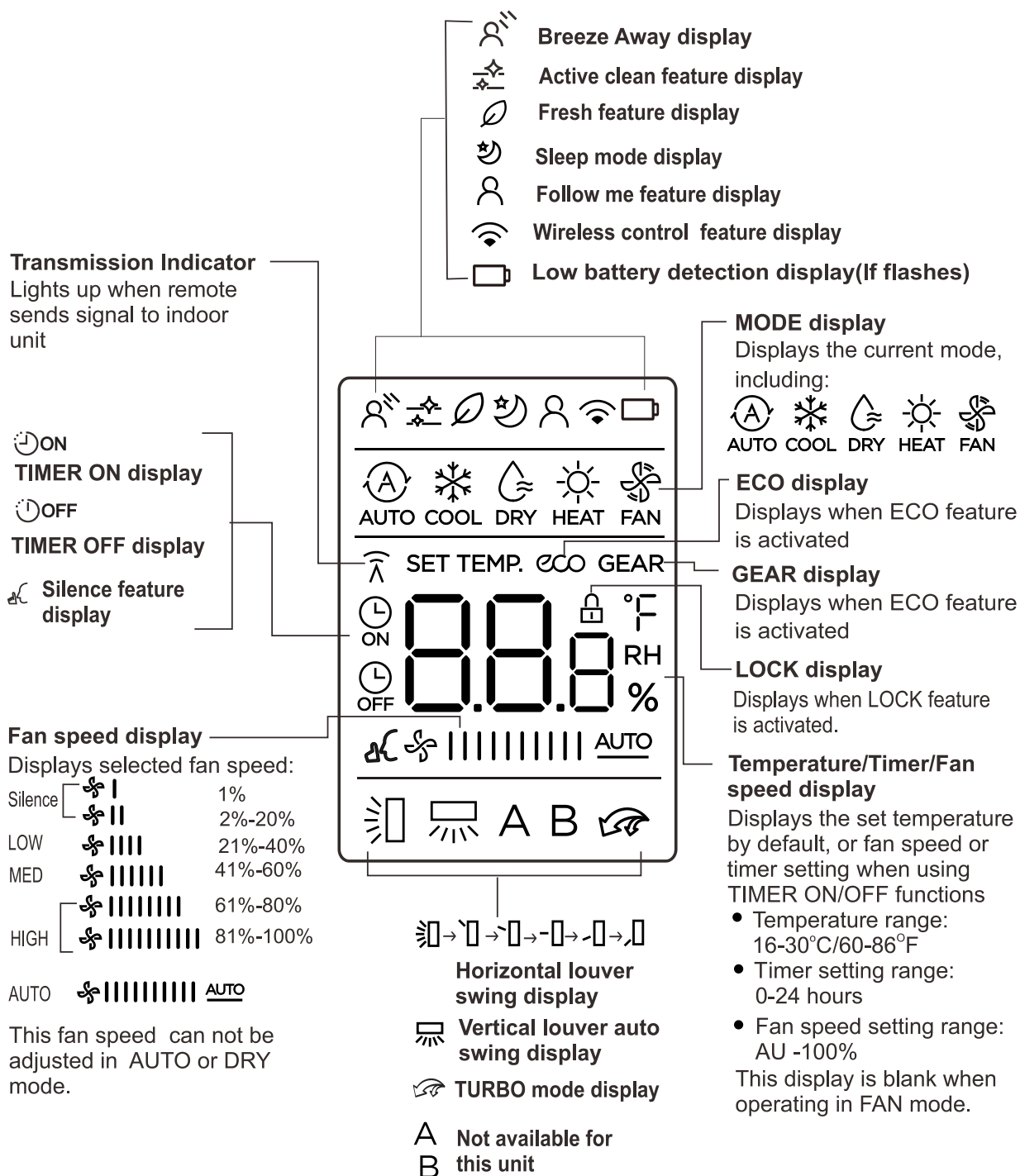
Remote Controller Specifications

Model	RG10A(B2S)/BGEF
Rated Voltage	3.0V (Dry batteries R03/LR03×2)
Reaching Distance	8m
Environment Temperature Range	-5°C~60°C(23°F~140°F)

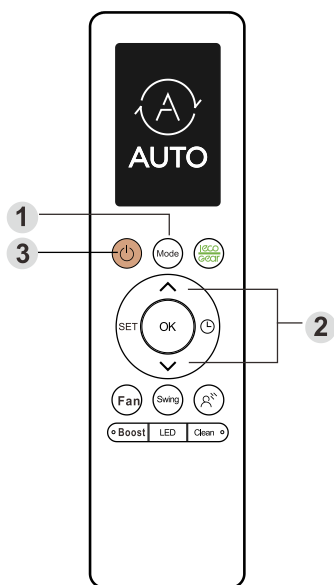
Buttons and Functions



Remote LCD Screen Indicators

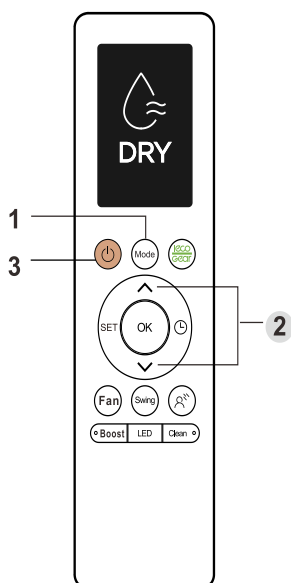


How To Use The Basic Functions



COOL Operation

1. Press the MODE button to select COOL mode.
2. Set your desired temperature using the Temp ▲ or Temp ▼ button.
3. Press the FAN button to select the fan speed in a range of Au-100%, in conjunction with Temp ▲ or Temp ▼ button.
4. Press the ON/OFF button to start the unit.



Setting Temperature

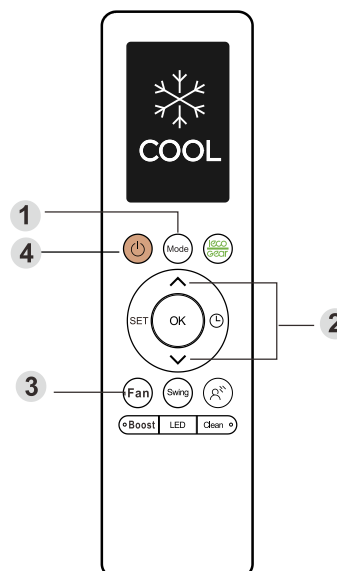
The operating temperature range for units is 16-30°C/60-86°F. You can increase or decrease the set temperature in 0.5°C/1°F increments.

AUTO Operation

In AUTO mode, the unit will automatically select the COOL, FAN, HEAT or DRY mode based on the set temperature.

1. Press the MODE button to select Auto mode.
2. Set your desired temperature using the Temp ▲ or Temp ▼ button.
3. Press the ON/OFF button to start the unit.

NOTE: FAN SPEED can't be set in Auto mode.



DRY Operation(dehumidifying)

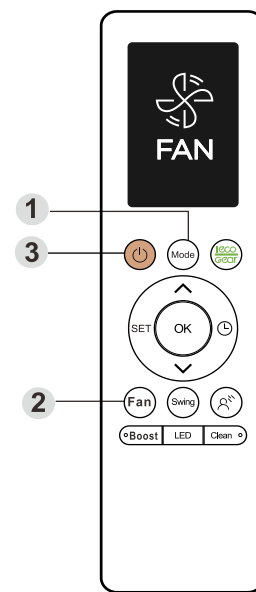
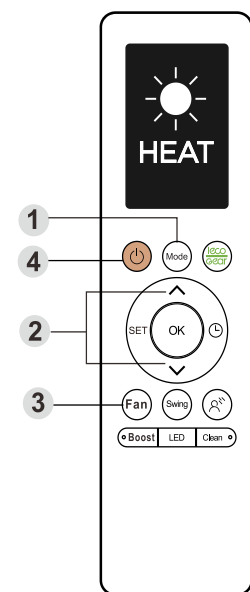
1. Press the MODE button to select DRY mode.
2. Set your desired temperature using the Temp ▲ or Temp ▼ button.
3. Press the ON/OFF button to start the unit.

NOTE: FAN SPEED can't be changed in DRY mode.

FAN Operation

1. Press the MODE button to select FAN mode.
2. Press the FAN button to select the fan speed in a range of Au-100%, in conjunction with Temp $\nearrow$ or Temp $\searrow$ button.
3. Press the ON/OFF button to start the unit.

NOTE: You can't set temperature in FAN mode. As a result, your remote control sLCD screen will not display temperature.



HEAT Operation

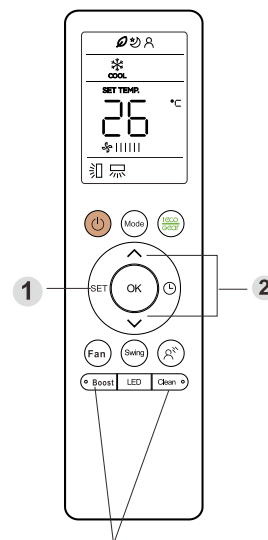
1. Press the MODE button to select HEAT mode.
2. Set your desired temperature using the Temp $\nearrow$ or Temp $\searrow$ button.
3. Press the FAN button to select the fan speed in a range of Au-100%, in conjunction with Temp $\nearrow$ or Temp $\searrow$ button.
4. Press the ON/OFF button to start the unit.

NOTE: As outdoor temperature drops, the performance of your unit's HEAT function may be affected. In such instances, we recommend using this air conditioner in conjunction with other heating appliance.

How To Use The Advanced Functions

- Press the SET button to enter the function setting, then press SET button or Temp $\nearrow$ or Temp $\searrow$ button to select the desired function.
- The selected symbol will flash on the display area, press the OK button to confirm.
- To cancel the selected function, just perform the same procedures as above.
- Press the SET button to scroll through operation functions as follows:

Fresh () --> Sleep () --> Follow Me () --> AP Mode ()



Press and hold **Boost** and **Clean** buttons together for five seconds to lock the keypads. Press and hold **Turbo** and **Clean** buttons together for two seconds to cancel.

ECO/GEAR Function

NOTE: This function is only available under COOL mode.

Press ECO/GEAR button to enter the energy efficient mode in a sequence of following:

ECO -->GEAR(75%) -->GEAR(50%) --> Previous setting mode -->ECO.....

ECO operation:

Under cooling mode, press this button, the remote controller will adjust the temperature automatically to 24°C, fan speed of Auto to save energy(but only if the set temperature is less than 24°C). If the set temperature is above 24°C, press the ECO button, the fan speed will change to Auto, the set temperature will remain unchanged.

NOTE:

- Pressing the ON/OFF button, modifying the mode or adjusting the set temperature to less than 24°C will stop ECO operation.
- Under ECO operation, the set temperature should be 24°C or higher. it may result in insufficient cooling. If you feel uncomfortable, just press the ECO button again to stop it.

GEAR operation:

- Press this button to enter the energy efficient mode in a sequence of following:

75% (up to 75% electrical energy consumption)



50% (up to 50% electrical energy consumption)



Previous setting mode

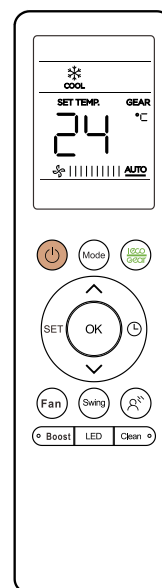
- This function is only available under COOL mode.
- Under GEAR operation, the display on the remote controller will alternate between electrical energy consumption and set temperature.

TEMP Button

Press and hold  and  buttons together for 3 seconds will alternate the temperature display between the °C & °F scale.

FP Function

When the air conditioner operates under heating mode with the set temperature of 16°C(60°F), pressing  button twice in two seconds will activate 8°C(46°F) heating. The indoor unit display shows "FP".



Active Clean Function()

- This function is used to clean the air conditioner evaporator to prevent frosting.
- When this function is turned on, the indoor unit display window appears "CL", after 20 to 45 minutes, the unit will turn off automatic

Silence Function

Hold down Fan speed button() for 2 seconds to activate/cancel Silent mode.

Boost Function()

The Boost function makes the unit work extra hard to reach your present temperature in the shortest amount of time possible.

Swing Button

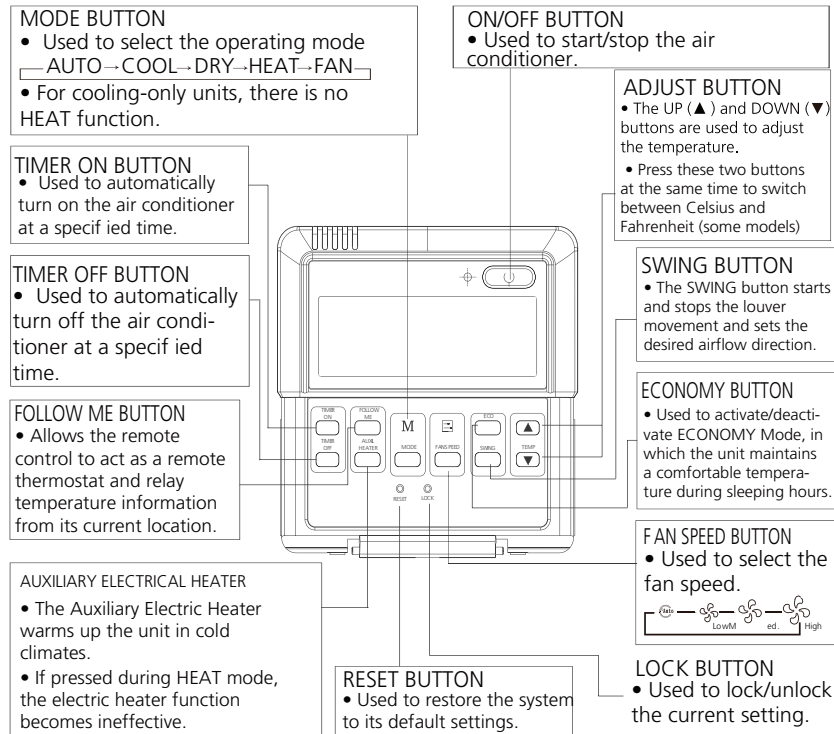
- Press the Swing button to start or stop the horizontal louver auto swing feature. If continue to press the Swing button, five different airflow directions can be set. The louver can be move at a certain range each time you press the button.
- Hold down the Swing button for 2 seconds will start or stop the vertical louver auto swing feature.

NOTE:

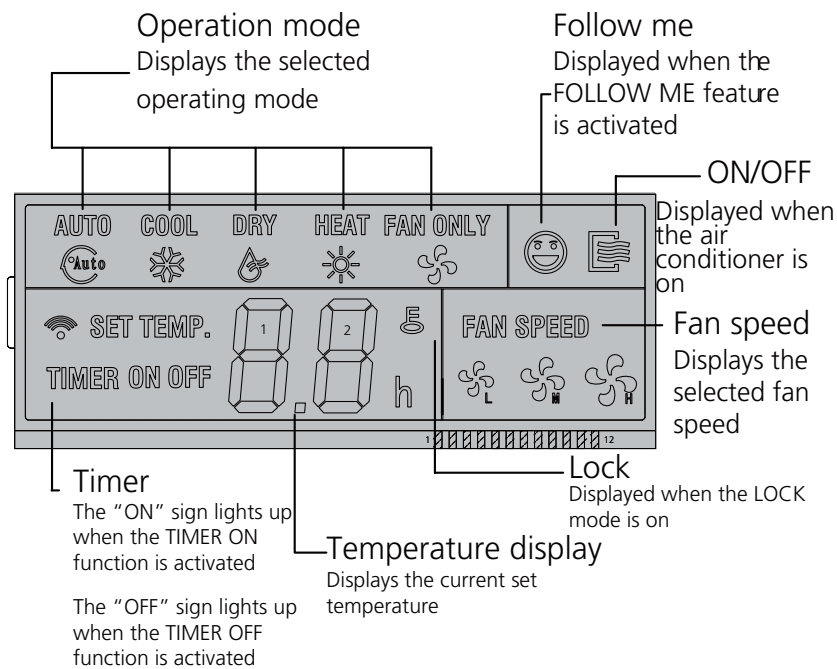
- When the unit is off, press and hold **Mode** and **Swing** buttons together for one second, the louver will open for a certain angle, which makes it very convenient for cleaning.
- Press and hold **Mode** and **Swing** buttons together for one second to reset the louver.

2.2 LCD Wired Remote Controller KJR-12B/DP(T)(Optional)

i) Buttons and Functions

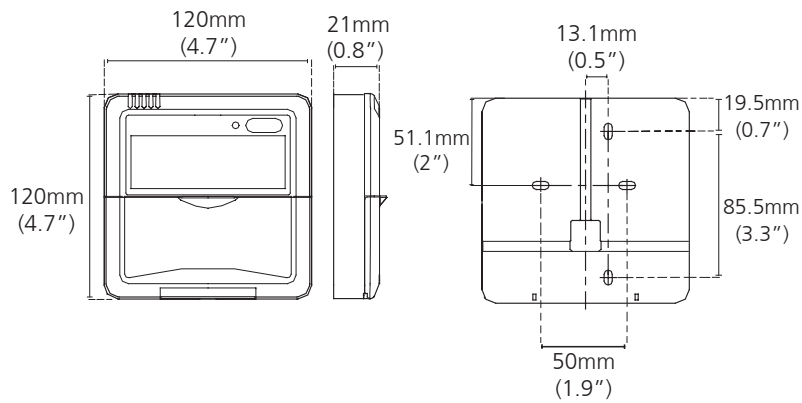


ii) LCD Screen



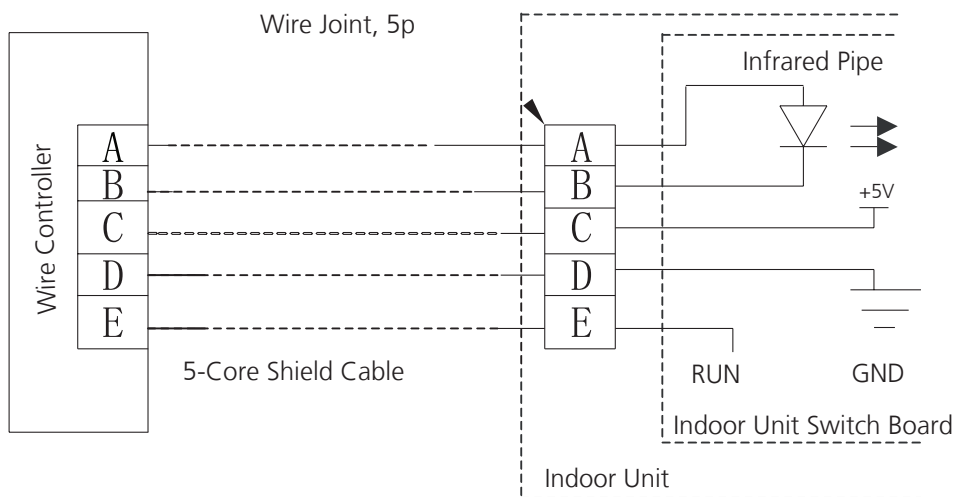
iii) Installation

• Dimensions



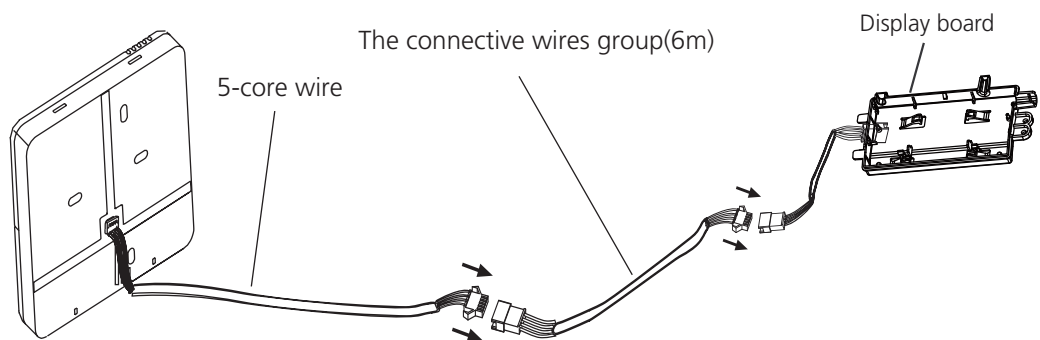
• Wiring diagram

Refer to the following diagram to wire the wall-mounted remote control to the indoor unit.

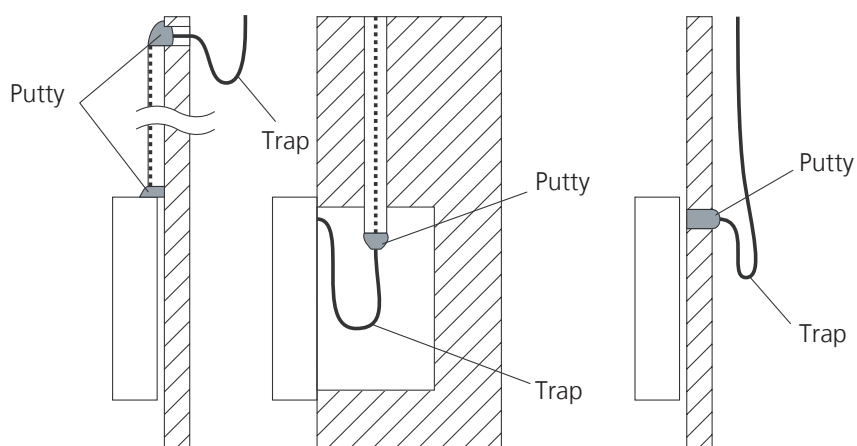


• Installation Diagram

Connect the wire from the display panel of the indoor unit to a connecting cable. Then connect the other side of the connecting cable to the remote control.

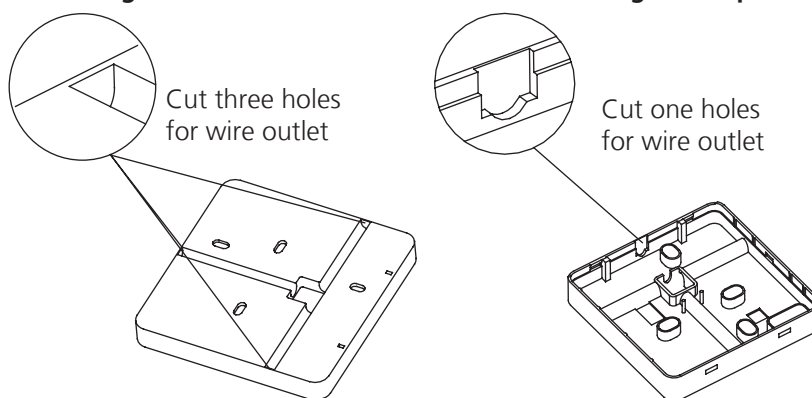


Note: Be sure to reserve a length of the connecting wire for periodic maintenance.



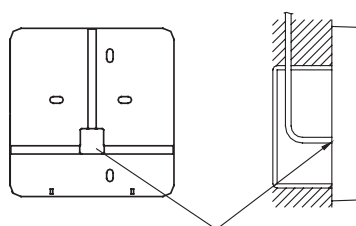
Note: DO NOT allow water to enter the remote control. Use the trap and putty to seal the wires.

- For exposed mounting, cut holes on four of the sides according to the picture below.



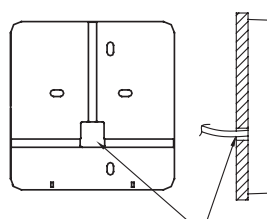
- For shielded wiring, please refer to the picture below.

Embedded switch box wiring



Wiring hole

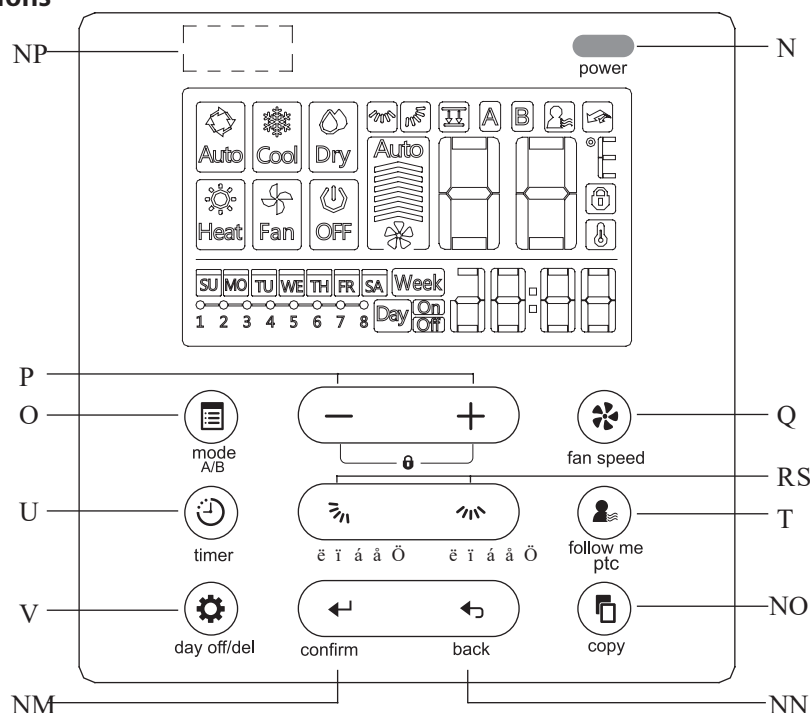
Wiring through the wall



Wall hole and wiring hole
Diameter of wall hole: Φ 2cm

2.3 LCD Wired Remote Controller KJR-120C/TF-E(Optional)

i) Buttons and Functions



1. POWER button

Turn on or turn off the unit.

2. MODE(A/B) button

Used to select the operation mode: Auto / Cooling / Drying / Heating / Fan;

Hold to active the operation of auto-lifting panel when off

3. Adjust button

To set temperature, time and timer; set up or down the auto-lifting panel

4. FAN SPEED button

Used to select the fan speed.

5. Up-down airflow direction and swing Button

Press for adjusting the angel of louver, hold for vertical swing; individual louver control for cassette panel

6. Left-right airflow swing Button

Press for activating the horizontal swing

7. FOLLOW ME(PTC) button

Allows the remote control to act as a remote thermostat and send temperature information from its current location.

8. TIMER button

To set timer on and timer off time of one day

9. DELAY/DAY OFF button

To set 1 to 2 hours delay off for each day or a whole day off in a weekly timer schedule

10. CONFIRM button

To confirm an setting or call up the menu

11. BACK button

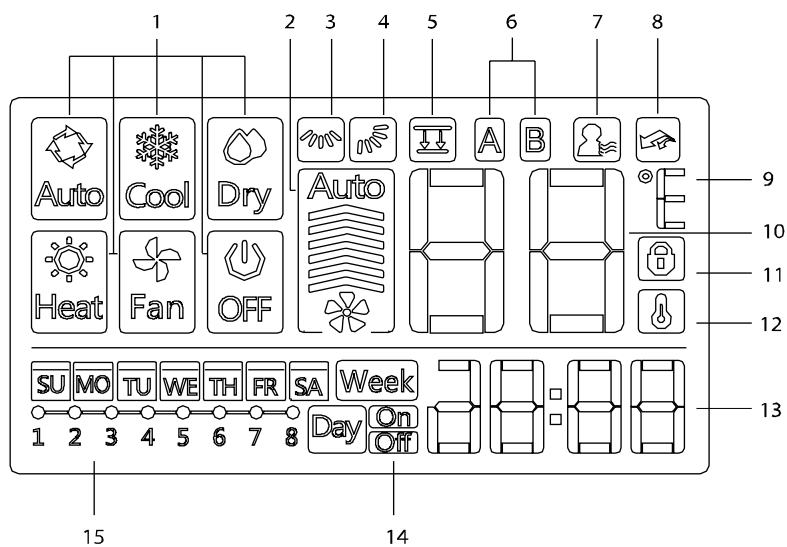
Back to previous operation or superior menu

12. COPY button

Copy timer setting of one day to another in weekly schedule setting

13. Infrared remote receiver (on some models)

ii) LCD Screen



1 Operation mode indication

2 Fan speed indication

3 Left-right swing indication

4 Up-down swing indication

5 Faceplate function indication

6 Main unit and secondary unit indication

7 Follow me function indication

8 PTC function indication

9 C° / F° indication

10 Temperature display

11 Lock indication

12 Room temperature indication

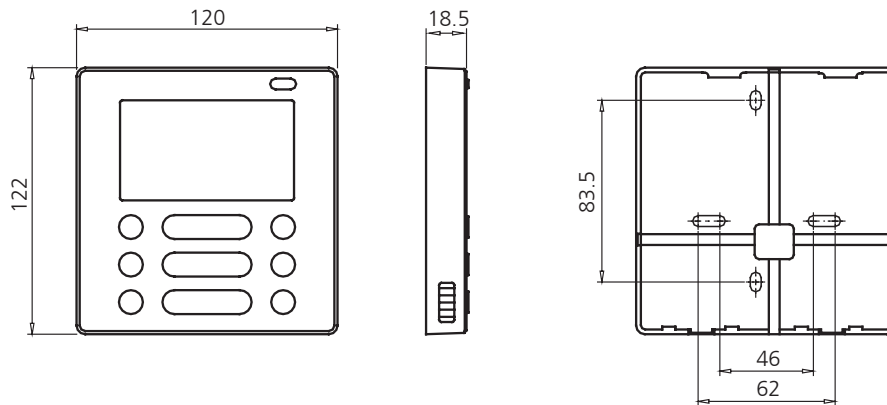
13 Clock display

14 On/Off timer

15 Timer display

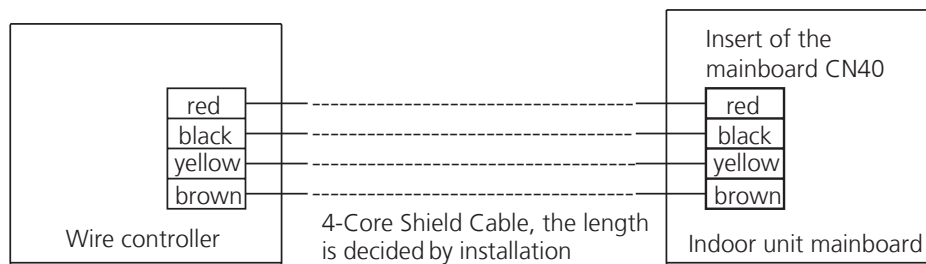
i) Installation

• Dimensions



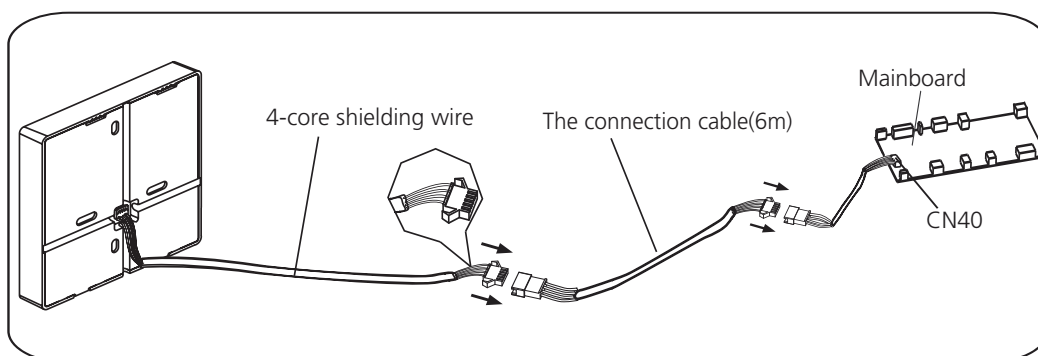
• Wiring diagram

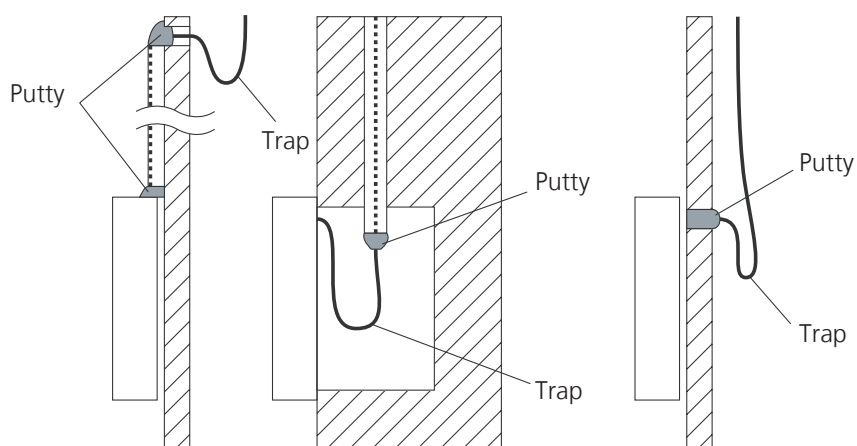
Refer to the following diagram to wire the wall-mounted remote control to the indoor unit.



• Installation Diagram

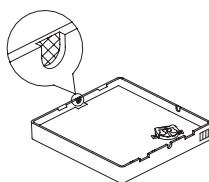
Connect the female joint of wires group from the mainboard with the male joint of connective wires group. Then connect the other side of connective wires group with the male joint of wires group leads from wire controller.



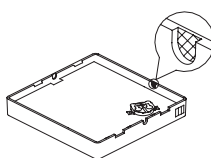


Note: DO NOT allow water to enter the remote control. Use the trap and putty to seal the wires.

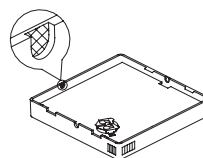
- For exposed mounting, four outletting positions. There are three need cutting.



Cutting place of top side wire outlet



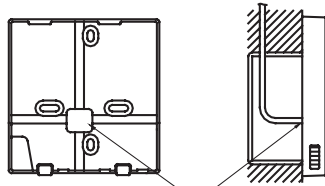
Cutting place of left side wire outlet



Cutting place of right side wire outlet

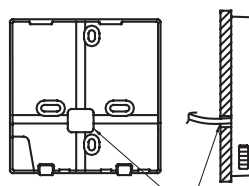
- For shielded wiring, please refer to the picture below.

Embedded switch box wiring



Wiring hole

Wiring through the wall

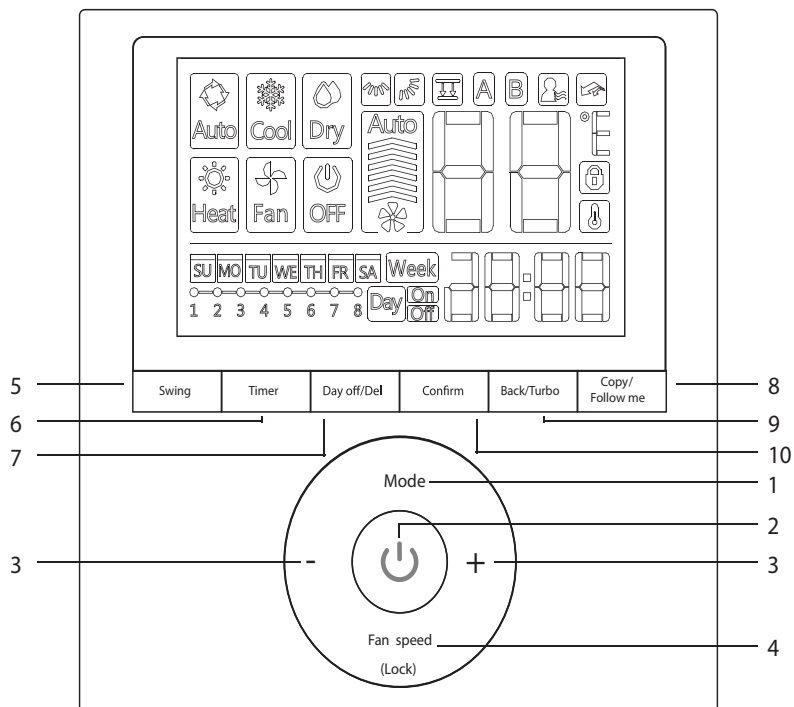


Wall hole and wiring hole
Diameter of wall hole: $\Phi 2\text{cm}$

1.1.1 LCD Wired Remote Controller KJR-120G/TF-E(Optional)

The KJR-120G/TF-E wired remote controller is optional for some models.

i) Buttons and Functions



1. MODE button

Used to select the operation mode: Auto / Cooling / Drying / Heating / Fan;

Hold to active the operation of auto-lifting panel when off

2. POWER button

Turn on of turn off the unit.

3. Adjust button

To set temperature, time and timer; set up or down the auto-lifting panel

4. FAN SPEED button

Used to select the fan speed.

5. Swing Button

Press to active vertical swing, hold for horizontal swing

6. TIMER button

To set timer on and timer off time of one day

7. DELAY/DAY OFF button

To set 1 to 2 hours delay off for each day or a whole day off in a weekly timer schedule

8. COPY/FOLLOW ME button

To copy timer setting of one day to another in weekly schedule setting;

To active the follow me function while in normal operation.

9. BACK/TURBO button

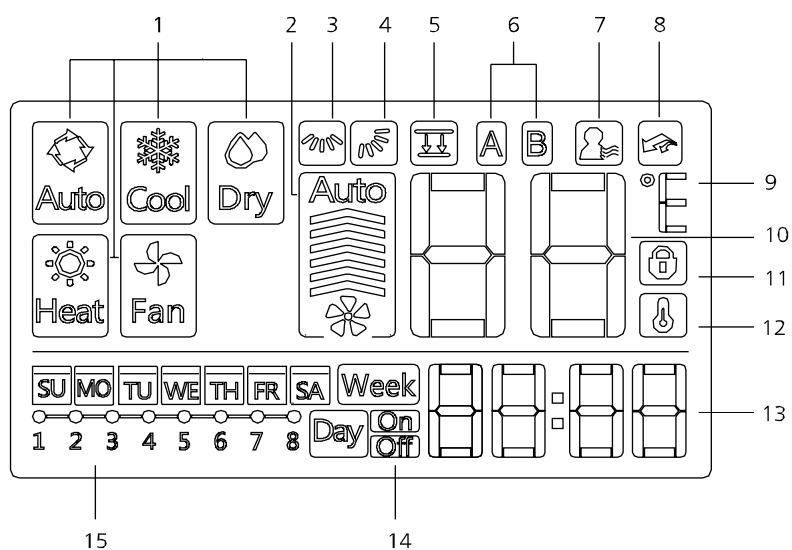
Back to previous operation or superior menu

To active turbo mode while in normal operation

10. CONFIRM button

To confirm an setting or call up the superior menu

ii) LCD Screen



1 Operation mode indication

2 Fan speed indication

3 Left-right swing indication

4 Up-down swing indication

5 Faceplate function indication

6 Main unit and secondary unit indication

7 Follow me function indication

8 Turbo/PTC function indication

9 C° / F° indication

10 Temperature display

11 Lock indication

12 Room temperature indication

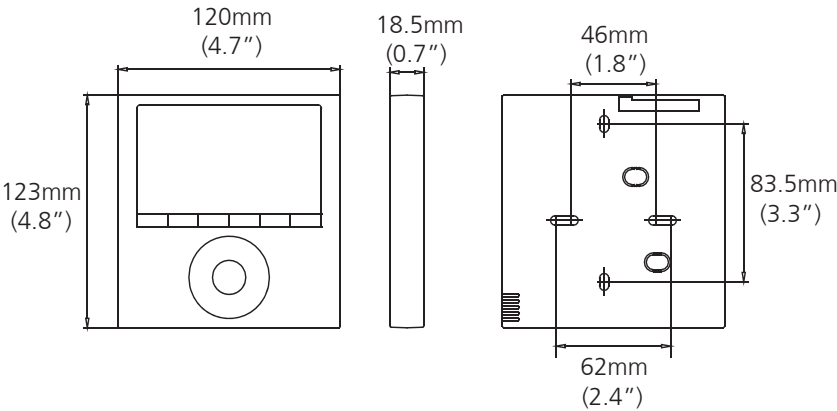
13 Clock display

14 On/Off timer

15 Timer display

iii) Installation

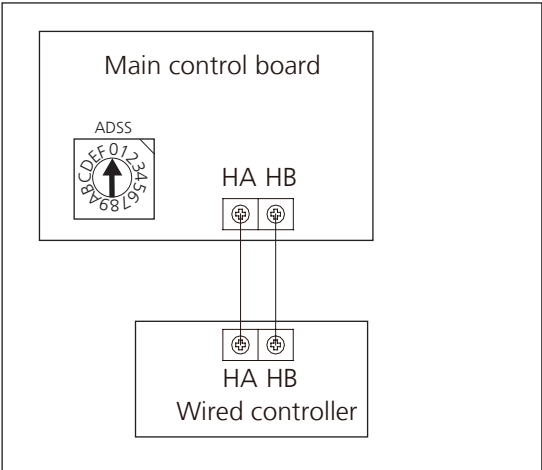
• Dimensions



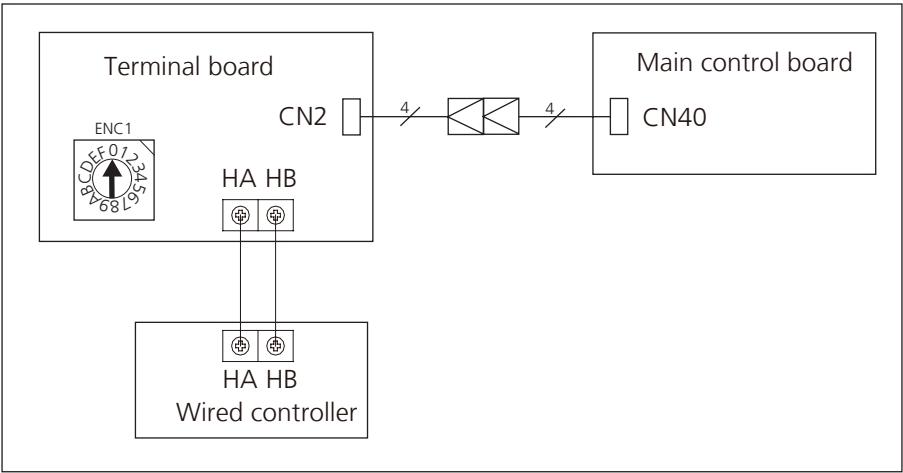
• Wiring diagram

1) Connection

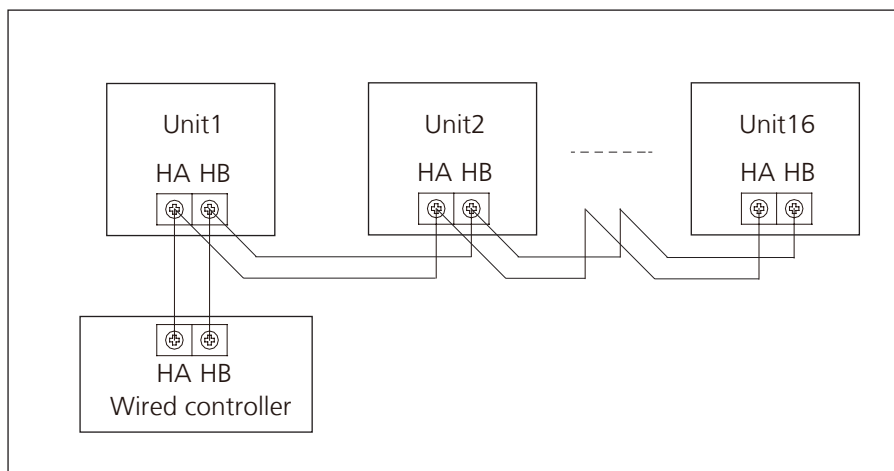
For some models: The wired controller connects to main control board directly.



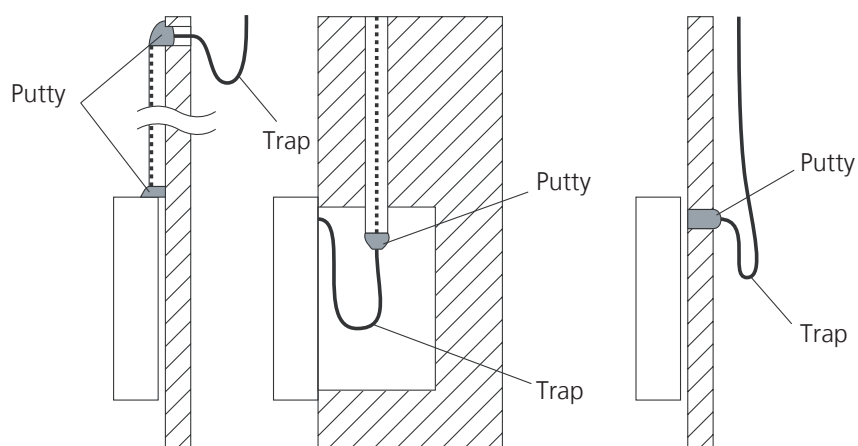
For some models, Ceiling& floor: The wired controller connects to terminal board, terminal board connects to main control board.



2) Address setting



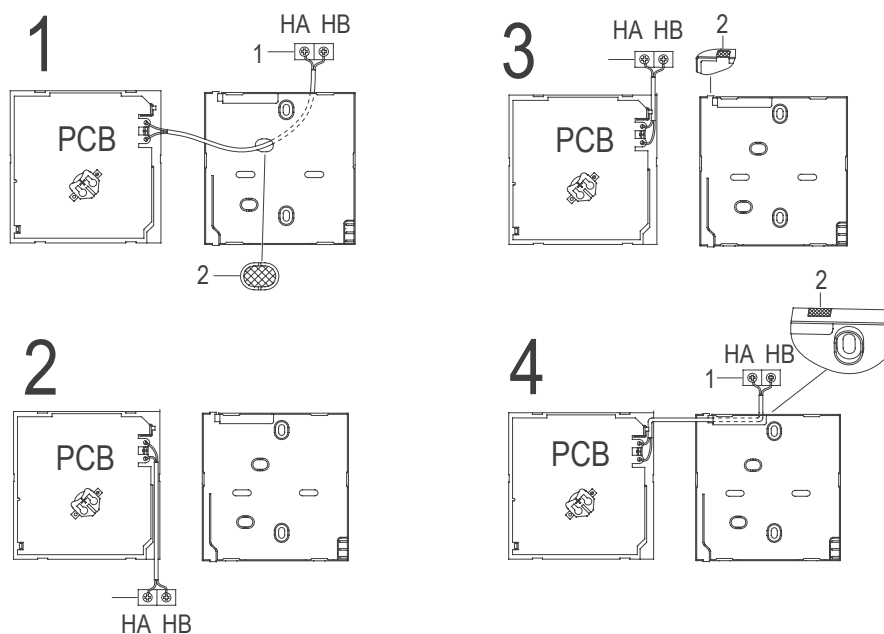
- a. One non-polarity controller can control up to 16 indoor units.
- b. When the non-polarity controller is connected to several units, every air-conditioner in network has only one network address to distinguish each other.
- c. Address code of air-conditioner in LAN is set by code switch ENC1(Duct and Ceiling& Floor) or ADSS(Cassette) of the indoor unit, and the set range is 0-15.
- d. Note: The indoor units are controlled at the same time, not independently. The purpose of setting network address is identify the unit when error occurs.



Note: DO NOT allow water to enter the remote control. Use the trap and putty to seal the wires.

• **For wiring the indoor unit, there are three methods:**

- From the rear;
- From the bottom;
- From the top;
- From the top center.

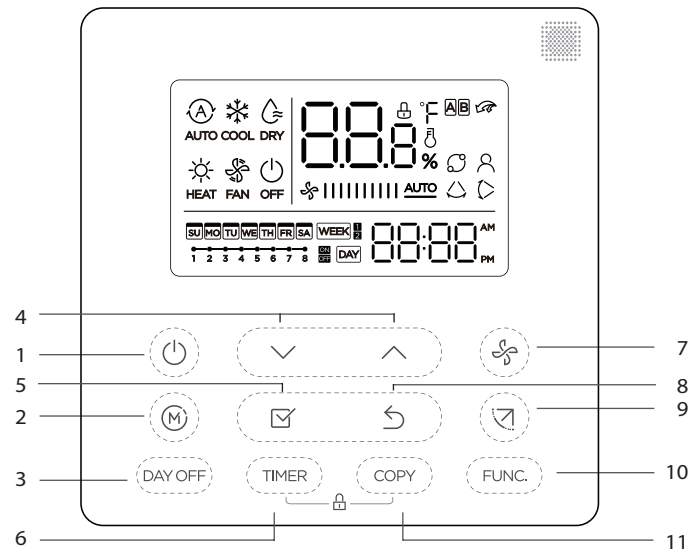


- 1: Indoor Unit.
- 2: Notch the part for the wiring to pass through with a nipper tool.
- Connect the terminals on the remote controller (HA ,HB), and the terminals of the indoor unit. (HA ,HB). (HA and HB do not have polarity.)

1.1.2 LCD Wired Remote Controller KJR-120X/TFBG-E(Optional)

The KJR-120X/TFBG-E wired remote controller is optional for some models.

i) Buttons and Functions



1. POWER button

Turn on or turn off the unit.

2. MODE button

Used to select the operation mode: Auto / Cooling / Drying / Heating / Fan;

3. DAY OFF/DEL button

To set 1 to 2 hours delay off for each day or a whole day off in a weekly timer schedule.

4. Adjust button

To set temperature, time and timer

5. CONFIRM button

To confirm an setting or call up the superior menu

6. TIMER button

To set timer on and timer off time of one day

7. FAN SPEED button

Used to select the fan speed.

8. BACK button

Back to previous operation or superior menu

9. Swing Button

Press to active vertical swing, hold for horizontal swing

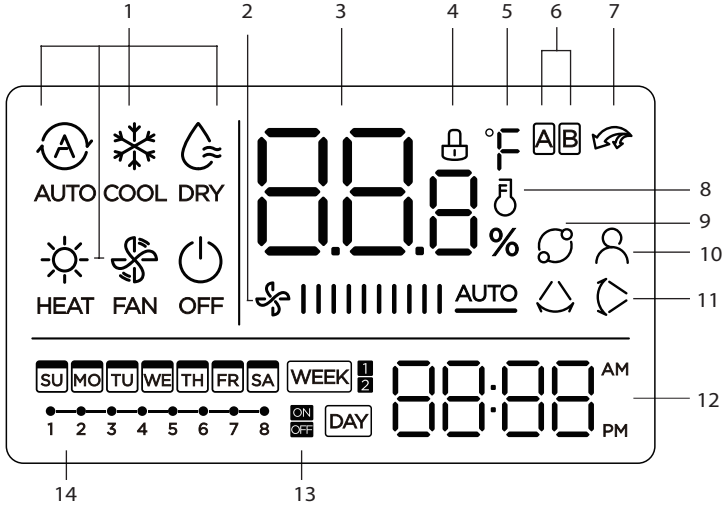
10. FUNC. button

Press the FUNC. button to set the turbo or rotating or I feel function.

11. COPY button

To copy timer setting of one day to another in weekly schedule setting.

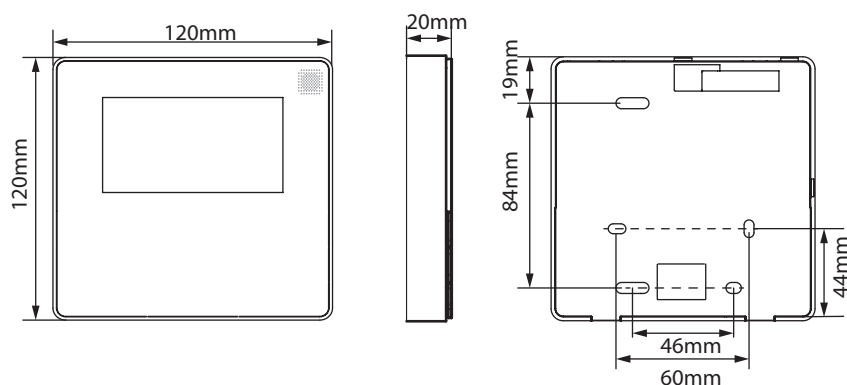
ii) LCD Screen



- | | |
|---|----------------------------------|
| 1 Operation mode indication | 8 Room temperature indication |
| 2 Fan speed indication | 9 Rotating indication |
| 3 Temperature display | 10 Follow Me function indication |
| 4 Lock indication | 11 Left-right swing indication |
| 5 °C / °F indication | (some models) |
| 6 Main unit and secondary unit indication | 12 Clock display |
| 7 Turbo function indication | 13 On/Of timer |
| | 14 Timer display |

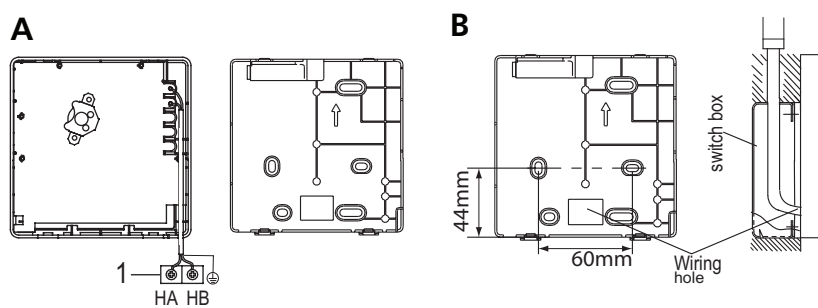
iii) Installation

• Dimensions



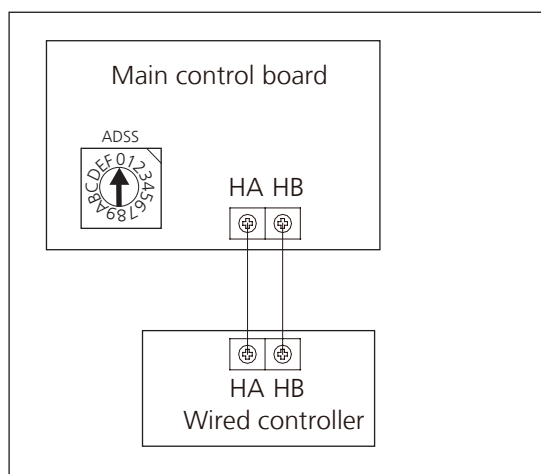
3) Connection

• Wire with the indoor unit:

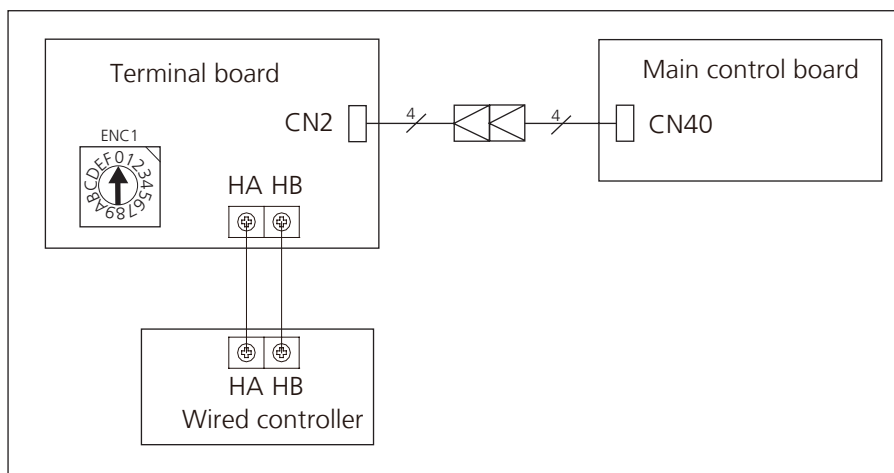


- 1: Indoor Unit.
- 2: Notch the part for the wiring to pass through with a nipper tool.
- Connect the terminals on the remote controller (HA ,HB), and the terminals of the indoor unit. (HA ,HB). (HA and HB do not have polarity.)

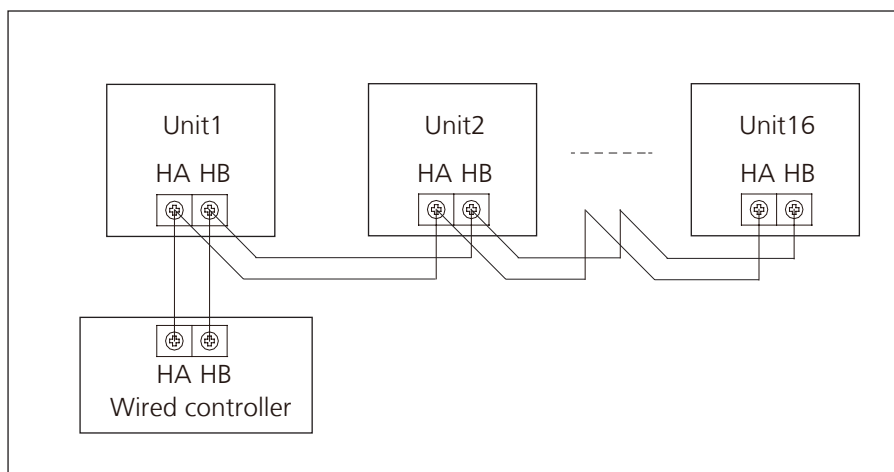
For some models: The wired controller connects to main control board directly.



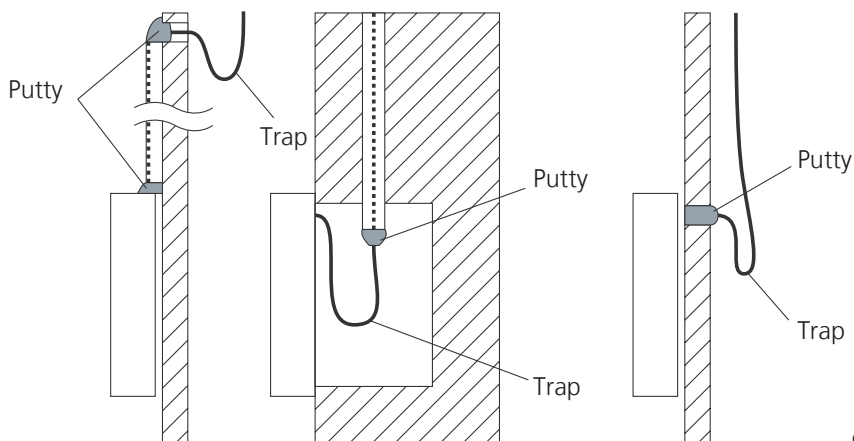
For some models: The wired controller connects to terminal board, terminal board connects to main control board.



4) Address setting



- One non-polarity controller can control up to 16 indoor units.
- When the non-polarity controller is connected to several units, every air-conditioner in network has only one network address to distinguish each other.
- Address code of air-conditioner in LAN is set by code switch ENC1(Duct and Ceiling& Floor) or ADSS(Cassette) of the indoor unit, and the set range is 0-15.
- Note: The indoor units are controlled at the same time, not independently. The purpose of setting network address is identify the unit when error occurs.

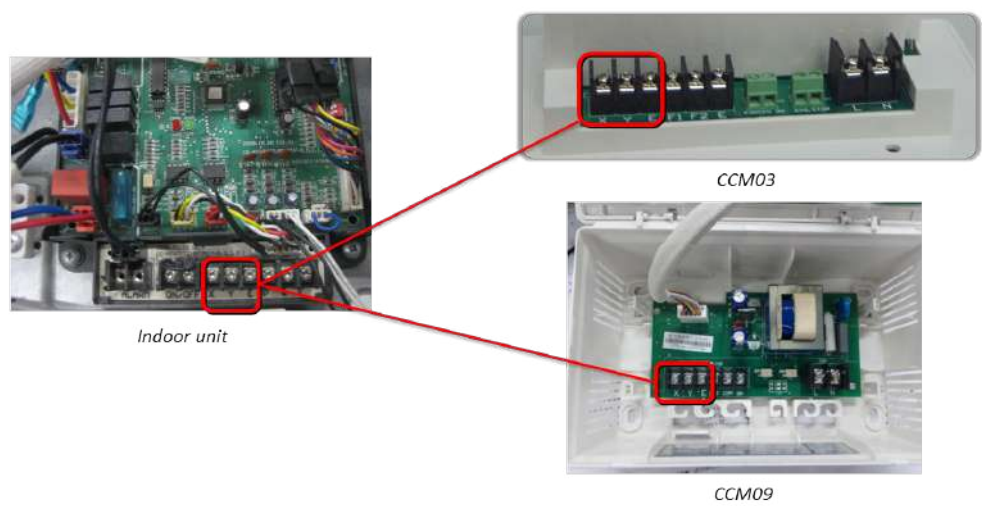


Note: DO NOT allow water to enter the remote control. Use the trap and putty to seal the wires.

2.4 Centralized Controller

1) Connection

For Light commercial air conditioner with XYE port, it can be directly connected to Centralized Controller (CCM03, CCM09).



2) Address setting

When setting the address, please make sure the unit is powered off. The address can be set from 0 to 63 by the switch. Turn on the unit, then the address will be effective.

SWITCH		FOR CCM UNIT ADDRESS	
S2 +			
S1			
ADDRESS	0~15	16~31	
Factory Setting	✓		
S2 +			
S1			
ADDRESS	32~47	48~63	
Factory Setting			

Note: For light commercial aire conditioner with XYE port, it can be also connected to BMS (Building Management System).

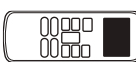
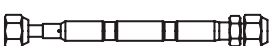
If there is any CAC (central air conditioner) connecting with the central controller at the same time, please set the address from largest (63,62,61...), since the CAC units could obtain address automatically from the smallest (00,01,02...)

Installation

Contents

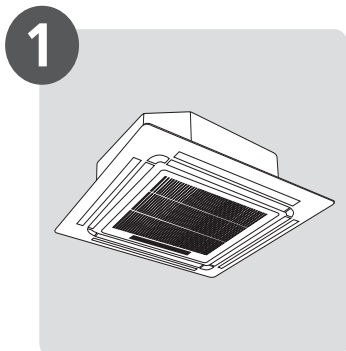
Accessories	127
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Accessories

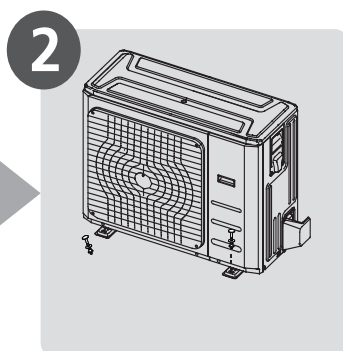
	Name	Shape	Quantity
Indoor unit installation	Installation paper template (some models)		1
Refrigeration Fittings	Soundproof/insulation sheath (some models)		1
Drainpipe Fittings	Outlet pipe sheath(some models)		1
	Outlet pipe clasp(some models)		1
	Drain joint (some models)		1
	Seal ring (some models)		1
Remote controller & Its Frame (some models)	Remote controller		1
	Fixing screw for remote controller holder ST2.9 x 10		2
	Remote controller holder		1
	Dry battery AAA		2
	Remote controller illustration		1
EMC Magnetic Ring (some models)	Magnetic ring (wrap the electric wires S1 & S2 (P & Q & E) around the magnetic ring twice)		1
Installation Accessory (some models)	Ceiling hook		4
	Suspension bolt		4
	Orifice tube (some units)		1
	Manual		2~4

1. Installation Overview

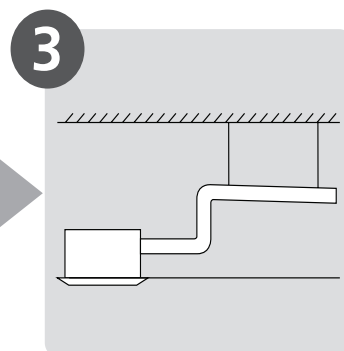
Installation Order



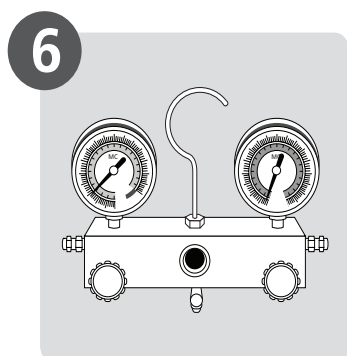
Install the indoor unit



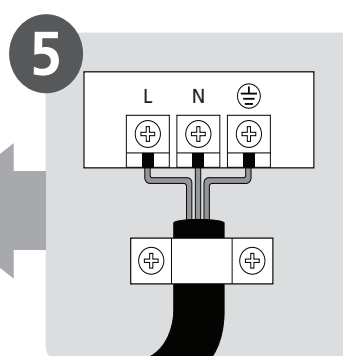
Install the outdoor unit



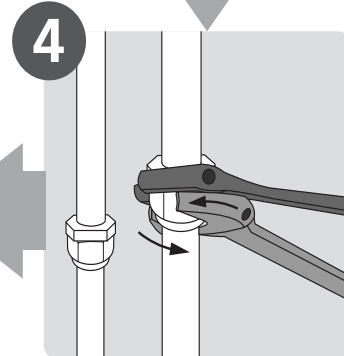
Install the drainpipe



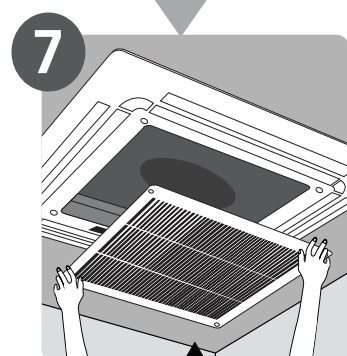
Evacuate the refrigeration system



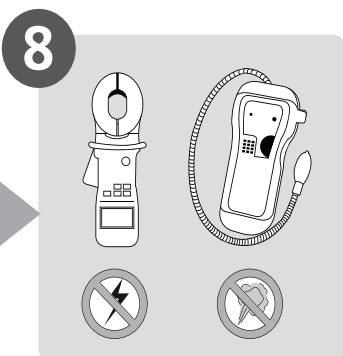
Connect the wires



Connect the refrigerant pipes



Install the front panel



Perform a test run

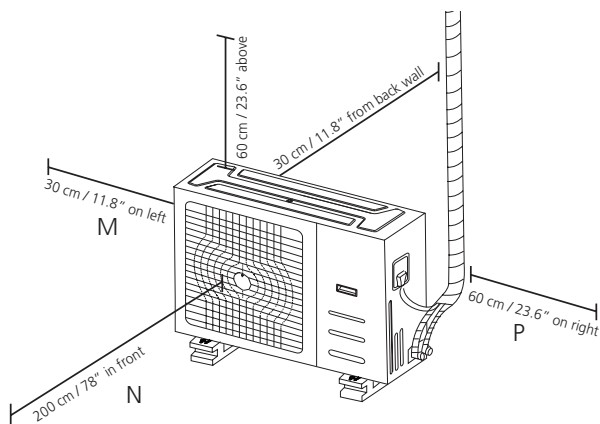
2. Location selection

2.1 Unit location selection can refer to installation manual.

2.2 DO NOT install the unit in the following locations:

- Where oil drilling or fracking is taking place.
- Coastal areas with high salt content in the air.
- Areas with caustic gases in the air, such as near hot springs.
- Areas with power fluctuations, such as factories.
- Enclosed spaces, such as cabinets.
- Areas with strong electromagnetic waves.
- Areas that store flammable materials or gas.
- Rooms with high humidity, such as bathrooms or laundry rooms.
- If possible, DO NOT install the unit where it is exposed to direct sunlight.

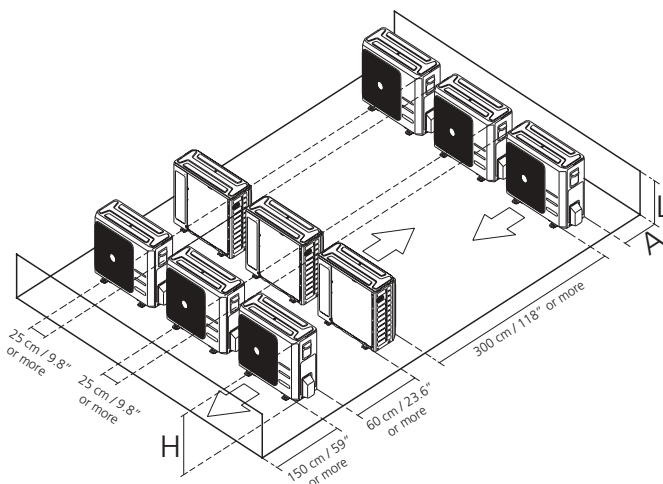
2.3 The minimum distance between the outdoor unit and walls described in the installation guide does not apply to airtight rooms. Be sure to keep the unit unobstructed in at least two of the three directions (M, N, P)



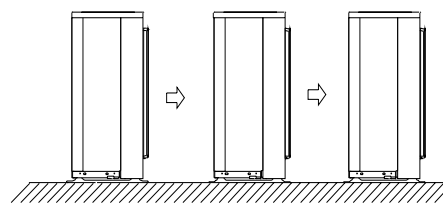
2.4 Rows of series installation

The relations between H, A and L are as follows.

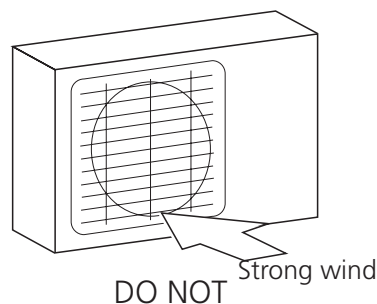
	L	A
$L \leq H$	$L \leq 1/2H$	25 cm / 9.8" or more
	$1/2H < L \leq H$	30 cm / 11.8" or more
$L > H$	Can not be installed	



DO NOT install the rows of series like following figure.



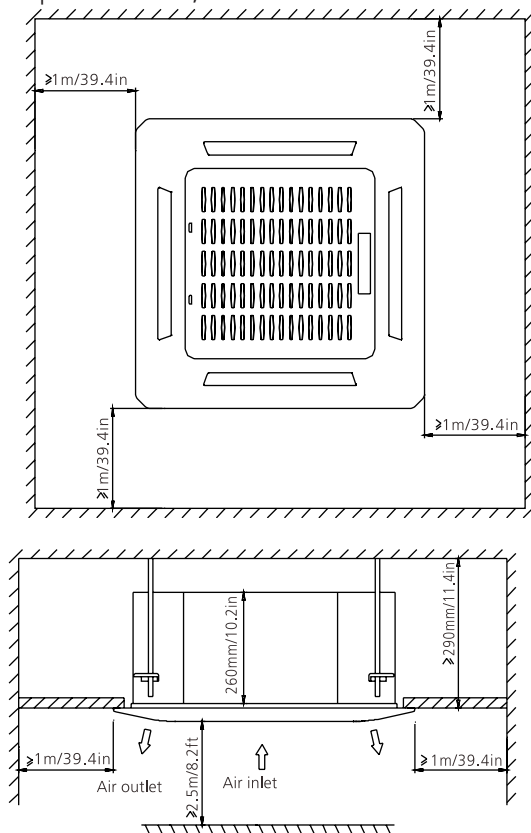
2.5. If the location is exposed to strong winds (for example: near a seaside), the unit must be placed against the wall to shelter it from the wind. If necessary, use an awning.



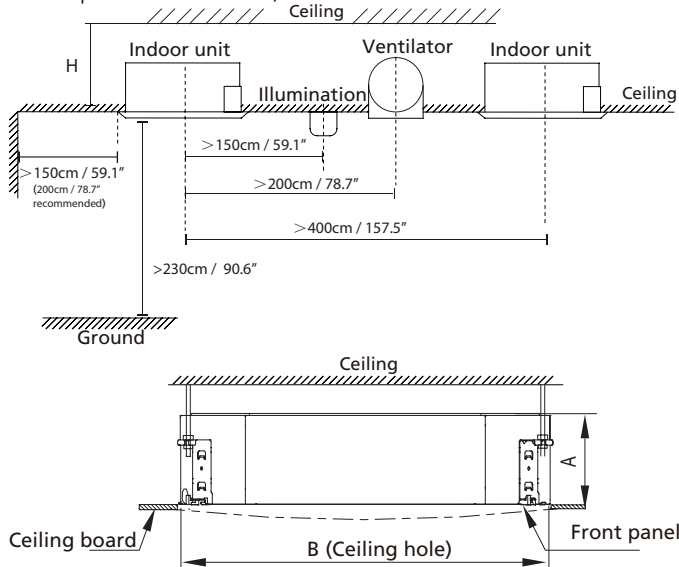
3. Indoor Unit Installation

3.1 Service space for indoor unit

For Compact Cassette,



For Super-slim Cassette,



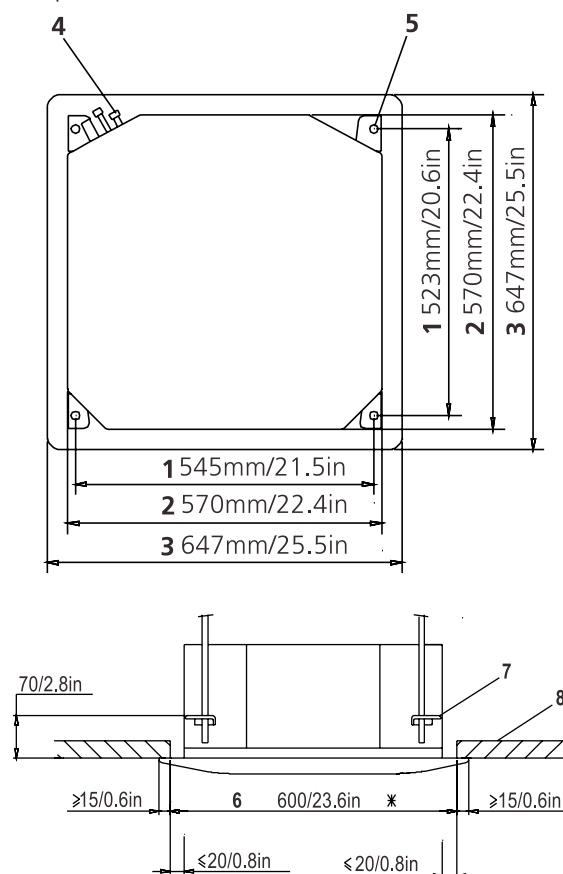
Capacity (kBtu/h)	A(mm/inch)	H(mm/inch)	B(mm/inch)
24	205/8.07	>230/9.06	900/35.4
30/36	245/9.65	>271/10.7	
42~55	287/11.3	>313/12.3	

3.2 Hang Indoor Unit

1. Use the included paper template to cut a rectangular hole in the ceiling, leaving at least 1m (39.4") on all sides. The cut hole size should be 4cm(1.6") larger than the body size.

Be sure to mark the areas where ceiling hook holes will be drilled.

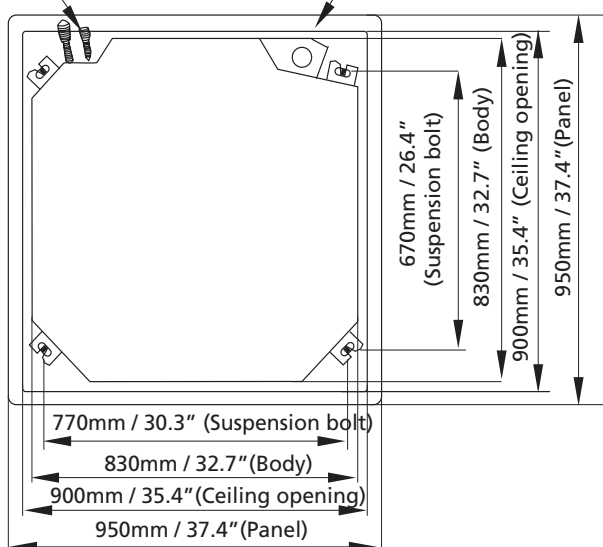
For Compact Cassette,



- 1 Suspension bolt pitch dimensions
- 2 Body dimensions
- 3 Decoration panel dimensions
- 4 Refrigerant piping
- 5 Suspension bolt (x4)
- 6 Ceiling opening dimensions
- 7 Hanger bracket
- 8 Ceiling board

For Super-slim Cassette,
Refrigerant piping side

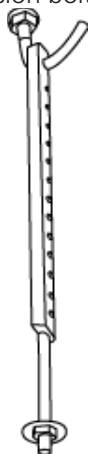
Drain hose side



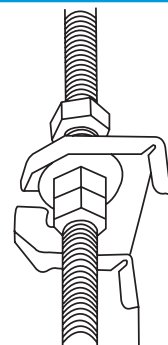
2. Drill 4 holes 5cm (2") deep at the ceiling hook positions in the internal ceiling. Be sure to hold the drill at a 90° angle to the ceiling.

3. Using a hammer, insert the ceiling hooks into the pre-drilled holes. Secure the bolt using the included washers and nuts.

4. Install the four suspension bolts

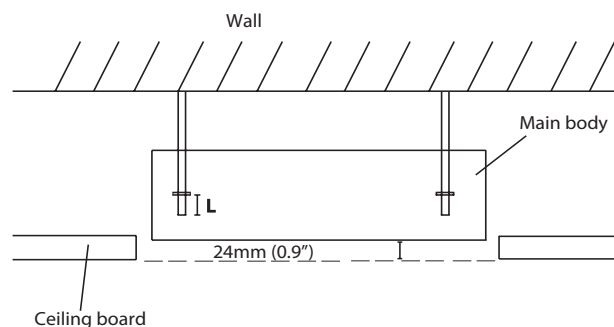


5. Mount the indoor unit. You will need two people to lift and secure it. Insert suspension bolts into the unit's hanging holes. Fasten them using the included washers and nuts

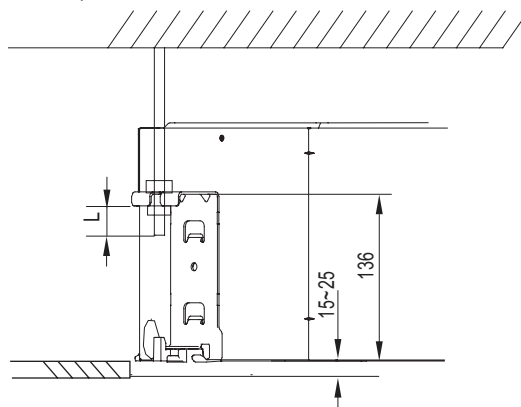


Adjust the position to ensure the gaps between the indoor unit and the four sides of false ceiling are even. The bottom of the unit should be 24mm / 0.9in(compact cassette) / 10 - 25mm (0.4-0.98")(super-slim cassette) higher than ceiling board. Generally, L should be half the length of the suspension bolt or long enough to prevent the nuts from coming off.

For Compact Cassette,



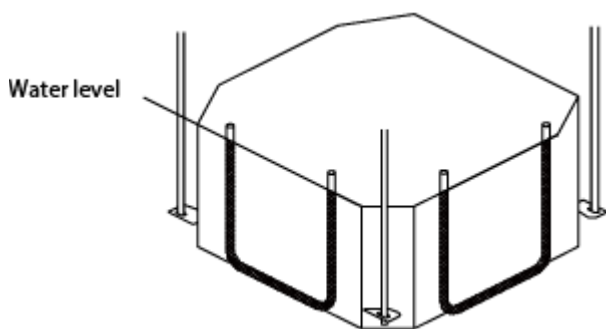
For Super-slim Cassette,



CAUTION:

Ensure that the unit is completely level.

The unit is equipped with a built-in drain pump and float switch. If the unit is tilted against the direction of condensate flows (the drainpipe side is raised), the float switch may malfunction and cause water to leak.

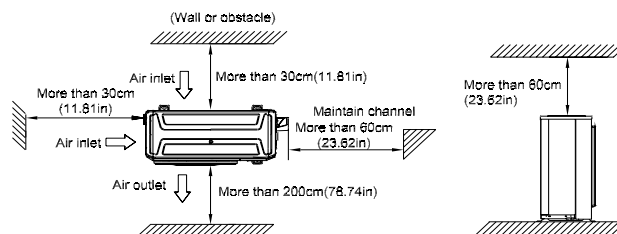


NOTE FOR NEW HOME INSTALLATION

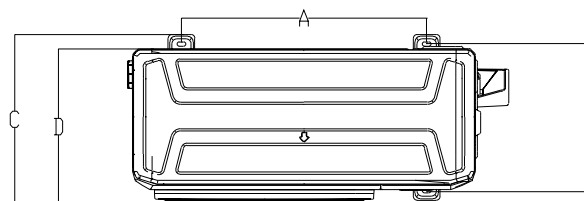
When installing the unit in a new home, the ceiling hooks can be embedded in advance. Make sure that the hooks do not come loose due to concrete shrinkage. After installing the indoor unit, fasten the installation paper template onto the unit with bolts (M6X12) to determine in advance the dimension and position of the opening on the ceiling. Follow the instructions above for the remainder of the installation.

4. Outdoor unit installation

4.1 Service space for outdoor unit



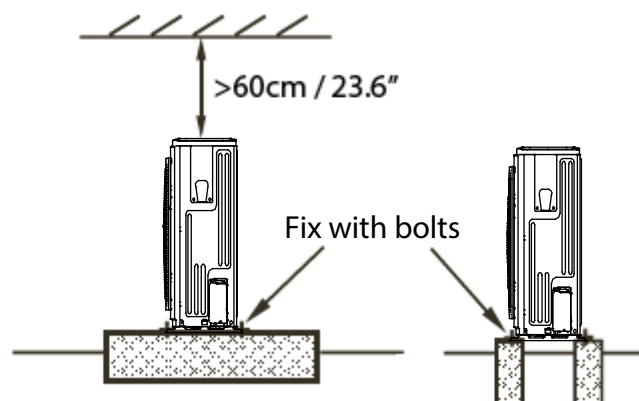
4.2 Bolt pitch



Capacity(kBtu/h)	A(mm)	B(mm)	D(mm)
12	452	286	303
18	511	317	330
24	663	354	342
30~42	673	403	410
48~55	634	404	415

4.2 Install Outdoor Unit

Fix the outdoor unit with anchor bolts(M10)



Caution

Since the gravity center of the unit is not at its physical center, so please be careful when lifting it with a sling.

Never hold the inlet of the outdoor unit to prevent it from deforming.

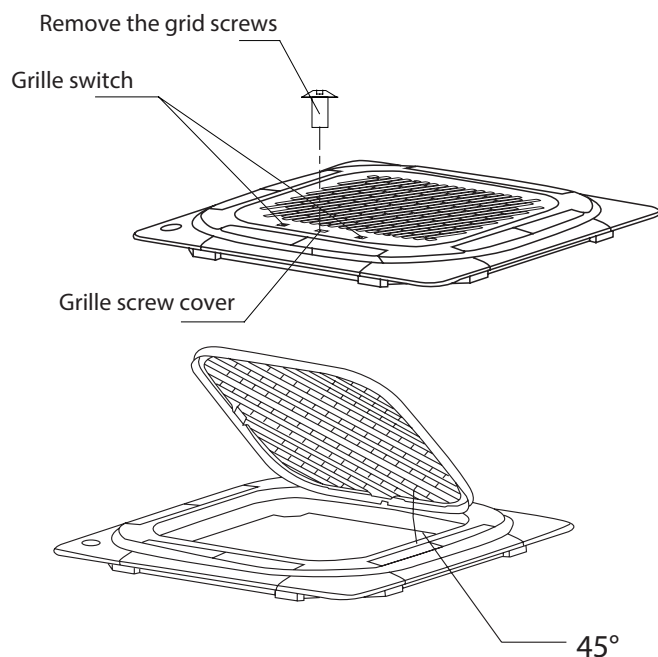
Do not touch

11. Panel Installation

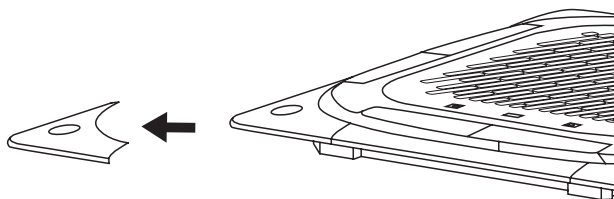
11.1 Panel Installation of Super-slim Cassette

11.1.1 Remove the front grille

1. Push one side of the grille screw cover then remove the grid screw.
2. Push both of the tabs towards the middle simultaneously to unlock the hook on the grille.
3. Hold the grille at a 45° angle, lift it up slightly and detach it from the main body



3.3.2 Remove the installation covers at the four corners by sliding them outwards.

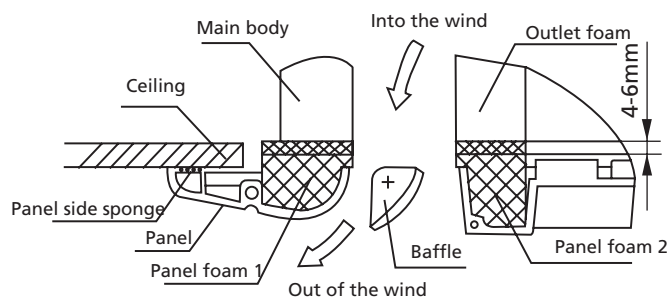
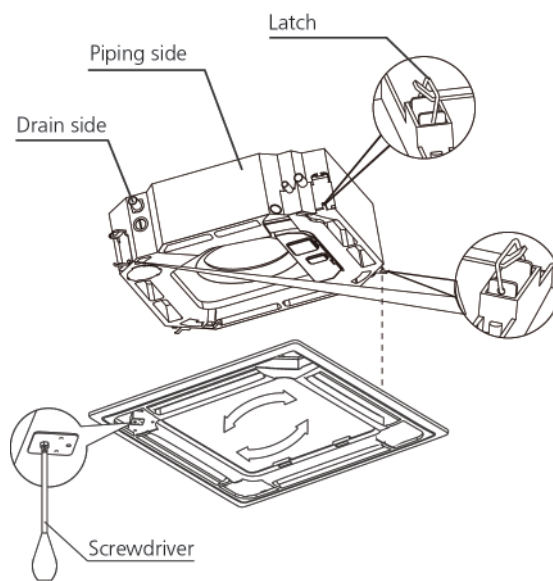


3.3.3 Install the panel

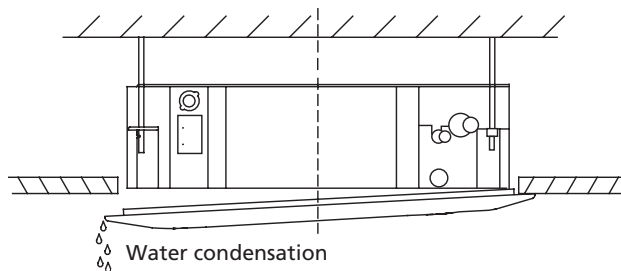
1. Align the front panel to the main body, taking into account the position of the piping and drain sides. Hang the four latches of the decorative panel to the hooks of the indoor unit. Tighten the panel hook screws evenly at the four corners.

Note: Tighten the screws until the thickness of the sponge between the main body and the panel reduces to 4-6mm (0.2-0.3"). The edge of the panel should be in contact with the ceiling well.

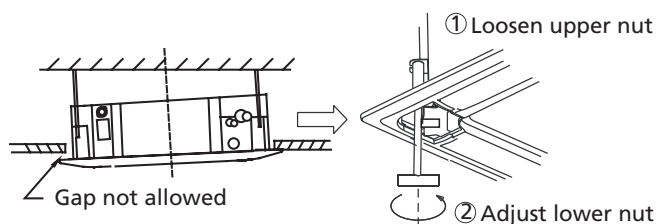
2. Adjust the panel by turning it to the direction of arrow shown in figure below so that the ceiling opening is completely covered.



NOTE: If the height of the indoor unit needs to be adjusted, you can do so through the openings at the panel's four corners. Make sure that the internal wiring and drainpipe are not affected by this adjustment.



Failure to tighten screws can cause water leakage.



If the unit is not hung correctly and a gap exists, the unit's height must be adjusted to ensure proper function. The

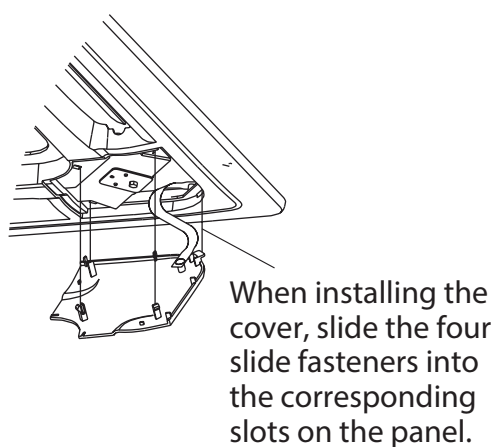
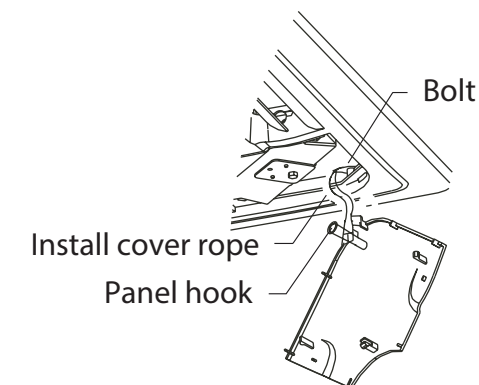
unit's height can be adjusted by loosening the upper nut, and adjusting the lower nut.

3. Hang the intake grille on the panel, and then connect the lead connectors of the louver motor and the control box on the panel to the corresponding connectors of the main body.

4. Re-installed into the style grid.

5. Reinstall the installation cover.

Fix the installation cover plate rope to the pillar of the installation cover plate, and gently press the installation cover plate into the panel.

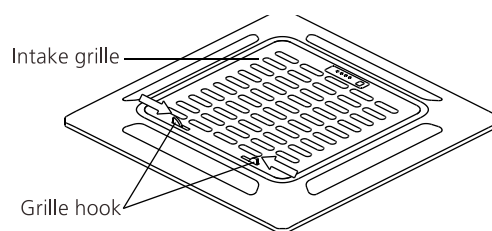


NOTE: After installation, the butt plugs of display, swing, water pump and other wire bodies must be placed in the electric control box.

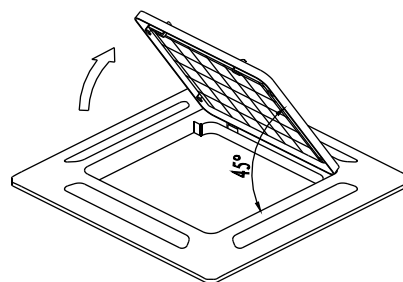
11.2 Compact Cassette Panel Installation

11.2.1 Remove the front grille

1. Slide the 2 grille hooks toward the middle of the decoration panel.



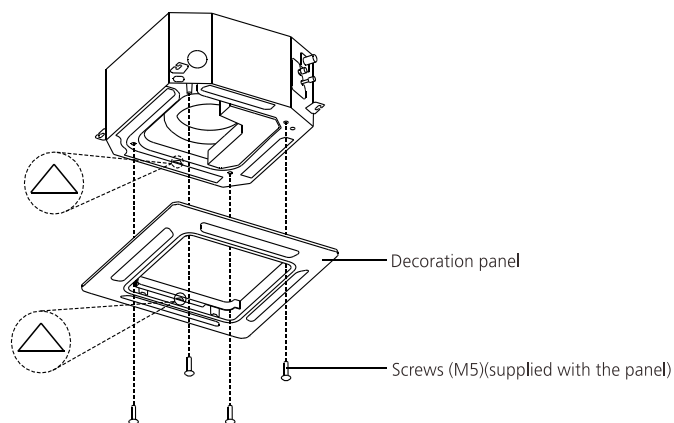
2. Hold the grille at a 45° angle, lift it up slightly and detach it from the main body.



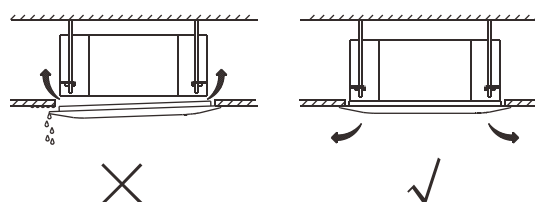
11.2.2 Install the panel

1. Align the indicate "△" on the decoration panel to the indicate "△" on the unit .

2. Attach the decoration panel to the unit with the supplied screws as shown in figure below.

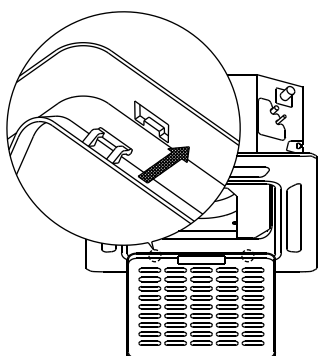


3. After installing the panel, ensure that there is no space between the unit body and decoration panel. Otherwise air may leak through the gap and cause dewdrop.

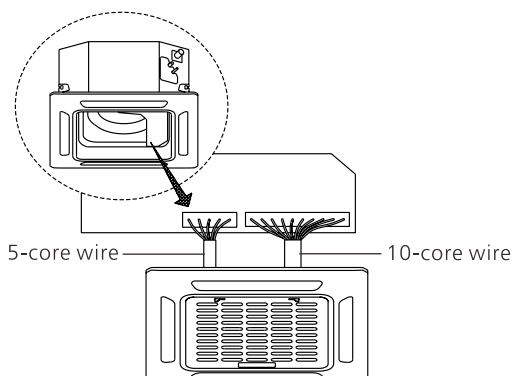


11.2.3 Mount the grille

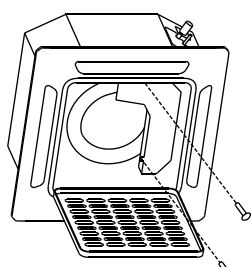
Ensure that the buckles at the back of the grille be properly seated in the groove of the panel.



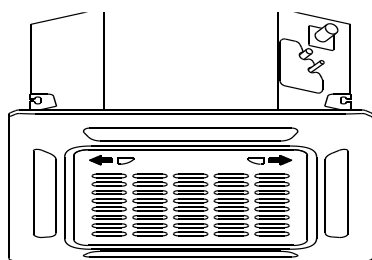
11.2.4 Connect the two wires of the panel to the main board of the unit.



11.2.5 Fasten the control box lid with two screws .



11.2.6 Close the front grille, and close the two grille hooks.



12. Test Operation

1. The test operation must be carried out after the entire installation has been completed.

2. Please confirm the following points before the test operation.

- The indoor unit and outdoor unit are installed properly.
- Piping and wiring are properly connected.
- Ensure that there are no obstacles near the inlet and outlet of the unit that might cause poor performance or product malfunction.
- The refrigeration system does not leak.
- The drainage system is unimpeded and draining to a safe location.
- The heating insulation is properly installed.
- The grounding wires are properly connected
- The length of the piping and the added refrigerant stow capacity have been recorded.
- The power voltage is the correct voltage for the air conditioner.

CAUTION: Failure to perform the test run may result in unit damage, property damage or personal injury.

3. Test Run Instructions

1. Open both the liquid and gas stop valves.
2. Turn on the main power switch and allow the unit to warm up.
3. Set the air conditioner to COOL mode, and check the following points.

Indoor unit

- Whether the switch on the remote controller works well.
- Whether the buttons on the remote controller works well.
- Whether the air flow louver moves normally.
- Whether the room temperature is adjusted well.
- Whether the indicator lights normally.
- Whether the temporary buttons works well.
- Whether the drainage is normal.
- Whether there is vibration or abnormal noise during operation.

Outdoor unit

- Whether there is vibration or abnormal noise during operation.
- Whether the generated wind, noise, or condensed of by the air conditioner have influenced your neighborhood.
- Whether any of the refrigerant is leaked.

3. Drainage Test

- a. Ensure the drainpipe flow smoothly. New buildings should perform this test before finishing the ceiling.
- b. Remove the test cover. Add 2000ml of water to the tank through the attached tube.
- c. Turn on the main power switch and run the air conditioner in COOL mode.
- d. Listen to the sound of the drain pump to see if it makes any unusual noises.
- e. Check to see that the water is discharged. It may take up to one minute before the unit begins to drain depending on the drainpipe.
- f. Make sure that there are no leaks in any of the piping.
- g. Stop the air conditioner. Turn off the main power switch and reinstall the test cover.