TM_A7 DUCT_R32_3D INV_EU_S_NA_2412

A7 DUCT
R32 3D INVERTER CONTROL

TECHNICAL MANUAL

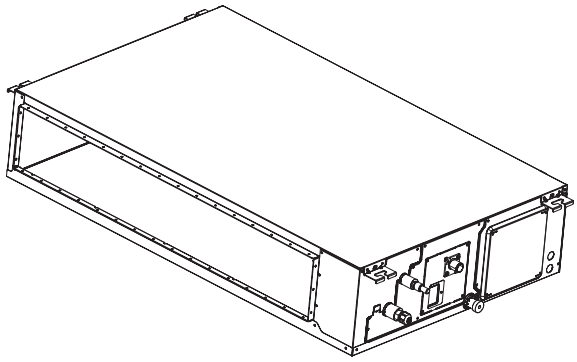


Table of Contents

Page

Table of Contents

Page

Specifications

Contents

1. Model Reference

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

Note: There are two versions of the 36k&48k. Check you are using the right power supply for your model. Power Supply Intake : Outdoor Units.

Indoor Unit Model		Universal Outdoor Unit Model	Capacity (Btu/h)	Power Supply
A7 Duct	MTJ-09HWFNX-QRD1W(GA)	MOX230-09HFN8-QRD1W(GA)	9k	1Ph, 220-240V~, 50Hz
	MTJ-12HWFNX-QRD1W(GA)	MOX230-12HFN8-QRD0W(GA)	12k	
	MTJ-18HWFNX-QRD1W(GA)	MOX330U-18HFN8-QRD0W(GA)	18k	
	MTJ-24HWFNX-QRD1W(GA)	MOX430U-24HFN8-QRD1W(GA)	24k	
	MTJ-30HWFNX-QRD1W(GA)	MOD30U-30HFN8-QRD1W(GA)	30k	
	MTJ-36HWFNX-QRD0W(GA)	MOD30U-36HFN8-QRD0W(GA)	36k	
	MTJ-42HWFNX-QRD0W(GA)	MOD30U-42HFN8-QRD0W(GA)	42k	
	MTJ-48HWFNX-QRD0W(GA)	MOX630U-48HFN8-QRD0W(GA)	48k	
	MTJ-36HWFNX-QRD0W(GA)	MOD30U-36HFN8-RRD0W(GA)	36k	3Ph, 380-415V~, 50Hz
	MTJ-48HWFNX-QRD0W(GA)	MOX630U-48HFN8-RRD0W(GA)	48k	
	MTJI-55HWFNX-QRD0W(GA)	MOX630U-55HFN8-RRD0W(GA)	55k	

2. General Specifications

Indoor model			MTJ-09HWFNX-QRD1W(GA)	MTJ-12HWFNX-QRD1W(GA)
Outdoor model			MOX230-09HFN8-QRD1W(GA)	MOX230-12HFN8-QRD0W(GA)
Power supply (Indoor)		V- Ph-Hz	220~240-1-50	220~240-1-50
Power Supply (Outdoor)		V-Ph-Hz	220~240-1-50	220~240-1-50
Rated Power Input		W	1820	1850
Rated Current		A	8.5	9
Indoor fan motor	Model		ZKFN-81-8-1	ZKFN-81-8-1
	Qty		1	1
	Insulation class		B	B
	IP rating		IP20	IP20
	Output	W	81	81
	Capacitor	uF	/	/
	Speed(Hi/Mi/Lo)	r/min	1130/1047/965	1140/1052/965
Indoor coil	Number of rows		3	3
	Tube pitch(a)x row pitch(b)	mm	21x13.37	19.5*11.6
	Fin spacing	mm	1.4	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ5,Inner groove tube
	Coil length x height x width	mm	525x210x40.11	525*23.2*214.5
	Number of circuits		3	5
Indoor air flow (Hi/Mi/Lo)		m3/h	620/540/450	660/570/470
ESP	Rated	Pa	25	25
	Range	Pa	0-100	0-100
Indoor sound pressure level Hi/Mi/Lo)		dB(A)	35/33/31/27	35/33/31/26
Indoor sound power level		dB(A)	52	52
Indoor unit	Dimension(W*D*H)	mm	700x506x200	700x506x200
	Packing (W*D*H)	mm	860x540x285	860x540x285
	Net/Gross weight	kg	16.6/19.8	16.6/19.8
Drainage water pipe diameter		mm	ODΦ25mm	ODΦ25mm
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ9.52(1/4"/3/8")
Controller			Wired control	Wired control
Operation temperature		°C	16-30	16-30
Room temperature	Cooling	°C	16~32	16~32
	Heating	°C	0~30	0~30
Qty'per 20' /40' /40'HQ		Indoor unit	214/461/519	214/461/519
Compressor	Model		KSK103D33UEZ3	KSN98D64UFZ3
	Type		ROTARY	ROTARY
	Brand		GMCC	GMCC
	Capacity	W	2035/3255	1930/3100 ±3%
	Input	W	325/826	292/765 ±3%
	Rated current(RLA)	A	2.40/5.65	2.15/4.65 ±3%
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 310	ESTER OIL VG74 300±10
Outdoor fan motor	Model		ZKFN-34-10-1L	ZKFN-34-10-1-3
	Qty		1	1
	Insulation class		B	B
	IP rating		IP24	IP24
	Output	W	34	34
	Capacitor	uF	/	/
	Speed	r/min	780/600	780/600

Outdoor coil	Number of rows		1	1
	Tube pitch(a)x row pitch(b)	mm	21x22	21x22
	Fin spacing	mm	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	745*504*22	745*504*22
	Number of circuits		2	2
Outdoor air flow		m3/h	2200	2200
Outdoor sound pressure level		dB(A)	53	55.5
Outdoor sound power level		dB(A)	62	62
Throttle type			EXV	EXV
Outdoor unit	Dimension(W*D*H)	mm	765x303x555	765x303x555
	Packing (W*D*H)	mm	887x337x610	887x337x610
	Net/Gross weight	kg	24.6/27	26.6/29
Refrigerant type	Type	-	R32	R32
	GWP	-	675	675
	Charged quantity	kg	0.65	0.71
Design pressure		MPa	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/Φ9.52(1/4"/3/8")
	Max. refrigerant pipe length	m	25	25
	Max. difference in level	m	10	10
Ambient temperature	Cooling	°C	-15~50	-15~50
	Heating	°C	-20~24	-20~24
Qty'per 20' /40' /40'HQ		Outdoor unit	132/264/352	132/264/352

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.

4) TDB Summer Outdoor: 35°C; TWB Summer Outdoor: 21,4°C; TDB Winter Outdoor: -0.8°C; RH Winter Outdoor: 90%.

Indoor model			MTJ-18HWFNX-QRD1W(GA)	MTJ-24HWFNX-QRD1W(GA)
Outdoor model			MOX330U-18HFN8-QRD0W(GA)	MOX430U-24HFN8-QRD1W(GA)
Power supply (Indoor)		V- Ph-Hz	220~240-1-50	220~240-1-50
Power Supply (Outdoor)		V-Ph-Hz	220~240-1-50	220~240-1-50
Rated Power Input		W	2950	3700
Rated Current		A	13.5	19
Indoor fan motor	Model		ZKFN-81-8-1	ZKFN-165-10-1L
	Qty		1	1
	Insulation class		B	B
	IP rating		IP20	IP20
	Output	W	81	165
	Capacitor	uF	/	/
	Speed(Hi/Mi/Lo)	r/min	1000/900/800	950/850/750
Indoor coil	Number of rows		3	3
	Tube pitch(a)x row pitch(b)	mm	19.5*11.6	19.5*11.6
	Fin spacing	mm	1.2	1.2
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube
	Coil length x height x width	mm	525*351*34.8	825*351*34.8
	Number of circuits		6	9
Indoor air flow (Hi/Mi/Lo)		m3/h	900/780/650	1200/1000/700
ESP	Rated	Pa	25	25
	Range	Pa	0-160	0-160
Indoor sound pressure level Hi/Mi/Lo)		dB(A)	36.5/34/31	33.5/32.5/31
Indoor sound power level		dB(A)	53	56
Indoor unit	Dimension(W*D*H)	mm	700x750x245	1000x750x245
	Packing (W*D*H)	mm	925x850x298	1225x860x304
	Net/Gross weight	kg	24.4/29	31.8/37.2
Drainage water pipe diameter		mm	ODΦ25mm	ODΦ25mm
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Wired control	Wired control
Operation temperature		°C	16-30	16-30
Room temperature	Cooling	°C	16~32	16~32
	Heating	°C	0~30	0~30
Qty'per 20' /40' /40'HQ		Indoor unit	96/224/252	70/154/176
Compressor	Model		KSN140D21UFZ	KTM240D46UKT2
	Type		ROTARY	ROTARY
	Brand		GMCC	GMCC
	Capacity	W	4385	4780/7600
	Input	W	1140	805/2045
	Rated current(RLA)	A	7.50	4.15/9.30
	Refrigerant oil/oil charge	ml	VG74 440	VG74 620
Outdoor fan motor	Model		ZKFN-34-10-1-3	ZKFN-80-8-3
	Qty		1	1
	Insulation class		B	E
	IP rating		IP24	IPX4
	Output	W	34	80
	Capacitor	uF	/	/
	Speed	r/min	760/650	830/550

Outdoor coil	Number of rows		2	1.6
	Tube pitch(a)x row pitch(b)	mm	21x22	21x22
	Fin spacing	mm	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	860*504*44	900*609*22+540*609*22
	Number of circuits		4	5
Outdoor air flow		m3/h	2100	3500
Outdoor sound pressure level		dB(A)	59	60
Outdoor sound power level		dB(A)	62	69
Throttle type			EXV	EXV+Throttle valve
Outdoor unit	Dimension(W*D*H)	mm	805x330x554	890x342x673
	Packing (W*D*H)	mm	915x370x615	995x398x740
	Net/Gross weight	kg	32.5/35.2	41.9/45.2
Refrigerant type	Type	-	R32	R32
	GWP	-	675	675
	Charged quantity	kg	1.15	1.4
Design pressure		MPa	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	30	50
	Max. difference in level	m	20	25
Ambient temperature	Cooling	°C	-15~50	-15~50
	Heating	°C	-20~24	-20~24
Qty'per 20' /40' /40'HQ		Outdoor unit	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.

4) TDB Summer Outdoor: 35°C; TWB Summer Outdoor: 21,4°C; TDB Winter Outdoor: -0.8°C; RH Winter Outdoor: 90%.

Indoor model			MTJ-30HWFNX-QRD1W(GA)	MTJ-36HWFNX-QRD0W(GA)	MTJ-36HWFNX-QRD0W(GA)
Outdoor model			MOD30U-30HFN8-QRD1W(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
Rated Power Input		W	4500	5000	5000
Rated Current		A	20	22.5	10.0
Indoor fan motor	Model		ZKFN-165-10-1L	ZKFN-400-8-1	ZKFN-400-8-1
	Qty		1	1	1
	Insulation class		B	B	B
	IP rating		IP20	IP20	IP20
	Output	W	165	400	400
	Capacitor	uF	/	/	/
	Speed(Hi/Mi/Lo)	r/min	1180/1040/910	1120/1000/880	1120/1000/880
Indoor coil	Number of rows		4	3	3
	Tube pitch(a)x row pitch(b)	mm	19.5*11.6	21x13.37	21x13.37
	Fin spacing	mm	1.2	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	825*351*46.4	1025*378*40.11	1025*378*40.11
	Number of circuits		9	9	9
Indoor air flow (Hi/Mi/Lo)		m3/h	1500/1200/900	1700/1400/1100	1700/1400/1100
ESP	Rated	Pa	37	37	37
	Range	Pa	0-160	0-160	0-160
Indoor sound pressure level Hi/Mi/Lo)		dB(A)	39/37/35	38/36/33	39/37/34
Indoor sound power level		dB(A)	60	62	62
Indoor unit	Dimension(W*D*H)	mm	1000x750x245	1200x750x245	1200x750x245
	Packing (W*D*H)	mm	1225x860x304	1425x860x304	1425x860x304
	Net/Gross weight	kg	32.7/38.3	38.4/44.4	38.4/44.4
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	70/154/176	70/147/168	70/147/168
Compressor	Model		KTM240D46UKT2	KTF310D43UMT	KTF310D43UMT
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	W	4780/7600	10010	10010
	Input	W	805/2045	2765	2765
	Rated current(RLA)	A	4.15/9.30	5.38	5.38
	Thermal protector		/	INT01L-4639	INT01L-4639
	Thermal protector position		NA	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	Φ7Inner groove tube	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube
	Coil length x height x width	mm	995x762x44	995x762x44	995x762x44
	Number of circuits		6	4	4
Outdoor air flow		m3/h	3800	4000	4000
Outdoor sound pressure level		dB(A)	60	65	65
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	51/55.7	66.9/71.5	75.5/80
Refrigerant type	Type	-	R32	R32	R32
	GWP	-	675	675	675
	Charged quantity	kg	1.8	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	-20~24	-20~24	-20~24
Qty'per 20' /40' /40'HQ		Outdoor unit	44/96/138	44/96/138	44/96/138

Specifications

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.

4) TDB Summer Outdoor: 35°C; TWB Summer Outdoor: 21,4°C; TDB Winter Outdoor: -0.8°C; RH Winter Outdoor: 90%.

Indoor model			MTJ-42HWFNX-QRD0W(GA)	MTJ-48HWFNX-QRD0W(GA)
Outdoor model			MOD30U-42HFN8-QRD0W(GA)	MOX630U-48HFN8-QRD0W(GA)
Power supply (Indoor)		V- Ph-Hz	220~240-1-50	220~240-1-50
Power Supply (Outdoor)		V-Ph-Hz	220~240-1-50	220~240-1-50
Rated Power Input		W	5000	7300
Rated Current		A	22.5	32
Indoor fan motor	Model		ZKFN-400-8-1	ZKFN-400-8-1
	Qty		1	1
	Insulation class		B	B
	IP rating		IP20	IP20
	Output	W	400	400
	Capacitor	uF	/	/
	Speed(Hi/Mi/Lo)	r/min	1350/1230/1110	1350/1230/1110
Indoor coil	Number of rows		4	4
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37
	Fin spacing	mm	1.4	1.4
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	1025*378*53.48	1025*378*53.48
	Number of circuits		9	9
Indoor air flow (Hi/Mi/Lo)		m3/h	2000/1700/1300	2000/1700/1300
ESP	Rated	Pa	50	50
	Range	Pa	0-160	0-160
Indoor sound pressure level Hi/Mi/Lo)		dB(A)	39/37/35.5	46/44/42
Indoor sound power level		dB(A)	62	64
Indoor unit	Dimension(W*D*H)	mm	1200x750x245	1200x750x245
	Packing (W*D*H)	mm	1425x860x304	1425x860x304
	Net/Gross weight	kg	40.6/46.1	40.4/46.8
Drainage water pipe diameter		mm	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")
Controller			Wired control	Wired control
Operation temperature		°C	16-30	16-30
Room temperature	Cooling	°C	16~32	16~32
	Heating	°C	0~30	0~30
Qty'per 20' /40' /40'HQ		Indoor unit	70/147/168	70/147/168
Compressor	Model		KTF310D43UMT	KTQ420D1UMU
	Type		ROTARY	ROTARY
	Brand		GMCC	GMCC
	Capacity	W	10010	13700
	Input	W	2765	3700
	Rated current(RLA)	A	5.38	7.02
	Thermal protector		INT01L-4639	INT01L-4639
	Thermal protector position		EXTERNAL	EXTERNAL
	Refrigerant oil/oil charge	ml	VG74/1000	VG74/1400
Outdoor fan motor	Model		ZKFN-120-8-2	ZKFN-250-10-1
	Qty		1	2
	Insulation class		E	B
	IP rating		IPX4	IP44
	Output	W	120	250
	Capacitor	uF	/	/
	Speed	r/min	950/750	850/400

Outdoor coil	Number of rows		2.6	2.6
	Tube pitch(a)x row pitch(b)	mm	25.4x22	21x22
	Fin spacing	mm	1.5	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ9.52,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	995x762x22+960x762x22+580x762x22	990*924*66
	Number of circuits		6	14
Outdoor air flow		m3/h	4000	5600
Outdoor sound pressure level		dB(A)	63.5	64.5
Outdoor sound power level		dB(A)	72	74
Throttle type			EXV+Throttle valve	EXV+Throttle valve
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	980x375x975
	Packing (W*D*H)	mm	1090x500x885	1145x500x1080
	Net/Gross weight	kg	71.0/75.0	82.5/97
Refrigerant type	Type	-	R32	R32
	GWP	-	675	675
	Charged quantity	kg	2.8	2.9
Design pressure		MPa	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")
	Max. refrigerant pipe length	m	75	75
	Max. difference in level	m	30	30
Ambient temperature	Cooling	°C	-15~50	-15~50
	Heating	°C	-20~24	-20~24
Qty'per 20' /40' /40'HQ		Outdoor unit	44/96/138	44/96/96

Specifications

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.

4) TDB Summer Outdoor: 35°C; TWB Summer Outdoor: 21,4°C; TDB Winter Outdoor: -0.8°C; RH Winter Outdoor: 90%.

Indoor model			MTJ-48HWFNX-QRD0W(GA)	MTJI-55HWFNX-QRD0W(GA)
Outdoor model			MOX630U-48HFN8-RRD0W(GA)	MOX630U-55HFN8-RRD0W(GA)
Power supply (Indoor)		V- Ph-Hz	220~240-1-50	220~240-1-50
Power Supply (Outdoor)		V-Ph-Hz	380~415-3-50	380~415-3-50
Rated Power Input		W	7300	7500
Rated Current		A	14	14
Indoor fan motor	Model		ZKFN-400-8-1	ZKFN-400-8-1
	Qty		1	1
	Insulation class		B	B
	IP rating		IP20	IP20
	Output	W	400	400
	Capacitor	uF	/	/
	Speed(Hi/Mi/Lo)	r/min	1350/1230/1110	910/855/690
Indoor coil	Number of rows		4	4
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37
	Fin spacing	mm	1.4	1.4
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	1025*378*53.48	1025*378*53.48
	Number of circuits		9	9
Indoor air flow (Hi/Mi/Lo)		m3/h	2000/1700/1300	2200/1900/1500
ESP	Rated	Pa	50	50
	Range	Pa	0-160	0-160
Indoor sound pressure level Hi/Mi/Lo)		dB(A)	43.5/41.5/39.5	44.5/43/41.5
Indoor sound power level		dB(A)	65	66
Indoor unit	Dimension(W*D*H)	mm	1200x750x245	1200x750x300
	Packing (W*D*H)	mm	1425x860x304	1425x860x359
	Net/Gross weight	kg	40.4/46.8	42.9/49.1
Drainage water pipe diameter		mm	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")
Controller			Wired control	Wired control
Operation temperature		°C	16-30	16-30
Room temperature	Cooling	°C	16~32	16~32
	Heating	°C	0~30	0~30
Qty'per 20' /40' /40'HQ		Indoor unit	70/147/168	60/126/147
Compressor	Model		KTQ420D1UMU	KTQ420D1UMU
	Type		ROTARY	ROTARY
	Brand		GMCC	GMCC
	Capacity	W	13700	13700
	Input	W	3700	3700
	Rated current(RLA)	A	7.02	7.02
	Thermal protector		INT01L-4639	INT01L-4639
	Thermal protector position		EXTERNAL	EXTERNAL
	Refrigerant oil/oil charge	ml	VG74/1400	VG74/1400
Outdoor fan motor	Model		ZKFN-250-10-1	ZKFN-250-10-1
	Qty		2	2
	Insulation class		B	B
	IP rating		IP44	IP44
	Output	W	250	250
	Capacitor	uF	/	/
	Speed	r/min	850/400	850/400

Outdoor coil	Number of rows		2.6	3
	Tube pitch(a)x row pitch(b)	mm	21x22	21x22
	Fin spacing	mm	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	757*303*924	990*924*66
	Number of circuits		14	14
Outdoor air flow		m3/h	5600	5600
Outdoor sound pressure level		dB(A)	64.5	64
Outdoor sound power level		dB(A)	73	74
Throttle type			EXV+Throttle valve	EXV+Throttle valve
Outdoor unit	Dimension(W*D*H)	mm	980x375x975	980x375x975
	Packing (W*D*H)	mm	1145x500x1080	1145x500x1080
	Net/Gross weight	kg	90/105	92/107
Refrigerant type	Type	-	R32	R32
	GWP	-	675	675
	Charged quantity	kg	2.9	3.2
Design pressure		MPa	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")
	Max. refrigerant pipe length	m	75	75
	Max. difference in level	m	30	30
Ambient temperature	Cooling	°C	-15~50	-15~50
	Heating	°C	-20~24	-20~24
Qty'per 20' /40' /40'HQ		Outdoor unit	44/96/96	44/96/96

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.

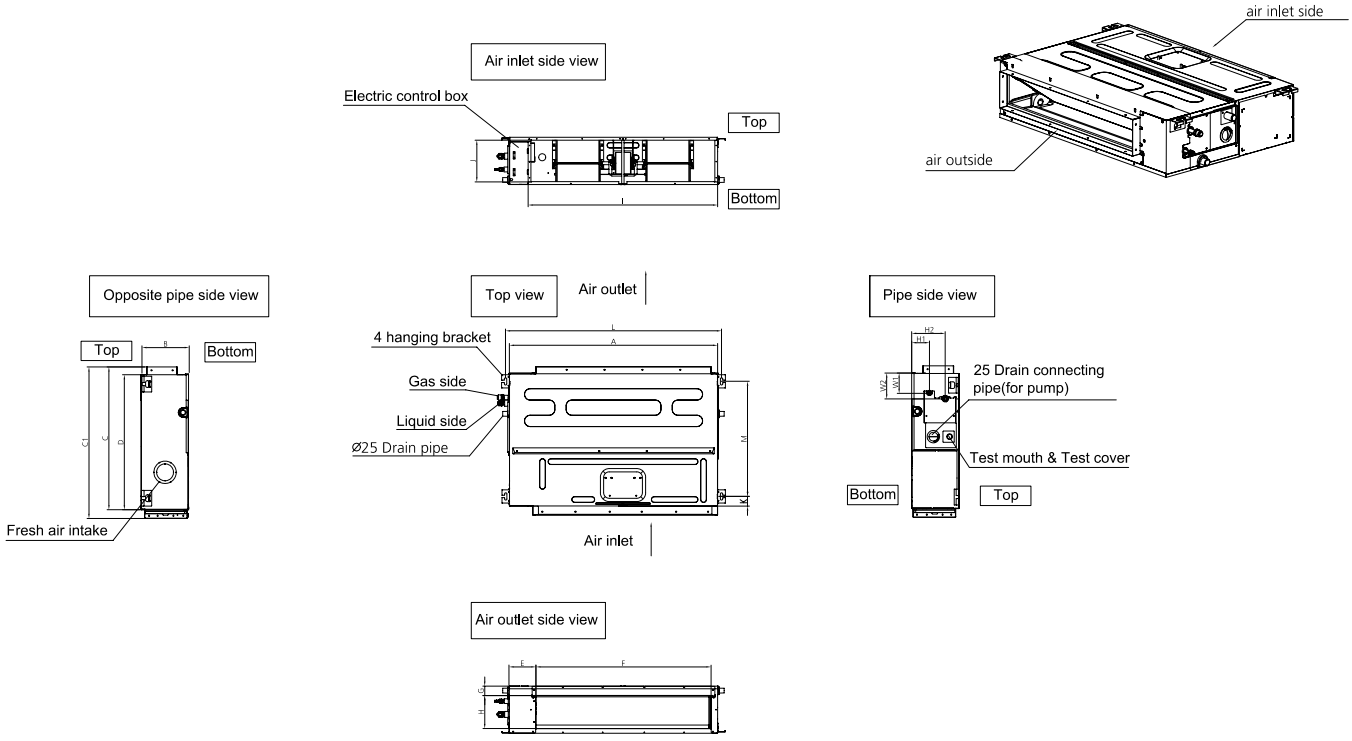
2) Capacities are Net Capacities.

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

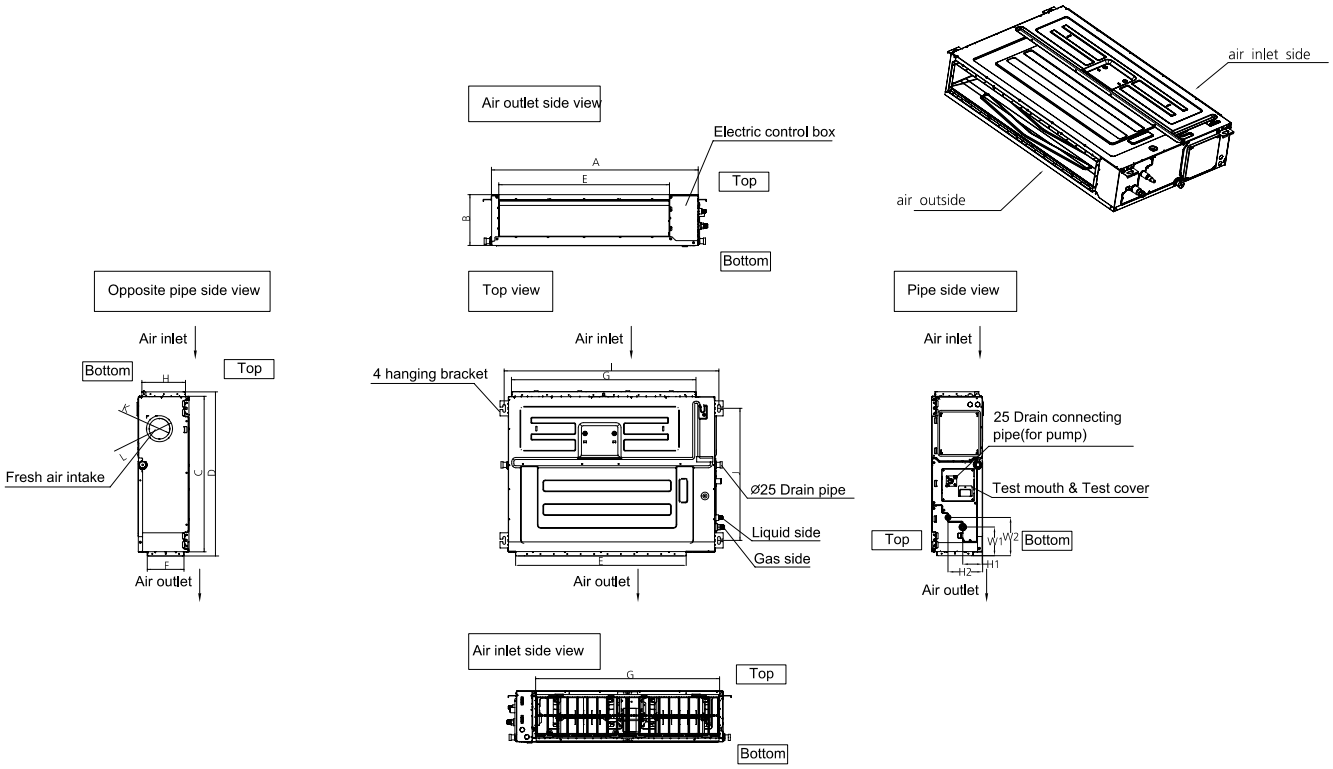
4) TDB Summer Outdoor: 35°C; TWB Summer Outdoor: 21,4°C; TDB Winter Outdoor: -0.8°C; RH Winter Outdoor: 90%.

3. Dimensional Drawings

3.1 Indoor Unit



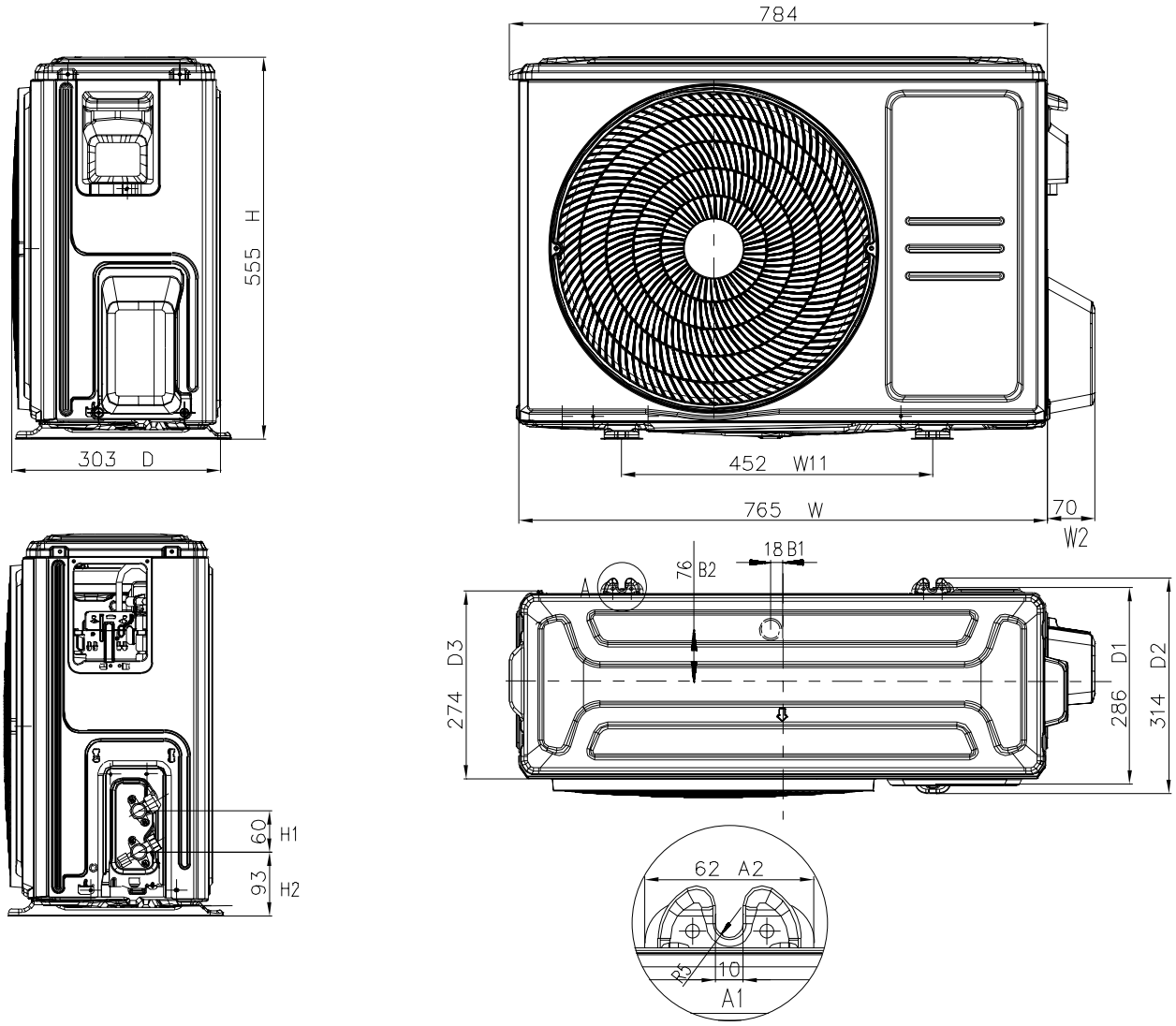
Capacity (kBtu/h)	unit	Outline dimension					Air outlet opening size				Air return opening size			Size of install hanger		Size of refrigerant pipe			
		A	B	C	C1	D	E	F	G	H	I	J	K	L	M	H1	H2	W1	W2
9/12	mm	700	200	470	506	450	137	537	30	152	599	186	50	741	360	84	140	84	84
	inch	27.6	7.9	18.5	19.9	17.7	5.4	21.1	1.2	6.0	23.6	7.3	2.0	29.2	14.2	3.3	5.5	3.3	3.3



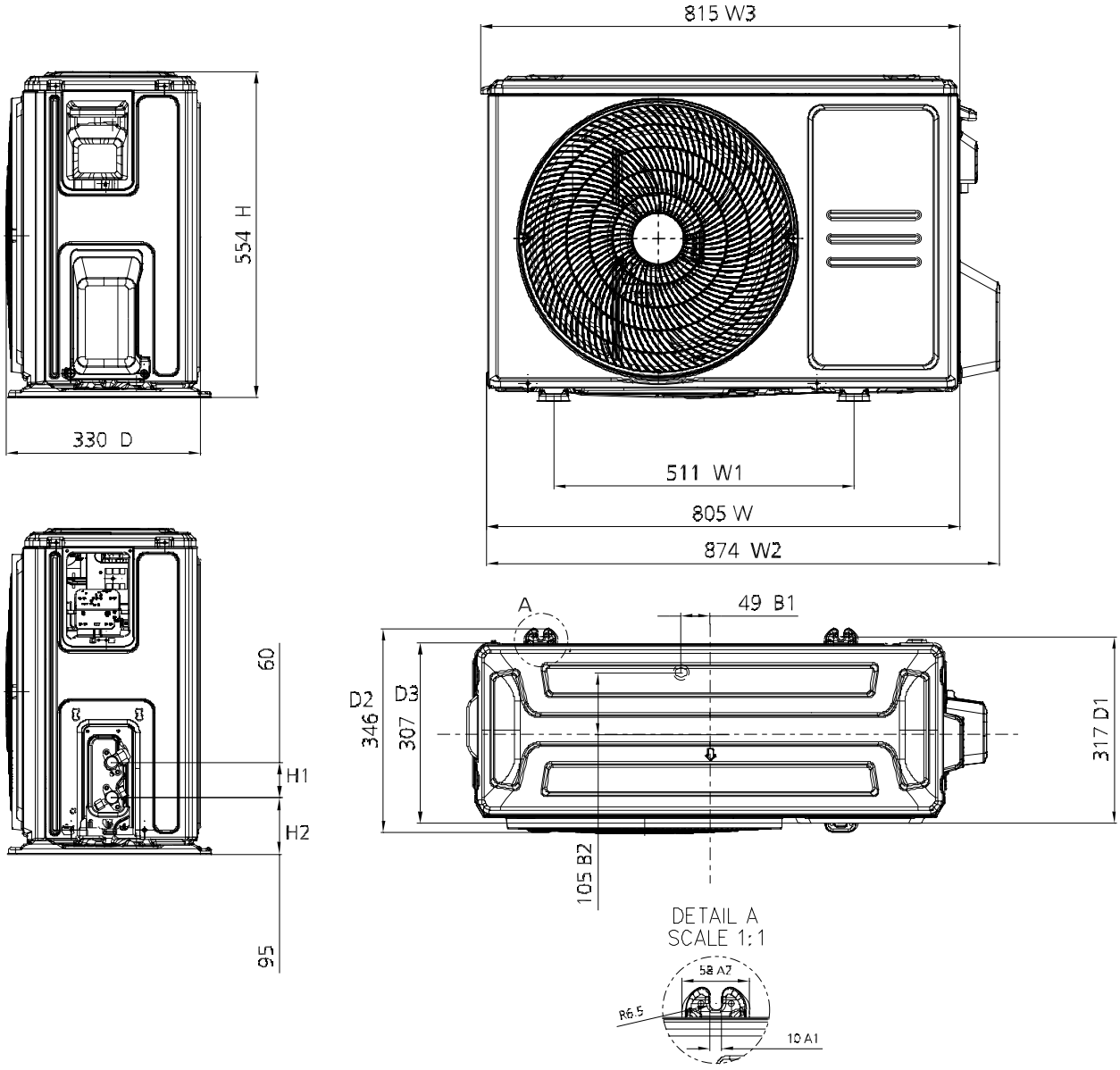
Capacity (kBtu/h)	unit	Outline Dimension				Air Outlet Opening Size		Air Return Opening Size		Size Of Mounted Lug		Fresh Air Intake Opening Size		Size of refrigerant pipe			
		A	B	C	D	E	F	G	H	I	J	K	L	H1	H2	W1	W2
18	mm	700	245	750	795	527	178	592	212	740	640	100	126	72	144	120	165
	inch	27.6	9.6	29.5	31.3	20.7	7.0	23.3	8.3	29.1	25.2	3.9	5.0	2.8	5.7	4.7	6.5
24/30	mm	1000	245	750	795	827	178	892	212	1040	640	100	126	80	151	120	165
	inch	39.4	9.6	29.5	31.3	32.6	7.0	35.1	8.3	40.9	25.2	3.9	5.0	3.1	5.9	4.7	6.5
36/42/48	mm	1200	245	750	795	1027	178	1092	212	1240	640	100	126	80	151	120	165
	inch	47.2	9.6	29.5	31.3	40.4	7.0	43.0	8.3	48.8	25.2	3.9	5.0	3.1	5.9	4.7	6.5
55	mm	1200	300	750	795	1027	233	1092	267	1240	640	125	160	102	163	101	160
	inch	47.2	11.8	29.5	31.3	40.4	9.2	43.0	10.5	48.8	25.2	4.9	6.3	4.0	6.4	4.0	6.3

3.2 Outdoor Unit

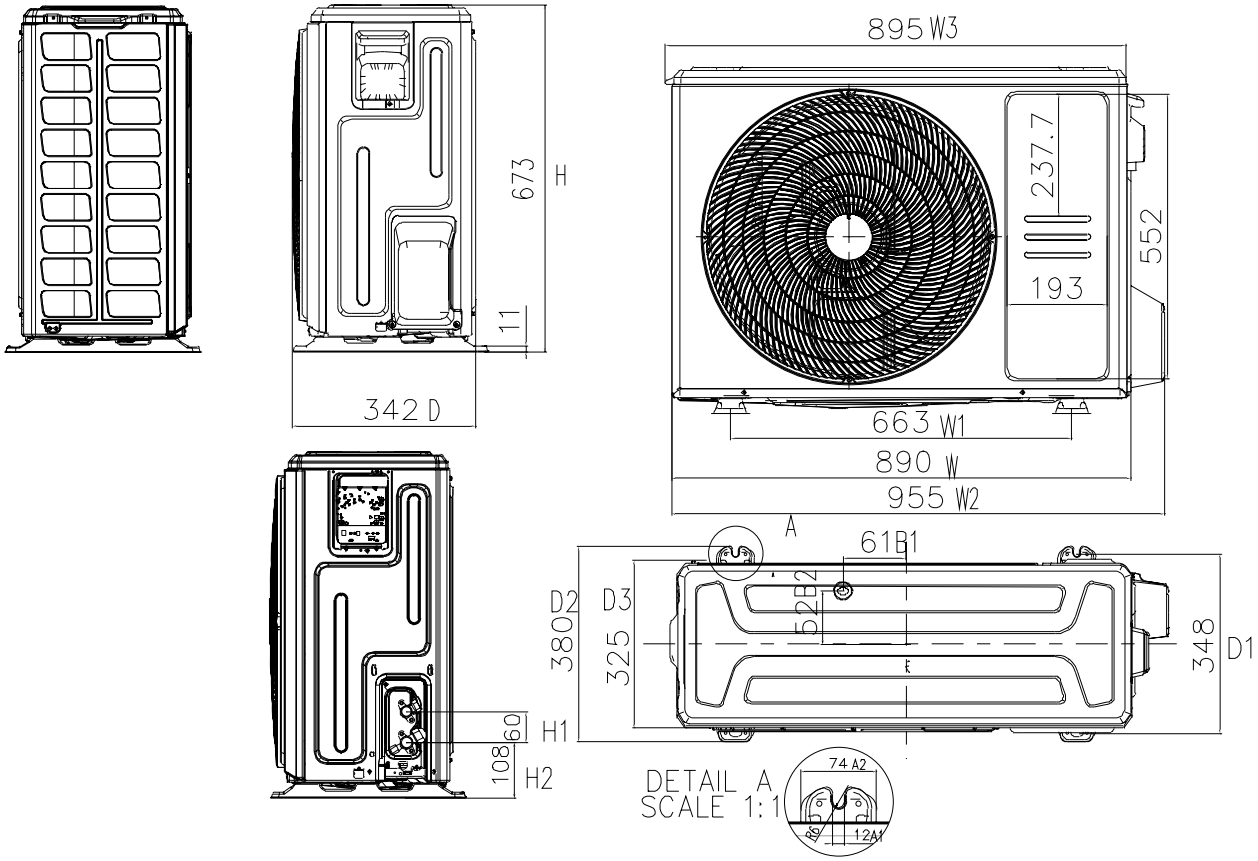
MOX230-09HFN8-QRD1W(GA), MOX230-12HFN8-QRD0W(GA)



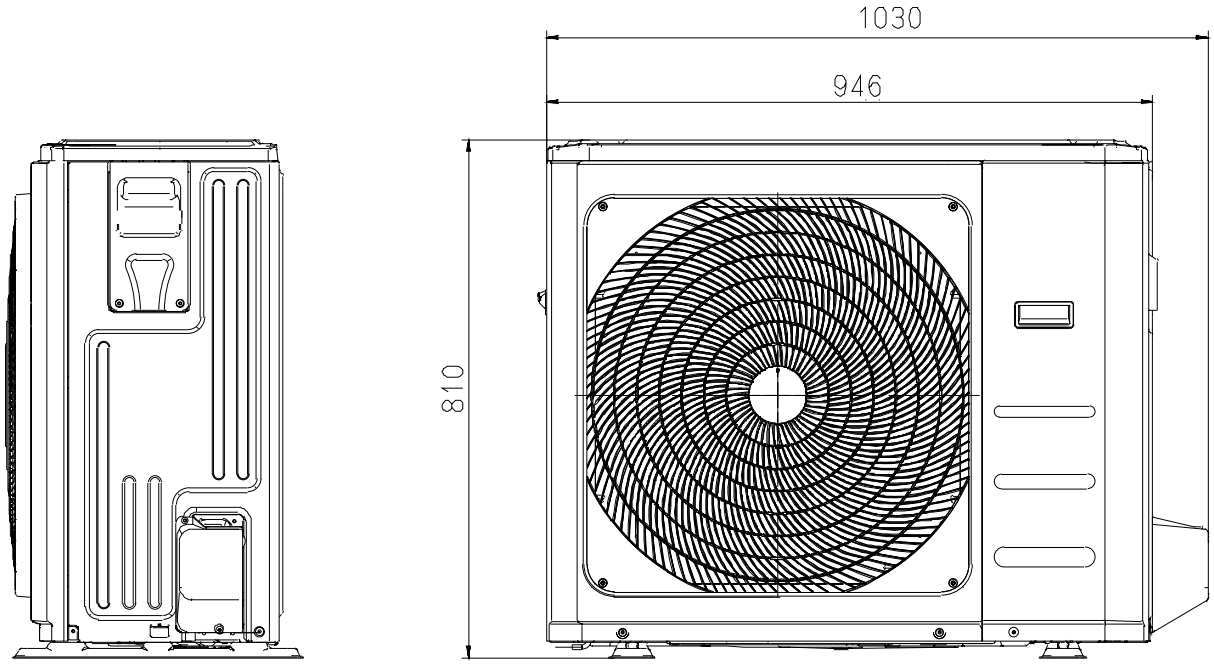
MOX330U-18HFN8-QRD0W(GA)

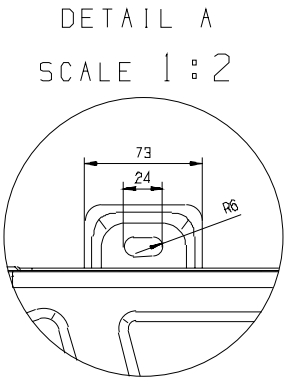


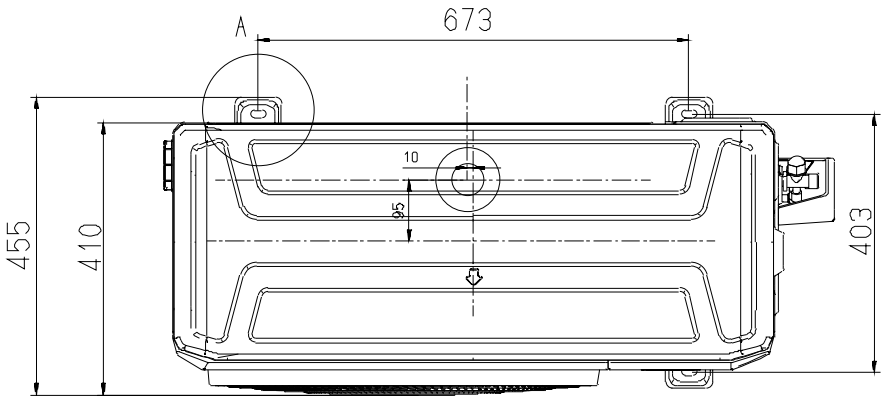
MOX430U-24HFN8-QRD1W(GA)



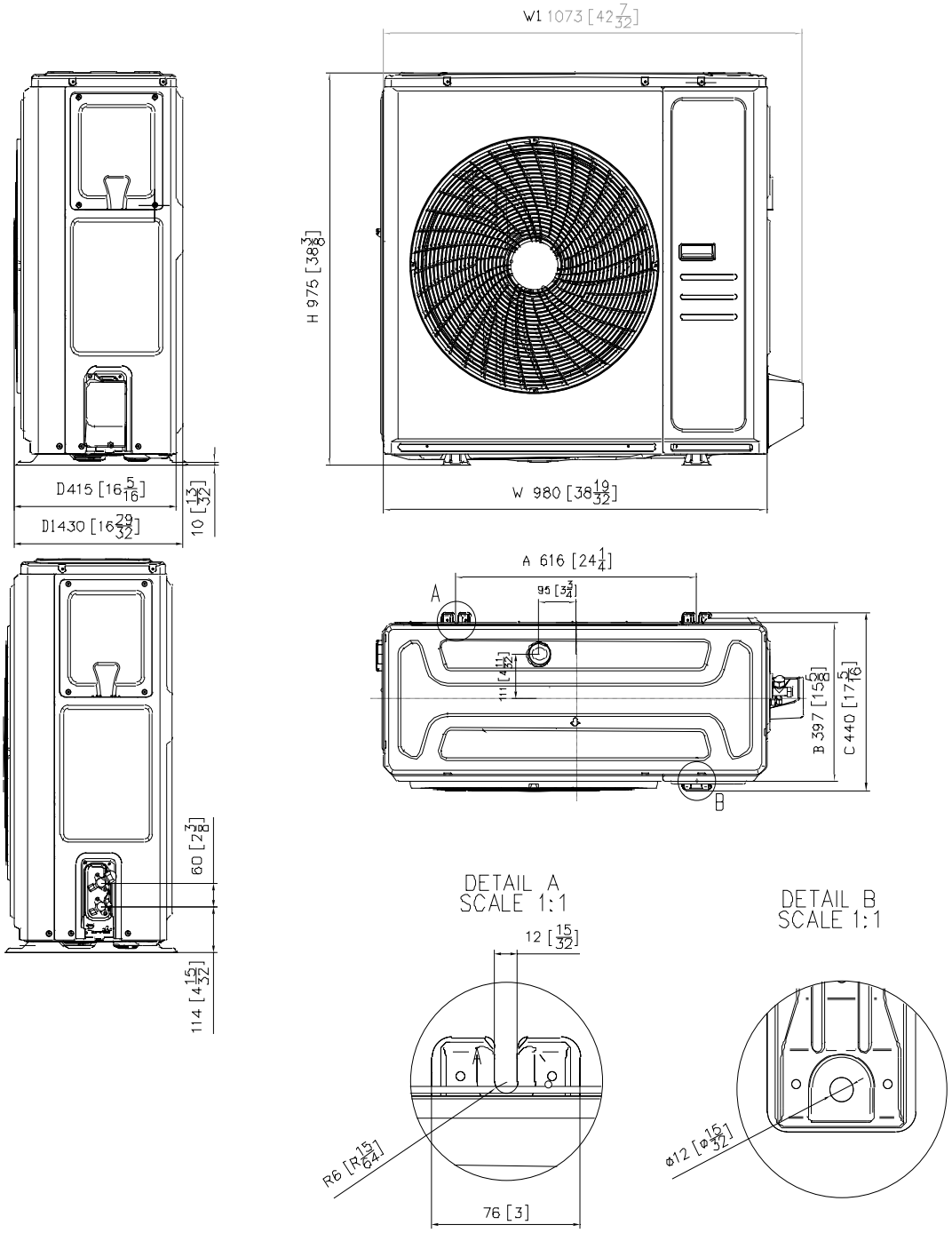
MOD30U-30HFN8-QRD1W(GA), MOD30U-36HFN8-QRD0W(GA), MOD30U-36HFN8-RRD0W(GA),
MOD30U-42HFN8-QRD0W(GA)





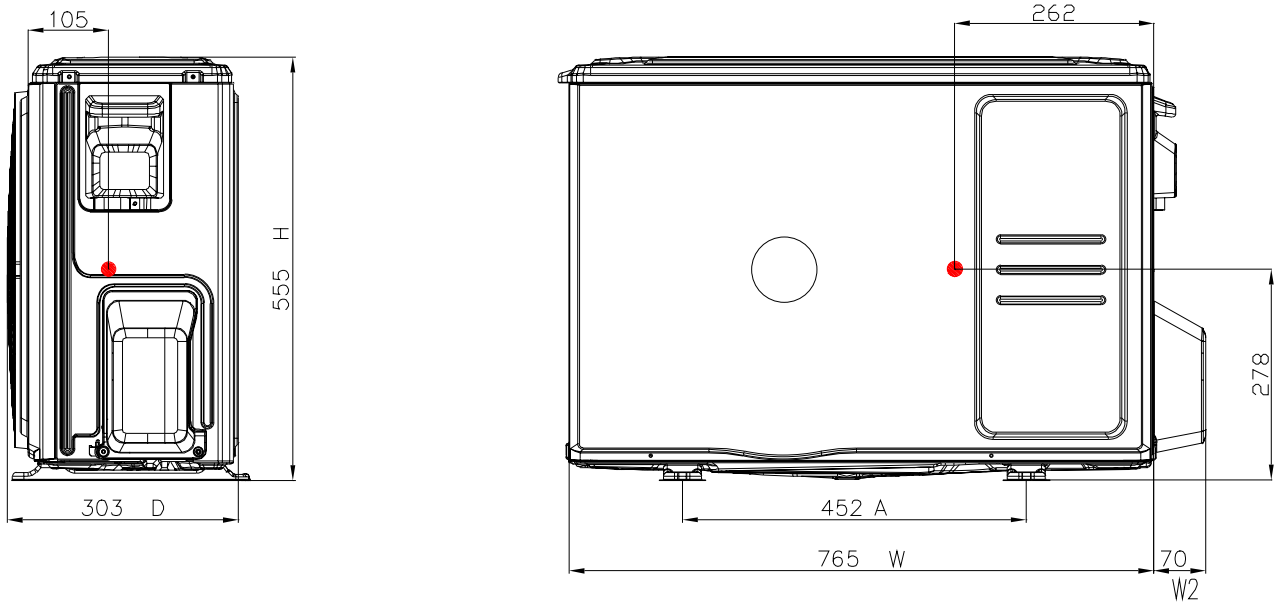


MOX630U-48HFN8-QRD0W(GA), MOX630U-48HFN8-RRD0W(GA), MOX630U-55HFN8-RRD0W(GA)

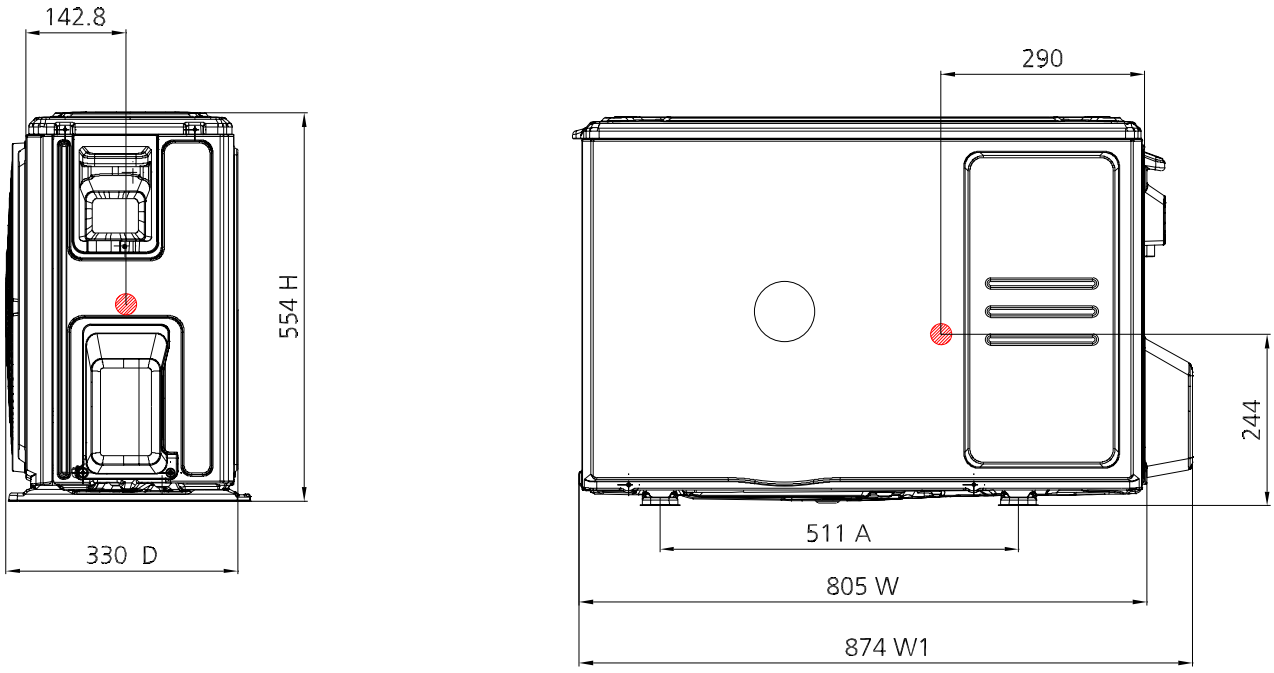


4. Centre of gravity

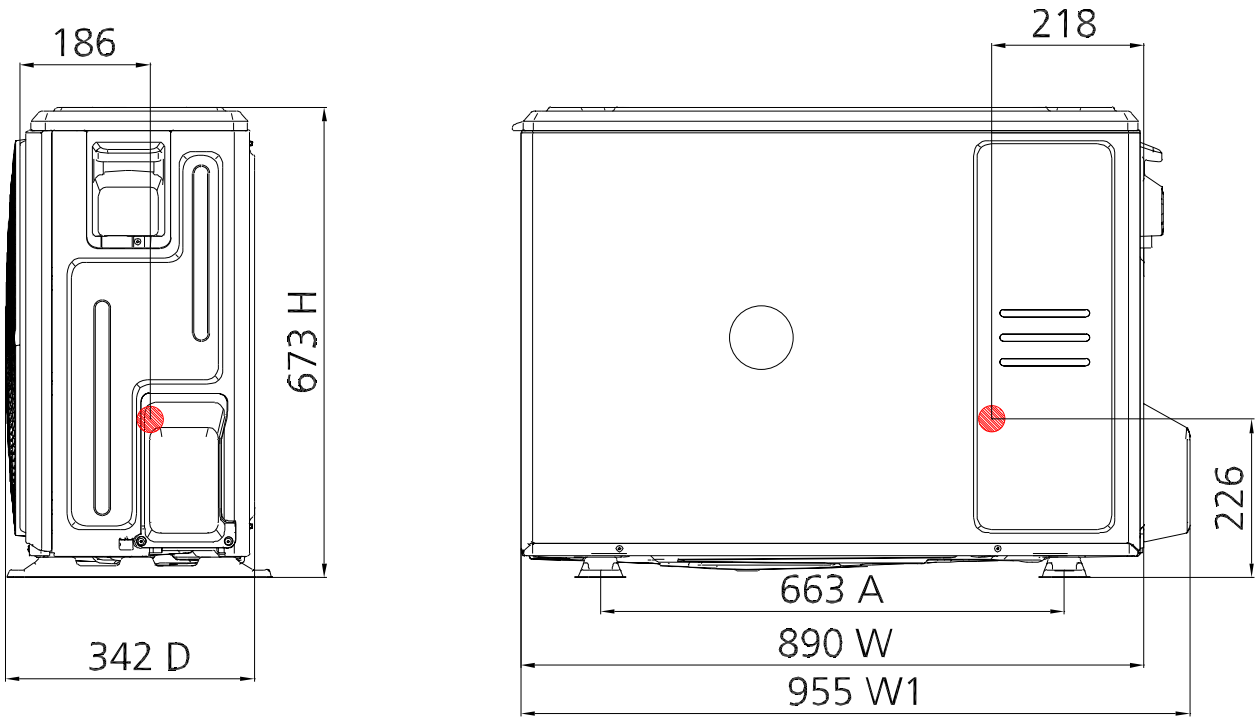
MOX230-09HFN8-QRD1W(GA), MOX230-12HFN8-QRD0W(GA)



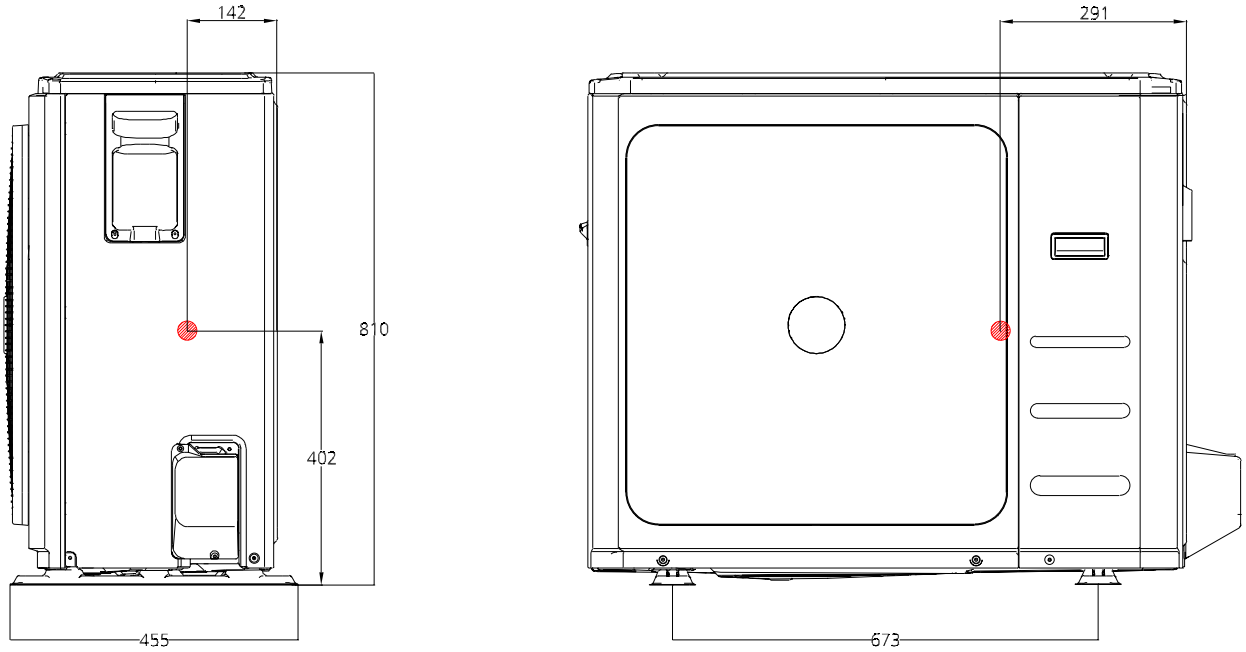
MOX330U-18HFN8-QRD0W(GA)



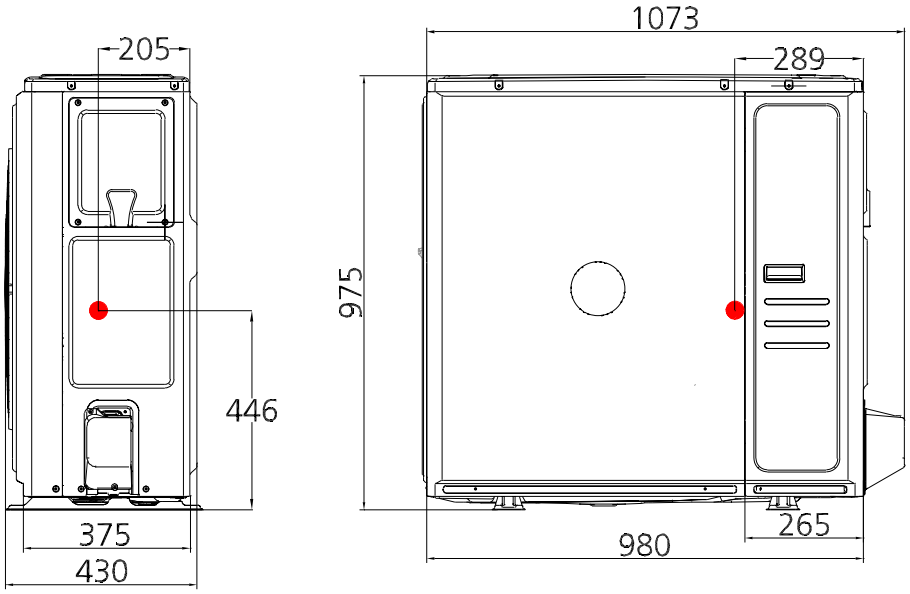
MOX430U-24HFN8-QRD1W(GA)



MOD30U-30HFN8-QRD1W(GA), MOD30U-36HFN8-QRD0W(GA), MOD30U-36HFN8-RRD0W(GA),
MOD30U-42HFN8-QRD0W(GA)



MOX630U-48HFN8-QRD0W(GA), MOX630U-48HFN8-RRD0W(GA), MOX630U-55HFN8-RRD0W(GA)

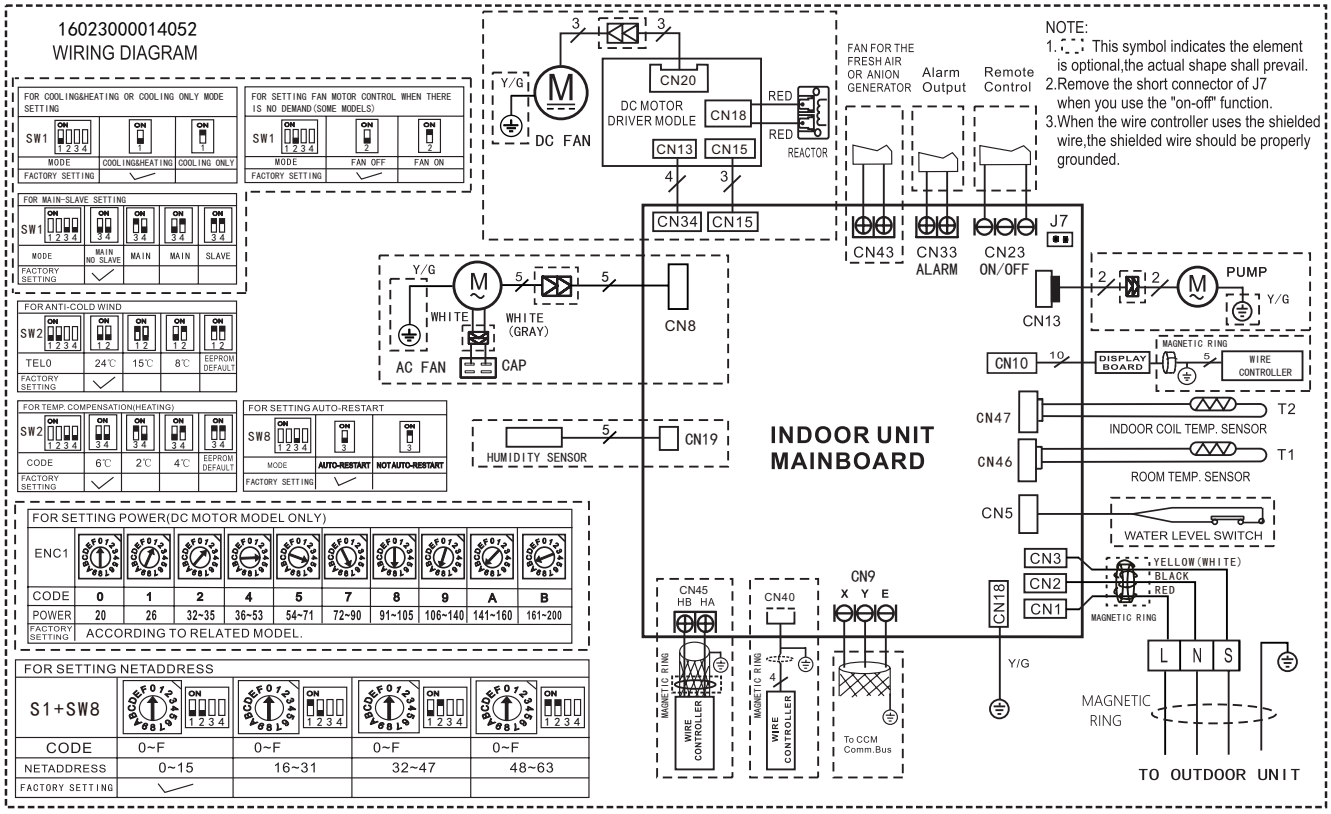


5. Electrical Wiring Diagrams

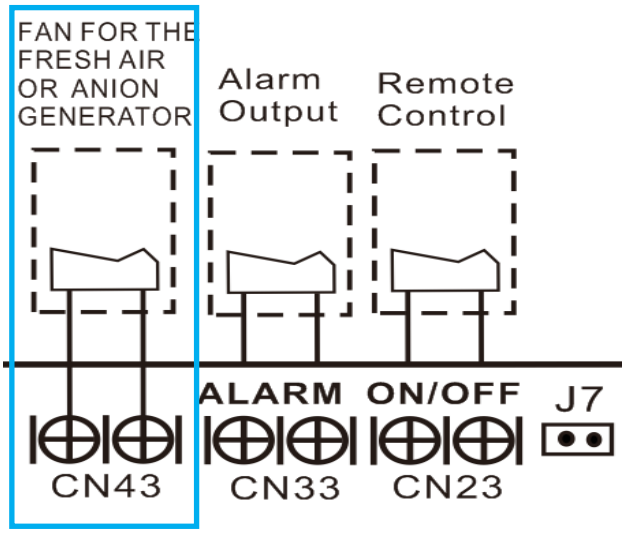
5.1 Indoor unit

Abbreviation	Paraphrase
Y/G	Yellow-Green Conductor
CAP1	Indoor Fan Capacitor
AC FAN	Alternating Current Fan
DC FAN	Direct Current Fan
PUMP	PUMP
L	LIVE
N	NEUTRAL
TO CCM Comm.Bus	Central Controller
T1	Indoor Room Temperature
T2	Coil Temperature of Indoor Heat Exchanger
P1	Super High Speed
P2	High Speed

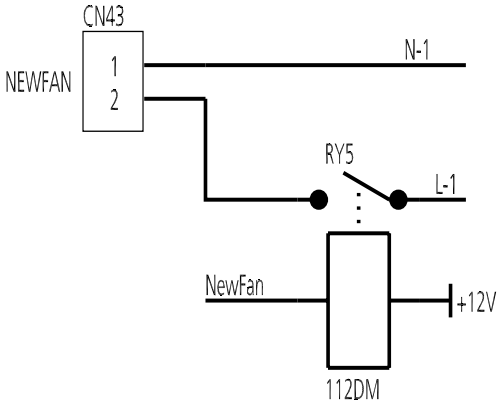
MTJ-09HWFNX-QRD1W(GA), MTJ-12HWFNX-QRD1W(GA), MTJ-18HWFNX-QRD1W(GA), MTJ-24HWFNX-QRD1W(GA), MTJ-30HWFNX-QRD1W(GA), MTJ-36HWFNX-QRD0W(GA), MTJ-42HWFNX-QRD0W(GA), MTJ-48HWFNX-QRD0W(GA), MTJI-55HWFNX-QRD0W(GA)

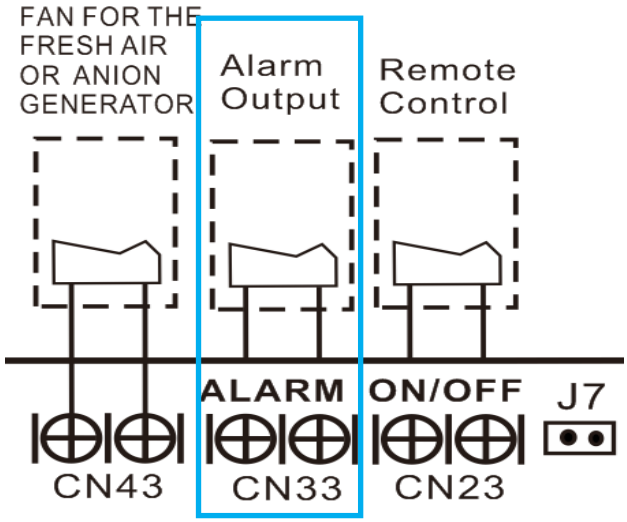


5.2 Some connectors introduce:



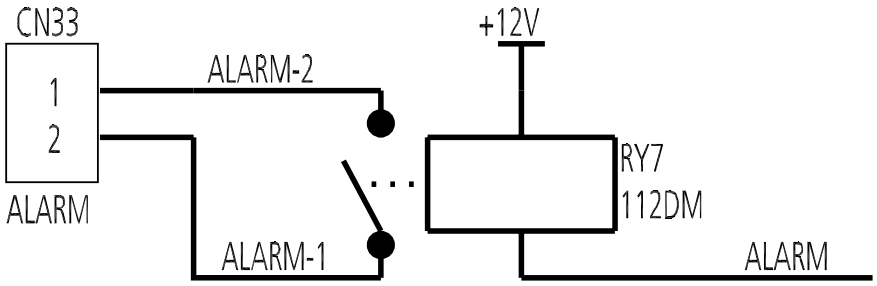
A. For new fresh motor terminal port (also for Anion generator) CN43:
1. Connect the fan motor to the port , no need care L/N of the motor ;
2. The output voltage is the power supply;
3. The fresh motor can not excess 200W or 1A , follow the smaller one ;
4. The new fresh motor will be worked when the 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 .

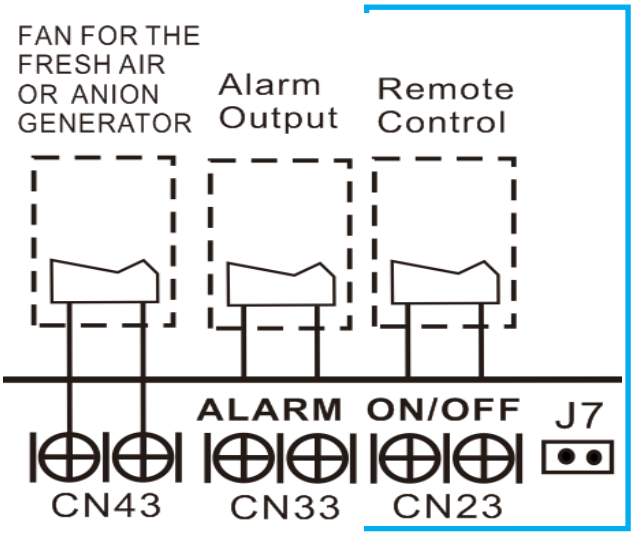




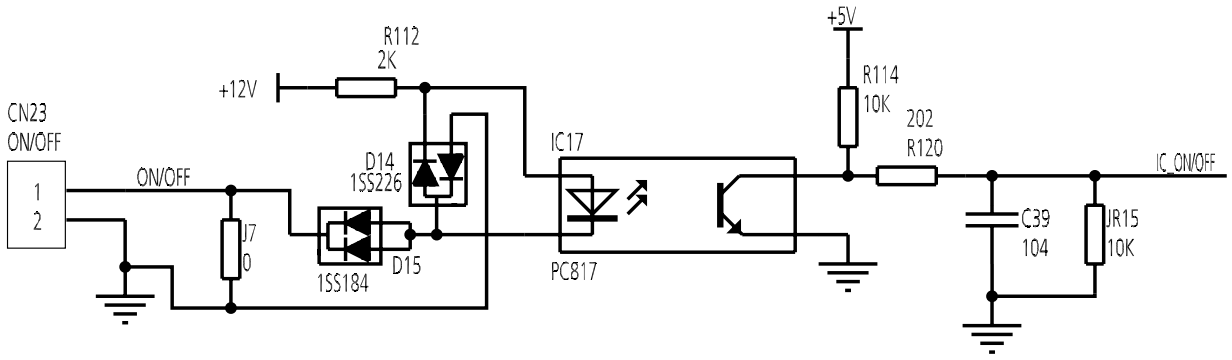
B For ALARM terminal port CN33

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





C. For remote control (ON-OFF) terminal port CN23 and short connector of J7
1. Remove the short connector of J7 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.



5.3 Micro-Switch Introduce:

FOR COOLING&HEATING OR COOLING ONLY MODE SETTING			
SW1	ON 1 2 3 4	ON 1	ON 1
MODE		COOLING&HEATING	COOLING ONLY
FACTORY SETTING		✓	

A. Micro-switch SW1 is for setting cooling &heating or cooling only.

Range: cooling &heating, cooling.

FOR SETTING FAN MOTOR CONTROL WHEN THERE IS NO DEMAND(SOME MODELS)			
SW1	ON 1 2 3 4	ON 2	ON 2
MODE		FAN OFF	FAN ON
FACTORY SETTING		✓	

B. Micro-switch SW1 is for selection of indoor FAN ACTION if room temperature reaches the setponit and the compressor stops.

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

FOR MAIN-SLAVE SETTING					
SW1	ON 1 2 3 4	ON 3 4	ON 3 4	ON 3 4	ON 3 4
MODE		MAIN NO SLAVE	MAIN	MAIN	SLAVE
FACTORY SETTING		✓			

C. Micro-switch SW1 is for setting the master or slave unit when the unit is in twin connection.

Range: Master no slave (Normal 1 drive 1 connection), Master (2 positions without difference), Slave

FOR TEMP. COMPENSATION(HEATING)					
SW2	ON 1 2 3 4	ON 3 4	ON 3 4	ON 3 4	ON 3 4
CODE		6℃	2℃	4℃	EEPROM DEFAULT
FACTORY SETTING		✓			

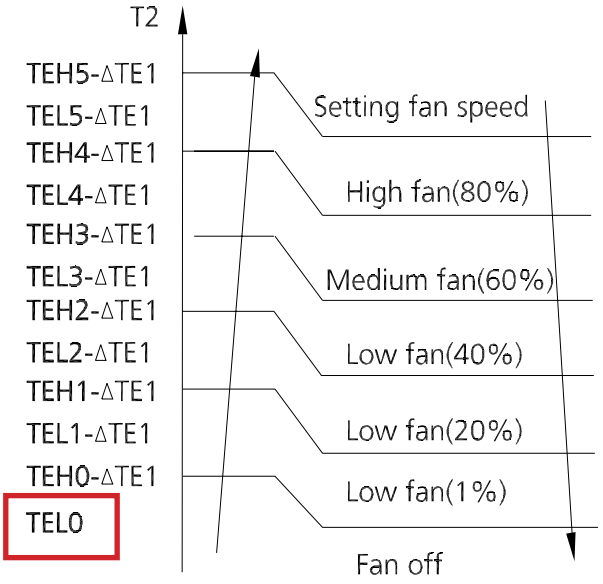
D. Micro-switch SW2 is for selection of temperature compensation in heating mode. This helps to reduce the real temperature difference between ceiling and floor so that the unit could run properly. If the height of installation is lower, smaller value could be chosen.

Range: 6°C, 4°C, 2°C, E function (reserved for special customizing)

FOR ANTI-COLD WIND					
SW2	ON 1 2 3 4	ON 1 2	ON 1 2	ON 1 2	ON 1 2
TEL0		24℃	15℃	8℃	EEPROM DEFAULT
FACTORY SETTING		✓			

E. Micro-switch SW2 is for selection of indoor fan stop temperature (TEL0) when it is in anti-cold wind action in heating mode.

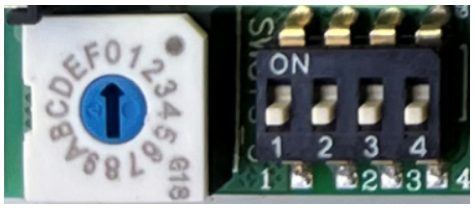
Range: 24°C, 15°C, 8°C, according to EEROM setting (reserved for special customizing).



FOR SETTING AUTO-RESTART			
SW8	ON 1 2 3 4	ON 3	ON 3
MODE		AUTO-RESTART	NOT AUTO-RESTART
FACTORY SETTING		✓	

F. Micro-switch SW8 is for selection of auto-restart function.

Range: Active, inactive



FOR SETTING NETADDRESS				
S1+SW8	0 ON 1 2 3 4	1 ON 1 2 3 4	2 ON 1 2 3 4	3 ON 1 2 3 4
CODE	0~F	0~F	0~F	0~F
NETADDRESS	0~15	16~31	32~47	48~63
FACTORY SETTING	✓			

G. Micro-switch SW8 and dial-switch S1 are for address setting when you want to control this unit by a central controller.

Range: 00-63

FOR SETTING POWER(DC MOTOR MODEL ONLY)										
ENC1	0	1	2	4	5	7	8	9	A	B
CODE	0	1	2	4	5	7	8	9	A	B
POWER	20	26	32~35	36~53	54~71	72~90	91~105	106~140	141~160	161~200
FACTORY SETTING	ACCORDING TO RELATED MODEL.									

H. 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.

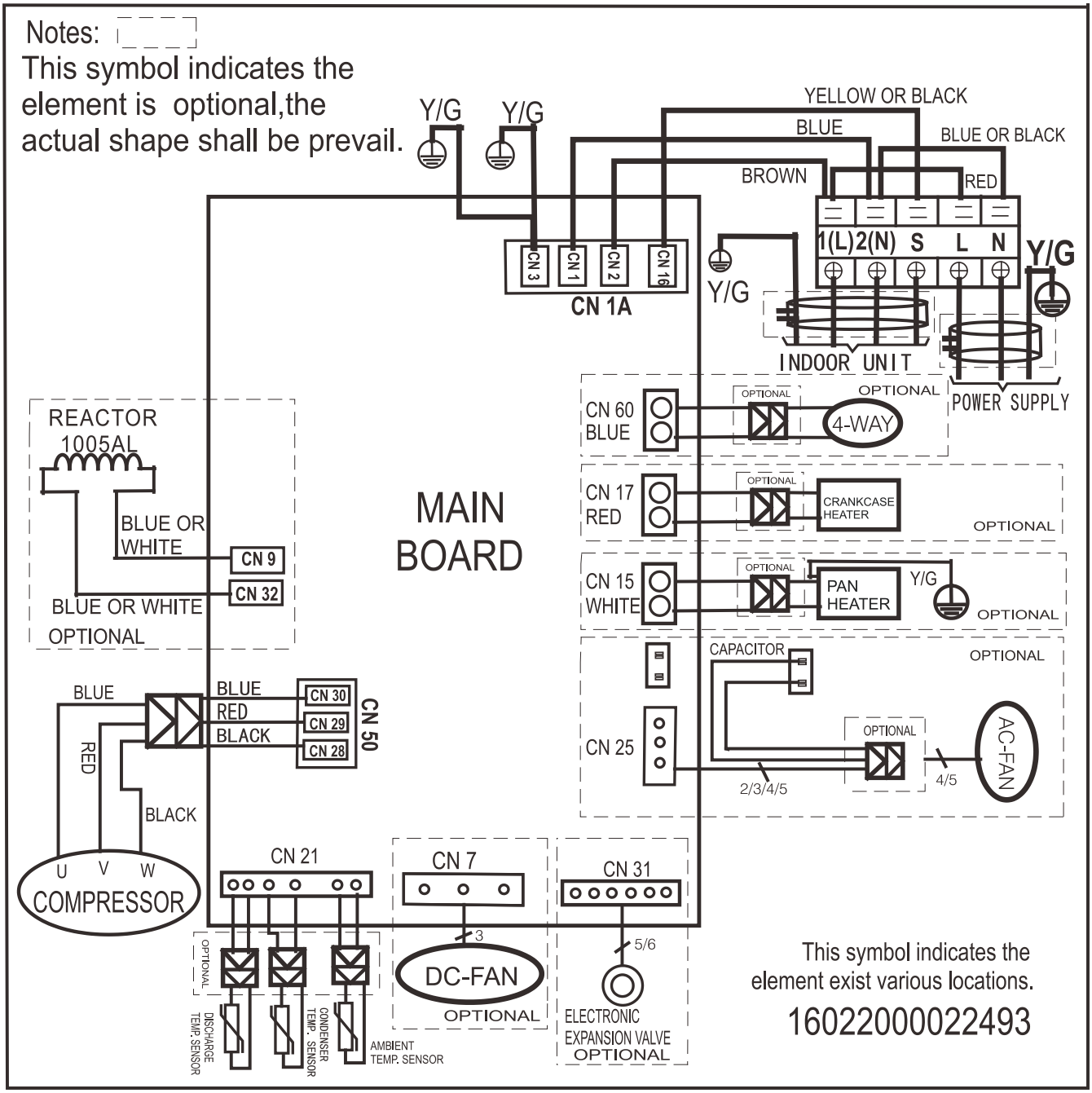
NOTE: Usually there is glue on it because the switch position cannot be changed at random unless you want to use this PCB as a spare part to use in another unit. Then you have to select the right position to match the size of the unit.

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

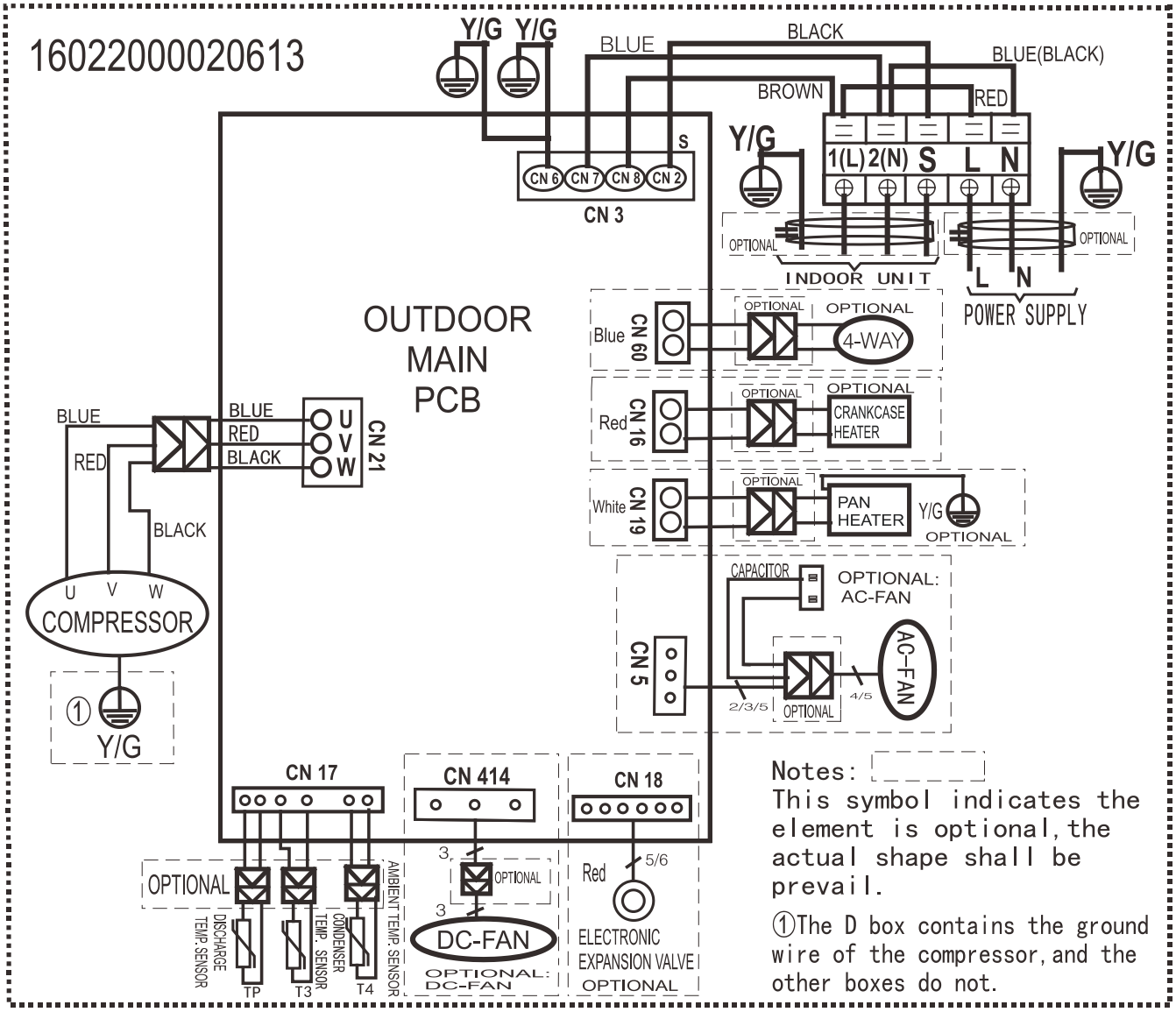
5.4 Outdoor Unit

Abbreviation	Paraphrase
CAP1, CAP2, CAP3,CAP4	Capacitor
FAN1	Outdoor Fan Motor
KM8	Contactor
CT1, CT2	AC Current Detector
COMP	Compressor
L-PRO, K2	Low Pressure Switch/Shorting Stub
K1	High Pressure Switch/Shorting Stub
TRANS	Power Transformer
T4	10KΩ RESISTANCE/Outdoor Ambient Temperature
T3	10KΩ RESISTANCE/Coil Temperature of Condenser
XT1	2-Way Terminal/4-Way Terminal
XT2	3-Way Terminal
XT4	Terminal
K3	Compressor Discharge Temperature/Shorting Stub
XP1~XP5,XT5~XT7	Connectors

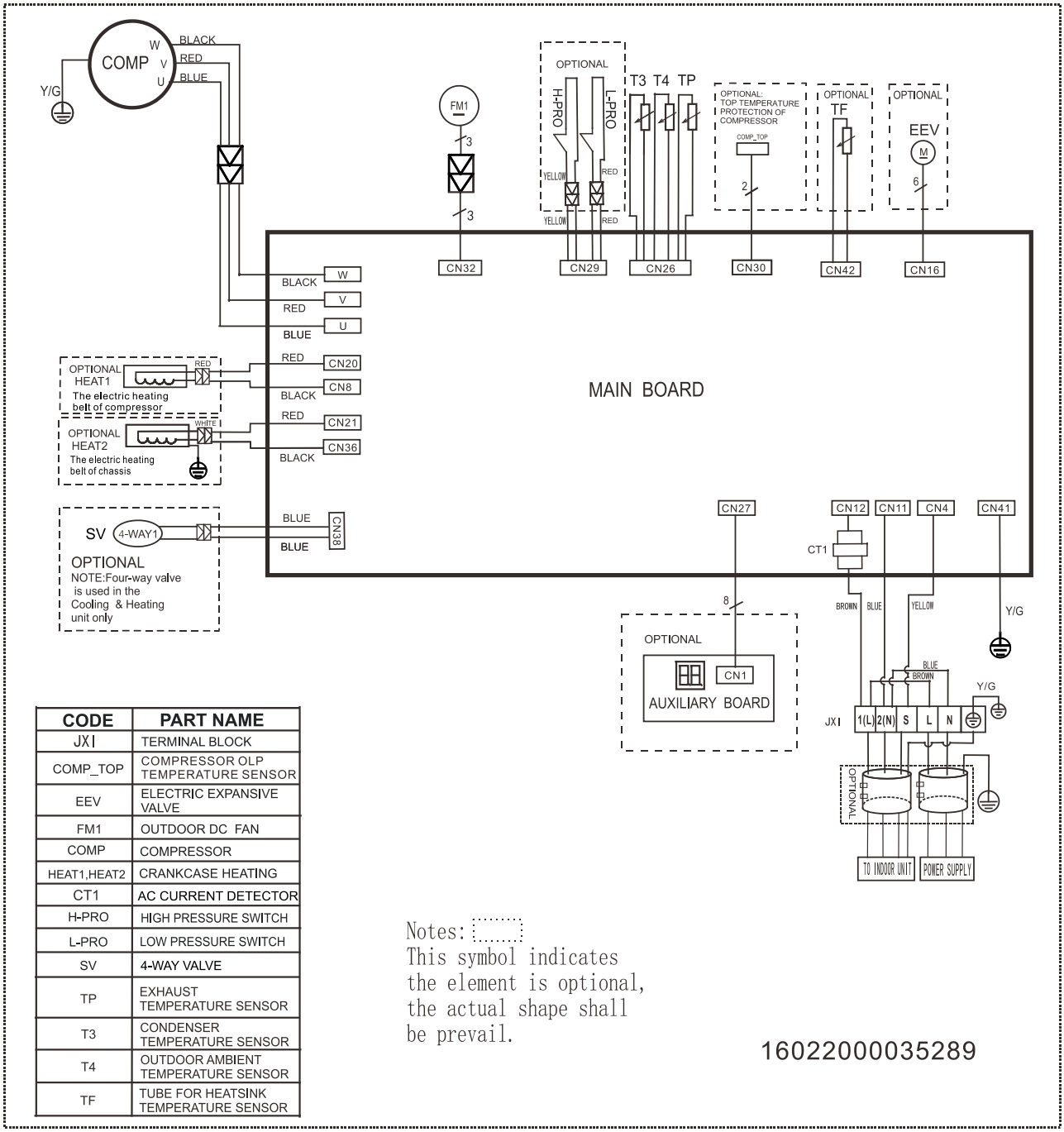
MOX230-09HFN8-QRD1W(GA), MOX230-12HFN8-QRD0W(GA), MOX330U-18HFN8-QRD0W(GA)



MOX430U-24HFN8-QRD1W(GA), MOD30U-30HFN8-QRD1W(GA)



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

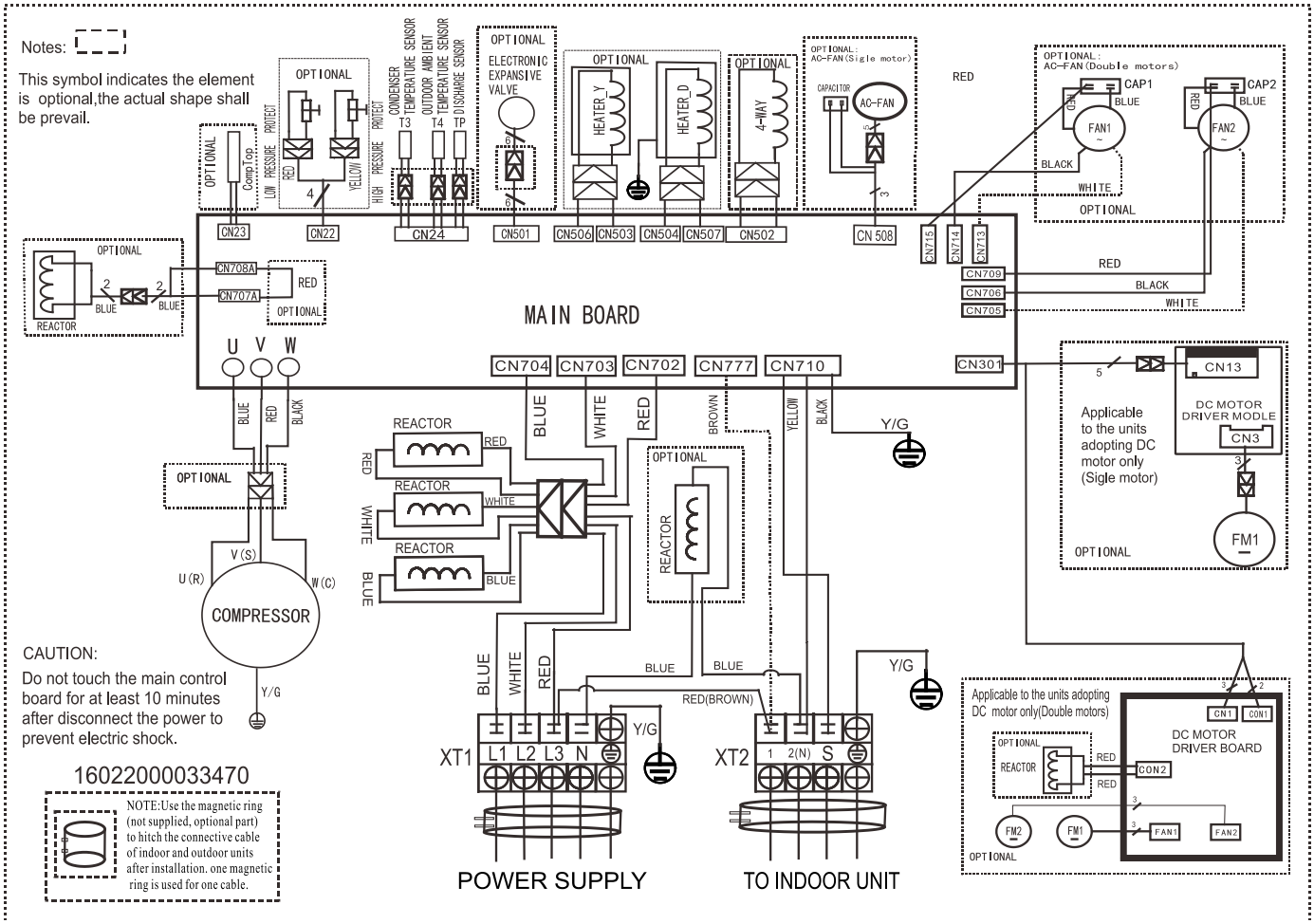


CODE	PART NAME
JX1	TERMINAL BLOCK
COMP_TOP	COMPRESSOR OLP TEMPERATURE SENSOR
EEV	ELECTRIC EXPANSIVE VALVE
FM1	OUTDOOR DC FAN
COMP	COMPRESSOR
HEAT1,HEAT2	CRANKCASE HEATING
CT1	AC CURRENT DETECTOR
H-PRO	HIGH PRESSURE SWITCH
L-PRO	LOW PRESSURE SWITCH
SV	4-WAY VALVE
TP	EXHAUST TEMPERATURE SENSOR
T3	CONDENSER TEMPERATURE SENSOR
T4	OUTDOOR AMBIENT TEMPERATURE SENSOR
TF	TUBE FOR HEATSINK TEMPERATURE SENSOR

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

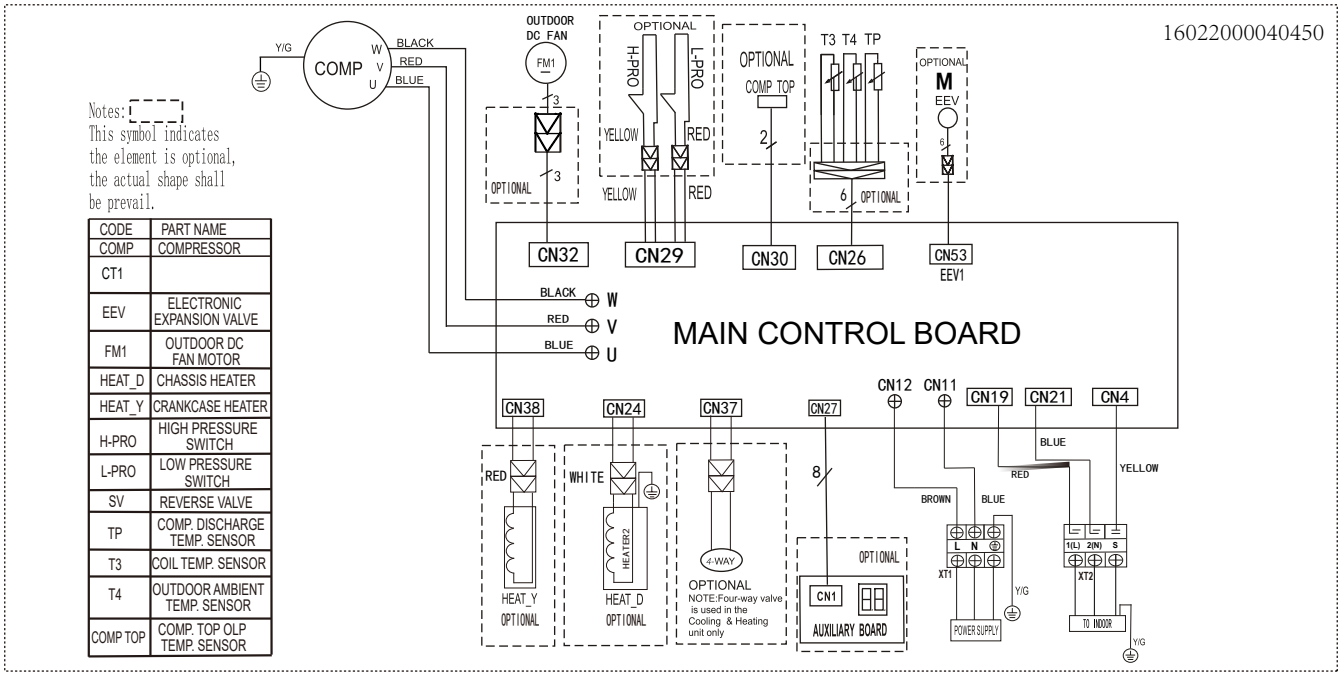
16022000035289

MOD30U-36HFN8-RRD0W(GA)

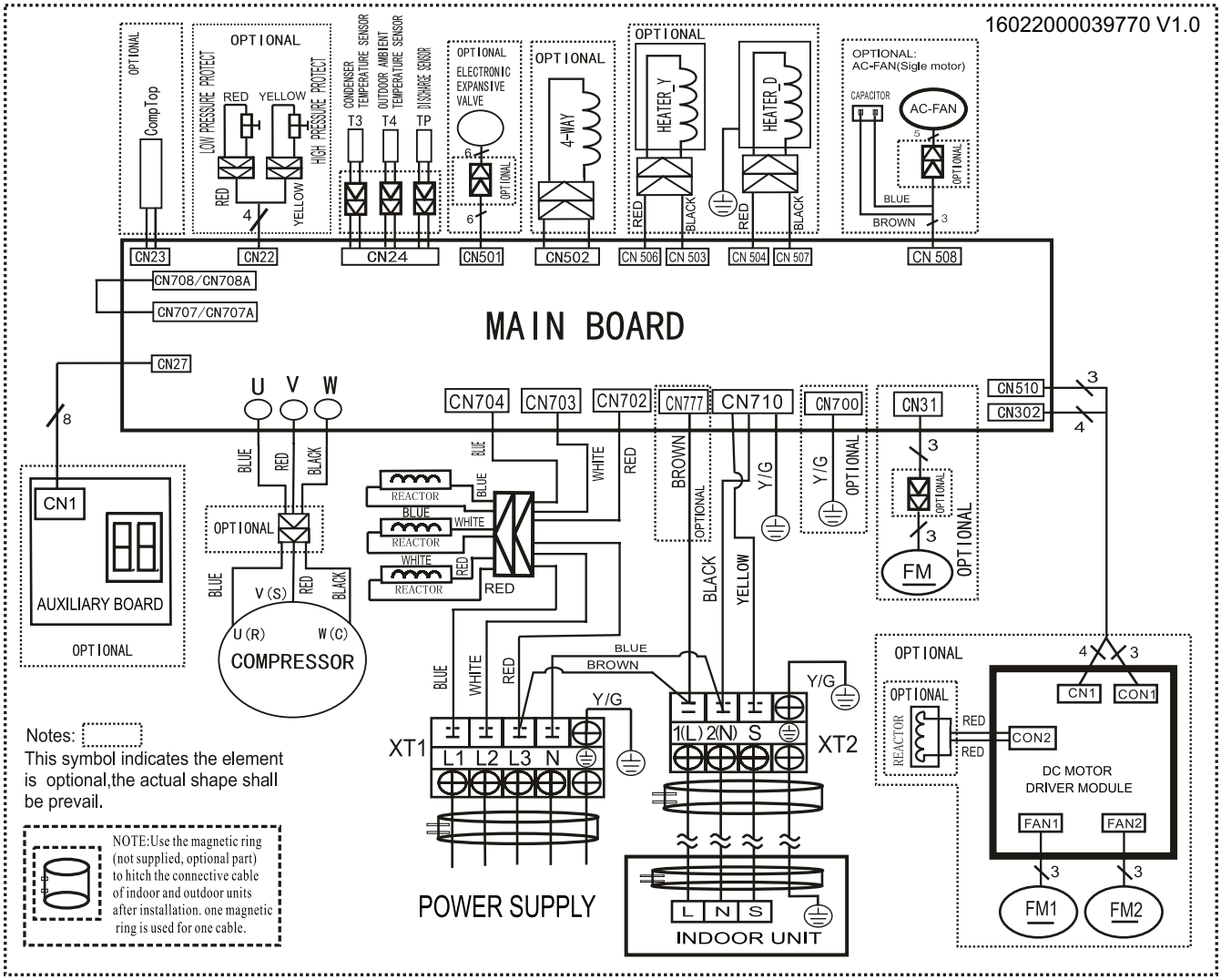


Specifications

MOX630U-48HFN8-QRD0W(GA)

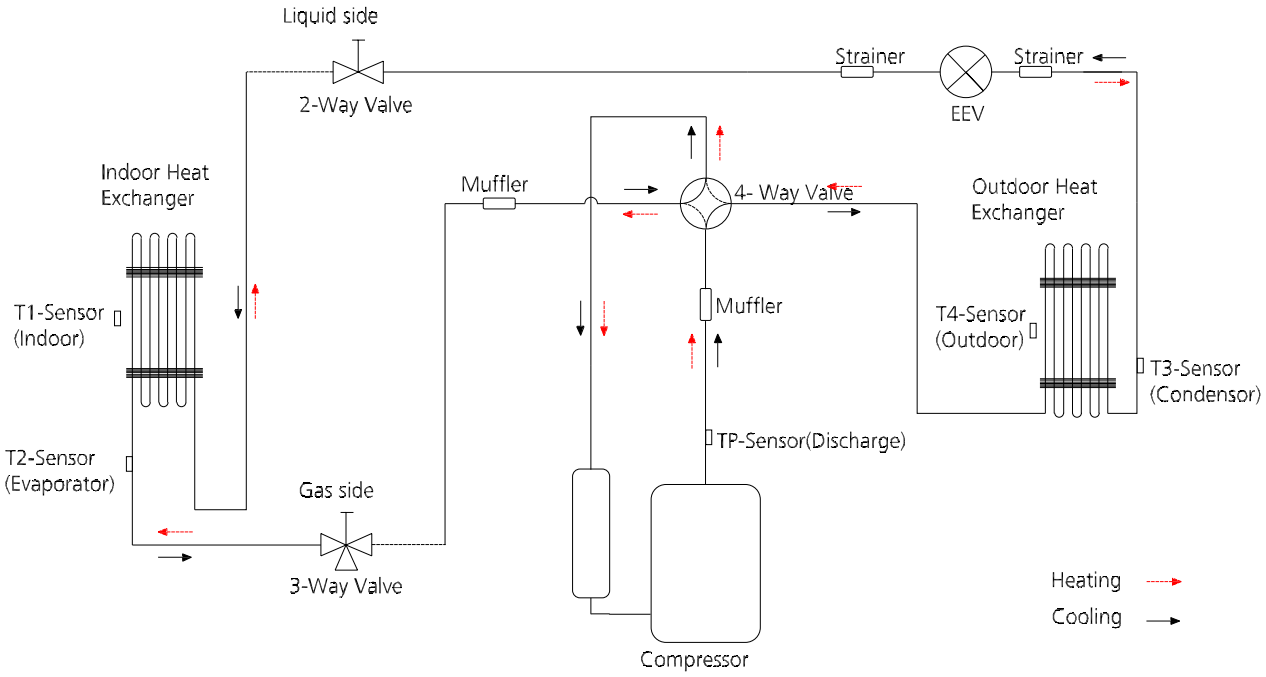


MOX630U-48HFN8-RRD0W(GA), MOX630U-55HFN8-RRD0W(GA)



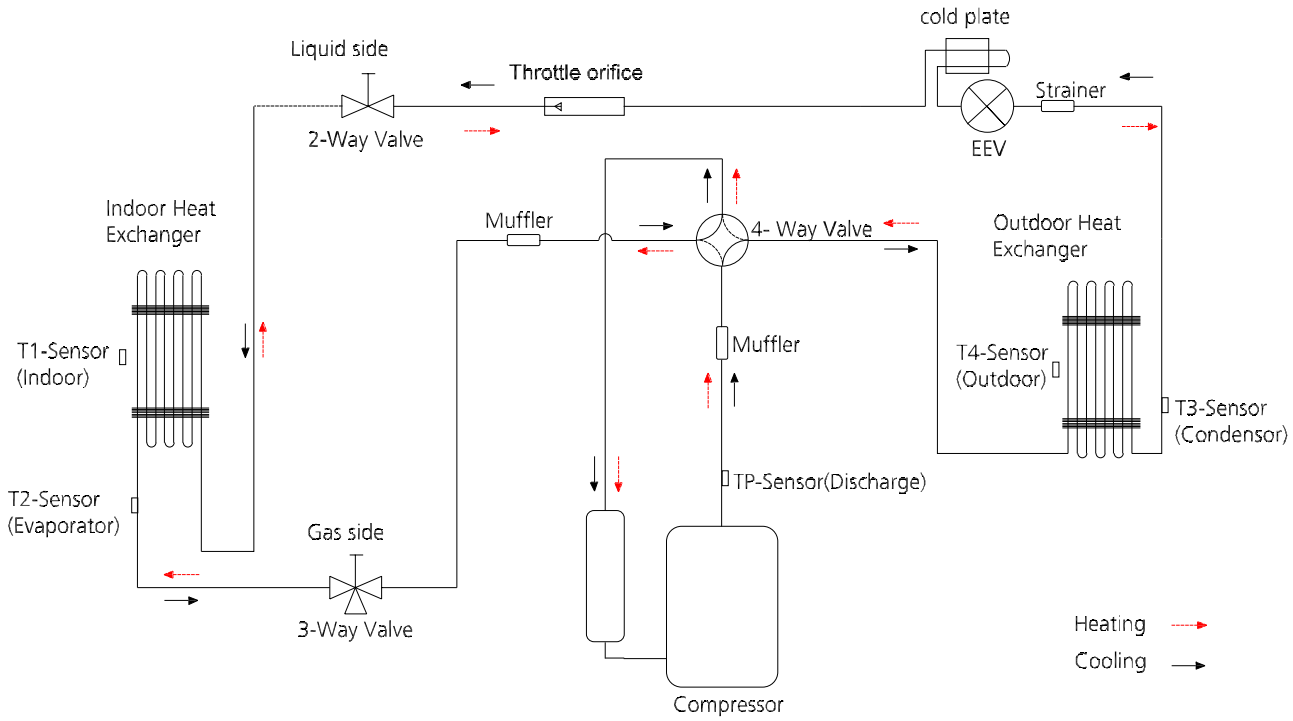
6. Refrigerant Cycle Diagrams

6.1 Heat pump



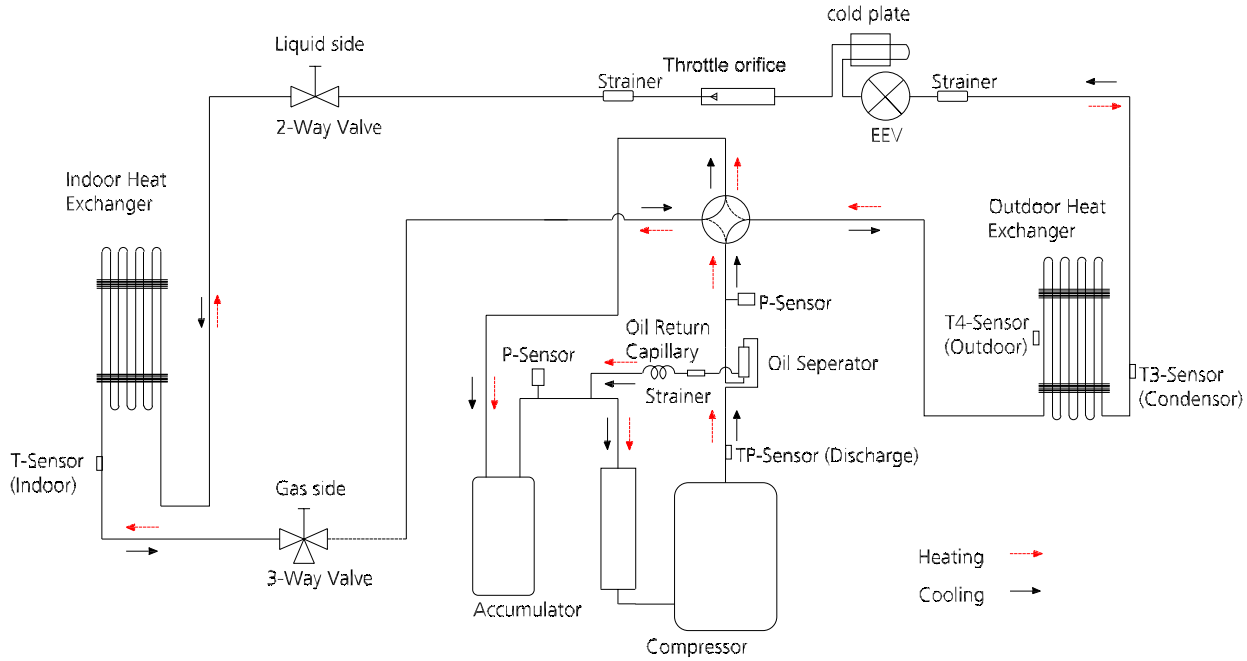
Model	Pipe Size (Diameter:ø) mm(inch)		Piping length (m/ft)		Elevation (m/ft)		Additional Refrigerant
	Gas	Liquid	Rated	Max.	Rated	Max.	
MOX230-09HFN8-QRD1W(GA)	9.52(3/8)	6.35(1/4)	5/16.4	25/82	0	10/32.8	12g/m (0.13oz/ft)
MOX230-12HFN8-QRD0W(GA)	9.52(3/8)	6.35(1/4)	5/16.4	25/82	0	10/32.8	
MOX330U-18HFN8-QRD0W(GA)	12.7(1/2)	6.35(1/4)	5/16.4	30/98.4	0	20/65.6	

For 9k&12k, There is a muffler on the low pressure side only.



Model	Pipe Size (Diameter:ø) mm(inch)		Piping length (m/ft)		Elevation (m/ft)		Additional Refrigerant
	Gas	Liquid	Rated	Max.	Rated	Max.	
MOX430U-24HFN8-QRD1W(GA)	15.9(5/8)	9.52(3/8)	5/16.4	50/164	0	25/82	24g/m (0.26oz/ft)
MOD30U-30HFN8-QRD1W(GA)	15.9(5/8)	9.52(3/8)	5/16.4	50/164	0	25/82	

For 30k, There is a muffler on the discharge pipe only.



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)					
MOX630U-48HFN8-QRD0W(GA)	15.9(5/8)	9.52(3/8)					
MOX630U-48HFN8-RRD0W(GA)	15.9(5/8)	9.52(3/8)					
MOX630U-55HFN8-RRD0W(GA)	15.9(5/8)	9.52(3/8)					

7. Capacity Tables

7.1 Cooling

9k																		
INDOOR AIRFLOW (CMH)	OUTDOOR DB(℃)	ID WB (℃)	16.0				18.0				19.0				22.0			
		ID DB (℃)	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
450	-15	TC	2.75	2.76	2.79	2.82	2.89	2.95	2.98	3.01	2.97	2.97	2.97	2.97	3.14	3.14	3.14	3.14
		S/T	0.76	0.87	0.97	0.97	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	0.49	0.48	0.48	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
	-10	TC	2.73	2.75	2.78	2.81	2.87	2.94	2.96	2.99	2.95	2.95	2.95	2.95	3.13	3.13	3.13	3.13
		S/T	0.77	0.87	0.97	0.97	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	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
	-5	TC	2.71	2.73	2.76	2.79	2.86	2.92	2.95	2.98	2.94	2.94	2.94	2.94	3.12	3.12	3.12	3.12
		S/T	0.77	0.88	0.98	0.98	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	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49
	0	TC	2.70	2.72	2.75	2.78	2.85	2.91	2.94	2.97	2.93	2.93	2.93	2.93	3.12	3.12	3.12	3.12
		S/T	0.77	0.88	0.98	0.98	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	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49
	5	TC	2.69	2.70	2.73	2.76	2.84	2.90	2.93	2.96	2.92	2.92	2.92	2.92	3.11	3.11	3.11	3.11
		S/T	0.78	0.89	0.99	0.99	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	0.49	0.48	0.48	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
	10	TC	2.67	2.69	2.72	2.75	2.83	2.89	2.92	2.95	2.91	2.91	2.91	2.91	3.11	3.11	3.11	3.11
		S/T	0.78	0.89	0.99	0.99	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	0.50	0.49	0.49	0.50	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.50
	15	TC	2.65	2.67	2.70	2.72	2.81	2.87	2.90	2.93	2.89	2.89	2.89	2.89	3.09	3.09	3.09	3.09
		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	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
	20	TC	2.62	2.64	2.67	2.69	2.78	2.78	2.78	2.81	2.87	2.87	2.87	2.87	3.07	3.07	3.07	3.07
		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	0.53	0.52	0.52	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
	25	TC	2.49	2.52	2.55	2.58	2.67	2.67	2.67	2.69	2.72	2.72	2.72	2.72	2.95	2.95	2.95	2.95
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.84	0.95	0.53	0.64	0.76	0.87	0.34	0.44	0.54	0.65
		PI	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
	30	TC	2.38	2.41	2.44	2.46	2.52	2.52	2.52	2.55	2.61	2.61	2.61	2.64	2.81	2.81	2.81	2.81
		S/T	0.82	0.94	1.00	1.00	0.63	0.75	0.87	0.98	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.66
		PI	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64
	35	TC	2.26	2.29	2.32	2.35	2.41	2.41	2.44	2.46	2.49	2.49	2.52	2.55	2.67	2.67	2.67	2.67
		S/T	0.83	0.96	1.00	1.00	0.64	0.76	0.88	1.00	0.54	0.66	0.78	0.90	0.33	0.45	0.56	0.67
		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
	40	TC	2.10	2.13	2.16	2.18	2.23	2.23	2.26	2.28	2.31	2.31	2.33	2.36	2.48	2.48	2.48	2.48
		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	0.58	0.70
		PI	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78
	46	TC	1.95	1.97	2.00	2.03	2.06	2.06	2.09	2.12	2.14	2.14	2.14	2.17	2.31	2.31	2.31	2.31
		S/T	0.88	1.00	1.00	1.00	0.66	0.81	0.95	1.00	0.56	0.70	0.84	0.97	0.33	0.45	0.58	0.71
		PI	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87
	50	TC	1.83	1.86	1.89	1.92	1.95	1.95	1.97	2.00	2.00	2.00	2.00	2.03	2.17	2.17	2.17	2.17
		S/T	0.91	1.00	1.00	1.00	0.68	0.83	0.97	1.00	0.57	0.72	0.87	1.00	0.32	0.46	0.60	0.73
		PI	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.94

540	-15	TC	2.83	2.86	2.89	2.92	2.95	2.95	2.98	3.01	3.03	3.03	3.03	3.06	3.23	3.23	3.23	3.23
		S/T	0.81	0.94	0.98	1.00	0.62	0.74	0.86	0.97	0.53	0.65	0.76	0.88	0.32	0.43	0.54	0.66
		PI	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
	-10	TC	2.81	2.84	2.87	2.90	2.94	2.94	2.96	2.99	3.01	3.01	3.01	3.04	3.22	3.22	3.22	3.22
		S/T	0.82	0.94	0.99	1.00	0.62	0.75	0.86	0.97	0.53	0.65	0.77	0.88	0.32	0.44	0.54	0.66
		PI	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
	-5	TC	2.79	2.82	2.85	2.88	2.92	2.92	2.95	2.98	3.00	3.00	3.00	3.03	3.21	3.21	3.21	3.21
		S/T	0.82	0.95	0.99	1.00	0.62	0.75	0.87	0.98	0.54	0.65	0.77	0.89	0.32	0.44	0.55	0.66
		PI	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
	0	TC	2.78	2.81	2.84	2.87	2.91	2.91	2.94	2.97	2.99	2.99	2.99	3.02	3.21	3.21	3.21	3.21
		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	0.32	0.44	0.55	0.67
		PI	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.50
	5	TC	2.76	2.79	2.82	2.85	2.90	2.90	2.93	2.96	2.98	2.98	2.98	3.01	3.20	3.20	3.20	3.20
		S/T	0.83	0.96	1.00	1.00	0.63	0.76	0.88	0.99	0.54	0.66	0.78	0.90	0.33	0.44	0.55	0.67
		PI	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	10	TC	2.75	2.78	2.81	2.84	2.89	2.89	2.92	2.95	2.97	2.97	2.97	3.00	3.19	3.19	3.19	3.19
		S/T	0.83	0.96	1.00	1.00	0.63	0.76	0.88	0.99	0.54	0.66	0.78	0.90	0.33	0.45	0.55	0.67
		PI	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.51
	15	TC	2.73	2.75	2.78	2.81	2.87	2.87	2.90	2.93	2.95	2.95	2.95	2.98	3.18	3.18	3.18	3.18
		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	0.68
		PI	0.51	0.51	0.51	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
	20	TC	2.70	2.72	2.75	2.78	2.84	2.84	2.87	2.90	2.92	2.92	2.92	2.95	3.15	3.15	3.15	3.15
		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	0.68
		PI	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
	25	TC	2.55	2.58	2.61	2.64	2.72	2.72	2.75	2.78	2.81	2.81	2.81	2.84	3.01	3.01	3.01	3.01
		S/T	0.86	0.99	1.00	1.00	0.65	0.78	0.91	1.00	0.55	0.68	0.81	0.93	0.33	0.45	0.57	0.69
		PI	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
	30	TC	2.44	2.47	2.49	2.52	2.58	2.58	2.61	2.64	2.67	2.67	2.67	2.70	2.87	2.87	2.87	2.87
		S/T	0.87	1.00	1.00	1.00	0.66	0.80	0.93	1.00	0.56	0.69	0.83	0.96	0.33	0.45	0.58	0.71
		PI	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
	35	TC	2.32	2.35	2.38	2.41	2.47	2.47	2.49	2.52	2.55	2.55	2.58	2.61	2.75	2.75	2.75	2.75
		S/T	0.89	1.00	1.00	1.00	0.67	0.81	0.96	1.00	0.56	0.70	0.84	0.98	0.32	0.46	0.59	0.72
		PI	0.70	0.70	0.70	0.70	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
	40	TC	2.20	2.23	2.26	2.29	2.34	2.34	2.37	2.40	2.43	2.43	2.46	2.49	2.62	2.62	2.62	2.62
		S/T	0.94	1.00	1.00	1.00	0.69	0.85	1.00	1.00	0.58	0.73	0.88	1.00	0.32	0.46	0.61	0.75
		PI	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
	46	TC	2.03	2.06	2.08	2.11	2.17	2.17	2.20	2.23	2.26	2.26	2.29	2.32	2.43	2.43	2.43	2.43
		S/T	0.96	1.00	1.00	1.00	0.70	0.87	1.00	1.00	0.58	0.75	0.90	1.00	0.32	0.47	0.62	0.77
		PI	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87
	50	TC	1.91	1.94	1.97	2.00	2.06	2.08	2.11	2.14	2.11	2.11	2.14	2.17	2.29	2.29	2.29	2.29
		S/T	0.99	1.00	1.00	1.00	0.72	0.89	1.00	1.00	0.60	0.77	0.93	1.00	0.31	0.47	0.63	0.91
		PI	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
620	-15	TC	2.89	2.92	2.95	2.98	3.01	3.01	3.04	3.07	3.09	3.09	3.09	3.12	3.29	3.29	3.29	3.29
		S/T	0.85	0.97	1.00	1.00	0.64	0.78	0.92	0.98	0.54	0.68	0.81	0.94	0.32	0.43	0.56	0.69
		PI	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.49
	-10	TC	2.87	2.90	2.93	2.96	2.99	2.99	3.02	3.05	3.07	3.07	3.07	3.10	3.28	3.28	3.28	3.28
		S/T	0.85	0.97	1.00	1.00	0.64	0.79	0.92	0.98	0.54	0.68	0.82	0.94	0.32	0.44	0.56	0.69
		PI	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.49
	-5	TC	2.85	2.88	2.91	2.94	2.98	2.98	3.01	3.04	3.06	3.06	3.06	3.09	3.27	3.27	3.27	3.27
		S/T	0.86	0.98	1.00	1.00	0.64	0.79	0.93	0.99	0.55	0.68	0.82	0.95	0.32	0.44	0.57	0.69
		PI	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.49
	0	TC	2.84	2.87	2.90	2.93	2.97	2.97	3.00	3.03	3.05	3.05	3.05	3.08	3.26	3.26	3.26	3.26
		S/T	0.86	0.98	1.00	1.00	0.65	0.79	0.93	0.99	0.55	0.69	0.82	0.95	0.32	0.44	0.57	0.70
		PI	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	5	TC	2.82	2.85	2.88	2.91	2.96	2.96	2.99	3.02	3.04	3.04	3.04	3.07	3.26	3.26	3.26	3.26
		S/T	0.87	0.99	1.00	1.00	0.65	0.80	0.94	1.00	0.55	0.69	0.83	0.96	0.33	0.44	0.57	0.70
		PI	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.50	0.50	0.50	0.50
	10	TC	2.81	2.84	2.87	2.89	2.95	2.95	2.98	3.00	3.03	3.03	3.03	3.06	3.25	3.25	3.25	3.25
		S/T	0.87	0.99	1.00	1.00	0.65	0.80	0.94	1.00	0.55	0.69	0.83	0.96	0.33	0.45	0.57	0.70
		PI	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
	15	TC	2.78	2.81	2.84	2.87	2.93	2.93	2.96	2.98	3.01	3.01	3.01	3.04	3.24	3.24	3.24	3.24
		S/T	0.88	1.00	1.00	1.00	0.66	0.81	0.95	1.00	0.56	0.70	0.84	0.97	0.33	0.45	0.58	0.71
		PI	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.52
	20	TC	2.75	2.78	2.81	2.84	2.90	2.90	2.92	2.95	2.98	2.98	2.98	3.01	3.21	3.21	3.21	3.21
		S/T	0.88	1.00	1.00	1.00	0.66	0.81	0.95	1.00	0.56	0.70	0.84	0.97	0.33	0.45	0.58	0.71
		PI	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.53	0.53	0.53	0.53
	25	TC	2.61	2.64	2.67	2.70	2.78	2.78	2.81	2.84	2.87	2.87	2.87	2.90	3.07	3.07	3.07	3.07
		S/T	0.90	1.00	1.00	1.00	0.67	0.82	0.97	1.00	0.57	0.71	0.86	1.00	0.32	0.46	0.59	0.73
		PI	0.60	0.60	0.60	0.60	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.60	0.60	0.60	0.60
	30	TC	2.49	2.52	2.55	2.58	2.64	2.64	2.67	2.70	2.72	2.72	2.72	2.75	2.95	2.95	2.95	2.95
		S/T	0.92	1.00	1.00	1.00	0.69	0.84	0.99	1.00	0.57	0.73	0.88	1.00	0.32	0.46	0.60	0.74
		PI	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
	35	TC	2.38	2.41	2.44	2.47	2.52	2.52	2.55	2.58	2.61	2.61	**2.64**	2.67	2.81	2.81	2.81	2.81
		S/T	0.95	1.00	1.00	1.00	0.70	0.86	1.00	1.00	0.58	0.74	**0.89**	1.00	0.32	0.47	0.61	0.76
		PI	0.71	0.71	0.71	0.71	0.72	0.72	0.72	0.72	0.72	0.72	**0.72**	0.72	0.72	0.72	0.72	0.72
	40	TC	2.26	2.29	2.32	2.34	2.40	2.42	2.44	2.47	2.48	2.48	2.51	2.53	2.68	2.68	2.68	2.68
		S/T	1.00	1.00	1.00	1.00	0.72	0.90	1.00	1.00	0.60	0.77	0.94	1.00	0.31	0.47	0.64	0.90
		PI	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
	46	TC	2.08	2.11	2.14	2.17	2.23	2.26	2.29	2.32	2.29	2.29	2.32	2.34	2.49	2.49	2.49	2.49
		S/T	1.00	1.00	1.00	1.00	0.74	0.92	1.00	1.00	0.61	0.79	0.97	1.00	0.31	0.48	0.65	0.92
		PI	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
	50	TC	1.97	2.00	2.03	2.06	2.08	2.11	2.14	2.17	2.17	2.17	2.20	2.23	2.34	2.34	2.34	2.34
		S/T	1.00	1.00	1.00	1.00	0.76	0.95	1.00	1.00	0.62	0.81	1.00	1.00	0.31	0.48	0.66	0.97
		PI	0.94	0.94	0.94	0.94	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.96	0.96	0.96	0.96

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.

12k																		
INDOOR AIRFLOW (CMH)	OUTDOOR DB(℃)	ID WB (℃)	16.0				18.0				19.0				22.0			
		ID DB (℃)	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
470	-15	TC	3.71	3.72	3.75	3.78	3.90	3.96	3.96	3.99	4.00	4.00	4.00	4.00	4.25	4.25	4.25	4.25
		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	0.77	0.78	0.78	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
	-10	TC	3.68	3.70	3.73	3.76	3.87	3.93	3.93	3.96	3.98	3.98	3.98	3.98	4.23	4.23	4.23	4.23
		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	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
	-5	TC	3.66	3.67	3.70	3.73	3.86	3.92	3.92	3.95	3.96	3.96	3.96	3.96	4.22	4.22	4.22	4.22
		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	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
	0	TC	3.64	3.66	3.68	3.71	3.85	3.91	3.91	3.93	3.95	3.95	3.95	3.95	4.22	4.22	4.22	4.22
		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	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78
	5	TC	3.62	3.64	3.67	3.70	3.83	3.89	3.89	3.92	3.94	3.94	3.94	3.94	4.21	4.21	4.21	4.21
		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	0.78	0.78	0.78	0.78	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
	10	TC	3.60	3.61	3.64	3.67	3.81	3.87	3.87	3.90	3.92	3.92	3.92	3.92	4.20	4.20	4.20	4.20
		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	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
	15	TC	3.57	3.59	3.61	3.64	3.79	3.85	3.85	3.88	3.90	3.90	3.90	3.90	4.19	4.19	4.19	4.19
		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	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
	20	TC	3.53	3.54	3.57	3.60	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	0.73	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	0.84	0.84	0.84	0.84	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
	25	TC	3.37	3.37	3.40	3.43	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	0.74	0.83	0.92	1.00	0.59	0.68	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.52	0.60
		PI	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.93	0.93	0.93	0.93
	30	TC	3.20	3.20	3.23	3.26	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	0.75	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	0.60
		PI	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
	35	TC	3.05	3.05	3.08	3.11	3.26	3.26	3.26	3.29	3.34	3.34	3.40	3.34	3.60	3.60	3.60	3.60
		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	0.53	0.61
		PI	1.11	1.11	1.11	1.11	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.13	1.13	1.13	1.13
	40	TC	2.86	2.88	2.91	2.93	3.07	3.07	3.07	3.09	3.15	3.15	3.18	3.15	3.40	3.40	3.40	3.40
		S/T	0.78	0.90	1.00	1.00	0.61	0.72	0.82	0.92	0.53	0.63	0.74	0.84	0.34	0.44	0.53	0.63
		PI	1.22	1.22	1.22	1.22	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.24	1.24	1.24	1.24
	46	TC	2.64	2.67	2.70	2.73	2.85	2.85	2.85	2.87	2.93	2.93	2.93	2.93	3.16	3.16	3.16	3.16
		S/T	0.80	0.91	1.00	1.00	0.61	0.73	0.84	0.94	0.53	0.64	0.75	0.85	0.34	0.44	0.54	0.64
		PI	1.36	1.36	1.36	1.36	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.38	1.38	1.38	1.38
	50	TC	2.50	2.53	2.56	2.59	2.67	2.67	2.67	2.70	2.76	2.76	2.76	2.76	2.99	2.99	2.99	2.99
		S/T	0.82	0.94	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	0.65
		PI	1.47	1.47	1.47	1.47	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.50	1.50	1.50	1.50

570	-15	TC	3.78	3.78	3.81	3.84	3.96	3.96	3.96	3.99	4.06	4.06	4.06	4.06	4.31	4.31	4.31	4.31
		S/T	0.74	0.84	0.98	1.00	0.58	0.68	0.77	0.87	0.50	0.60	0.70	0.79	0.34	0.42	0.51	0.60
		PI	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
	-10	TC	3.76	3.76	3.79	3.82	3.93	3.93	3.93	3.96	4.04	4.04	4.04	4.04	4.29	4.29	4.29	4.29
		S/T	0.75	0.84	0.99	1.00	0.58	0.68	0.78	0.87	0.50	0.60	0.70	0.80	0.34	0.43	0.51	0.60
		PI	0.79	0.79	0.79	0.79	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79
	-5	TC	3.73	3.73	3.76	3.79	3.92	3.92	3.92	3.95	4.02	4.02	4.02	4.02	4.28	4.28	4.28	4.28
		S/T	0.75	0.85	0.99	1.00	0.59	0.68	0.78	0.88	0.51	0.60	0.70	0.80	0.34	0.43	0.52	0.60
		PI	0.79	0.79	0.79	0.79	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79
	0	TC	3.72	3.72	3.75	3.77	3.91	3.91	3.91	3.93	4.01	4.01	4.01	4.01	4.28	4.28	4.28	4.28
		S/T	0.75	0.85	1.00	1.00	0.59	0.69	0.78	0.88	0.51	0.61	0.71	0.80	0.34	0.43	0.52	0.61
		PI	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
	5	TC	3.70	3.70	3.73	3.76	3.89	3.89	3.89	3.92	4.00	4.00	4.00	4.00	4.27	4.27	4.27	4.27
		S/T	0.76	0.86	1.00	1.00	0.59	0.69	0.79	0.89	0.51	0.61	0.71	0.81	0.34	0.43	0.52	0.61
		PI	0.80	0.80	0.80	0.80	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.80	0.80	0.80	0.80
	10	TC	3.67	3.67	3.70	3.73	3.87	3.87	3.87	3.90	3.98	3.98	3.98	3.98	4.26	4.26	4.26	4.26
		S/T	0.76	0.86	1.00	1.00	0.59	0.69	0.79	0.89	0.51	0.61	0.71	0.81	0.35	0.44	0.52	0.61
		PI	0.81	0.81	0.81	0.81	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
	15	TC	3.64	3.64	3.67	3.70	3.85	3.85	3.85	3.88	3.96	3.96	3.96	3.96	4.25	4.25	4.25	4.25
		S/T	0.77	0.87	0.97	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	0.83	0.83	0.83	0.83	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83
	20	TC	3.60	3.60	3.63	3.66	3.81	3.81	3.81	3.83	3.92	3.92	3.92	3.92	4.21	4.21	4.21	4.21
		S/T	0.77	0.87	0.97	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	0.86	0.86	0.86	0.86	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
	25	TC	3.43	3.46	3.49	3.52	3.63	3.63	3.63	3.66	3.75	3.75	3.75	3.75	4.04	4.04	4.04	4.04
		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	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95	0.95	0.95	0.95
	30	TC	3.26	3.29	3.32	3.34	3.49	3.49	3.49	3.52	3.57	3.57	3.57	3.57	3.86	3.86	3.86	3.86
		S/T	0.79	0.91	1.00	1.00	0.61	0.72	0.83	0.94	0.53	0.64	0.75	0.85	0.34	0.44	0.54	0.64
		PI	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
	35	TC	3.11	3.14	3.17	3.20	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	0.81	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	0.65
		PI	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.14	1.13	1.13	1.13	1.13	1.13
	40	TC	2.92	2.95	2.98	3.01	3.11	3.11	3.12	3.15	3.20	3.20	3.23	3.21	3.46	3.46	3.46	3.46
		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	0.67
		PI	1.25	1.25	1.25	1.25	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
	46	TC	2.70	2.73	2.76	2.79	2.88	2.88	2.90	2.93	2.96	2.96	2.96	2.99	3.22	3.22	3.22	3.22
		S/T	0.86	0.99	1.00	1.00	0.65	0.78	0.91	1.00	0.55	0.68	0.81	0.93	0.33	0.45	0.57	0.69
		PI	1.39	1.39	1.39	1.39	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.41	1.41	1.41	1.41
	50	TC	2.53	2.56	2.59	2.62	2.70	2.70	2.73	2.76	2.79	2.79	2.79	2.82	3.05	3.05	3.05	3.05
		S/T	0.88	1.00	1.00	1.00	0.66	0.80	0.94	1.00	0.56	0.70	0.83	0.97	0.33	0.45	0.58	0.91
		PI	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.52	1.52	1.52	1.52	1.53	1.53	1.53	1.53
660	-15	TC	3.84	3.87	3.90	3.93	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	0.77	0.89	1.00	1.00	0.60	0.71	0.82	0.98	0.52	0.63	0.73	0.84	0.33	0.42	0.53	0.63
		PI	0.81	0.81	0.81	0.81	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81
	-10	TC	3.82	3.85	3.88	3.91	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	0.78	0.89	1.00	1.00	0.60	0.72	0.82	0.98	0.52	0.63	0.74	0.84	0.33	0.43	0.53	0.63
		PI	0.81	0.81	0.81	0.81	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81
	-5	TC	3.79	3.82	3.85	3.88	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	0.78	0.90	1.00	1.00	0.60	0.72	0.83	0.99	0.53	0.63	0.74	0.85	0.33	0.43	0.54	0.63
		PI	0.81	0.81	0.81	0.81	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81
	0	TC	3.77	3.80	3.83	3.86	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	0.78	0.90	1.00	1.00	0.61	0.73	0.83	0.99	0.53	0.64	0.74	0.85	0.33	0.43	0.54	0.64
		PI	0.81	0.81	0.81	0.81	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
	5	TC	3.76	3.79	3.82	3.84	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	0.79	0.91	1.00	1.00	0.61	0.73	0.84	1.00	0.53	0.64	0.75	0.86	0.33	0.43	0.54	0.64
		PI	0.82	0.82	0.82	0.82	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82
	10	TC	3.73	3.76	3.79	3.82	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	0.79	0.91	1.00	1.00	0.61	0.73	0.84	1.00	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.64
		PI	0.83	0.83	0.83	0.83	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83
	15	TC	3.70	3.73	3.76	3.79	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	0.80	0.92	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	0.65
		PI	0.85	0.85	0.85	0.85	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85
	20	TC	3.66	3.69	3.72	3.75	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	0.80	0.92	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	0.65
		PI	0.88	0.88	0.88	0.88	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
	25	TC	3.49	3.52	3.55	3.57	3.69	3.69	3.69	3.72	3.81	3.81	3.81	3.83	4.09	4.09	4.09	4.09
		S/T	0.82	0.94	1.00	1.00	0.63	0.75	0.87	0.99	0.54	0.66	0.77	0.89	0.34	0.44	0.55	0.66
		PI	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
	30	TC	3.32	3.34	3.37	3.40	3.55	3.55	3.57	3.60	3.63	3.63	3.63	3.66	3.92	3.92	3.92	3.92
		S/T	0.84	0.97	1.00	1.00	0.64	0.76	0.88	1.00	0.54	0.67	0.79	0.91	0.33	0.45	0.56	0.67
		PI	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.07	1.07	1.07	1.07
	35	TC	3.14	3.17	3.20	3.23	3.37	3.37	3.40	3.43	3.46	3.46	**3.52**	3.55	3.75	3.75	3.75	3.75
		S/T	0.86	0.99	1.00	1.00	0.65	0.78	0.90	1.00	0.55	0.68	**0.80**	0.92	0.33	0.45	0.57	0.69
		PI	1.15	1.15	1.15	1.15	1.16	1.16	1.16	1.16	1.16	1.16	**1.16**	1.16	1.17	1.17	1.17	1.17
	40	TC	2.95	2.98	3.01	3.04	3.17	3.17	3.20	3.23	3.25	3.25	3.29	3.31	3.53	3.53	3.53	3.53
		S/T	0.89	1.00	1.00	1.00	0.67	0.81	0.95	1.00	0.56	0.70	0.84	0.98	0.33	0.46	0.59	0.90
		PI	1.28	1.28	1.28	1.28	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.30	1.30	1.30	1.30
	46	TC	2.73	2.76	2.79	2.82	2.93	2.93	2.96	2.99	3.02	3.02	3.02	3.05	3.28	3.28	3.28	3.28
		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	0.92
		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	1.44	1.44	1.44	1.44
	50	TC	2.59	2.62	2.65	2.67	2.76	2.76	2.79	2.82	2.85	2.85	2.88	2.90	3.08	3.08	3.08	3.08
		S/T	0.94	1.00	1.00	1.00	0.69	0.85	1.00	1.00	0.58	0.73	0.88	1.00	0.32	0.46	0.61	0.97
		PI	1.54	1.54	1.54	1.54	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.56	1.56	1.56	1.56

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.

18k

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
650	-15	TC	5.50	5.50	5.50	5.56	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	0.69	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	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.05	1.05	1.05	1.05
	-10	TC	5.46	5.47	5.47	5.53	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	0.69	0.78	0.85	0.93	0.56	0.64	0.71	0.79	0.49	0.57	0.64	0.72	0.36	0.43	0.49	0.56
		PI	1.06	1.05	1.05	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
	-5	TC	5.43	5.43	5.43	5.49	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	0.69	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	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
	0	TC	5.40	5.41	5.41	5.47	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	0.70	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	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
	5	TC	5.38	5.38	5.38	5.44	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	0.70	0.79	0.87	0.95	0.57	0.65	0.72	0.80	0.50	0.58	0.65	0.73	0.36	0.43	0.50	0.57
		PI	1.07	1.06	1.06	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
	10	TC	5.34	5.35	5.35	5.41	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	0.70	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	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
	15	TC	5.30	5.30	5.30	5.36	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	0.71	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	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10
	20	TC	5.24	5.24	5.24	5.30	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	0.71	0.80	0.88	0.96	0.58	0.66	0.73	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58
		PI	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.14	1.14	1.14	1.14
	25	TC	4.99	4.99	5.04	5.10	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	0.72	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	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
	30	TC	4.76	4.76	4.81	4.87	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	0.73	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	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.40	1.40	1.40	1.40
	35	TC	4.53	4.53	4.59	4.64	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	0.74	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	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.53	1.53	1.53	1.53	1.54	1.54	1.54	1.54
	40	TC	4.23	4.23	4.27	4.31	4.50	4.50	4.50	4.51	4.64	4.64	4.68	4.64	5.01	5.01	5.01	5.01
		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	1.67	1.67	1.67	1.67	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.70	1.70	1.70	1.70
	46	TC	3.92	3.92	3.94	3.97	4.17	4.17	4.17	4.20	4.31	4.31	4.31	4.31	4.65	4.65	4.65	4.65
		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	1.86	1.86	1.86	1.86	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.89	1.89	1.89	1.89
	50	TC	3.66	3.69	3.72	3.75	3.92	3.92	3.92	3.94	4.06	4.06	4.06	4.06	4.40	4.40	4.40	4.40
		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	0.64
		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	2.05	2.05	2.05	2.05
780	-15	TC	5.62	5.62	5.68	5.74	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	0.71	0.81	0.98	1.00	0.57	0.66	0.74	0.84	0.50	0.59	0.68	0.76	0.34	0.42	0.50	0.58
		PI	1.09	1.09	1.09	1.09	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.07	1.07	1.07	1.07
	-10	TC	5.59	5.59	5.65	5.71	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	0.72	0.82	0.99	1.00	0.57	0.66	0.75	0.84	0.50	0.59	0.68	0.77	0.34	0.43	0.50	0.58
		PI	1.08	1.08	1.08	1.08	1.07	1.07	1.07	1.07	1.08	1.08	1.08	1.08	1.07	1.07	1.07	1.07
	-5	TC	5.56	5.56	5.62	5.67	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	0.72	0.82	0.99	1.00	0.58	0.66	0.75	0.85	0.51	0.59	0.68	0.77	0.34	0.43	0.51	0.59
		PI	1.08	1.08	1.08	1.08	1.07	1.07	1.07	1.07	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
	0	TC	5.53	5.53	5.59	5.65	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	0.73	0.82	1.00	1.00	0.58	0.67	0.75	0.85	0.51	0.60	0.69	0.77	0.34	0.43	0.51	0.59
		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	5.50	5.50	5.56	5.62	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	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.86	0.51	0.60	0.69	0.78	0.34	0.43	0.51	0.59
		PI	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
	10	TC	5.47	5.47	5.53	5.58	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	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.86	0.51	0.60	0.69	0.78	0.35	0.44	0.51	0.59
		PI	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10
	15	TC	5.42	5.42	5.48	5.54	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	0.74	0.84	0.93	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	1.14	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
	20	TC	5.36	5.36	5.42	5.48	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	0.74	0.84	0.93	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	1.18	1.18	1.18	1.18	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.16	1.16	1.16	1.16
	25	TC	5.10	5.10	5.16	5.22	5.42	5.42	5.42	5.48	5.59	5.59	5.59	5.59	6.02	6.02	6.02	6.02
		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	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	4.87	4.87	4.93	4.99	5.19	5.19	5.19	5.25	5.33	5.33	5.33	5.33	5.76	5.76	5.76	5.76
		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	1.41	1.41	1.41	1.41	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
	35	TC	4.62	4.67	4.73	4.79	4.93	4.93	4.93	4.99	5.07	5.07	5.16	5.07	5.48	5.48	5.48	5.48
		S/T	0.78	0.89	1.00	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.84	0.34	0.44	0.53	0.63
		PI	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56
	40	TC	4.34	4.39	4.43	4.47	4.63	4.63	4.63	4.69	4.77	4.77	4.82	4.80	5.16	5.16	5.16	5.16
		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	0.65
		PI	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.72	1.72	1.72	1.72	1.73	1.73	1.73	1.73
	46	TC	4.03	4.06	4.09	4.12	4.29	4.29	4.29	4.34	4.43	4.43	4.43	4.49	4.80	4.80	4.80	4.80
		S/T	0.82	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	0.66
		PI	1.90	1.90	1.90	1.90	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.93	1.93	1.93	1.93
	50	TC	3.77	3.80	3.83	3.86	4.03	4.03	4.06	4.09	4.17	4.17	4.17	4.20	4.52	4.52	4.52	4.52
		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	0.91
		PI	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.09	2.09	2.09	2.09

900	-15	TC	5.74	5.74	5.80	5.86	6.05	6.05	6.05	6.11	6.20	6.20	6.20	6.20	6.57	6.57	6.57	6.57
		S/T	0.74	0.85	1.00	1.00	0.58	0.69	0.78	0.98	0.51	0.61	0.70	0.80	0.34	0.42	0.51	0.61
		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	1.10	1.10	1.10	1.10
	-10	TC	5.71	5.71	5.77	5.83	6.02	6.02	6.02	6.08	6.17	6.17	6.17	6.17	6.55	6.55	6.55	6.55
		S/T	0.75	0.85	1.00	1.00	0.58	0.69	0.79	0.98	0.51	0.61	0.71	0.81	0.34	0.43	0.51	0.61
		PI	1.10	1.10	1.10	1.10	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10
	-5	TC	5.67	5.67	5.73	5.79	6.00	6.00	6.00	6.06	6.15	6.15	6.15	6.15	6.53	6.53	6.53	6.53
		S/T	0.75	0.86	1.00	1.00	0.59	0.69	0.79	0.99	0.52	0.61	0.71	0.81	0.34	0.43	0.52	0.61
		PI	1.10	1.10	1.10	1.10	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10
	0	TC	5.65	5.65	5.71	5.76	5.97	5.97	5.97	6.03	6.13	6.13	6.13	6.13	6.53	6.53	6.53	6.53
		S/T	0.75	0.86	1.00	1.00	0.59	0.70	0.79	0.99	0.52	0.62	0.72	0.81	0.34	0.43	0.52	0.62
		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	5.62	5.62	5.68	5.74	5.95	5.95	5.95	6.01	6.11	6.11	6.11	6.11	6.52	6.52	6.52	6.52
		S/T	0.76	0.87	1.00	1.00	0.59	0.70	0.80	1.00	0.52	0.62	0.72	0.82	0.34	0.43	0.52	0.62
		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
	10	TC	5.58	5.58	5.64	5.70	5.92	5.92	5.92	5.98	6.09	6.09	6.09	6.09	6.51	6.51	6.51	6.51
		S/T	0.76	0.87	1.00	1.00	0.59	0.70	0.80	1.00	0.52	0.62	0.72	0.82	0.35	0.44	0.52	0.62
		PI	1.13	1.13	1.13	1.13	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.13	1.13	1.13	1.13
	15	TC	5.54	5.54	5.60	5.65	5.88	5.88	5.88	5.94	6.05	6.05	6.05	6.05	6.48	6.48	6.48	6.48
		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	0.63
		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	1.15	1.15	1.15	1.15
	20	TC	5.48	5.48	5.53	5.59	5.82	5.82	5.82	5.88	5.99	5.99	5.99	5.99	6.42	6.42	6.42	6.42
		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	0.63
		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	5.22	5.28	5.33	5.39	5.56	5.56	5.56	5.62	5.73	5.73	5.73	5.73	6.16	6.16	6.16	6.16
		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	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32
	30	TC	4.99	5.05	5.10	5.16	5.30	5.30	5.30	5.36	5.45	5.45	5.45	5.45	5.88	5.88	5.88	5.88
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.85	0.95	0.53	0.64	0.76	0.87	0.34	0.44	0.54	0.65
		PI	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
	35	TC	4.73	4.79	4.85	4.90	5.05	5.05	5.05	5.10	5.19	5.19	**5.28**	5.33	5.59	5.59	5.59	5.59
		S/T	0.82	0.94	1.00	1.00	0.63	0.75	0.87	0.98	0.54	0.65	**0.77**	0.88	0.34	0.44	0.55	0.66
		PI	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.59	1.59	**1.59**	1.59	1.60	1.60	1.60	1.60
	40	TC	4.44	4.49	4.53	4.58	4.74	4.74	4.77	4.83	4.89	4.89	4.93	4.99	5.27	5.27	5.27	5.27
		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	0.90
		PI	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.75	1.75	1.75	1.75	1.76	1.76	1.76	1.76
	46	TC	4.12	4.14	4.17	4.20	4.40	4.40	4.46	4.52	4.54	4.54	4.54	4.60	4.92	4.92	4.92	4.92
		S/T	0.87	1.00	1.00	1.00	0.65	0.79	0.92	1.00	0.55	0.69	0.82	0.94	0.33	0.45	0.57	0.92
		PI	1.93	1.93	1.93	1.93	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96
	50	TC	3.86	3.89	3.92	3.94	4.12	4.12	4.14	4.17	4.26	4.26	4.26	4.29	4.63	4.63	4.63	4.63
		S/T	0.89	1.00	1.00	1.00	0.67	0.81	0.96	1.00	0.56	0.70	0.84	0.98	0.33	0.46	0.58	0.97
		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	2.13	2.13	2.13	2.13

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(℃)	ID WB (℃)	16.0				18.0				19.0				22.0			
		ID DB (℃)	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
700	-15	TC	7.35	7.34	7.34	7.34	7.73	7.88	7.88	7.88	7.93	7.93	7.93	7.93	8.40	8.40	8.40	8.40
		S/T	0.67	0.72	0.79	0.86	0.55	0.61	0.67	0.73	0.49	0.55	0.62	0.68	0.38	0.42	0.48	0.54
		PI	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.50	1.50	1.50	1.50
	-10	TC	7.31	7.30	7.30	7.30	7.69	7.84	7.84	7.84	7.89	7.89	7.89	7.89	8.37	8.37	8.37	8.37
		S/T	0.67	0.73	0.80	0.86	0.55	0.61	0.67	0.74	0.49	0.55	0.62	0.68	0.38	0.43	0.49	0.54
		PI	1.50	1.51	1.51	1.51	1.50	1.50	1.50	1.50	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
	-5	TC	7.26	7.26	7.26	7.26	7.66	7.81	7.81	7.81	7.86	7.86	7.86	7.86	8.35	8.35	8.35	8.35
		S/T	0.67	0.73	0.80	0.87	0.56	0.62	0.67	0.74	0.50	0.56	0.62	0.68	0.38	0.43	0.49	0.55
		PI	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
	0	TC	7.23	7.22	7.22	7.22	7.63	7.78	7.78	7.78	7.84	7.84	7.84	7.84	8.34	8.34	8.34	8.34
		S/T	0.68	0.74	0.80	0.87	0.56	0.62	0.68	0.74	0.50	0.56	0.63	0.69	0.38	0.43	0.49	0.55
		PI	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
	5	TC	7.19	7.18	7.18	7.18	7.60	7.75	7.75	7.75	7.82	7.82	7.82	7.82	8.34	8.34	8.34	8.34
		S/T	0.68	0.74	0.81	0.88	0.56	0.62	0.68	0.75	0.50	0.56	0.63	0.69	0.38	0.43	0.49	0.55
		PI	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52
	10	TC	7.15	7.14	7.14	7.14	7.56	7.71	7.71	7.71	7.79	7.79	7.79	7.79	8.31	8.31	8.31	8.31
		S/T	0.68	0.74	0.81	0.88	0.56	0.62	0.68	0.75	0.50	0.56	0.63	0.69	0.39	0.44	0.50	0.55
		PI	1.55	1.55	1.55	1.55	1.54	1.54	1.54	1.54	1.55	1.55	1.55	1.55	1.54	1.54	1.54	1.54
	15	TC	7.09	7.08	7.08	7.08	7.51	7.66	7.66	7.66	7.74	7.74	7.74	7.74	8.28	8.28	8.28	8.28
		S/T	0.69	0.75	0.82	0.89	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	1.59	1.59	1.59	1.59	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
	20	TC	7.01	7.00	7.00	7.00	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	0.69	0.75	0.82	0.89	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	1.64	1.64	1.64	1.64	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.62	1.62	1.62	1.62
	25	TC	6.69	6.69	6.69	6.74	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	0.69	0.76	0.83	0.90	0.57	0.64	0.70	0.77	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
	30	TC	6.37	6.37	6.37	6.43	6.77	6.77	6.77	6.77	6.97	6.97	6.97	6.97	7.52	7.52	7.52	7.52
		S/T	0.70	0.77	0.84	0.91	0.57	0.64	0.71	0.78	0.51	0.58	0.65	0.71	0.38	0.44	0.50	0.56
		PI	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00
	35	TC	6.06	6.06	6.06	6.11	6.43	6.43	6.43	6.43	6.63	6.63	6.74	6.63	7.17	7.17	7.17	7.17
		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	2.16	2.16	2.16	2.16	2.17	2.17	2.17	2.17	2.18	2.18	2.18	2.18	2.19	2.19	2.19	2.19
	40	TC	5.71	5.71	5.74	5.80	6.07	6.07	6.07	6.07	6.27	6.27	6.34	6.27	6.78	6.78	6.78	6.78
		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	2.39	2.39	2.39	2.39	2.40	2.40	2.40	2.40	2.41	2.41	2.41	2.41	2.42	2.42	2.42	2.42
	46	TC	5.29	5.29	5.35	5.40	5.63	5.63	5.63	5.63	5.83	5.83	5.83	5.83	6.29	6.29	6.29	6.29
		S/T	0.73	0.81	0.90	0.98	0.58	0.66	0.75	0.83	0.51	0.59	0.68	0.76	0.36	0.44	0.51	0.59
		PI	2.66	2.66	2.66	2.66	2.67	2.67	2.67	2.67	2.68	2.68	2.68	2.68	2.70	2.70	2.70	2.70
	50	TC	4.94	4.94	5.00	5.06	5.29	5.29	5.29	5.29	5.49	5.49	5.49	5.49	5.95	5.95	5.95	5.95
		S/T	0.74	0.83	0.92	1.00	0.59	0.68	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.52	0.59
		PI	2.88	2.88	2.88	2.88	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.93	2.93	2.93	2.93

1000	-15	TC	7.50	7.50	7.56	7.65	7.88	7.88	7.88	7.88	8.09	8.09	8.09	8.09	8.58	8.58	8.58	8.58
		S/T	0.71	0.80	0.98	1.00	0.57	0.66	0.73	0.82	0.50	0.58	0.67	0.74	0.35	0.42	0.50	0.58
		PI	1.55	1.55	1.55	1.55	1.54	1.54	1.54	1.54	1.55	1.55	1.55	1.55	1.54	1.54	1.54	1.54
	-10	TC	7.45	7.45	7.51	7.60	7.84	7.84	7.84	7.84	8.05	8.05	8.05	8.05	8.55	8.55	8.55	8.55
		S/T	0.72	0.81	0.99	1.00	0.57	0.66	0.74	0.82	0.50	0.58	0.67	0.75	0.35	0.43	0.50	0.58
		PI	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
	-5	TC	7.41	7.41	7.47	7.56	7.81	7.81	7.81	7.81	8.02	8.02	8.02	8.02	8.53	8.53	8.53	8.53
		S/T	0.72	0.81	0.99	1.00	0.58	0.66	0.74	0.83	0.51	0.59	0.67	0.75	0.35	0.43	0.51	0.59
		PI	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
	0	TC	7.37	7.37	7.43	7.52	7.78	7.78	7.78	7.78	7.99	7.99	7.99	7.99	8.52	8.52	8.52	8.52
		S/T	0.73	0.81	1.00	1.00	0.58	0.67	0.74	0.83	0.51	0.59	0.68	0.75	0.35	0.43	0.51	0.59
		PI	1.55	1.55	1.55	1.55	1.54	1.54	1.54	1.54	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
	5	TC	7.33	7.33	7.39	7.48	7.75	7.75	7.75	7.75	7.97	7.97	7.97	7.97	8.51	8.51	8.51	8.51
		S/T	0.73	0.82	1.00	1.00	0.58	0.67	0.75	0.84	0.51	0.59	0.68	0.76	0.35	0.43	0.51	0.59
		PI	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56
	10	TC	7.29	7.29	7.35	7.44	7.71	7.71	7.71	7.71	7.93	7.93	7.93	7.93	8.49	8.49	8.49	8.49
		S/T	0.73	0.82	1.00	1.00	0.58	0.67	0.75	0.84	0.51	0.59	0.68	0.76	0.36	0.44	0.51	0.59
		PI	1.59	1.59	1.59	1.59	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
	15	TC	7.23	7.23	7.29	7.38	7.66	7.66	7.66	7.66	7.89	7.89	7.89	7.89	8.46	8.46	8.46	8.46
		S/T	0.74	0.83	0.92	1.00	0.59	0.68	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.52	0.60
		PI	1.63	1.63	1.63	1.63	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62
	20	TC	7.15	7.15	7.21	7.29	7.58	7.58	7.58	7.58	7.81	7.81	7.81	7.81	8.38	8.38	8.38	8.38
		S/T	0.74	0.83	0.92	1.00	0.59	0.68	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.52	0.60
		PI	1.68	1.68	1.68	1.68	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.66	1.66	1.66	1.66
	25	TC	6.83	6.83	6.89	6.95	7.26	7.26	7.26	7.26	7.46	7.46	7.46	7.46	8.04	8.04	8.04	8.04
		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	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
	30	TC	6.52	6.52	6.57	6.63	6.92	6.92	6.92	6.98	7.12	7.12	7.12	7.12	7.69	7.69	7.69	7.69
		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	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.05
	35	TC	6.17	6.17	6.23	6.29	6.57	6.57	6.57	6.63	6.78	6.78	6.89	6.78	7.32	7.32	7.32	7.32
		S/T	0.77	0.88	0.98	1.00	0.60	0.70	0.81	0.91	0.53	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	2.21	2.21	2.21	2.21	2.22	2.22	2.22	2.22	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23
	40	TC	5.77	5.80	5.86	5.91	6.15	6.15	6.15	6.20	6.35	6.35	6.41	6.35	6.86	6.86	6.86	6.86
		S/T	0.80	0.91	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	2.44	2.44	2.44	2.44	2.45	2.45	2.45	2.45	2.46	2.46	2.46	2.46	2.47	2.47	2.47	2.47
	46	TC	5.35	5.41	5.47	5.53	5.70	5.70	5.70	5.75	5.90	5.90	5.90	5.90	6.38	6.38	6.38	6.38
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.86	0.97	0.54	0.65	0.76	0.87	0.34	0.44	0.55	0.65
		PI	2.72	2.72	2.72	2.72	2.73	2.73	2.73	2.73	2.74	2.74	2.74	2.74	2.76	2.76	2.76	2.76
	50	TC	5.01	5.07	5.13	5.18	5.35	5.35	5.35	5.41	5.55	5.55	5.55	5.61	6.01	6.01	6.01	6.01
		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	0.34	0.45	0.56	0.91
		PI	2.95	2.95	2.95	2.95	2.96	2.96	2.96	2.96	2.97	2.97	2.97	2.97	2.99	2.99	2.99	2.99
1200	-15	TC	7.68	7.68	7.77	7.86	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	0.74	0.85	1.00	1.00	0.59	0.69	0.78	0.98	0.51	0.61	0.70	0.80	0.34	0.42	0.51	0.61
		PI	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.57	1.57	1.57	1.57	1.58	1.58	1.58	1.58
	-10	TC	7.63	7.63	7.72	7.81	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	0.75	0.85	1.00	1.00	0.59	0.69	0.79	0.98	0.51	0.61	0.71	0.81	0.34	0.43	0.51	0.61
		PI	1.57	1.57	1.57	1.57	1.58	1.58	1.58	1.58	1.57	1.57	1.57	1.57	1.58	1.58	1.58	1.58
	-5	TC	7.59	7.59	7.68	7.77	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	0.75	0.86	1.00	1.00	0.59	0.69	0.79	0.99	0.52	0.61	0.71	0.81	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	1.57	1.57	1.57	1.57	1.58	1.58	1.58	1.58
	0	TC	7.55	7.55	7.64	7.73	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	0.75	0.86	1.00	1.00	0.60	0.70	0.79	0.99	0.52	0.62	0.72	0.81	0.34	0.43	0.52	0.62
		PI	1.57	1.57	1.57	1.57	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.59	1.59	1.59	1.59
	5	TC	7.51	7.51	7.60	7.69	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	0.76	0.87	1.00	1.00	0.60	0.70	0.80	1.00	0.52	0.62	0.72	0.82	0.34	0.43	0.52	0.62
		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	1.60	1.60	1.60	1.60
	10	TC	7.47	7.47	7.55	7.64	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	0.76	0.87	1.00	1.00	0.60	0.70	0.80	1.00	0.52	0.62	0.72	0.82	0.35	0.44	0.52	0.62
		PI	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.61	1.61	1.61	1.61	1.62	1.62	1.62	1.62
	15	TC	7.40	7.40	7.49	7.58	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	0.77	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	1.65	1.65	1.65	1.65	1.66	1.66	1.66	1.66	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65
	20	TC	7.32	7.32	7.41	7.49	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	0.77	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	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
	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	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.64	0.74	0.85	0.34	0.44	0.54	0.64
		PI	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
	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	0.80	0.92	1.00	1.00	0.62	0.73	0.85	0.96	0.53	0.64	0.75	0.87	0.34	0.44	0.54	0.65
		PI	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08
	35	TC	6.32	6.37	6.43	6.49	6.72	6.72	6.72	6.78	6.92	6.92	**7.03**	7.09	7.46	7.46	7.46	7.46
		S/T	0.82	0.94	1.00	1.00	0.63	0.75	0.87	0.98	0.54	0.66	**0.77**	0.88	0.34	0.44	0.55	0.66
		PI	2.26	2.26	2.26	2.26	2.27	2.27	2.27	2.27	2.28	2.28	**2.28**	2.28	2.29	2.29	2.29	2.29
	40	TC	5.90	5.96	6.02	6.07	6.29	6.29	6.32	6.37	6.48	6.48	6.54	6.60	7.00	7.00	7.00	7.00
		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	0.90
		PI	2.50	2.50	2.50	2.50	2.51	2.51	2.51	2.51	2.52	2.52	2.52	2.52	2.53	2.53	2.53	2.53
	46	TC	5.47	5.53	5.58	5.64	5.84	5.84	5.90	5.95	6.01	6.01	6.01	6.07	6.52	6.52	6.52	6.52
		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	0.92
		PI	2.78	2.78	2.78	2.78	2.79	2.79	2.79	2.79	2.80	2.80	2.80	2.80	2.82	2.82	2.82	2.82
	50	TC	5.13	5.18	5.24	5.30	5.47	5.47	5.53	5.58	5.67	5.67	5.67	5.73	6.12	6.12	6.12	6.12
		S/T	0.89	1.00	1.00	1.00	0.67	0.81	0.95	1.00	0.56	0.70	0.84	0.98	0.33	0.46	0.59	0.97
		PI	3.02	3.02	3.02	3.02	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.05	3.05	3.05	3.05

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(℃)	ID WB (℃)	16.0				18.0				19.0				22.0			
		ID DB (℃)	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
900	-15	TC	9.20	9.22	9.22	9.31	9.68	9.89	9.89	9.89	9.90	9.90	9.90	9.90	10.52	10.52	10.52	10.52
		S/T	0.67	0.73	0.80	0.86	0.55	0.61	0.68	0.73	0.49	0.56	0.62	0.68	0.37	0.42	0.48	0.54
		PI	1.86	1.86	1.86	1.86	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	9.15	9.16	9.16	9.25	9.62	9.83	9.83	9.83	9.85	9.85	9.85	9.85	10.49	10.49	10.49	10.49
		S/T	0.67	0.74	0.81	0.86	0.55	0.62	0.68	0.74	0.49	0.56	0.62	0.68	0.37	0.43	0.49	0.54
		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
	-5	TC	9.09	9.11	9.11	9.20	9.59	9.80	9.80	9.80	9.82	9.82	9.82	9.82	10.46	10.46	10.46	10.46
		S/T	0.67	0.74	0.81	0.87	0.56	0.62	0.68	0.74	0.50	0.57	0.62	0.68	0.37	0.43	0.49	0.55
		PI	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.84	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
	0	TC	9.05	9.06	9.06	9.15	9.55	9.76	9.76	9.76	9.79	9.79	9.79	9.79	10.45	10.45	10.45	10.45
		S/T	0.68	0.74	0.81	0.87	0.56	0.62	0.69	0.74	0.50	0.57	0.63	0.69	0.37	0.43	0.49	0.55
		PI	1.85	1.85	1.85	1.86	1.85	1.85	1.85	1.85	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86
	5	TC	9.00	9.02	9.02	9.11	9.51	9.72	9.72	9.72	9.76	9.76	9.76	9.76	10.44	10.44	10.44	10.44
		S/T	0.68	0.75	0.82	0.88	0.56	0.62	0.69	0.75	0.50	0.57	0.63	0.69	0.37	0.43	0.49	0.55
		PI	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87
	10	TC	8.95	8.96	8.96	9.05	9.47	9.68	9.68	9.68	9.72	9.72	9.72	9.72	10.42	10.42	10.42	10.42
		S/T	0.68	0.75	0.82	0.88	0.56	0.63	0.69	0.75	0.50	0.57	0.63	0.69	0.38	0.44	0.50	0.55
		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	1.90	1.90	1.90	1.90
	15	TC	8.87	8.89	8.89	8.98	9.41	9.61	9.61	9.61	9.66	9.66	9.66	9.66	10.37	10.37	10.37	10.37
		S/T	0.69	0.76	0.83	0.89	0.57	0.63	0.70	0.76	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	20	TC	8.77	8.79	8.79	8.88	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	0.69	0.76	0.83	0.89	0.57	0.63	0.70	0.76	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00
	25	TC	8.36	8.36	8.36	8.44	8.90	8.90	8.90	8.90	9.16	9.16	9.16	9.16	9.85	9.85	9.85	9.85
		S/T	0.69	0.77	0.84	0.91	0.57	0.64	0.71	0.77	0.51	0.58	0.64	0.71	0.38	0.44	0.50	0.56
		PI	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
	30	TC	7.98	7.98	7.98	8.07	8.47	8.47	8.47	8.47	8.73	8.73	8.73	8.73	9.42	9.42	9.42	9.42
		S/T	0.70	0.77	0.85	0.92	0.57	0.64	0.71	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.45	2.45	2.45	2.45	2.46	2.46	2.46	2.46
	35	TC	7.58	7.58	7.58	7.67	8.07	8.07	8.07	8.07	8.33	8.33	8.44	8.33	8.96	8.96	8.96	8.96
		S/T	0.71	0.79	0.87	0.94	0.57	0.65	0.72	0.80	0.51	0.58	0.65	0.73	0.37	0.44	0.50	0.57
		PI	2.66	2.66	2.66	2.66	2.67	2.67	2.67	2.67	2.68	2.68	2.68	2.68	2.69	2.69	2.69	2.69
	40	TC	7.12	7.12	7.14	7.21	7.59	7.59	7.59	7.59	7.82	7.82	7.88	7.82	8.44	8.44	8.44	8.44
		S/T	0.72	0.81	0.89	0.98	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	2.93	2.93	2.93	2.93	2.94	2.94	2.94	2.94	2.95	2.95	2.95	2.95	2.97	2.97	2.97	2.97
	46	TC	6.58	6.58	6.64	6.70	7.04	7.04	7.04	7.04	7.24	7.24	7.24	7.24	7.84	7.84	7.84	7.84
		S/T	0.73	0.82	0.91	1.00	0.58	0.67	0.75	0.84	0.52	0.60	0.68	0.76	0.36	0.44	0.51	0.59
		PI	3.26	3.26	3.26	3.26	3.27	3.27	3.27	3.27	3.28	3.28	3.28	3.28	3.31	3.31	3.31	3.31
	50	TC	6.18	6.18	6.24	6.30	6.61	6.61	6.61	6.61	6.81	6.81	6.81	6.81	7.39	7.39	7.39	7.39
		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	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.56	3.56	3.56	3.56	3.58	3.58	3.58	3.58

1200	-15	TC	9.40	9.40	9.49	9.58	9.89	9.89	9.89	9.89	10.12	10.12	10.12	10.12	10.76	10.76	10.76	10.76
		S/T	0.70	0.79	0.98	1.00	0.56	0.65	0.72	0.81	0.50	0.58	0.66	0.73	0.35	0.42	0.49	0.57
		PI	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
	-10	TC	9.35	9.35	9.44	9.53	9.83	9.83	9.83	9.83	10.06	10.06	10.06	10.06	10.73	10.73	10.73	10.73
		S/T	0.71	0.80	0.99	1.00	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	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90
	-5	TC	9.29	9.29	9.38	9.47	9.80	9.80	9.80	9.80	10.03	10.03	10.03	10.03	10.70	10.70	10.70	10.70
		S/T	0.71	0.80	0.99	1.00	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	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90
	0	TC	9.24	9.24	9.33	9.42	9.76	9.76	9.76	9.76	10.00	10.00	10.00	10.00	10.69	10.69	10.69	10.69
		S/T	0.72	0.80	1.00	1.00	0.57	0.66	0.74	0.82	0.51	0.59	0.67	0.74	0.35	0.43	0.50	0.58
		PI	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.89	1.89	1.89	1.89	1.91	1.91	1.91	1.91
	5	TC	9.20	9.20	9.29	9.37	9.72	9.72	9.72	9.72	9.97	9.97	9.97	9.97	10.68	10.68	10.68	10.68
		S/T	0.72	0.81	1.00	1.00	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	1.92	1.92	1.92	1.92	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92
	10	TC	9.14	9.14	9.23	9.32	9.68	9.68	9.68	9.68	9.93	9.93	9.93	9.93	10.65	10.65	10.65	10.65
		S/T	0.72	0.81	1.00	1.00	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	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.95
	15	TC	9.07	9.07	9.15	9.24	9.61	9.61	9.61	9.61	9.87	9.87	9.87	9.87	10.61	10.61	10.61	10.61
		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	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99
	20	TC	8.96	8.96	9.05	9.14	9.51	9.51	9.51	9.51	9.77	9.77	9.77	9.77	10.52	10.52	10.52	10.52
		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	2.07	2.07	2.07	2.07	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05
	25	TC	8.53	8.53	8.62	8.71	9.08	9.08	9.08	9.08	9.34	9.34	9.34	9.34	10.06	10.06	10.06	10.06
		S/T	0.74	0.83	0.92	1.00	0.59	0.68	0.76	0.85	0.52	0.60	0.69	0.78	0.36	0.44	0.52	0.60
		PI	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27
	30	TC	8.13	8.13	8.22	8.30	8.65	8.65	8.65	8.65	8.91	8.91	8.91	8.91	9.63	9.63	9.63	9.63
		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	0.60
		PI	2.49	2.49	2.49	2.49	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.51	2.51	2.51	2.51
	35	TC	7.73	7.73	7.82	7.90	8.25	8.25	8.25	8.33	8.48	8.48	8.62	8.48	9.17	9.17	9.17	9.17
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.61
		PI	2.72	2.72	2.72	2.72	2.73	2.73	2.73	2.73	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74
	40	TC	7.21	7.23	7.31	7.38	7.69	7.69	7.69	7.78	7.92	7.92	8.00	7.92	8.57	8.57	8.57	8.57
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.82	0.93	0.53	0.63	0.74	0.84	0.34	0.44	0.54	0.63
		PI	3.01	3.01	3.01	3.01	3.02	3.02	3.02	3.02	3.03	3.03	3.03	3.03	3.04	3.04	3.04	3.04
	46	TC	6.68	6.74	6.79	6.85	7.14	7.14	7.14	7.22	7.36	7.36	7.36	7.36	7.96	7.96	7.96	7.96
		S/T	0.80	0.91	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	3.34	3.34	3.34	3.34	3.36	3.36	3.36	3.36	3.37	3.37	3.37	3.37	3.39	3.39	3.39	3.39
	50	TC	6.25	6.31	6.37	6.43	6.68	6.68	6.68	6.74	6.91	6.91	6.91	6.91	7.51	7.51	7.51	7.51
		S/T	0.82	0.94	1.00	1.00	0.63	0.75	0.87	0.98	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.91
		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
1500	-15	TC	9.58	9.58	9.67	9.76	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	0.74	0.85	1.00	1.00	0.59	0.69	0.78	0.98	0.51	0.61	0.70	0.80	0.34	0.42	0.51	0.61
		PI	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
	-10	TC	9.53	9.53	9.62	9.71	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	0.75	0.85	1.00	1.00	0.59	0.69	0.79	0.98	0.51	0.61	0.71	0.81	0.34	0.43	0.51	0.61
		PI	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
	-5	TC	9.47	9.47	9.56	9.65	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	0.75	0.86	1.00	1.00	0.59	0.69	0.79	0.99	0.52	0.61	0.71	0.81	0.34	0.43	0.52	0.61
		PI	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.94	1.94
	0	TC	9.42	9.42	9.51	9.60	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	0.75	0.86	1.00	1.00	0.60	0.70	0.79	0.99	0.52	0.62	0.72	0.81	0.34	0.43	0.52	0.62
		PI	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	5	TC	9.37	9.37	9.46	9.55	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	0.76	0.87	1.00	1.00	0.60	0.70	0.80	1.00	0.52	0.62	0.72	0.82	0.34	0.43	0.52	0.62
		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	1.96	1.96	1.96	1.96
	10	TC	9.32	9.32	9.41	9.49	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	0.76	0.87	1.00	1.00	0.60	0.70	0.80	1.00	0.52	0.62	0.72	0.82	0.35	0.44	0.52	0.62
		PI	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98
	15	TC	9.24	9.24	9.33	9.42	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	0.77	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	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.02
	20	TC	9.14	9.14	9.22	9.31	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	0.77	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	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.09	2.09	2.09	2.09
	25	TC	8.71	8.79	8.88	8.96	9.25	9.25	9.25	9.34	9.54	9.54	9.54	9.54	10.26	10.26	10.26	10.26
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.64	0.74	0.85	0.34	0.44	0.54	0.64
		PI	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
	30	TC	8.30	8.39	8.48	8.56	8.82	8.82	8.82	8.91	9.11	9.11	9.11	9.11	9.80	9.80	9.80	9.80
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.85	0.96	0.53	0.64	0.76	0.87	0.34	0.44	0.54	0.65
		PI	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.56	2.56	2.56	2.56	2.57	2.57	2.57	2.57
	35	TC	7.90	7.99	8.07	8.16	8.39	8.39	8.39	8.48	8.65	8.65	**8.79**	8.88	9.34	9.34	9.34	9.34
		S/T	0.82	0.94	1.00	1.00	0.63	0.75	0.87	0.98	0.54	0.66	**0.77**	0.88	0.34	0.44	0.55	0.66
		PI	2.78	2.78	2.78	2.78	2.79	2.79	2.79	2.79	2.80	2.80	**2.80**	2.80	2.81	2.81	2.81	2.81
	40	TC	7.35	7.43	7.50	7.57	7.84	7.84	7.88	7.96	8.08	8.08	8.16	8.24	8.74	8.74	8.74	8.74
		S/T	0.85	0.99	1.00	1.00	0.65	0.78	0.90	1.00	0.55	0.68	0.80	0.93	0.33	0.45	0.57	0.90
		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	3.11	3.11	3.11	3.11
	46	TC	6.79	6.85	6.91	6.97	7.28	7.28	7.36	7.45	7.51	7.51	7.51	7.59	8.13	8.13	8.13	8.13
		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	0.92
		PI	3.42	3.42	3.42	3.42	3.43	3.43	3.43	3.43	3.44	3.44	3.44	3.44	3.47	3.47	3.47	3.47
	50	TC	6.40	6.45	6.51	6.57	6.82	6.82	6.88	6.94	7.05	7.05	7.05	7.11	7.65	7.65	7.65	7.65
		S/T	0.89	1.00	1.00	1.00	0.67	0.81	0.96	1.00	0.56	0.70	0.85	0.98	0.33	0.46	0.59	0.97
		PI	3.69	3.69	3.69	3.69	3.71	3.71	3.71	3.71	3.72	3.72	3.72	3.72	3.75	3.75	3.75	3.75

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-QRD0W(GA)																		
INDOOR AIRFLOW (CMH)	OUTDOOR DB(℃)	ID WB (℃)	16.0				18.0				19.0				22.0			
		ID DB (℃)	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
1100	-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	0.67	0.73	0.80	0.87	0.55	0.61	0.68	0.74	0.49	0.56	0.62	0.68	0.37	0.42	0.48	0.54
		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	0.67	0.74	0.81	0.87	0.55	0.62	0.68	0.75	0.49	0.56	0.62	0.68	0.37	0.43	0.49	0.54
		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	0.67	0.74	0.81	0.88	0.56	0.62	0.68	0.75	0.50	0.57	0.62	0.68	0.37	0.43	0.49	0.55
		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	0.68	0.74	0.81	0.88	0.56	0.62	0.69	0.75	0.50	0.57	0.63	0.69	0.37	0.43	0.49	0.55
		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	0.68	0.75	0.82	0.89	0.56	0.63	0.69	0.76	0.50	0.57	0.63	0.69	0.37	0.43	0.49	0.55
		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	0.68	0.75	0.82	0.89	0.56	0.63	0.69	0.76	0.50	0.57	0.63	0.69	0.38	0.44	0.50	0.55
		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	0.69	0.76	0.83	0.90	0.57	0.63	0.70	0.77	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		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	0.69	0.76	0.83	0.90	0.57	0.64	0.70	0.77	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		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	10.06	10.17	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	0.70	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	3.14	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	9.57	9.66	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	0.70	0.78	0.86	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	3.44	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	9.11	9.20	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	0.71	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	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	8.61	8.70	9.14	9.14	9.14	9.14	9.43	9.43	9.51	9.43	10.18	10.18	10.18	10.18
		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	4.17	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	8.48	8.74	8.74	8.74	8.74	9.46	9.46	9.46	9.46
		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	0.51	0.59
		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	7.44	7.53	7.62	7.96	7.96	7.96	7.96	8.22	8.22	8.22	8.22	8.91	8.91	8.91	8.91
		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	0.60
		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

1400	-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	0.70	0.78	0.98	1.00	0.56	0.64	0.71	0.80	0.49	0.57	0.65	0.72	0.35	0.42	0.49	0.56
		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	0.70	0.79	0.99	1.00	0.56	0.64	0.72	0.81	0.49	0.57	0.65	0.73	0.35	0.43	0.49	0.56
		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	0.70	0.79	0.99	1.00	0.57	0.64	0.72	0.81	0.50	0.58	0.65	0.73	0.35	0.43	0.50	0.57
		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	0.71	0.79	1.00	1.00	0.57	0.65	0.73	0.81	0.50	0.58	0.66	0.74	0.35	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	2.68	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	0.71	0.80	1.00	1.00	0.57	0.65	0.73	0.82	0.50	0.58	0.66	0.74	0.35	0.43	0.50	0.57
		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	0.71	0.80	1.00	1.00	0.57	0.65	0.73	0.82	0.50	0.58	0.66	0.74	0.36	0.44	0.50	0.57
		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	0.72	0.81	0.89	0.98	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	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	0.72	0.81	0.89	0.98	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	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	10.26	10.38	10.49	10.90	10.90	10.90	10.90	11.21	11.21	11.21	11.21	12.07	12.07	12.07	12.07
		S/T	0.73	0.82	0.91	1.00	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	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21
	30	TC	9.77	9.77	9.86	9.95	10.41	10.41	10.41	10.41	10.72	10.72	10.72	10.72	11.53	11.53	11.53	11.53
		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	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.53	3.53	3.53	3.53	3.54	3.54	3.54	3.54
	35	TC	9.29	9.29	9.37	9.46	9.89	9.89	9.89	9.89	10.18	10.18	10.35	10.18	10.98	10.98	10.98	10.98
		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	3.84	3.84	3.84	3.84	3.86	3.86	3.86	3.86	3.86	3.86	3.87	3.86	3.86	3.86	3.86	3.86
	40	TC	8.67	8.71	8.79	8.88	9.24	9.24	9.24	9.28	9.51	9.51	9.61	9.51	10.28	10.28	10.28	10.28
		S/T	0.78	0.88	0.99	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.83	0.35	0.44	0.53	0.63
		PI	4.24	4.24	4.24	4.24	4.26	4.26	4.26	4.26	4.27	4.27	4.27	4.27	4.28	4.28	4.28	4.28
	46	TC	8.03	8.12	8.20	8.29	8.57	8.57	8.57	8.66	8.83	8.83	8.83	8.83	9.57	9.57	9.57	9.57
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.64	0.74	0.85	0.34	0.44	0.54	0.63
		PI	4.71	4.71	4.71	4.71	4.74	4.74	4.74	4.74	4.75	4.75	4.75	4.75	4.79	4.79	4.79	4.79
	50	TC	7.52	7.60	7.69	7.78	8.06	8.06	8.06	8.15	8.32	8.32	8.32	8.32	9.03	9.03	9.03	9.03
		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	0.91
		PI	5.10	5.10	5.10	5.10	5.13	5.13	5.13	5.13	5.14	5.14	5.14	5.14	5.18	5.18	5.18	5.18
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	**3.95**	3.94	3.97	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.

INDOOR AIRFLOW (CMH)	OUTDOOR DB(℃)	ID WB (℃)	16.0				18.0				19.0				22.0			
		ID DB (℃)	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
1100	-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	0.67	0.73	0.80	0.87	0.55	0.61	0.68	0.74	0.49	0.56	0.62	0.68	0.37	0.42	0.48	0.54
		PI	2.60	2.59	2.59	2.60	2.58	2.58	2.58	2.58	2.59	2.59	2.59	2.59	2.58	2.58	2.58	2.58
	-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	0.67	0.74	0.81	0.87	0.55	0.62	0.68	0.75	0.49	0.56	0.62	0.68	0.37	0.43	0.49	0.54
		PI	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58
	-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	0.67	0.74	0.81	0.88	0.56	0.62	0.68	0.75	0.50	0.57	0.62	0.68	0.37	0.43	0.49	0.55
		PI	2.58	2.57	2.57	2.58	2.57	2.57	2.57	2.57	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58
	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	0.68	0.74	0.81	0.88	0.56	0.62	0.69	0.75	0.50	0.57	0.63	0.69	0.37	0.43	0.49	0.55
		PI	2.59	2.58	2.58	2.59	2.58	2.58	2.58	2.58	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59
	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	0.68	0.75	0.82	0.89	0.56	0.63	0.69	0.76	0.50	0.57	0.63	0.69	0.37	0.43	0.49	0.55
		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	2.61	2.61	2.61	2.61
	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	0.68	0.75	0.82	0.89	0.56	0.63	0.69	0.76	0.50	0.57	0.63	0.69	0.38	0.44	0.50	0.55
		PI	2.66	2.65	2.65	2.66	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.64	2.64	2.64	2.64
	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	0.69	0.76	0.83	0.90	0.57	0.63	0.70	0.77	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		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	2.70	2.70	2.70	2.70
	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	0.69	0.76	0.83	0.90	0.57	0.64	0.70	0.77	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	2.82	2.81	2.81	2.82	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.78	2.78	2.78	2.78
	25	TC	10.06	10.06	10.06	10.17	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	0.70	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	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10
	30	TC	9.57	9.57	9.57	9.66	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	0.70	0.78	0.86	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	3.40	3.40	3.40	3.40	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.42	3.42	3.42	3.42
	35	TC	9.11	9.11	9.11	9.20	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	0.71	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	3.71	3.71	3.71	3.71	3.73	3.73	3.73	3.73	3.73	3.73	3.74	3.73	3.76	3.76	3.76	3.76
	40	TC	8.58	8.58	8.61	8.70	9.14	9.14	9.14	9.14	9.43	9.43	9.51	9.43	10.18	10.18	10.18	10.18
		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	4.10	4.10	4.10	4.10	4.12	4.12	4.12	4.12	4.12	4.12	4.13	4.12	4.16	4.16	4.16	4.16
	46	TC	7.93	7.93	8.02	8.10	8.48	8.48	8.48	8.48	8.74	8.74	8.74	8.74	9.46	9.46	9.46	9.46
		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	0.51	0.59
		PI	4.56	4.56	4.56	4.56	4.58	4.58	4.58	4.58	4.59	4.59	4.59	4.59	4.63	4.63	4.63	4.63
	50	TC	7.44	7.44	7.53	7.62	7.96	7.96	7.96	7.96	8.22	8.22	8.22	8.22	8.91	8.91	8.91	8.91
		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	0.60
		PI	4.93	4.93	4.93	4.93	4.95	4.95	4.95	4.95	4.97	4.97	4.97	4.97	5.01	5.01	5.01	5.01

1400	-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	0.70	0.78	0.98	1.00	0.56	0.64	0.71	0.80	0.49	0.57	0.65	0.72	0.35	0.42	0.49	0.56
		PI	2.66	2.66	2.66	2.66	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.63	2.63	2.63	2.63
	-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	0.70	0.79	0.99	1.00	0.56	0.64	0.72	0.81	0.49	0.57	0.65	0.73	0.35	0.43	0.49	0.56
		PI	2.64	2.64	2.64	2.64	2.63	2.63	2.63	2.63	2.64	2.64	2.64	2.64	2.63	2.63	2.63	2.63
	-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	0.70	0.79	0.99	1.00	0.57	0.64	0.72	0.81	0.50	0.58	0.65	0.73	0.35	0.43	0.50	0.57
		PI	2.64	2.64	2.64	2.64	2.63	2.63	2.63	2.63	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64
	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	0.71	0.79	1.00	1.00	0.57	0.65	0.73	0.81	0.50	0.58	0.66	0.74	0.35	0.43	0.50	0.57
		PI	2.65	2.65	2.65	2.65	2.64	2.64	2.64	2.64	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65
	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	0.71	0.80	1.00	1.00	0.57	0.65	0.73	0.82	0.50	0.58	0.66	0.74	0.35	0.43	0.50	0.57
		PI	2.67	2.67	2.67	2.67	2.66	2.66	2.66	2.66	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
	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	0.71	0.80	1.00	1.00	0.57	0.65	0.73	0.82	0.50	0.58	0.66	0.74	0.36	0.44	0.50	0.57
		PI	2.72	2.72	2.72	2.72	2.70	2.70	2.70	2.70	2.71	2.71	2.71	2.71	2.70	2.70	2.70	2.70
	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	0.72	0.81	0.89	0.98	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	2.78	2.78	2.78	2.78	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.76	2.76	2.76	2.76
	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	0.72	0.81	0.89	0.98	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	2.88	2.88	2.88	2.88	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.84	2.84	2.84	2.84
	25	TC	10.26	10.26	10.38	10.49	10.90	10.90	10.90	10.90	11.21	11.21	11.21	11.21	12.07	12.07	12.07	12.07
		S/T	0.73	0.82	0.91	1.00	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	3.17	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
	30	TC	9.77	9.77	9.86	9.95	10.41	10.41	10.41	10.41	10.72	10.72	10.72	10.72	11.53	11.53	11.53	11.53
		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	3.47	3.47	3.47	3.47	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.50	3.50	3.50	3.50
	35	TC	9.29	9.29	9.37	9.46	9.89	9.89	9.89	9.89	10.18	10.18	10.35	10.18	10.98	10.98	10.98	10.98
		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	3.79	3.79	3.79	3.79	3.81	3.81	3.81	3.81	3.81	3.81	3.82	3.81	3.81	3.81	3.81	3.81
	40	TC	8.67	8.71	8.79	8.88	9.24	9.24	9.24	9.28	9.51	9.51	9.61	9.51	10.28	10.28	10.28	10.28
		S/T	0.78	0.88	0.99	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.83	0.35	0.44	0.53	0.63
		PI	4.18	4.18	4.18	4.18	4.20	4.20	4.20	4.20	4.21	4.21	4.22	4.21	4.23	4.23	4.23	4.23
	46	TC	8.03	8.12	8.20	8.29	8.57	8.57	8.57	8.66	8.83	8.83	8.83	8.83	9.57	9.57	9.57	9.57
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.64	0.74	0.85	0.34	0.44	0.54	0.63
		PI	4.65	4.65	4.65	4.65	4.67	4.67	4.67	4.67	4.69	4.69	4.69	4.69	4.73	4.73	4.73	4.73
	50	TC	7.52	7.60	7.69	7.78	8.06	8.06	8.06	8.15	8.32	8.32	8.32	8.32	9.03	9.03	9.03	9.03
		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	0.91
		PI	5.04	5.04	5.04	5.04	5.06	5.06	5.06	5.06	5.07	5.07	5.07	5.07	5.11	5.11	5.11	5.11
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	2.71	2.71	2.71	2.71	2.69	2.69	2.69	2.69	2.70	2.70	2.70	2.70	2.69	2.69	2.69	2.69
	-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	2.70	2.70	2.70	2.70	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69
	-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	2.69	2.69	2.69	2.69	2.68	2.68	2.68	2.68	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69
	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	2.70	2.70	2.70	2.70	2.69	2.69	2.69	2.69	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
	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	2.73	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
	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	2.77	2.77	2.77	2.77	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
	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	2.84	2.84	2.84	2.84	2.82	2.82	2.82	2.82	2.83	2.83	2.83	2.83	2.82	2.82	2.82	2.82
	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	2.94	2.94	2.94	2.94	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.90	2.90	2.90	2.90
	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	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23
	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	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.56	3.56	3.56	3.56	3.57	3.57	3.57	3.57
	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	3.87	3.87	3.87	3.87	3.89	3.89	3.89	3.89	3.89	3.89	**3.90**	3.89	3.92	3.92	3.92	3.92
	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	4.27	4.27	4.27	4.27	4.29	4.29	4.29	4.29	4.30	4.30	4.30	4.30	4.33	4.33	4.33	4.33
	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	4.75	4.75	4.75	4.75	4.77	4.77	4.77	4.77	4.79	4.79	4.79	4.79	4.83	4.83	4.83	4.83
	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	5.14	5.14	5.14	5.14	5.17	5.17	5.17	5.17	5.18	5.18	5.18	5.18	5.22	5.22	5.22	5.22

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.

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	12.69	12.69	12.69	12.81	13.34	13.60	13.60	13.60	13.66	13.66	13.66	13.66	14.53	14.53	14.53	14.53
		S/T	0.67	0.74	0.81	0.88	0.55	0.62	0.69	0.74	0.49	0.56	0.62	0.69	0.37	0.42	0.48	0.54
		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	12.61	12.61	12.61	12.73	13.26	13.53	13.53	13.53	13.59	13.59	13.59	13.59	14.48	14.48	14.48	14.48
		S/T	0.67	0.75	0.82	0.88	0.55	0.62	0.69	0.75	0.49	0.56	0.62	0.69	0.37	0.43	0.49	0.54
		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	12.54	12.54	12.54	12.66	13.21	13.48	13.48	13.48	13.54	13.54	13.54	13.54	14.44	14.44	14.44	14.44
		S/T	0.67	0.75	0.82	0.89	0.56	0.62	0.69	0.75	0.50	0.57	0.62	0.69	0.37	0.43	0.49	0.55
		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	12.47	12.48	12.48	12.59	13.16	13.43	13.43	13.43	13.50	13.50	13.50	13.50	14.43	14.43	14.43	14.43
		S/T	0.68	0.75	0.82	0.89	0.56	0.63	0.70	0.75	0.50	0.57	0.63	0.70	0.37	0.43	0.49	0.55
		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	12.41	12.41	12.41	12.53	13.11	13.37	13.37	13.37	13.46	13.46	13.46	13.46	14.42	14.42	14.42	14.42
		S/T	0.68	0.76	0.83	0.90	0.56	0.63	0.70	0.76	0.50	0.57	0.63	0.70	0.37	0.43	0.49	0.55
		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	12.34	12.34	12.34	12.46	13.05	13.31	13.31	13.31	13.40	13.40	13.40	13.40	14.38	14.38	14.38	14.38
		S/T	0.68	0.76	0.83	0.90	0.56	0.63	0.70	0.76	0.50	0.57	0.63	0.70	0.38	0.44	0.50	0.55
		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	12.23	12.24	12.24	12.35	12.96	13.22	13.22	13.22	13.32	13.32	13.32	13.32	14.32	14.32	14.32	14.32
		S/T	0.69	0.77	0.84	0.91	0.57	0.63	0.71	0.77	0.51	0.58	0.64	0.71	0.38	0.44	0.50	0.56
		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	12.10	12.10	12.10	12.21	12.83	12.82	12.82	12.82	13.19	13.19	13.19	13.19	14.20	14.20	14.20	14.20
		S/T	0.69	0.77	0.84	0.91	0.57	0.64	0.71	0.77	0.51	0.58	0.64	0.71	0.38	0.44	0.50	0.56
		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	11.52	11.52	11.52	11.64	12.24	12.24	12.24	12.24	12.62	12.62	12.62	12.62	13.57	13.57	13.57	13.57
		S/T	0.70	0.77	0.85	0.92	0.57	0.64	0.71	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		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	11.01	11.01	11.01	11.12	11.70	11.70	11.70	11.70	12.04	12.04	12.04	12.04	12.99	12.99	12.99	12.99
		S/T	0.71	0.78	0.86	0.94	0.57	0.65	0.72	0.80	0.51	0.58	0.66	0.73	0.37	0.44	0.50	0.57
		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	10.43	10.43	10.43	10.55	11.12	11.12	11.12	11.12	11.47	11.47	11.64	11.47	12.36	12.36	12.36	12.36
		S/T	0.71	0.80	0.88	0.96	0.58	0.66	0.73	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58
		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	9.83	9.83	9.87	9.97	10.48	10.48	10.48	10.48	10.81	10.81	10.91	10.81	11.68	11.68	11.68	11.68
		S/T	0.73	0.82	0.91	1.00	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	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	9.11	9.11	9.19	9.28	9.71	9.71	9.71	9.71	10.03	10.03	10.03	10.03	10.86	10.86	10.86	10.86
		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	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	8.53	8.53	8.62	8.71	9.14	9.14	9.14	9.14	9.42	9.42	9.42	9.42	10.23	10.23	10.23	10.23
		S/T	0.76	0.86	0.96	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	5.06	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
1700	-15	TC	12.94	12.94	13.06	13.18	13.60	13.60	13.60	13.60	13.93	13.93	13.93	13.93	14.80	14.80	14.80	14.80
		S/T	0.70	0.80	0.98	1.00	0.57	0.65	0.73	0.82	0.50	0.58	0.67	0.74	0.35	0.42	0.49	0.57
		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	12.86	12.86	12.98	13.10	13.53	13.53	13.53	13.53	13.86	13.86	13.86	13.86	14.75	14.75	14.75	14.75
		S/T	0.71	0.81	0.99	1.00	0.57	0.65	0.74	0.82	0.50	0.58	0.67	0.75	0.35	0.43	0.49	0.57
		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	12.78	12.78	12.90	13.02	13.48	13.48	13.48	13.48	13.81	13.81	13.81	13.81	14.71	14.71	14.71	14.71
		S/T	0.71	0.81	0.99	1.00	0.58	0.65	0.74	0.83	0.51	0.59	0.67	0.75	0.35	0.43	0.50	0.58
		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	12.72	12.72	12.84	12.95	13.43	13.43	13.43	13.43	13.77	13.77	13.77	13.77	14.70	14.70	14.70	14.70
		S/T	0.72	0.81	1.00	1.00	0.58	0.66	0.74	0.83	0.51	0.59	0.68	0.75	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	2.71	2.71	2.71	2.71	2.72	2.72	2.72	2.72
	5	TC	12.65	12.65	12.77	12.89	13.37	13.37	13.37	13.37	13.73	13.73	13.73	13.73	14.69	14.69	14.69	14.69
		S/T	0.72	0.82	1.00	1.00	0.58	0.66	0.75	0.84	0.51	0.59	0.68	0.76	0.35	0.43	0.50	0.58
		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	12.58	12.58	12.69	12.81	13.31	13.31	13.31	13.31	13.67	13.67	13.67	13.67	14.65	14.65	14.65	14.65
		S/T	0.72	0.82	1.00	1.00	0.58	0.66	0.75	0.84	0.51	0.59	0.68	0.76	0.36	0.44	0.50	0.58
		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	12.47	12.47	12.59	12.71	13.22	13.22	13.22	13.22	13.59	13.59	13.59	13.59	14.59	14.59	14.59	14.59
		S/T	0.73	0.83	0.91	1.00	0.59	0.67	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.51	0.59
		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	12.33	12.33	12.45	12.56	13.08	13.08	13.08	13.08	13.46	13.46	13.46	13.46	14.46	14.46	14.46	14.46
		S/T	0.73	0.83	0.91	1.00	0.59	0.67	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.51	0.59
		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	11.76	11.76	11.87	11.99	12.51	12.51	12.51	12.51	12.88	12.88	12.88	12.88	13.86	13.86	13.86	13.86
		S/T	0.74	0.84	0.93	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	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25
	30	TC	11.21	11.21	11.33	11.44	11.93	11.93	11.93	11.93	12.28	12.28	12.28	12.28	13.25	13.25	13.25	13.25
		S/T	0.75	0.86	0.95	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	3.56	3.56	3.56	3.56	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.59	3.59	3.59	3.59
	35	TC	10.67	10.67	10.78	10.90	11.33	11.33	11.33	11.44	11.70	11.70	11.87	11.70	12.62	12.62	12.62	12.62
		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	3.89	3.89	3.89	3.89	3.91	3.91	3.91	3.91	3.91	3.91	3.92	3.91	3.91	3.91	3.91	3.91
	40	TC	9.93	9.97	10.07	10.17	10.57	10.57	10.57	10.67	10.91	10.91	11.00	10.91	11.78	11.78	11.78	11.78
		S/T	0.79	0.91	1.00	1.00	0.61	0.72	0.84	0.94	0.53	0.64	0.75	0.85	0.34	0.44	0.54	0.64
		PI	4.29	4.29	4.29	4.29	4.32	4.32	4.32	4.32	4.32	4.32	4.33	4.32	4.34	4.34	4.34	4.34
	46	TC	9.18	9.27	9.35	9.44	9.81	9.81	9.81	9.89	10.12	10.12	10.12	10.12	10.95	10.95	10.95	10.95
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.85	0.96	0.53	0.65	0.76	0.87	0.34	0.44	0.55	0.65
		PI	4.77	4.77	4.77	4.77	4.80	4.80	4.80	4.80	4.81	4.81	4.81	4.81	4.85	4.85	4.85	4.85
	50	TC	8.61	8.70	8.78	8.87	9.21	9.21	9.21	9.30	9.52	9.52	9.52	9.61	10.32	10.32	10.32	10.32
		S/T	0.83	0.95	1.00	1.00	0.63	0.75	0.88	0.99	0.54	0.66	0.78	0.89	0.34	0.44	0.55	0.91
		PI	5.17	5.17	5.17	5.17	5.19	5.19	5.19	5.19	5.21	5.21	5.21	5.21	5.25	5.25	5.25	5.25

2000	-15	TC	13.18	13.18	13.30	13.42	13.87	13.87	13.87	14.02	14.23	14.23	14.23	14.23	15.09	15.09	15.09	15.09
		S/T	0.74	0.84	1.00	1.00	0.58	0.68	0.77	0.98	0.50	0.60	0.70	0.79	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	13.10	13.10	13.22	13.34	13.80	13.80	13.80	13.94	14.16	14.16	14.16	14.16	15.04	15.04	15.04	15.04
		S/T	0.75	0.84	1.00	1.00	0.58	0.68	0.78	0.98	0.50	0.60	0.70	0.80	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	13.02	13.02	13.14	13.26	13.74	13.74	13.74	13.89	14.11	14.11	14.11	14.11	15.00	15.00	15.00	15.00
		S/T	0.75	0.85	1.00	1.00	0.59	0.68	0.78	0.99	0.51	0.60	0.70	0.80	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	12.95	12.95	13.07	13.19	13.69	13.69	13.69	13.84	14.07	14.07	14.07	14.07	14.99	14.99	14.99	14.99
		S/T	0.75	0.85	1.00	1.00	0.59	0.69	0.78	0.99	0.51	0.61	0.71	0.80	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	12.89	12.89	13.01	13.13	13.64	13.64	13.64	13.79	14.02	14.02	14.02	14.02	14.98	14.98	14.98	14.98
		S/T	0.76	0.86	1.00	1.00	0.59	0.69	0.79	1.00	0.51	0.61	0.71	0.81	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	12.81	12.81	12.93	13.05	13.57	13.57	13.57	13.72	13.96	13.96	13.96	13.96	14.94	14.94	14.94	14.94
		S/T	0.76	0.86	1.00	1.00	0.59	0.69	0.79	1.00	0.51	0.61	0.71	0.81	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	12.71	12.71	12.82	12.94	13.48	13.48	13.48	13.63	13.88	13.88	13.88	13.88	14.88	14.88	14.88	14.88
		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	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	12.56	12.56	12.68	12.79	13.34	13.34	13.34	13.48	13.74	13.74	13.74	13.74	14.75	14.75	14.75	14.75
		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	3.01	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	11.99	12.10	12.22	12.33	12.74	12.74	12.74	12.85	13.11	13.11	13.11	13.11	14.12	14.12	14.12	14.12
		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	3.31	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	11.44	11.56	11.67	11.79	12.16	12.16	12.16	12.28	12.54	12.54	12.54	12.54	13.48	13.48	13.48	13.48
		S/T	0.79	0.91	1.00	1.00	0.61	0.72	0.84	0.94	0.53	0.64	0.75	0.85	0.34	0.44	0.54	0.64
		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	10.87	10.98	11.10	11.21	11.56	11.56	11.56	11.67	11.93	11.93	**12.10**	11.93	12.85	12.85	12.85	12.85
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.85	0.97	0.54	0.65	**0.76**	0.87	0.34	0.44	0.55	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	10.11	10.21	10.31	10.42	10.78	10.78	10.83	10.95	11.13	11.13	11.22	11.18	12.01	12.01	12.01	12.01
		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	0.90
		PI	4.38	4.38	4.38	4.38	4.40	4.40	4.40	4.40	4.41	4.41	4.41	4.41	4.44	4.44	4.44	4.44
	46	TC	9.35	9.44	9.52	9.61	10.01	10.01	10.12	10.23	10.32	10.32	10.32	10.43	11.17	11.17	11.17	11.17
		S/T	0.86	0.99	1.00	1.00	0.65	0.78	0.91	1.00	0.55	0.68	0.81	0.93	0.33	0.45	0.57	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	8.78	8.87	8.96	9.04	9.38	9.38	9.47	9.55	9.69	9.69	9.69	9.78	10.52	10.52	10.52	10.52
		S/T	0.88	1.00	1.00	1.00	0.66	0.80	0.94	1.00	0.56	0.70	0.83	0.97	0.33	0.45	0.58	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.

48k(match with MOX630U-48HFN8-QRD0W(GA))																		
INDOOR AIRFLOW (CMH)	OUTDOOR DB(℃)	ID WB (℃)	16.0				18.0				19.0				22.0			
		ID DB (℃)	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	14.70	14.69	14.69	14.69	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	0.66	0.71	0.77	0.84	0.55	0.61	0.67	0.71	0.50	0.55	0.61	0.67	0.38	0.43	0.48	0.53
		PI	3.14	3.14	3.14	3.14	3.13	3.13	3.13	3.13	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12
	-10	TC	14.61	14.60	14.60	14.60	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	0.66	0.72	0.78	0.84	0.55	0.61	0.67	0.72	0.50	0.55	0.61	0.67	0.38	0.44	0.49	0.53
		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	3.12	3.12	3.12	3.12
	-5	TC	14.52	14.51	14.51	14.51	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	0.66	0.72	0.78	0.85	0.56	0.61	0.67	0.72	0.51	0.56	0.61	0.67	0.38	0.44	0.49	0.54
		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	3.12	3.12	3.12	3.12
	0	TC	14.45	14.44	14.44	14.44	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	0.67	0.73	0.78	0.85	0.56	0.61	0.68	0.73	0.51	0.56	0.62	0.68	0.38	0.44	0.49	0.54
		PI	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13
	5	TC	14.38	14.37	14.37	14.37	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	0.67	0.73	0.79	0.86	0.56	0.62	0.68	0.73	0.51	0.56	0.62	0.68	0.38	0.44	0.49	0.54
		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
	10	TC	14.29	14.28	14.28	14.28	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	0.67	0.73	0.79	0.86	0.56	0.62	0.68	0.73	0.51	0.56	0.62	0.68	0.39	0.45	0.50	0.54
		PI	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
	15	TC	14.18	14.16	14.16	14.16	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	0.68	0.74	0.80	0.87	0.57	0.62	0.69	0.74	0.52	0.57	0.63	0.69	0.39	0.45	0.50	0.55
		PI	3.29	3.29	3.29	3.29	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.27	3.27	3.27	3.27
	20	TC	14.02	14.00	14.00	14.00	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	0.68	0.74	0.80	0.87	0.57	0.63	0.69	0.74	0.52	0.57	0.63	0.69	0.39	0.45	0.50	0.55
		PI	3.40	3.40	3.40	3.40	3.39	3.39	3.39	3.39	3.38	3.38	3.38	3.38	3.36	3.36	3.36	3.36
	25	TC	13.37	13.37	13.37	13.37	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	0.68	0.75	0.81	0.88	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	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75
	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	0.69	0.76	0.82	0.89	0.57	0.63	0.70	0.76	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.12	4.12	4.12	4.12	4.14	4.14	4.14	4.14
	35	TC	12.11	12.11	12.11	12.23	12.89	12.89	12.89	12.89	13.29	13.29	13.49	13.29	14.32	14.32	14.32	14.32
		S/T	0.69	0.76	0.84	0.91	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	4.49	4.49	4.49	4.49	4.50	4.50	4.50	4.50	4.51	4.51	4.52	4.51	4.54	4.54	4.54	4.54
	40	TC	11.40	11.40	11.40	11.51	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	0.71	0.78	0.86	0.94	0.57	0.65	0.72	0.80	0.51	0.58	0.66	0.73	0.37	0.44	0.50	0.57
		PI	4.96	4.96	4.96	4.96	4.97	4.97	4.97	4.97	4.98	4.98	4.99	4.98	5.02	5.02	5.02	5.02
	46	TC	10.55	10.55	10.55	10.67	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	0.71	0.79	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	0.57
		PI	5.51	5.51	5.51	5.51	5.53	5.53	5.53	5.53	5.55	5.55	5.55	5.55	5.59	5.59	5.59	5.59
	50	TC	9.89	9.89	9.98	10.06	10.58	10.58	10.58	10.58	10.92	10.92	10.92	10.92	11.84	11.84	11.84	11.84
		S/T	0.72	0.81	0.90	0.98	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	5.96	5.96	5.96	5.96	5.99	5.99	5.99	5.99	6.01	6.01	6.01	6.01	6.05	6.05	6.05	6.05
1700	-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	0.55	0.63	0.70	0.77	0.49	0.57	0.64	0.70	0.36	0.42	0.48	0.55
		PI	3.20	3.20	3.20	3.20	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.18	3.18	3.18	3.18
	-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	0.55	0.63	0.70	0.78	0.49	0.57	0.64	0.71	0.36	0.43	0.49	0.55
		PI	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18
	-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	0.56	0.63	0.70	0.78	0.50	0.58	0.64	0.71	0.36	0.43	0.49	0.56
		PI	3.18	3.18	3.18	3.18	3.17	3.17	3.17	3.17	3.18	3.18	3.18	3.18	3.19	3.19	3.19	3.19
	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	0.56	0.64	0.71	0.78	0.50	0.58	0.65	0.72	0.36	0.43	0.49	0.56
		PI	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
	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	0.56	0.64	0.71	0.79	0.50	0.58	0.65	0.72	0.36	0.43	0.49	0.56
		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	3.22	3.22	3.22	3.22
	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	0.56	0.64	0.71	0.79	0.50	0.58	0.65	0.72	0.37	0.44	0.50	0.56
		PI	3.28	3.28	3.28	3.28	3.26	3.26	3.26	3.26	3.27	3.27	3.27	3.27	3.26	3.26	3.26	3.26
	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	0.94	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	3.36	3.36	3.36	3.36	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.33	3.33	3.33	3.33
	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	0.94	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	3.47	3.47	3.47	3.47	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.43	3.43	3.43	3.43
	25	TC	13.67	13.67	13.67	13.81	14.50	14.50	14.50	14.50	14.93	14.93	14.93	14.93	16.08	16.08	16.08	16.08
		S/T	0.71	0.80	0.88	0.96	0.58	0.66	0.73	0.81	0.51	0.59	0.67	0.74	0.37	0.44	0.51	0.58
		PI	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.82	3.82	3.82	3.82	3.83	3.83	3.83	3.83
	30	TC	13.01	13.01	13.15	13.29	13.84	13.84	13.84	13.84	14.27	14.27	14.27	14.27	15.36	15.36	15.36	15.36
		S/T	0.72	0.81	0.89	0.98	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	4.19	4.19	4.19	4.19	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.22	4.22	4.22	4.22
	35	TC	12.37	12.37	12.49	12.60	13.15	13.15	13.15	13.15	13.58	13.58	13.78	13.58	14.64	14.64	14.64	14.64
		S/T	0.73	0.82	0.91	1.00	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	4.58	4.58	4.58	4.58	4.59	4.59	4.59	4.59	4.60	4.60	4.61	4.60	4.60	4.60	4.60	4.60
	40	TC	11.66	11.66	11.78	11.89	12.42	12.42	12.42	12.48	12.83	12.83	12.94	12.83	13.85	13.85	13.85	13.85
		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	5.06	5.06	5.06	5.06	5.07	5.07	5.07	5.07	5.08	5.08	5.09	5.08	5.11	5.11	5.11	5.11
	46	TC	10.78	10.78	10.90	11.01	11.53	11.53	11.53	11.64	11.90	11.90	11.90	11.90	12.88	12.88	12.88	12.88
		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	5.62	5.62	5.62	5.62	5.64	5.64	5.64	5.64	5.66	5.66	5.66	5.66	5.71	5.71	5.71	5.71
	50	TC	10.12	10.24	10.35	10.47	10.84	10.84	10.84	10.95	11.18	11.18	11.18	11.18	12.13	12.13	12.13	12.13
		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	0.91
		PI	6.08	6.08	6.08	6.08	6.11	6.11	6.11	6.11	6.13	6.13	6.13	6.13	6.18	6.18	6.18	6.18

2000	-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	0.79	1.00	1.00	0.56	0.65	0.73	0.98	0.50	0.58	0.66	0.74	0.35	0.42	0.49	0.57
		PI	3.26	3.26	3.26	3.26	3.25	3.25	3.25	3.25	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24
	-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	0.71	0.80	1.00	1.00	0.56	0.65	0.74	0.98	0.50	0.58	0.66	0.75	0.35	0.43	0.49	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	3.25	3.25	3.25	3.25
	-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	0.71	0.80	1.00	1.00	0.57	0.65	0.74	0.99	0.51	0.59	0.66	0.75	0.35	0.43	0.50	0.58
		PI	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.25	3.25	3.25	3.25
	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	0.72	0.80	1.00	1.00	0.57	0.66	0.74	0.99	0.51	0.59	0.67	0.75	0.35	0.43	0.50	0.58
		PI	3.26	3.26	3.26	3.26	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.26	3.26	3.26	3.26
	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	0.72	0.81	1.00	1.00	0.57	0.66	0.75	1.00	0.51	0.59	0.67	0.76	0.35	0.43	0.50	0.58
		PI	3.29	3.29	3.29	3.29	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.29	3.29	3.29	3.29
	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	0.72	0.81	1.00	1.00	0.57	0.66	0.75	1.00	0.51	0.59	0.67	0.76	0.36	0.44	0.50	0.58
		PI	3.34	3.34	3.34	3.34	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33
	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	0.73	0.82	0.91	1.00	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	3.42	3.42	3.42	3.42	3.41	3.41	3.41	3.41	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
	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	0.73	0.82	0.91	1.00	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	3.54	3.54	3.54	3.54	3.52	3.52	3.52	3.52	3.51	3.51	3.51	3.51	3.50	3.50	3.50	3.50
	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	0.74	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	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90
	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	0.75	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	4.27	4.27	4.27	4.27	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.30	4.30	4.30	4.30
	35	TC	12.63	12.63	12.75	12.86	13.44	13.44	13.44	13.58	13.87	13.87	**14.07**	13.87	14.96	14.96	14.96	14.96
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.90	0.52	0.62	**0.71**	0.81	0.35	0.44	0.53	0.62
		PI	4.67	4.67	4.67	4.67	4.68	4.68	4.68	4.68	4.69	4.69	**4.70**	4.69	4.72	4.72	4.72	4.72
	40	TC	11.91	11.96	12.07	12.19	12.69	12.69	12.69	12.82	13.09	13.09	13.20	13.09	14.14	14.14	14.14	14.14
		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	0.90
		PI	5.15	5.15	5.15	5.15	5.17	5.17	5.17	5.17	5.18	5.18	5.19	5.18	5.22	5.22	5.22	5.22
	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	0.80	0.92	1.00	1.00	0.62	0.73	0.85	0.96	0.53	0.64	0.76	0.87	0.34	0.44	0.54	0.92
		PI	5.73	5.73	5.73	5.73	5.75	5.75	5.75	5.75	5.77	5.77	5.77	5.77	5.82	5.82	5.82	5.82
	50	TC	10.35	10.47	10.58	10.70	11.07	11.07	11.07	11.18	11.41	11.41	11.41	11.53	12.39	12.39	12.39	12.39
		S/T	0.82	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	0.97
		PI	6.20	6.20	6.20	6.20	6.23	6.23	6.23	6.23	6.25	6.25	6.25	6.25	6.30	6.30	6.30	6.30

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(match with MOX630U-48HFN8-RRD0W(GA))																		
INDOOR AIRFLOW (CMH)	OUTDOOR DB(℃)	ID WB (℃)	16.0				18.0				19.0				22.0			
		ID DB (℃)	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	14.70	14.69	14.69	14.69	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	0.66	0.71	0.77	0.84	0.55	0.61	0.67	0.71	0.50	0.55	0.61	0.67	0.38	0.43	0.48	0.53
		PI	3.00	3.00	3.00	3.00	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.98	2.98	2.98	2.98
	-10	TC	14.61	14.60	14.60	14.60	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	0.66	0.72	0.78	0.84	0.55	0.61	0.67	0.72	0.50	0.55	0.61	0.67	0.38	0.44	0.49	0.53
		PI	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98
	-5	TC	14.52	14.51	14.51	14.51	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	0.66	0.72	0.78	0.85	0.56	0.61	0.67	0.72	0.51	0.56	0.61	0.67	0.38	0.44	0.49	0.54
		PI	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98
	0	TC	14.45	14.44	14.44	14.44	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	0.67	0.73	0.78	0.85	0.56	0.61	0.68	0.73	0.51	0.56	0.62	0.68	0.38	0.44	0.49	0.54
		PI	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99
	5	TC	14.38	14.37	14.37	14.37	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	0.67	0.73	0.79	0.86	0.56	0.62	0.68	0.73	0.51	0.56	0.62	0.68	0.38	0.44	0.49	0.54
		PI	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
	10	TC	14.29	14.28	14.28	14.28	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	0.67	0.73	0.79	0.86	0.56	0.62	0.68	0.73	0.51	0.56	0.62	0.68	0.39	0.45	0.50	0.54
		PI	3.07	3.07	3.07	3.07	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06
	15	TC	14.18	14.16	14.16	14.16	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	0.68	0.74	0.80	0.87	0.57	0.62	0.69	0.74	0.52	0.57	0.63	0.69	0.39	0.45	0.50	0.55
		PI	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.13	3.13	3.13	3.13	3.12	3.12	3.12	3.12
	20	TC	14.02	14.00	14.00	14.00	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	0.68	0.74	0.80	0.87	0.57	0.63	0.69	0.74	0.52	0.57	0.63	0.69	0.39	0.45	0.50	0.55
		PI	3.25	3.25	3.25	3.25	3.24	3.24	3.24	3.24	3.23	3.23	3.23	3.23	3.21	3.21	3.21	3.21
	25	TC	13.37	13.37	13.37	13.37	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	0.68	0.75	0.81	0.88	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	3.59	3.59	3.59	3.59	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.59	3.59	3.59
	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	0.69	0.76	0.82	0.89	0.57	0.63	0.70	0.76	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	3.92	3.92	3.92	3.92	3.93	3.93	3.93	3.93	3.94	3.94	3.94	3.94	3.95	3.95	3.95	3.95
	35	TC	12.11	12.11	12.11	12.23	12.89	12.89	12.89	12.89	13.29	13.29	13.49	13.29	14.32	14.32	14.32	14.32
		S/T	0.69	0.76	0.84	0.91	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	4.29	4.29	4.29	4.29	4.30	4.30	4.30	4.30	4.31	4.31	4.32	4.31	4.34	4.34	4.34	4.34
	40	TC	11.40	11.40	11.40	11.51	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	0.71	0.78	0.86	0.94	0.57	0.65	0.72	0.80	0.51	0.58	0.66	0.73	0.37	0.44	0.50	0.57
		PI	4.73	4.73	4.73	4.73	4.75	4.75	4.75	4.75	4.76	4.76	4.77	4.76	4.80	4.80	4.80	4.80
	46	TC	10.55	10.55	10.55	10.67	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	0.71	0.79	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	0.57
		PI	5.26	5.26	5.26	5.26	5.29	5.29	5.29	5.29	5.30	5.30	5.30	5.30	5.35	5.35	5.35	5.35
	50	TC	9.89	9.89	9.98	10.06	10.58	10.58	10.58	10.58	10.92	10.92	10.92	10.92	11.84	11.84	11.84	11.84
		S/T	0.72	0.81	0.90	0.98	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	5.70	5.70	5.70	5.70	5.73	5.73	5.73	5.73	5.74	5.74	5.74	5.74	5.79	5.79	5.79	5.79
1700	-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	0.55	0.63	0.70	0.77	0.49	0.57	0.64	0.70	0.36	0.42	0.48	0.55
		PI	3.06	3.06	3.06	3.06	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.04	3.04	3.04	3.04
	-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	0.55	0.63	0.70	0.78	0.49	0.57	0.64	0.71	0.36	0.43	0.49	0.55
		PI	3.05	3.05	3.05	3.05	3.04	3.04	3.04	3.04	3.05	3.05	3.05	3.05	3.04	3.04	3.04	3.04
	-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	0.56	0.63	0.70	0.78	0.50	0.58	0.64	0.71	0.36	0.43	0.49	0.56
		PI	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05
	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	0.56	0.64	0.71	0.78	0.50	0.58	0.65	0.72	0.36	0.43	0.49	0.56
		PI	3.06	3.06	3.06	3.06	3.05	3.05	3.05	3.05	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06
	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	0.56	0.64	0.71	0.79	0.50	0.58	0.65	0.72	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	3.08	3.08	3.08	3.08
	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	0.56	0.64	0.71	0.79	0.50	0.58	0.65	0.72	0.37	0.44	0.50	0.56
		PI	3.14	3.14	3.14	3.14	3.12	3.12	3.12	3.12	3.13	3.13	3.13	3.13	3.12	3.12	3.12	3.12
	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	0.94	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	3.21	3.21	3.21	3.21	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.19	3.19	3.19	3.19
	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	0.94	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	3.32	3.32	3.32	3.32	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.28	3.28	3.28	3.28
	25	TC	13.67	13.67	13.67	13.81	14.50	14.50	14.50	14.50	14.93	14.93	14.93	14.93	16.08	16.08	16.08	16.08
		S/T	0.71	0.80	0.88	0.96	0.58	0.66	0.73	0.81	0.51	0.59	0.67	0.74	0.37	0.44	0.51	0.58
		PI	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66
	30	TC	13.01	13.01	13.15	13.29	13.84	13.84	13.84	13.84	14.27	14.27	14.27	14.27	15.36	15.36	15.36	15.36
		S/T	0.72	0.81	0.89	0.98	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	4.01	4.01	4.01	4.01	4.01	4.01	4.01	4.01	4.02	4.02	4.02	4.02	4.04	4.04	4.04	4.04
	35	TC	12.37	12.37	12.49	12.60	13.15	13.15	13.15	13.15	13.58	13.58	13.78	13.58	14.64	14.64	14.64	14.64
		S/T	0.73	0.82	0.91	1.00	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	4.38	4.38	4.38	4.38	4.39	4.39	4.39	4.39	4.40	4.40	4.41	4.40	4.40	4.40	4.40	4.40
	40	TC	11.66	11.66	11.78	11.89	12.42	12.42	12.42	12.48	12.83	12.83	12.94	12.83	13.85	13.85	13.85	13.85
		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	4.83	4.83	4.83	4.83	4.85	4.85	4.85	4.85	4.86	4.86	4.87	4.86	4.88	4.88	4.88	4.88
	46	TC	10.78	10.78	10.90	11.01	11.53	11.53	11.53	11.64	11.90	11.90	11.90	11.90	12.88	12.88	12.88	12.88
		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	5.37	5.37	5.37	5.37	5.40	5.40	5.40	5.40	5.41	5.41	5.41	5.41	5.46	5.46	5.46	5.46
	50	TC	10.12	10.24	10.35	10.47	10.84	10.84	10.84	10.95	11.18	11.18	11.18	11.18	12.13	12.13	12.13	12.13
		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	0.91
		PI	5.82	5.82	5.82	5.82	5.84	5.84	5.84	5.84	5.86	5.86	5.86	5.86	5.91	5.91	5.91	5.91

2000	-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	0.79	1.00	1.00	0.56	0.65	0.73	0.98	0.50	0.58	0.66	0.74	0.35	0.42	0.49	0.57
		PI	3.12	3.12	3.12	3.12	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.10	3.10	3.10	3.10
	-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	0.71	0.80	1.00	1.00	0.56	0.65	0.74	0.98	0.50	0.58	0.66	0.75	0.35	0.43	0.49	0.57
		PI	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.11	3.11	3.11	3.11
	-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	0.71	0.80	1.00	1.00	0.57	0.65	0.74	0.99	0.51	0.59	0.66	0.75	0.35	0.43	0.50	0.58
		PI	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.11	3.11	3.11	3.11
	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	0.72	0.80	1.00	1.00	0.57	0.66	0.74	0.99	0.51	0.59	0.67	0.75	0.35	0.43	0.50	0.58
		PI	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.12	3.12	3.12	3.12
	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	0.72	0.81	1.00	1.00	0.57	0.66	0.75	1.00	0.51	0.59	0.67	0.76	0.35	0.43	0.50	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	3.15	3.15	3.15	3.15
	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	0.72	0.81	1.00	1.00	0.57	0.66	0.75	1.00	0.51	0.59	0.67	0.76	0.36	0.44	0.50	0.58
		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
	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	0.73	0.82	0.91	1.00	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	3.27	3.27	3.27	3.27	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26
	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	0.73	0.82	0.91	1.00	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	3.38	3.38	3.38	3.38	3.37	3.37	3.37	3.37	3.36	3.36	3.36	3.36	3.35	3.35	3.35	3.35
	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	0.74	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	3.74	3.74	3.74	3.74	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.74	3.74	3.74	3.74
	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	0.75	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	4.09	4.09	4.09	4.09	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.12	4.12	4.12	4.12
	35	TC	12.63	12.63	12.75	12.86	13.44	13.44	13.44	13.58	13.87	13.87	**14.07**	13.87	14.96	14.96	14.96	14.96
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.90	0.52	0.62	**0.71**	0.81	0.35	0.44	0.53	0.62
		PI	4.47	4.47	4.47	4.47	4.48	4.48	4.48	4.48	4.49	4.49	**4.50**	4.49	4.52	4.52	4.52	4.52
	40	TC	11.91	11.96	12.07	12.19	12.69	12.69	12.69	12.82	13.09	13.09	13.20	13.09	14.14	14.14	14.14	14.14
		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	0.90
		PI	4.93	4.93	4.93	4.93	4.95	4.95	4.95	4.95	4.96	4.96	4.96	4.96	5.00	5.00	5.00	5.00
	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	0.80	0.92	1.00	1.00	0.62	0.73	0.85	0.96	0.53	0.64	0.76	0.87	0.34	0.44	0.54	0.92
		PI	5.48	5.48	5.48	5.48	5.51	5.51	5.51	5.51	5.52	5.52	5.52	5.52	5.57	5.57	5.57	5.57
	50	TC	10.35	10.47	10.58	10.70	11.07	11.07	11.07	11.18	11.41	11.41	11.41	11.53	12.39	12.39	12.39	12.39
		S/T	0.82	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	0.97
		PI	5.94	5.94	5.94	5.94	5.96	5.96	5.96	5.96	5.98	5.98	5.98	5.98	6.03	6.03	6.03	6.03

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(℃)	ID WB (℃)	16.0				18.0				19.0				22.0			
		ID DB (℃)	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
1500	-15	TC	15.98	15.98	15.98	15.98	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	0.66	0.72	0.79	0.85	0.55	0.61	0.67	0.72	0.49	0.55	0.61	0.68	0.38	0.42	0.48	0.54
		PI	3.50	3.51	3.51	3.50	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.48	3.48	3.48	3.48
	-10	TC	15.88	15.88	15.88	15.88	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	0.66	0.73	0.80	0.86	0.55	0.61	0.67	0.73	0.49	0.55	0.61	0.68	0.38	0.43	0.49	0.54
		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	3.48	3.48	3.48	3.48
	-5	TC	15.79	15.79	15.79	15.79	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	0.66	0.73	0.80	0.86	0.56	0.61	0.67	0.73	0.50	0.56	0.61	0.68	0.38	0.43	0.49	0.55
		PI	3.48	3.49	3.49	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.49	3.49	3.49	3.49
	0	TC	15.71	15.71	15.71	15.71	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	0.67	0.74	0.80	0.86	0.56	0.62	0.68	0.74	0.50	0.56	0.62	0.69	0.38	0.43	0.49	0.55
		PI	3.50	3.50	3.50	3.50	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.50	3.50	3.50	3.50
	5	TC	15.63	15.63	15.63	15.63	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	0.67	0.74	0.81	0.87	0.56	0.62	0.68	0.74	0.50	0.56	0.62	0.69	0.38	0.43	0.49	0.55
		PI	3.53	3.53	3.53	3.53	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.53	3.53	3.53	3.53
	10	TC	15.53	15.53	15.53	15.53	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	0.67	0.74	0.81	0.87	0.56	0.62	0.68	0.74	0.50	0.56	0.62	0.69	0.39	0.44	0.50	0.55
		PI	3.59	3.59	3.59	3.59	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.57	3.57	3.57	3.57
	15	TC	15.41	15.41	15.41	15.41	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	0.68	0.75	0.82	0.88	0.57	0.63	0.69	0.75	0.51	0.57	0.63	0.70	0.39	0.44	0.50	0.56
		PI	3.67	3.68	3.68	3.67	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.65	3.65	3.65	3.65
	20	TC	15.23	15.23	15.23	15.23	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	0.68	0.75	0.82	0.88	0.57	0.63	0.69	0.75	0.51	0.57	0.63	0.70	0.39	0.44	0.50	0.56
		PI	3.80	3.81	3.81	3.80	3.79	3.79	3.79	3.79	3.78	3.78	3.78	3.78	3.76	3.76	3.76	3.76
	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	0.69	0.76	0.83	0.89	0.57	0.63	0.70	0.76	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19
	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	0.69	0.77	0.84	0.91	0.57	0.64	0.71	0.78	0.51	0.58	0.64	0.71	0.38	0.44	0.50	0.56
		PI	4.59	4.59	4.59	4.59	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.62	4.62	4.62	4.62
	35	TC	13.17	13.17	13.17	13.31	14.00	14.00	14.00	14.00	14.43	14.43	14.66	14.43	15.58	15.58	15.58	15.58
		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	5.01	5.01	5.01	5.01	5.03	5.03	5.03	5.03	5.04	5.04	5.05	5.04	5.08	5.08	5.08	5.08
	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	0.72	0.80	0.88	0.96	0.58	0.66	0.73	0.81	0.51	0.59	0.67	0.74	0.37	0.44	0.51	0.58
		PI	5.54	5.54	5.54	5.54	5.56	5.56	5.56	5.56	5.57	5.57	5.58	5.57	5.61	5.61	5.61	5.61
	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	0.72	0.81	0.89	0.98	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	6.16	6.16	6.16	6.16	6.18	6.18	6.18	6.18	6.20	6.20	6.20	6.20	6.25	6.25	6.25	6.25
	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	0.74	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	0.51	0.59
		PI	6.67	6.67	6.67	6.67	6.70	6.70	6.70	6.70	6.71	6.71	6.71	6.71	6.77	6.77	6.77	6.77
1900	-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	0.56	0.63	0.70	0.78	0.49	0.57	0.64	0.71	0.36	0.42	0.49	0.56
		PI	3.57	3.57	3.57	3.57	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55
	-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	0.56	0.63	0.71	0.79	0.49	0.57	0.64	0.72	0.36	0.43	0.49	0.56
		PI	3.55	3.55	3.55	3.55	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55
	-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	0.57	0.63	0.71	0.79	0.50	0.58	0.64	0.72	0.36	0.43	0.50	0.57
		PI	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55
	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	0.57	0.64	0.72	0.79	0.50	0.58	0.65	0.73	0.36	0.43	0.50	0.57
		PI	3.56	3.56	3.56	3.56	3.55	3.55	3.55	3.55	3.56	3.56	3.56	3.56	3.57	3.57	3.57	3.57
	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	0.57	0.64	0.72	0.80	0.50	0.58	0.65	0.73	0.36	0.43	0.50	0.57
		PI	3.59	3.59	3.59	3.59	3.58	3.58	3.58	3.58	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59
	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	0.57	0.64	0.72	0.80	0.50	0.58	0.65	0.73	0.37	0.44	0.50	0.57
		PI	3.65	3.65	3.65	3.65	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64
	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	0.88	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	3.74	3.74	3.74	3.74	3.72	3.72	3.72	3.72	3.73	3.73	3.73	3.73	3.72	3.72	3.72	3.72
	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	0.88	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	3.87	3.87	3.87	3.87	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.83	3.83	3.83	3.83
	25	TC	14.81	14.81	14.95	15.10	15.73	15.73	15.73	15.73	16.22	16.22	16.22	16.22	17.45	17.45	17.45	17.45
		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	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26
	30	TC	14.12	14.12	14.26	14.41	15.01	15.01	15.01	15.01	15.47	15.47	15.47	15.47	16.68	16.68	16.68	16.68
		S/T	0.73	0.82	0.91	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	4.67	4.67	4.67	4.67	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.70	4.70	4.70	4.70
	35	TC	13.40	13.40	13.54	13.69	14.29	14.29	14.29	14.29	14.72	14.72	14.95	14.72	15.87	15.87	15.87	15.87
		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	5.10	5.10	5.10	5.10	5.12	5.12	5.12	5.12	5.13	5.13	5.14	5.13	5.13	5.13	5.13	5.13
	40	TC	12.62	12.62	12.75	12.88	13.46	13.46	13.46	13.51	13.87	13.87	14.00	13.87	14.98	14.98	14.98	14.98
		S/T	0.76	0.87	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	5.63	5.63	5.63	5.63	5.65	5.65	5.65	5.65	5.66	5.66	5.67	5.66	5.69	5.69	5.69	5.69
	46	TC	11.69	11.69	11.81	11.92	12.47	12.47	12.47	12.58	12.87	12.87	12.87	12.87	13.93	13.93	13.93	13.93
		S/T	0.77	0.88	0.99	1.00	0.60	0.71	0.81	0.91	0.53	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	6.26	6.26	6.26	6.26	6.29	6.29	6.29	6.29	6.30	6.30	6.30	6.30	6.36	6.36	6.36	6.36
	50	TC	10.98	11.09	11.21	11.32	11.72	11.72	11.72	11.84	12.12	12.12	12.12	12.12	13.13	13.13	13.13	13.13
		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	0.91
		PI	6.78	6.78	6.78	6.78	6.81	6.81	6.81	6.81	6.83	6.83	6.83	6.83	6.88	6.88	6.88	6.88

2200	-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	0.80	1.00	1.00	0.57	0.65	0.73	0.98	0.50	0.58	0.67	0.74	0.35	0.42	0.50	0.58
		PI	3.64	3.64	3.64	3.64	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.62	3.62	3.62	3.62
	-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	0.71	0.81	1.00	1.00	0.57	0.65	0.74	0.98	0.50	0.58	0.67	0.75	0.35	0.43	0.50	0.58
		PI	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62
	-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	0.71	0.81	1.00	1.00	0.58	0.65	0.74	0.99	0.51	0.59	0.67	0.75	0.35	0.43	0.51	0.59
		PI	3.61	3.61	3.61	3.61	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.63	3.63	3.63	3.63
	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	0.72	0.81	1.00	1.00	0.58	0.66	0.74	0.99	0.51	0.59	0.68	0.75	0.35	0.43	0.51	0.59
		PI	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.64	3.64	3.64	3.64
	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	0.72	0.82	1.00	1.00	0.58	0.66	0.75	1.00	0.51	0.59	0.68	0.76	0.35	0.43	0.51	0.59
		PI	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.67	3.67	3.67	3.67
	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	0.72	0.82	1.00	1.00	0.58	0.66	0.75	1.00	0.51	0.59	0.68	0.76	0.36	0.44	0.51	0.59
		PI	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72
	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	0.73	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	0.60
		PI	3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.80	3.80	3.80	3.80	3.79	3.79	3.79	3.79
	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	0.73	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	0.60
		PI	3.95	3.95	3.95	3.95	3.94	3.94	3.94	3.94	3.93	3.93	3.93	3.93	3.91	3.91	3.91	3.91
	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	0.75	0.84	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	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35
	30	TC	14.41	14.41	14.55	14.69	15.30	15.30	15.30	15.44	15.79	15.79	15.79	15.79	16.99	16.99	16.99	16.99
		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	4.77	4.77	4.77	4.77	4.78	4.78	4.78	4.78	4.78	4.78	4.78	4.78	4.80	4.80	4.80	4.80
	35	TC	13.66	13.66	13.80	13.95	14.55	14.55	14.55	14.69	15.01	15.01	**15.24**	15.01	16.19	16.19	16.19	16.19
		S/T	0.77	0.88	0.98	1.00	0.60	0.70	0.81	0.90	0.52	0.62	**0.72**	0.82	0.35	0.44	0.53	0.62
		PI	5.21	5.21	5.21	5.21	5.23	5.23	5.23	5.23	5.24	5.24	**5.25**	5.24	5.28	5.28	5.28	5.28
	40	TC	12.86	12.92	13.05	13.18	13.72	13.72	13.72	13.85	14.15	14.15	14.27	14.15	15.29	15.29	15.29	15.29
		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	0.90
		PI	5.75	5.75	5.75	5.75	5.77	5.77	5.77	5.77	5.78	5.78	5.79	5.78	5.83	5.83	5.83	5.83
	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	0.81	0.93	1.00	1.00	0.62	0.74	0.85	0.97	0.54	0.65	0.76	0.87	0.34	0.44	0.55	0.92
		PI	6.39	6.39	6.39	6.39	6.42	6.42	6.42	6.42	6.44	6.44	6.44	6.44	6.49	6.49	6.49	6.49
	50	TC	11.18	11.29	11.41	11.52	11.95	11.95	11.95	12.07	12.35	12.35	12.35	12.47	13.39	13.39	13.39	13.39
		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	0.34	0.45	0.56	0.97
		PI	6.92	6.92	6.92	6.92	6.95	6.95	6.95	6.95	6.97	6.97	6.97	6.97	7.03	7.03	7.03	7.03

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.

7.2 Heating

9k									[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
450	-20.0	2.12	2.09	2.09	2.07	0.83	0.86	0.84	0.85
	-15.0	2.29	2.26	2.26	2.24	0.90	0.94	0.92	0.93
	-10.0	2.44	2.42	2.42	2.39	0.96	1.00	0.98	0.99
	-7.0	2.56	2.53	2.53	2.50	1.02	1.06	1.04	1.05
	-5.6	2.56	2.53	2.53	2.50	1.00	1.01	1.02	1.03
	-2.8	2.56	2.53	2.53	2.50	0.96	0.97	0.98	0.98
	0.0	2.53	2.50	2.47	2.47	0.92	0.93	0.93	0.94
	2.8	2.59	2.56	2.53	2.53	0.90	0.90	0.90	0.90
	5.6	2.74	2.71	2.68	2.65	0.87	0.87	0.88	0.88
	7.0	2.87	2.84	2.81	2.79	0.84	0.83	0.85	0.85
	11.1	2.96	2.90	2.90	2.87	0.79	0.79	0.79	0.79
	13.9	3.02	2.96	2.93	2.93	0.75	0.75	0.75	0.75
	16.7	3.08	3.02	2.99	2.96	0.72	0.72	0.71	0.71
	18.0	3.08	3.05	3.02	2.99	0.70	0.70	0.70	0.70
540	-20.0	2.12	2.12	2.10	2.10	0.84	0.87	0.86	0.87
	-15.0	2.30	2.30	2.27	2.27	0.92	0.95	0.94	0.95
	-10.0	2.45	2.45	2.43	2.43	0.98	1.01	1.00	1.01
	-7.0	2.57	2.57	2.54	2.54	1.04	1.08	1.06	1.07
	-5.6	2.59	2.59	2.56	2.56	1.01	1.03	1.03	1.04
	-2.8	2.59	2.59	2.56	2.56	0.97	0.98	0.99	1.00
	0.0	2.59	2.53	2.53	2.50	0.93	0.94	0.95	0.95
	2.8	2.65	2.59	2.59	2.56	0.90	0.91	0.91	0.91
	5.6	2.79	2.74	2.74	2.71	0.88	0.88	0.89	0.89
	7.0	2.96	2.90	2.87	2.84	0.85	0.84	0.86	0.86
	11.1	3.02	2.96	2.96	2.93	0.80	0.80	0.80	0.80
	13.9	3.08	3.02	3.02	2.99	0.76	0.76	0.76	0.76
	16.7	3.13	3.08	3.05	3.05	0.72	0.72	0.72	0.72
	18.0	3.16	3.10	3.08	3.08	0.71	0.70	0.70	0.70
620	-20.0	2.16	2.14	2.14	2.12	0.84	0.87	0.86	0.87
	-15.0	2.34	2.32	2.32	2.29	0.92	0.96	0.94	0.95
	-10.0	2.50	2.47	2.47	2.44	0.98	1.02	1.00	1.01
	-7.0	2.62	2.59	2.59	2.56	1.04	1.08	1.06	1.07
	-5.6	2.62	2.59	2.59	2.56	1.02	1.03	1.04	1.05
	-2.8	2.62	2.59	2.59	2.56	0.98	0.99	1.00	1.00
	0.0	2.59	2.56	2.56	2.53	0.94	0.95	0.95	0.96
	2.8	2.65	2.62	2.62	2.59	0.91	0.92	0.92	0.92
	5.6	2.82	2.76	2.76	2.74	0.89	0.89	0.90	0.90
	7.0	2.99	2.93	2.90	2.87	0.86	0.85	0.87	0.87
	11.1	3.05	2.99	2.99	2.96	0.81	0.81	0.81	0.81
	13.9	3.10	3.05	3.05	3.02	0.77	0.77	0.77	0.77
	16.7	3.16	3.10	3.10	3.08	0.74	0.74	0.73	0.73
	18.0	3.19	3.13	3.13	3.10	0.72	0.72	0.72	0.72

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

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
470	-20.0	2.37	2.35	2.32	2.32	1.05	1.09	1.09	1.09
	-15.0	2.57	2.54	2.52	2.52	1.15	1.19	1.19	1.20
	-10.0	2.74	2.71	2.69	2.69	1.23	1.27	1.27	1.28
	-7.0	2.87	2.84	2.81	2.81	1.31	1.35	1.35	1.36
	-5.6	2.96	2.93	2.90	2.90	1.29	1.32	1.33	1.35
	-2.8	3.02	2.99	2.96	2.96	1.27	1.30	1.31	1.33
	0.0	3.05	3.02	2.99	2.99	1.25	1.28	1.29	1.30
	2.8	3.19	3.16	3.13	3.10	1.24	1.27	1.28	1.30
	5.6	3.45	3.42	3.39	3.36	1.24	1.26	1.27	1.29
	7.0	3.73	3.69	3.61	3.61	1.24	1.26	1.27	1.28
	11.1	3.90	3.84	3.81	3.81	1.22	1.24	1.25	1.26
	13.9	4.04	3.98	3.96	3.93	1.20	1.22	1.24	1.25
	16.7	4.19	4.13	4.10	4.07	1.19	1.21	1.22	1.23
	18.0	4.25	4.19	4.16	4.13	1.18	1.20	1.21	1.22
570	-20.0	2.42	2.39	2.37	2.37	1.06	1.10	1.09	1.11
	-15.0	2.62	2.59	2.57	2.57	1.16	1.20	1.20	1.21
	-10.0	2.79	2.77	2.74	2.74	1.24	1.28	1.28	1.30
	-7.0	2.93	2.90	2.87	2.87	1.32	1.36	1.36	1.38
	-5.6	3.02	2.99	2.96	2.96	1.31	1.34	1.35	1.36
	-2.8	3.07	3.05	3.02	3.02	1.29	1.32	1.33	1.34
	0.0	3.13	3.07	3.07	3.05	1.27	1.29	1.31	1.32
	2.8	3.28	3.22	3.22	3.19	1.26	1.29	1.30	1.31
	5.6	3.54	3.48	3.45	3.45	1.25	1.28	1.29	1.30
	7.0	3.84	3.78	3.69	3.66	1.25	1.27	1.29	1.29
	11.1	3.98	3.96	3.93	3.90	1.23	1.25	1.27	1.28
	13.9	4.16	4.10	4.07	4.04	1.22	1.24	1.25	1.26
	16.7	4.30	4.25	4.22	4.19	1.20	1.22	1.23	1.25
	18.0	4.36	4.30	4.28	4.25	1.19	1.22	1.23	1.24
660	-20.0	2.44	2.42	2.40	2.40	1.08	1.11	1.11	1.12
	-15.0	2.64	2.62	2.59	2.59	1.18	1.21	1.21	1.22
	-10.0	2.82	2.80	2.77	2.77	1.26	1.30	1.30	1.30
	-7.0	2.96	2.93	2.90	2.90	1.34	1.38	1.38	1.39
	-5.6	3.05	3.02	2.99	2.99	1.32	1.35	1.36	1.38
	-2.8	3.10	3.07	3.05	3.05	1.30	1.33	1.34	1.36
	0.0	3.16	3.10	3.10	3.07	1.28	1.31	1.32	1.33
	2.8	3.31	3.25	3.22	3.22	1.27	1.30	1.31	1.33
	5.6	3.57	3.51	3.48	3.48	1.27	1.29	1.30	1.32
	7.0	3.87	3.81	3.72	3.69	1.27	1.29	1.29	1.31
	11.1	4.01	3.98	3.96	3.93	1.24	1.27	1.28	1.29
	13.9	4.19	4.13	4.10	4.07	1.23	1.25	1.27	1.28
	16.7	4.33	4.28	4.25	4.19	1.22	1.24	1.25	1.26
	18.0	4.39	4.33	4.30	4.28	1.21	1.23	1.24	1.25

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

18k									[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
650	-20.0	3.95	3.90	3.87	3.85	1.44	1.49	1.48	1.49
	-15.0	4.27	4.22	4.19	4.17	1.57	1.63	1.62	1.63
	-10.0	4.56	4.50	4.48	4.45	1.68	1.73	1.72	1.73
	-7.0	4.78	4.72	4.69	4.66	1.78	1.84	1.83	1.84
	-5.6	4.86	4.81	4.78	4.75	1.75	1.78	1.80	1.81
	-2.8	4.92	4.86	4.84	4.81	1.70	1.73	1.74	1.76
	0.0	4.95	4.89	4.84	4.81	1.65	1.68	1.69	1.70
	2.8	5.12	5.07	5.04	5.01	1.62	1.64	1.66	1.67
	5.6	5.50	5.41	5.39	5.36	1.59	1.61	1.62	1.63
	7.0	5.93	5.83	5.72	5.69	1.58	1.59	1.62	1.62
	11.1	6.12	6.04	6.01	5.95	1.52	1.54	1.55	1.56
	13.9	6.33	6.24	6.18	6.12	1.48	1.50	1.51	1.52
	16.7	6.50	6.41	6.36	6.33	1.44	1.46	1.46	1.47
	18.0	6.59	6.50	6.44	6.41	1.42	1.44	1.44	1.45
780	-20.0	4.02	3.97	3.95	3.92	1.45	1.50	1.49	1.50
	-15.0	4.35	4.30	4.27	4.24	1.59	1.64	1.63	1.64
	-10.0	4.64	4.59	4.56	4.53	1.70	1.75	1.74	1.75
	-7.0	4.86	4.80	4.78	4.75	1.80	1.86	1.85	1.86
	-5.6	4.95	4.89	4.86	4.84	1.77	1.80	1.82	1.83
	-2.8	5.01	4.95	4.92	4.89	1.72	1.75	1.76	1.78
	0.0	5.04	4.98	4.95	4.92	1.67	1.70	1.71	1.72
	2.8	5.24	5.15	5.12	5.10	1.64	1.66	1.67	1.69
	5.6	5.62	5.53	5.50	5.44	1.60	1.63	1.64	1.65
	7.0	6.04	5.95	5.83	5.81	1.60	1.60	1.62	1.63
	11.1	6.24	6.15	6.12	6.07	1.54	1.56	1.56	1.57
	13.9	6.44	6.36	6.30	6.27	1.50	1.51	1.52	1.53
	16.7	6.65	6.53	6.50	6.44	1.45	1.47	1.47	1.48
	18.0	6.73	6.65	6.59	6.53	1.43	1.45	1.45	1.46
900	-20.0	4.06	4.02	3.99	3.97	1.47	1.52	1.51	1.52
	-15.0	4.40	4.35	4.32	4.30	1.61	1.66	1.65	1.66
	-10.0	4.70	4.64	4.62	4.59	1.72	1.77	1.76	1.77
	-7.0	4.92	4.86	4.84	4.81	1.82	1.88	1.87	1.88
	-5.6	5.01	4.95	4.92	4.89	1.79	1.82	1.83	1.85
	-2.8	5.07	5.01	4.98	4.95	1.74	1.77	1.78	1.79
	0.0	5.10	5.04	5.01	4.95	1.69	1.71	1.73	1.74
	2.8	5.30	5.21	5.18	5.15	1.65	1.68	1.69	1.70
	5.6	5.65	5.59	5.56	5.50	1.62	1.64	1.65	1.66
	7.0	6.07	6.01	5.89	5.86	1.61	1.62	1.64	1.65
	11.1	6.30	6.21	6.18	6.12	1.55	1.57	1.58	1.59
	13.9	6.50	6.41	6.36	6.33	1.51	1.53	1.53	1.54
	16.7	6.70	6.59	6.56	6.50	1.47	1.48	1.49	1.50
	18.0	6.79	6.70	6.65	6.59	1.45	1.46	1.47	1.47

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
700	-20.0	5.90	5.85	5.83	5.80	2.31	2.39	2.33	2.34
	-15.0	6.38	6.33	6.31	6.28	2.53	2.62	2.55	2.56
	-10.0	6.82	6.76	6.73	6.71	2.70	2.79	2.72	2.73
	-7.0	7.14	7.08	7.05	7.03	2.87	2.97	2.89	2.90
	-5.6	7.11	7.05	7.03	7.00	2.77	2.79	2.79	2.80
	-2.8	7.08	7.03	6.97	6.94	2.60	2.61	2.61	2.62
	0.0	6.97	6.91	6.85	6.82	2.43	2.43	2.43	2.43
	2.8	7.11	7.00	6.97	6.91	2.29	2.28	2.28	2.27
	5.6	7.46	7.35	7.32	7.26	2.14	2.12	2.12	2.11
	7.0	7.86	7.74	7.65	7.62	2.07	1.96	2.04	2.03
	11.1	8.00	7.88	7.83	7.77	1.83	1.80	1.78	1.77
	13.9	8.12	8.00	7.94	7.88	1.67	1.63	1.61	1.59
	16.7	8.23	8.12	8.06	7.97	1.51	1.47	1.45	1.43
	18.0	8.29	8.17	8.09	8.03	1.44	1.39	1.37	1.34
1000	-20.0	6.01	5.96	5.94	5.89	2.33	2.42	2.35	2.36
	-15.0	6.50	6.45	6.43	6.37	2.55	2.64	2.58	2.58
	-10.0	6.95	6.89	6.86	6.81	2.72	2.82	2.75	2.76
	-7.0	7.28	7.22	7.19	7.13	2.89	3.00	2.92	2.93
	-5.6	7.26	7.20	7.17	7.11	2.80	2.81	2.82	2.83
	-2.8	7.23	7.14	7.11	7.08	2.63	2.63	2.64	2.64
	0.0	7.11	7.03	7.00	6.94	2.45	2.45	2.45	2.45
	2.8	7.23	7.14	7.08	7.05	2.31	2.30	2.30	2.30
	5.6	7.61	7.49	7.43	7.40	2.16	2.15	2.14	2.13
	7.0	8.01	7.88	7.80	7.77	2.09	1.98	2.06	2.05
	11.1	8.15	8.03	7.97	7.91	1.85	1.82	1.80	1.79
	13.9	8.26	8.15	8.09	8.03	1.69	1.65	1.63	1.61
	16.7	8.38	8.26	8.20	8.15	1.52	1.49	1.47	1.44
	18.0	8.44	8.32	8.26	8.17	1.46	1.41	1.38	1.36
1200	-20.0	6.09	6.02	6.00	5.97	2.35	2.44	2.38	2.39
	-15.0	6.59	6.51	6.49	6.46	2.58	2.67	2.60	2.61
	-10.0	7.04	6.96	6.93	6.90	2.75	2.85	2.78	2.78
	-7.0	7.37	7.29	7.26	7.23	2.92	3.03	2.95	2.96
	-5.6	7.35	7.26	7.23	7.20	2.83	2.84	2.85	2.86
	-2.8	7.29	7.23	7.17	7.14	2.65	2.66	2.66	2.67
	0.0	7.17	7.11	7.05	7.03	2.48	2.48	2.48	2.48
	2.8	7.32	7.23	7.17	7.11	2.34	2.33	2.32	2.32
	5.6	7.66	7.58	7.52	7.49	2.18	2.17	2.16	2.15
	7.0	8.06	7.97	7.88	7.86	2.11	2.00	2.08	2.07
	11.1	8.23	8.12	8.06	8.00	1.87	1.84	1.82	1.80
	13.9	8.35	8.23	8.17	8.12	1.70	1.66	1.64	1.63
	16.7	8.49	8.35	8.29	8.23	1.54	1.50	1.48	1.46
	18.0	8.55	8.41	8.35	8.29	1.47	1.42	1.40	1.37

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

30k									[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
900	-20.0	6.17	6.10	6.07	6.05	2.26	2.34	2.31	2.33
	-15.0	6.68	6.60	6.57	6.55	2.48	2.56	2.53	2.55
	-10.0	7.13	7.05	7.02	6.99	2.64	2.74	2.70	2.72
	-7.0	7.47	7.38	7.35	7.32	2.81	2.91	2.87	2.89
	-5.6	7.59	7.50	7.47	7.44	2.76	2.79	2.81	2.83
	-2.8	7.70	7.61	7.59	7.53	2.66	2.69	2.71	2.72
	0.0	7.73	7.64	7.59	7.56	2.56	2.59	2.60	2.62
	2.8	8.05	7.93	7.88	7.82	2.48	2.51	2.52	2.53
	5.6	8.60	8.51	8.46	8.40	2.40	2.43	2.44	2.45
	7.0	9.21	9.12	8.94	8.89	2.38	2.36	2.41	2.42
	11.1	9.58	9.44	9.38	9.32	2.25	2.26	2.27	2.28
	13.9	9.87	9.73	9.67	9.61	2.16	2.17	2.18	2.18
	16.7	10.16	10.02	9.96	9.87	2.07	2.08	2.08	2.08
	18.0	10.31	10.16	10.10	10.02	2.03	2.03	2.04	2.04
1200	-20.0	6.28	6.21	6.19	6.17	2.29	2.37	2.34	2.35
	-15.0	6.80	6.72	6.70	6.67	2.50	2.59	2.56	2.57
	-10.0	7.26	7.18	7.15	7.12	2.67	2.76	2.73	2.75
	-7.0	7.61	7.52	7.49	7.46	2.84	2.93	2.90	2.92
	-5.6	7.73	7.64	7.61	7.59	2.78	2.82	2.84	2.86
	-2.8	7.85	7.76	7.73	7.67	2.68	2.71	2.73	2.75
	0.0	7.88	7.79	7.73	7.70	2.58	2.61	2.62	2.64
	2.8	8.20	8.08	8.02	7.99	2.50	2.53	2.54	2.55
	5.6	8.78	8.66	8.60	8.54	2.42	2.45	2.46	2.47
	7.0	9.42	9.29	9.12	9.06	2.40	2.38	2.43	2.44
	11.1	9.76	9.61	9.55	9.49	2.27	2.28	2.29	2.30
	13.9	10.08	9.93	9.84	9.79	2.18	2.19	2.19	2.20
	16.7	10.37	10.22	10.13	10.08	2.09	2.10	2.10	2.10
	18.0	10.51	10.37	10.28	10.22	2.05	2.05	2.05	2.05
1500	-20.0	6.31	6.27	6.22	6.20	2.31	2.39	2.36	2.38
	-15.0	6.83	6.78	6.73	6.70	2.53	2.62	2.58	2.60
	-10.0	7.29	7.24	7.19	7.16	2.70	2.79	2.75	2.77
	-7.0	7.64	7.59	7.53	7.50	2.87	2.97	2.93	2.95
	-5.6	7.79	7.73	7.67	7.64	2.81	2.85	2.87	2.89
	-2.8	7.93	7.85	7.79	7.76	2.71	2.74	2.76	2.78
	0.0	7.96	7.85	7.82	7.76	2.60	2.64	2.65	2.67
	2.8	8.25	8.17	8.11	8.05	2.53	2.55	2.56	2.58
	5.6	8.86	8.75	8.69	8.63	2.45	2.47	2.48	2.49
	7.0	9.50	9.38	9.20	9.15	2.42	2.40	2.45	2.46
	11.1	9.84	9.73	9.64	9.58	2.29	2.30	2.31	2.31
	13.9	10.16	10.02	9.96	9.87	2.20	2.20	2.21	2.21
	16.7	10.48	10.31	10.25	10.16	2.10	2.11	2.11	2.11
	18.0	10.63	10.45	10.39	10.31	2.06	2.06	2.06	2.07

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

36k+MOD30U-36HFN8-QRD0W(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
1100	-20.0	7.37	7.30	7.26	7.21	3.08	3.19	3.15	3.17
	-15.0	7.98	7.90	7.85	7.80	3.37	3.49	3.44	3.47
	-10.0	8.52	8.44	8.38	8.33	3.60	3.72	3.67	3.70
	-7.0	8.92	8.84	8.78	8.73	3.82	3.95	3.90	3.93
	-5.6	9.16	9.07	9.01	8.96	3.74	3.79	3.82	3.84
	-2.8	9.36	9.24	9.19	9.16	3.61	3.66	3.68	3.70
	0.0	9.45	9.33	9.27	9.22	3.48	3.52	3.54	3.56
	2.8	9.88	9.77	9.71	9.62	3.37	3.40	3.42	3.44
	5.6	10.66	10.52	10.46	10.38	3.26	3.29	3.31	3.32
	7.0	11.53	11.38	11.14	11.06	3.22	3.19	3.26	3.27
	11.1	12.01	11.84	11.75	11.67	3.04	3.06	3.07	3.07
	13.9	12.45	12.27	12.19	12.10	2.92	2.93	2.94	2.94
	16.7	12.88	12.68	12.59	12.51	2.80	2.80	2.81	2.81
	18.0	13.09	12.88	12.80	12.71	2.74	2.74	2.74	2.75
1400	-20.0	7.55	7.46	7.41	7.39	3.12	3.22	3.18	3.20
	-15.0	8.17	8.07	8.02	7.99	3.41	3.52	3.48	3.51
	-10.0	8.72	8.62	8.56	8.54	3.64	3.76	3.71	3.74
	-7.0	9.14	9.03	8.97	8.94	3.86	3.99	3.94	3.97
	-5.6	9.36	9.24	9.19	9.16	3.78	3.83	3.86	3.88
	-2.8	9.56	9.45	9.39	9.33	3.65	3.70	3.71	3.73
	0.0	9.65	9.53	9.48	9.42	3.51	3.55	3.57	3.59
	2.8	10.09	9.97	9.88	9.82	3.40	3.44	3.46	3.47
	5.6	10.90	10.75	10.66	10.61	3.30	3.33	3.34	3.36
	7.0	11.76	11.61	11.38	11.29	3.25	3.22	3.29	3.30
	11.1	12.25	12.07	11.98	11.93	3.07	3.08	3.09	3.10
	13.9	12.68	12.51	12.42	12.33	2.94	2.96	2.96	2.97
	16.7	13.12	12.94	12.86	12.77	2.82	2.83	2.83	2.83
	18.0	13.35	13.15	13.06	12.97	2.76	2.77	2.77	2.77
1700	-20.0	7.61	7.54	7.49	7.45	3.15	3.25	3.21	3.24
	-15.0	8.24	8.16	8.11	8.06	3.44	3.56	3.51	3.54
	-10.0	8.79	8.71	8.66	8.61	3.67	3.79	3.75	3.78
	-7.0	9.21	9.13	9.07	9.02	3.90	4.03	3.98	4.01
	-5.6	9.45	9.36	9.30	9.24	3.81	3.87	3.89	3.92
	-2.8	9.65	9.56	9.51	9.45	3.68	3.72	3.74	3.77
	0.0	9.77	9.62	9.56	9.51	3.54	3.58	3.60	3.63
	2.8	10.20	10.06	10.00	9.94	3.44	3.47	3.49	3.51
	5.6	10.98	10.84	10.78	10.69	3.33	3.36	3.37	3.39
	7.0	11.88	11.72	11.49	11.40	3.28	3.25	3.32	3.33
	11.1	12.36	12.19	12.13	12.04	3.10	3.11	3.12	3.13
	13.9	12.80	12.62	12.54	12.45	2.97	2.98	2.99	3.00
	16.7	13.26	13.06	12.97	12.88	2.85	2.85	2.86	2.86
	18.0	13.46	13.26	13.17	13.09	2.79	2.79	2.79	2.79

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
1100	-20.0	7.10	7.03	6.99	6.94	3.07	3.17	3.14	3.16
	-15.0	7.69	7.61	7.56	7.51	3.36	3.47	3.44	3.46
	-10.0	8.21	8.13	8.07	8.02	3.58	3.70	3.66	3.69
	-7.0	8.60	8.51	8.46	8.40	3.80	3.93	3.89	3.92
	-5.6	8.89	8.80	8.74	8.69	3.73	3.78	3.81	3.84
	-2.8	9.15	9.04	8.98	8.95	3.61	3.66	3.69	3.70
	0.0	9.30	9.18	9.12	9.06	3.48	3.53	3.55	3.57
	2.8	9.79	9.67	9.62	9.53	3.39	3.43	3.45	3.47
	5.6	10.63	10.49	10.43	10.34	3.30	3.33	3.35	3.37
	7.0	11.53	11.38	11.11	11.03	3.26	3.24	3.30	3.32
	11.1	12.07	11.90	11.81	11.72	3.09	3.12	3.13	3.14
	13.9	12.56	12.39	12.30	12.22	2.98	3.00	3.01	3.02
	16.7	13.06	12.86	12.77	12.68	2.87	2.89	2.89	2.90
	18.0	13.29	13.09	13.00	12.91	2.82	2.83	2.84	2.84
1400	-20.0	7.28	7.18	7.14	7.11	3.10	3.21	3.17	3.20
	-15.0	7.88	7.78	7.72	7.70	3.39	3.51	3.47	3.50
	-10.0	8.41	8.30	8.25	8.22	3.62	3.74	3.70	3.73
	-7.0	8.81	8.70	8.64	8.61	3.84	3.97	3.93	3.96
	-5.6	9.09	8.98	8.92	8.89	3.77	3.82	3.85	3.88
	-2.8	9.36	9.24	9.18	9.12	3.65	3.70	3.71	3.74
	0.0	9.50	9.38	9.33	9.27	3.52	3.56	3.59	3.61
	2.8	9.99	9.88	9.79	9.73	3.42	3.46	3.48	3.50
	5.6	10.87	10.72	10.63	10.58	3.33	3.36	3.38	3.40
	7.0	11.76	11.61	11.35	11.26	3.29	3.27	3.33	3.35
	11.1	12.30	12.13	12.07	11.98	3.12	3.14	3.16	3.17
	13.9	12.80	12.62	12.54	12.45	3.01	3.03	3.04	3.05
	16.7	13.29	13.12	13.03	12.94	2.90	2.91	2.92	2.92
	18.0	13.55	13.35	13.26	13.17	2.84	2.85	2.86	2.87
1700	-20.0	7.32	7.25	7.20	7.15	3.13	3.24	3.20	3.22
	-15.0	7.92	7.84	7.79	7.74	3.43	3.54	3.51	3.52
	-10.0	8.46	8.38	8.32	8.27	3.65	3.78	3.74	3.76
	-7.0	8.86	8.77	8.72	8.66	3.88	4.01	3.97	3.99
	-5.6	9.15	9.06	9.01	8.95	3.80	3.86	3.89	3.91
	-2.8	9.44	9.33	9.27	9.21	3.68	3.72	3.75	3.77
	0.0	9.59	9.47	9.41	9.36	3.55	3.60	3.62	3.64
	2.8	10.11	9.97	9.91	9.82	3.46	3.50	3.52	3.54
	5.6	10.95	10.81	10.75	10.66	3.36	3.39	3.41	3.43
	7.0	11.88	11.72	11.46	11.38	3.32	3.30	3.36	3.38
	11.1	12.42	12.27	12.19	12.10	3.15	3.17	3.19	3.20
	13.9	12.94	12.77	12.68	12.59	3.04	3.05	3.06	3.07
	16.7	13.44	13.26	13.17	13.06	2.92	2.94	2.94	2.95
	18.0	13.70	13.49	13.41	13.29	2.87	2.88	2.88	2.89

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

42k									[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	-20.0	8.03	7.93	7.89	7.84	3.24	3.36	3.32	3.35
	-15.0	8.68	8.58	8.53	8.48	3.55	3.67	3.64	3.66
	-10.0	9.27	9.17	9.11	9.06	3.79	3.92	3.88	3.91
	-7.0	9.71	9.60	9.55	9.49	4.02	4.16	4.12	4.15
	-5.6	10.07	9.95	9.89	9.83	3.95	4.01	4.04	4.07
	-2.8	10.39	10.27	10.21	10.15	3.82	3.88	3.91	3.94
	0.0	10.59	10.47	10.39	10.33	3.71	3.75	3.77	3.80
	2.8	11.20	11.05	10.97	10.91	3.62	3.66	3.69	3.71
	5.6	12.18	12.04	11.95	11.87	3.53	3.57	3.59	3.61
	7.0	13.23	13.08	12.76	12.67	3.48	3.47	3.53	3.55
	11.1	13.89	13.71	13.63	13.51	3.32	3.35	3.36	3.38
	13.9	14.50	14.29	14.18	14.09	3.21	3.23	3.25	3.26
	16.7	15.08	14.87	14.76	14.67	3.11	3.12	3.13	3.14
	18.0	15.37	15.16	15.05	14.93	3.06	3.07	3.08	3.09
1700	-20.0	8.18	8.09	8.04	8.00	3.28	3.39	3.36	3.38
	-15.0	8.85	8.75	8.70	8.65	3.58	3.71	3.67	3.70
	-10.0	9.45	9.35	9.29	9.24	3.82	3.95	3.92	3.94
	-7.0	9.90	9.79	9.74	9.68	4.06	4.20	4.16	4.19
	-5.6	10.27	10.15	10.10	10.04	3.99	4.05	4.08	4.11
	-2.8	10.62	10.47	10.42	10.36	3.86	3.92	3.95	3.98
	0.0	10.82	10.68	10.62	10.53	3.74	3.79	3.81	3.84
	2.8	11.43	11.26	11.20	11.11	3.65	3.70	3.71	3.74
	5.6	12.42	12.27	12.18	12.10	3.56	3.61	3.63	3.65
	7.0	13.49	13.34	13.02	12.93	3.51	3.51	3.57	3.59
	11.1	14.18	13.97	13.89	13.80	3.35	3.39	3.40	3.42
	13.9	14.79	14.58	14.47	14.38	3.25	3.27	3.29	3.30
	16.7	15.40	15.16	15.08	14.96	3.14	3.16	3.17	3.18
	18.0	15.69	15.45	15.34	15.25	3.10	3.11	3.11	3.12
2000	-20.0	8.29	8.17	8.13	8.08	3.31	3.42	3.39	3.41
	-15.0	8.97	8.84	8.79	8.74	3.62	3.74	3.71	3.73
	-10.0	9.58	9.44	9.39	9.34	3.86	3.99	3.95	3.98
	-7.0	10.03	9.89	9.84	9.78	4.10	4.24	4.20	4.23
	-5.6	10.39	10.24	10.18	10.13	4.03	4.09	4.12	4.15
	-2.8	10.71	10.59	10.53	10.47	3.90	3.96	3.99	4.02
	0.0	10.94	10.79	10.71	10.65	3.77	3.83	3.85	3.88
	2.8	11.55	11.40	11.31	11.23	3.69	3.73	3.75	3.78
	5.6	12.56	12.39	12.30	12.24	3.60	3.65	3.67	3.69
	7.0	13.67	13.48	13.16	13.08	3.55	3.55	3.61	3.63
	11.1	14.32	14.12	14.03	13.95	3.39	3.43	3.44	3.46
	13.9	14.93	14.73	14.64	14.53	3.28	3.31	3.33	3.34
	16.7	15.57	15.34	15.22	15.13	3.18	3.20	3.21	3.22
	18.0	15.86	15.63	15.51	15.40	3.12	3.14	3.15	3.16

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

48k(match with MOX630U-48HFN8-QRD0W(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	-20.0	11.41	11.32	11.25	11.20	4.63	4.79	4.71	4.73
	-15.0	12.35	12.25	12.17	12.12	5.06	5.24	5.15	5.17
	-10.0	13.19	13.08	13.00	12.94	5.40	5.59	5.49	5.52
	-7.0	13.82	13.70	13.61	13.56	5.74	5.93	5.84	5.86
	-5.6	13.87	13.76	13.67	13.61	5.60	5.66	5.69	5.72
	-2.8	13.90	13.76	13.70	13.61	5.35	5.40	5.43	5.45
	0.0	13.79	13.61	13.56	13.47	5.10	5.14	5.16	5.18
	2.8	14.14	13.96	13.87	13.76	4.90	4.93	4.94	4.96
	5.6	14.95	14.75	14.66	14.54	4.70	4.72	4.73	4.74
	7.0	15.84	15.63	15.42	15.34	4.60	4.50	4.62	4.63
	11.1	16.24	16.00	15.89	15.80	4.26	4.26	4.26	4.26
	13.9	16.58	16.35	16.24	16.09	4.05	4.03	4.03	4.02
	16.7	16.93	16.67	16.55	16.41	3.82	3.80	3.78	3.77
	18.0	17.08	16.82	16.70	16.55	3.71	3.68	3.67	3.65
1700	-20.0	11.66	11.54	11.49	11.42	4.67	4.84	4.75	4.79
	-15.0	12.62	12.49	12.44	12.36	5.11	5.29	5.20	5.24
	-10.0	13.47	13.34	13.28	13.20	5.45	5.64	5.55	5.59
	-7.0	14.12	13.97	13.91	13.83	5.80	6.00	5.89	5.93
	-5.6	14.17	14.02	13.96	13.87	5.66	5.72	5.75	5.78
	-2.8	14.19	14.05	13.96	13.87	5.41	5.46	5.48	5.51
	0.0	14.08	13.90	13.82	13.73	5.15	5.20	5.22	5.24
	2.8	14.43	14.22	14.14	14.05	4.95	4.98	5.00	5.01
	5.6	15.24	15.04	14.95	14.86	4.75	4.77	4.78	4.78
	7.0	16.16	15.95	15.74	15.63	4.65	4.55	4.67	4.68
	11.1	16.55	16.35	16.24	16.12	4.31	4.31	4.31	4.31
	13.9	16.90	16.67	16.55	16.44	4.09	4.08	4.07	4.07
	16.7	17.28	17.02	16.87	16.76	3.86	3.84	3.83	3.82
	18.0	17.42	17.16	17.05	16.90	3.75	3.72	3.71	3.70
2000	-20.0	11.77	11.65	11.58	11.53	4.72	4.88	4.80	4.83
	-15.0	12.74	12.61	12.53	12.48	5.17	5.34	5.25	5.28
	-10.0	13.60	13.47	13.38	13.33	5.51	5.70	5.60	5.63
	-7.0	14.25	14.11	14.02	13.96	5.85	6.05	5.95	5.98
	-5.6	14.31	14.17	14.08	14.02	5.71	5.78	5.81	5.84
	-2.8	14.34	14.19	14.11	14.02	5.46	5.51	5.54	5.56
	0.0	14.22	14.05	13.96	13.87	5.21	5.25	5.27	5.29
	2.8	14.57	14.40	14.28	14.19	5.00	5.03	5.05	5.06
	5.6	15.41	15.21	15.12	15.01	4.79	4.81	4.82	4.84
	7.0	16.33	16.12	15.92	15.80	4.70	4.60	4.72	4.73
	11.1	16.76	16.53	16.41	16.29	4.36	4.36	4.36	4.36
	13.9	17.11	16.87	16.73	16.61	4.14	4.13	4.12	4.12
	16.7	17.45	17.19	17.08	16.96	3.91	3.89	3.88	3.86
	18.0	17.63	17.37	17.25	17.11	3.80	3.77	3.76	3.74

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

48k(match with MOX630U-48HFN8-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	-20.0	10.82	10.70	10.65	10.58	4.54	4.70	4.63	4.65
	-15.0	11.71	11.58	11.53	11.45	4.97	5.14	5.06	5.09
	-10.0	12.50	12.37	12.31	12.23	5.30	5.49	5.40	5.43
	-7.0	13.10	12.96	12.90	12.81	5.63	5.83	5.74	5.77
	-5.6	13.27	13.13	13.07	12.98	5.50	5.57	5.60	5.63
	-2.8	13.42	13.27	13.19	13.13	5.27	5.32	5.35	5.38
	0.0	13.42	13.25	13.19	13.10	5.04	5.09	5.11	5.13
	2.8	13.88	13.71	13.62	13.54	4.86	4.89	4.91	4.93
	5.6	14.81	14.64	14.52	14.44	4.67	4.69	4.71	4.72
	7.0	15.81	15.63	15.37	15.28	4.58	4.50	4.61	4.62
	11.1	16.35	16.15	16.03	15.92	4.27	4.27	4.28	4.28
	13.9	16.82	16.58	16.47	16.35	4.07	4.06	4.06	4.06
	16.7	17.31	17.05	16.93	16.79	3.86	3.84	3.84	3.83
	18.0	17.51	17.25	17.13	17.02	3.76	3.74	3.73	3.72
1700	-20.0	11.03	10.92	10.87	10.80	4.59	4.75	4.68	4.70
	-15.0	11.94	11.81	11.76	11.68	5.02	5.19	5.12	5.14
	-10.0	12.75	12.61	12.56	12.48	5.36	5.54	5.46	5.49
	-7.0	13.36	13.21	13.16	13.07	5.69	5.88	5.80	5.83
	-5.6	13.54	13.39	13.33	13.25	5.56	5.62	5.65	5.69
	-2.8	13.68	13.54	13.45	13.39	5.32	5.38	5.40	5.43
	0.0	13.68	13.54	13.45	13.36	5.10	5.14	5.16	5.19
	2.8	14.18	14.00	13.88	13.80	4.91	4.94	4.96	4.98
	5.6	15.13	14.93	14.84	14.73	4.72	4.74	4.76	4.77
	7.0	16.16	15.95	15.68	15.57	4.63	4.55	4.66	4.67
	11.1	16.70	16.47	16.35	16.24	4.32	4.32	4.33	4.33
	13.9	17.16	16.93	16.82	16.70	4.11	4.11	4.11	4.11
	16.7	17.66	17.40	17.28	17.13	3.90	3.89	3.88	3.88
	18.0	17.89	17.63	17.48	17.37	3.80	3.78	3.77	3.77
2000	-20.0	11.13	11.01	10.97	10.92	4.64	4.80	4.73	4.75
	-15.0	12.05	11.92	11.87	11.82	5.07	5.25	5.17	5.19
	-10.0	12.86	12.73	12.67	12.62	5.41	5.60	5.51	5.54
	-7.0	13.48	13.33	13.28	13.22	5.75	5.95	5.86	5.89
	-5.6	13.65	13.51	13.45	13.39	5.61	5.68	5.71	5.75
	-2.8	13.83	13.68	13.59	13.51	5.38	5.43	5.46	5.49
	0.0	13.83	13.65	13.57	13.48	5.15	5.19	5.21	5.23
	2.8	14.32	14.15	14.03	13.94	4.96	5.00	5.02	5.03
	5.6	15.28	15.08	14.99	14.90	4.77	4.80	4.81	4.82
	7.0	16.34	16.12	15.86	15.74	4.68	4.60	4.71	4.72
	11.1	16.87	16.64	16.53	16.41	4.36	4.37	4.37	4.38
	13.9	17.37	17.13	16.99	16.87	4.15	4.15	4.15	4.14
	16.7	17.86	17.60	17.48	17.34	3.95	3.93	3.93	3.92
	18.0	18.09	17.83	17.69	17.57	3.84	3.83	3.82	3.81

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

55k									[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
1500	-20.0	11.48	11.36	11.29	11.22	4.59	4.74	4.71	4.74
	-15.0	12.42	12.29	12.22	12.14	5.02	5.18	5.15	5.18
	-10.0	13.26	13.13	13.04	12.96	5.35	5.53	5.49	5.53
	-7.0	13.89	13.75	13.67	13.58	5.69	5.87	5.83	5.87
	-5.6	14.24	14.10	14.01	13.92	5.60	5.69	5.74	5.78
	-2.8	14.56	14.39	14.30	14.22	5.44	5.53	5.57	5.62
	0.0	14.71	14.51	14.42	14.33	5.28	5.37	5.41	5.45
	2.8	15.38	15.17	15.06	14.97	5.18	5.25	5.29	5.33
	5.6	16.56	16.33	16.25	16.13	5.07	5.14	5.18	5.21
	7.0	17.90	17.65	17.30	17.18	5.03	5.05	5.13	5.16
	11.1	18.61	18.37	18.23	18.11	4.84	4.90	4.92	4.95
	13.9	19.27	19.01	18.90	18.75	4.71	4.76	4.78	4.81
	16.7	19.94	19.68	19.54	19.39	4.59	4.63	4.65	4.67
	18.0	20.26	19.97	19.83	19.71	4.52	4.57	4.59	4.61
1900	-20.0	11.72	11.60	11.53	11.46	4.63	4.79	4.75	4.79
	-15.0	12.68	12.55	12.48	12.40	5.07	5.24	5.20	5.24
	-10.0	13.54	13.40	13.32	13.24	5.41	5.59	5.55	5.59
	-7.0	14.18	14.04	13.96	13.87	5.75	5.94	5.89	5.94
	-5.6	14.53	14.39	14.30	14.22	5.66	5.75	5.79	5.84
	-2.8	14.85	14.68	14.59	14.51	5.50	5.59	5.63	5.67
	0.0	15.00	14.80	14.71	14.62	5.34	5.42	5.46	5.50
	2.8	15.67	15.46	15.38	15.26	5.23	5.31	5.35	5.38
	5.6	16.88	16.68	16.56	16.45	5.12	5.20	5.23	5.27
	7.0	18.22	18.00	17.62	17.50	5.08	5.10	5.18	5.22
	11.1	18.98	18.72	18.61	18.46	4.89	4.94	4.97	5.00
	13.9	19.65	19.39	19.25	19.13	4.75	4.80	4.83	4.86
	16.7	20.35	20.06	19.91	19.77	4.63	4.67	4.69	4.71
	18.0	20.67	20.38	20.23	20.09	4.57	4.61	4.63	4.64
2200	-20.0	11.84	11.72	11.65	11.58	4.67	4.83	4.79	4.83
	-15.0	12.81	12.68	12.61	12.53	5.11	5.29	5.24	5.29
	-10.0	13.68	13.54	13.46	13.38	5.45	5.64	5.59	5.64
	-7.0	14.33	14.19	14.10	14.02	5.79	5.99	5.94	5.99
	-5.6	14.68	14.53	14.45	14.36	5.71	5.80	5.84	5.89
	-2.8	15.00	14.82	14.74	14.65	5.55	5.64	5.68	5.73
	0.0	15.14	14.97	14.85	14.77	5.39	5.47	5.52	5.56
	2.8	15.84	15.61	15.52	15.40	5.28	5.36	5.40	5.44
	5.6	17.06	16.83	16.71	16.62	5.17	5.25	5.28	5.32
	7.0	18.42	18.17	17.79	17.68	5.13	5.15	5.23	5.27
	11.1	19.16	18.90	18.78	18.64	4.93	4.99	5.02	5.05
	13.9	19.85	19.56	19.45	19.30	4.80	4.85	4.88	4.90
	16.7	20.52	20.23	20.09	19.94	4.67	4.71	4.74	4.76
	18.0	20.87	20.55	20.41	20.26	4.61	4.64	4.67	4.69

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

8. Capacity Correction Factor for Height Difference

Capacity(Btu/h)	9k		Pipe Length (m)			
Cooling			5	10	20	25
Height difference H (m)	Indoor Upper than Outdoor	10		0.969	0.936	0.920
		5	0.995	0.979	0.946	0.929
		0	1.000	0.984	0.951	0.934
	Outdoor Upper than Indoor	-5	1.000	0.984	0.951	0.934
		-10		0.984	0.951	0.934
Heating			5	10	15	20
Height difference H (m)	Indoor Upper than Outdoor	10		0.989	0.967	0.956
		5	1.000	0.989	0.967	0.956
		0	1.000	0.989	0.967	0.956
	Outdoor Upper than Indoor	-5	0.992	0.981	0.959	0.948
		-10		0.973	0.952	0.941

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	15	20
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

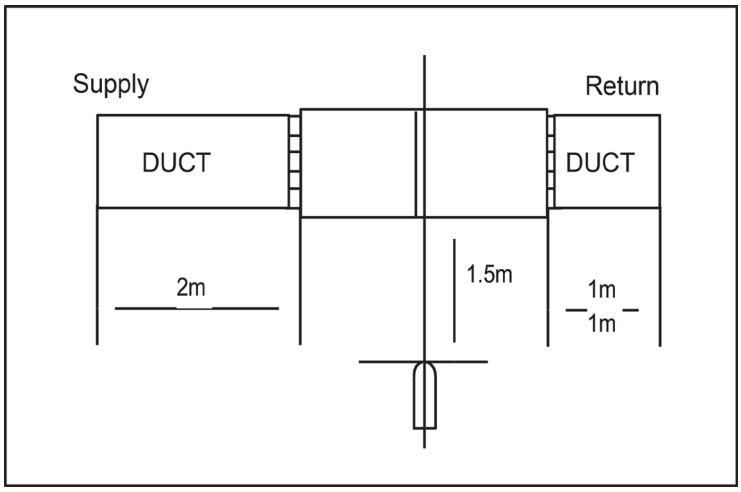
Capacity (Btu/h)	42k		Pipe Length (m)						
Cooling			5	15	25	35	50	65	75
Height difference H (m)	Indoor Upper than Outdoor	30				0.881	0.839	0.797	0.769
		20			0.919	0.890	0.848	0.806	0.777
		10		0.956	0.928	0.899	0.857	0.814	0.785
		5	0.995	0.966	0.937	0.908	0.865	0.822	0.793
		0	1.000	0.971	0.942	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

Capacity (Btu/h)	55k		Pipe Length (m)						
Cooling			5	15	25	35	50	65	75
Height difference H (m)	Indoor Upper than Outdoor	30				0.866	0.816	0.767	0.734
		20			0.908	0.875	0.825	0.774	0.741
		10		0.951	0.917	0.884	0.833	0.782	0.749
		5	0.995	0.961	0.927	0.893	0.841	0.790	0.756
		0	1.000	0.966	0.931	0.897	0.846	0.794	0.760
	Outdoor Upper than Indoor	-5	1.000	0.966	0.931	0.897	0.846	0.794	0.760
		-10		0.966	0.931	0.897	0.846	0.794	0.760
		-20			0.931	0.897	0.846	0.794	0.760
		-30				0.897	0.846	0.794	0.760
Heating			5	15	25	35	50	65	75
Height difference H (m)	Indoor Upper than Outdoor	30				0.953	0.929	0.905	0.889
		20			0.968	0.953	0.929	0.905	0.889
		10		0.984	0.968	0.953	0.929	0.905	0.889
		5	1.000	0.984	0.968	0.953	0.929	0.905	0.889
		0	1.000	0.984	0.968	0.953	0.929	0.905	0.889
	Outdoor Upper than Indoor	-5	0.992	0.976	0.961	0.945	0.921	0.898	0.882
		-10		0.968	0.953	0.937	0.914	0.891	0.875
		-20			0.945	0.930	0.907	0.883	0.868
		-30				0.922	0.899	0.876	0.861

9. Noise Criterion Curves

9.1 Indoor Unit



Notes:

-Sound measured at 1.5m away from the center of the unit.

-Data is valid at free field condition

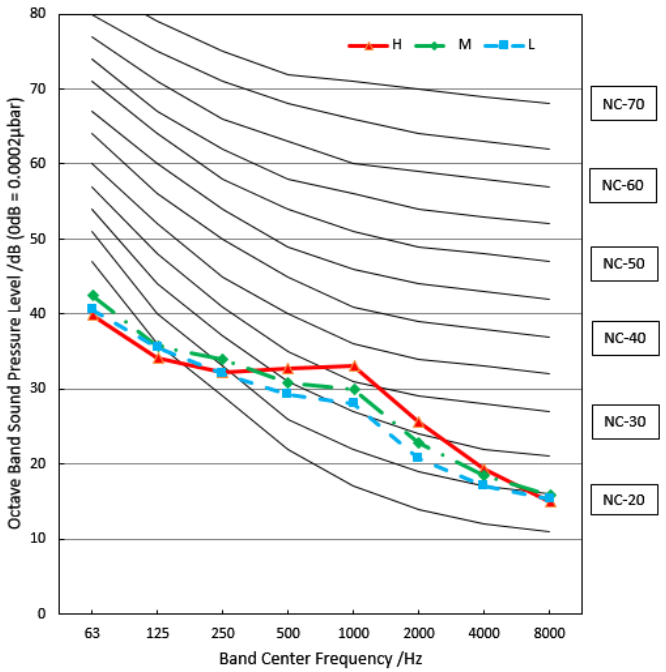
-Data is valid at nominal operation condition

-Reference acoustic pressure OdB = 20μPa

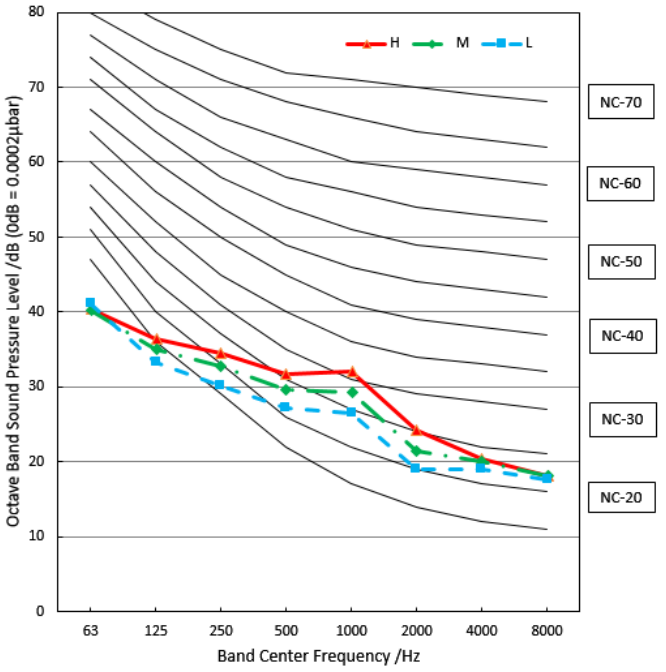
-Sound level will vary depending on a range of factors such as the construction -(acoustic absorption coefficient) of particular room in which the equipment is installed.

-The operating conditions are assumed to be standard.

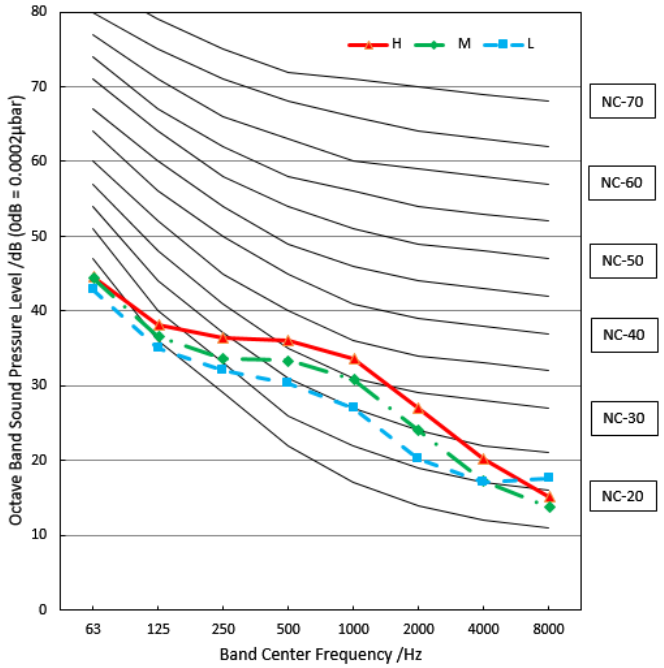
9k



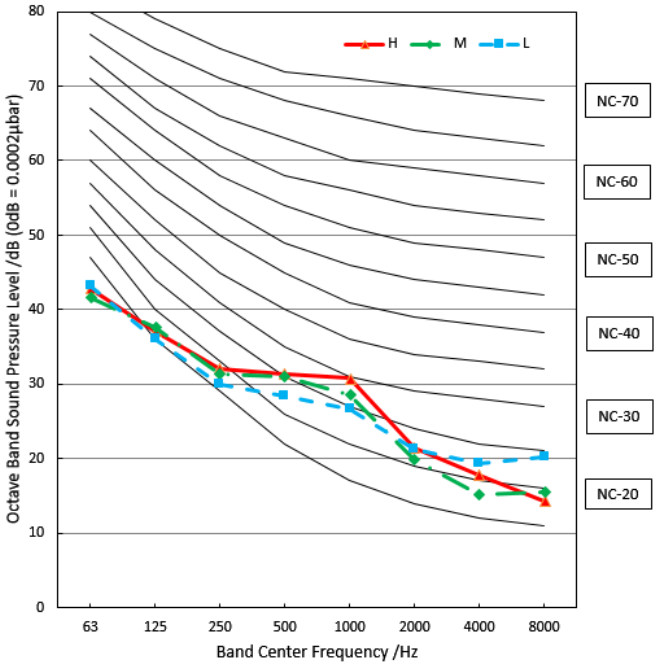
12k



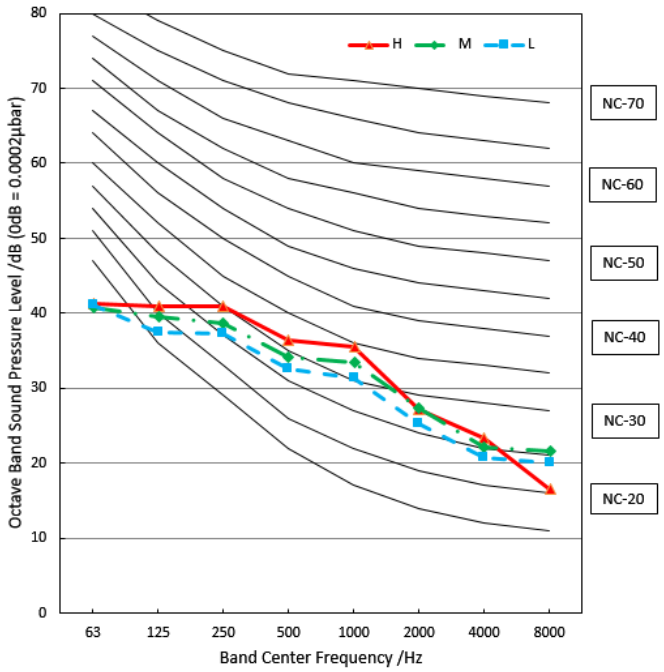
18k



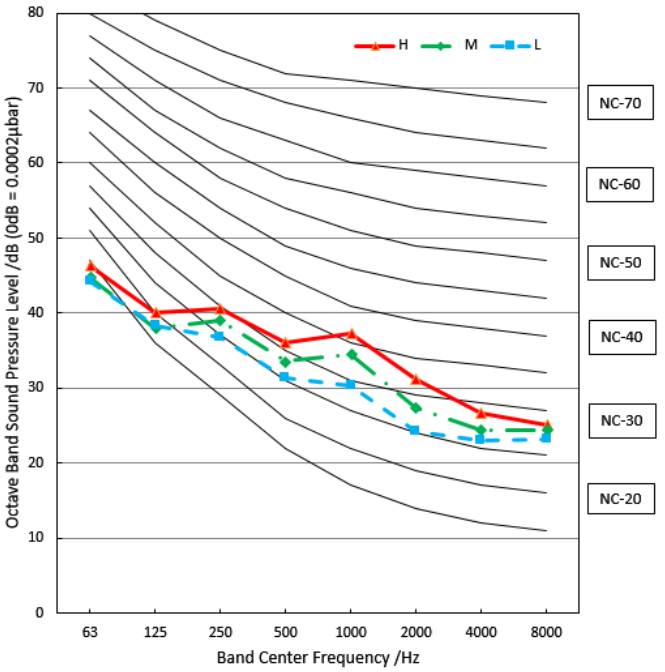
24k



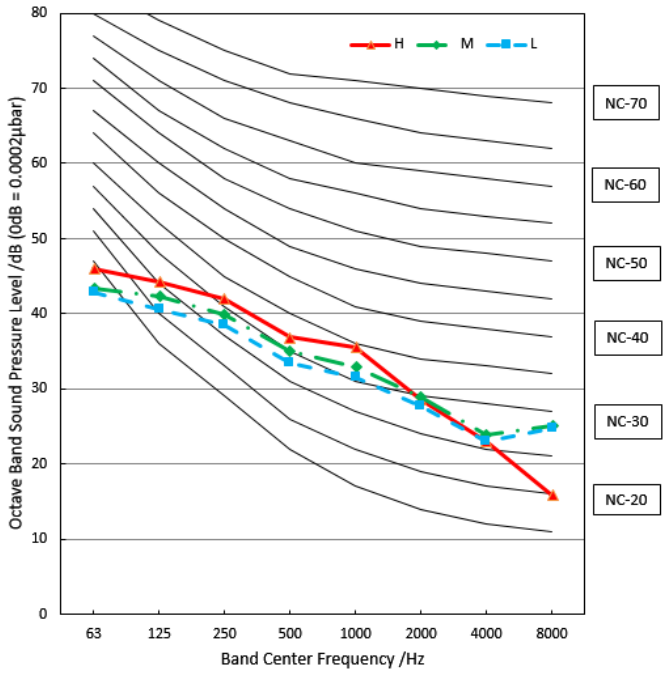
30k



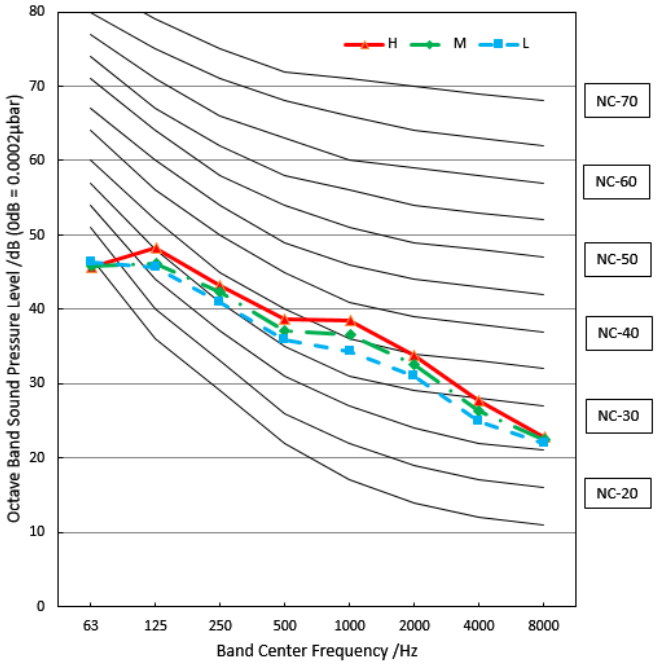
36k



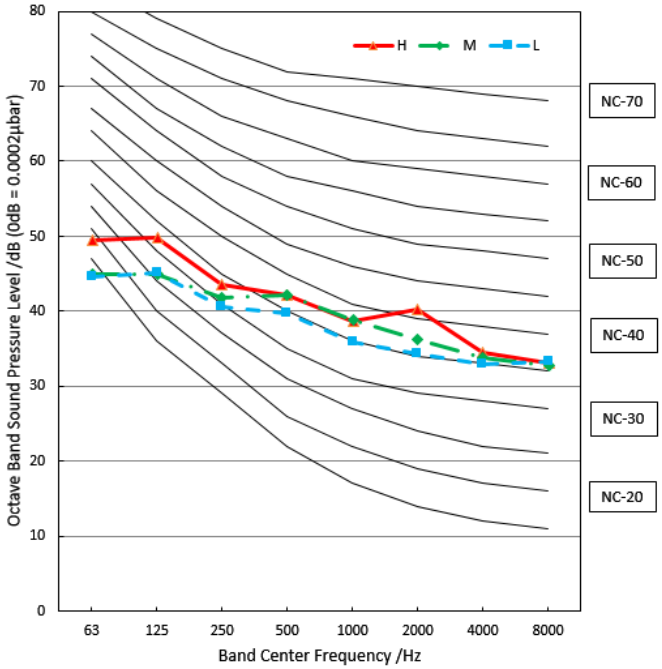
42k


H
M
L
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Octave Band Sound Pressure Level /dB (0dB = 0.0002μbar)
Band Center Frequency /Hz
0
10
20
30
40
50
60
70
80
63
125
250
500
1000
2000
4000
8000

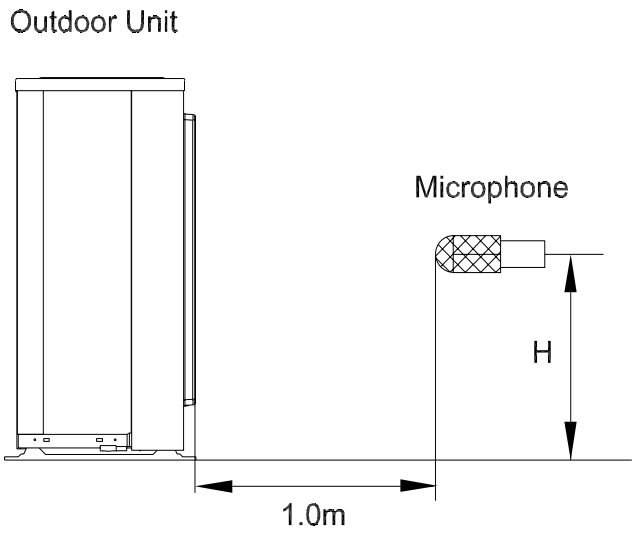
48k


H
M
L
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Octave Band Sound Pressure Level /dB (0dB = 0.0002μbar)
Band Center Frequency /Hz
0
10
20
30
40
50
60
70
80
63
125
250
500
1000
2000
4000
8000

55k


H
M
L
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Octave Band Sound Pressure Level /dB (0dB = 0.0002μbar)
Band Center Frequency /Hz
0
10
20
30
40
50
60
70
80
63
125
250
500
1000
2000
4000
8000

9.2 Outdoor Unit



Note: H= 0.5 × height of outdoor unit

Notes:

-Sound measured at 1.0m away from the center of the unit.

-Data is valid at free field condition

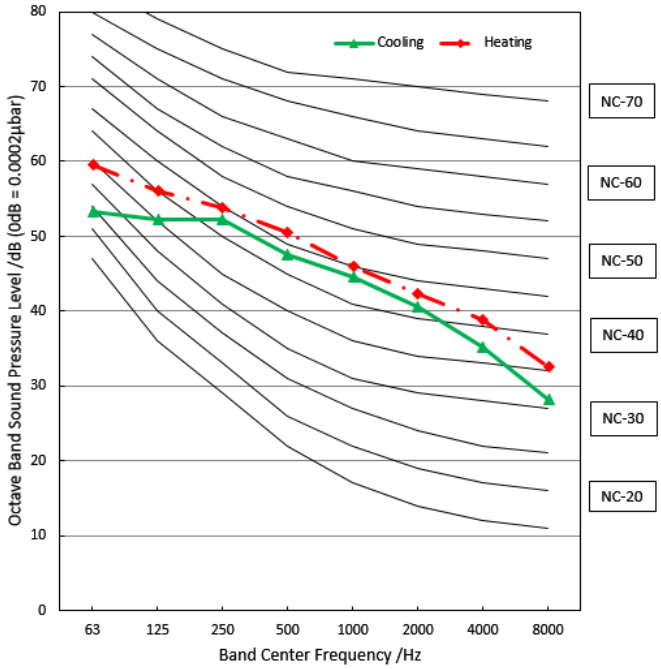
-Data is valid at nominal operation condition

-Reference acoustic pressure OdB=20μPa

-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.

MOX230-09HFN8-QRD1W(GA)



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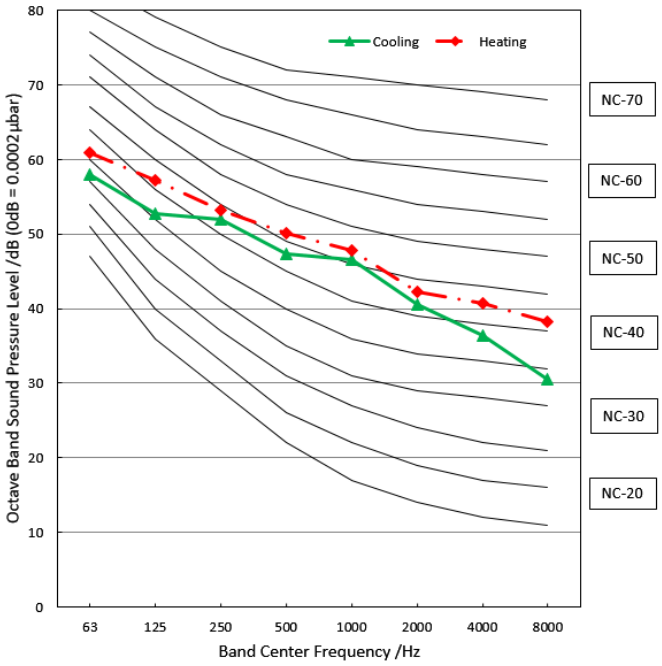

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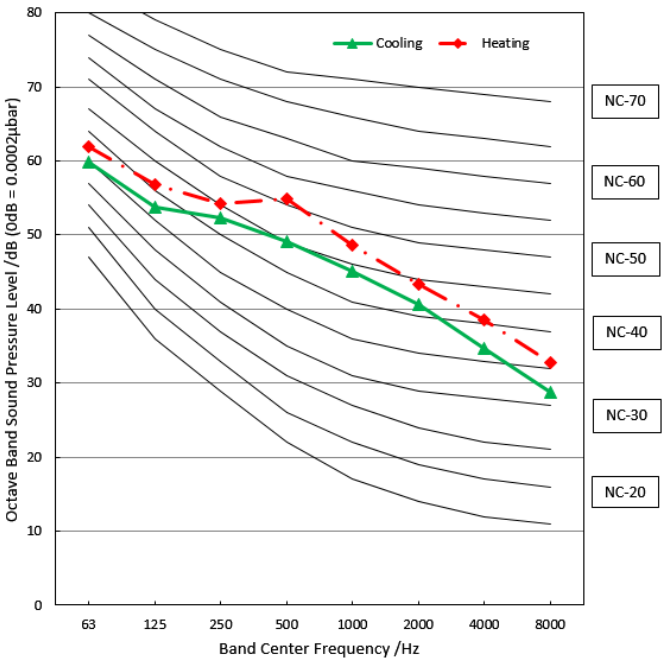

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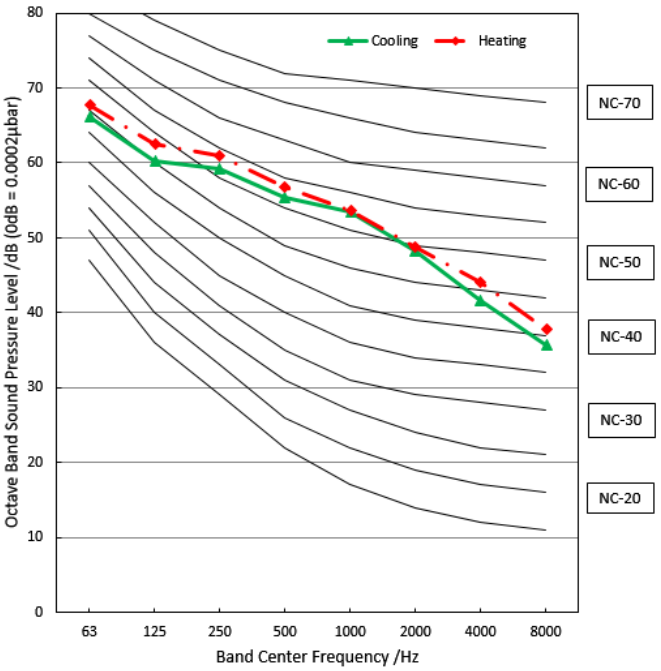

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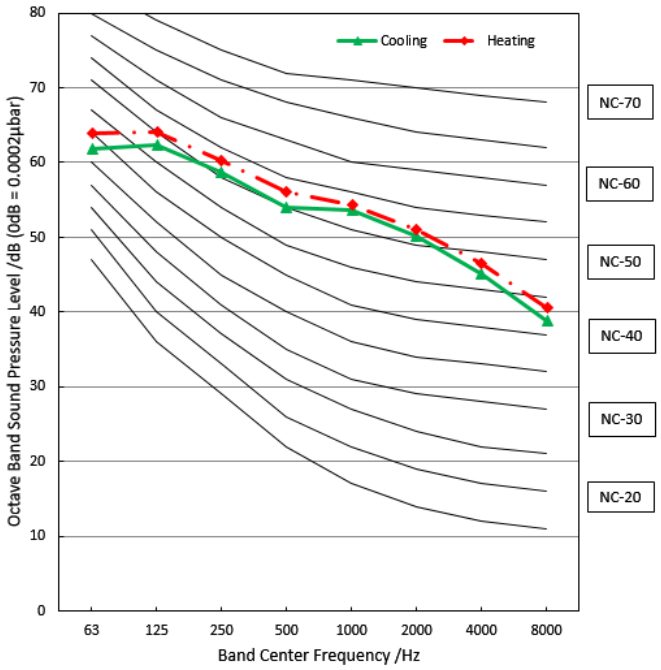

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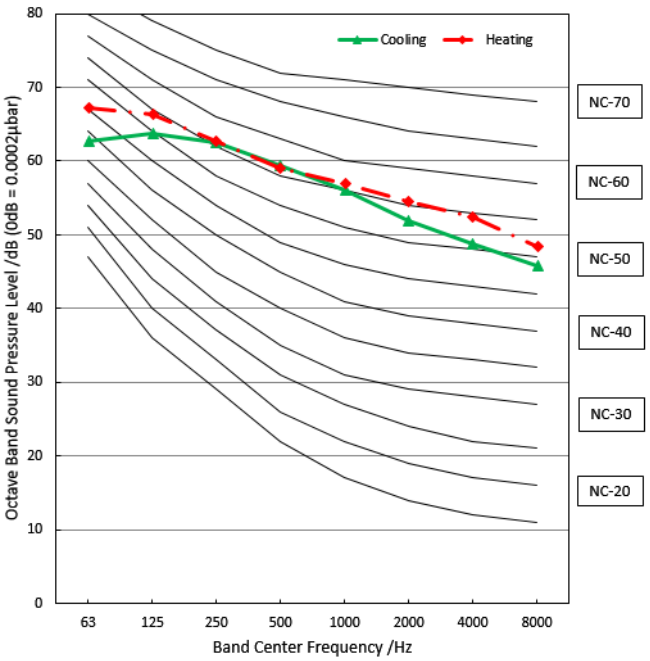

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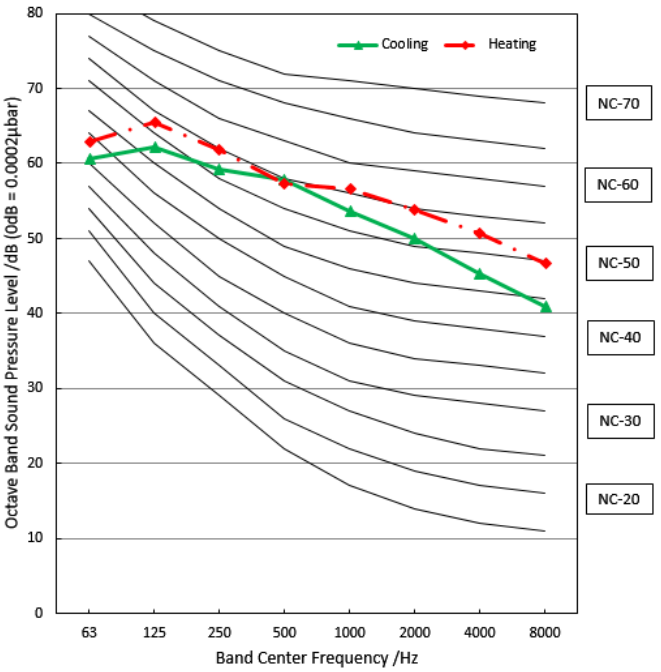

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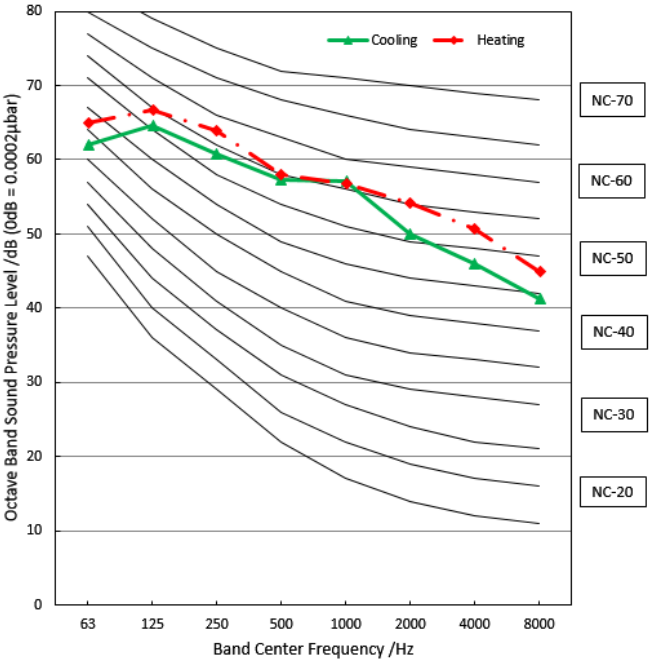

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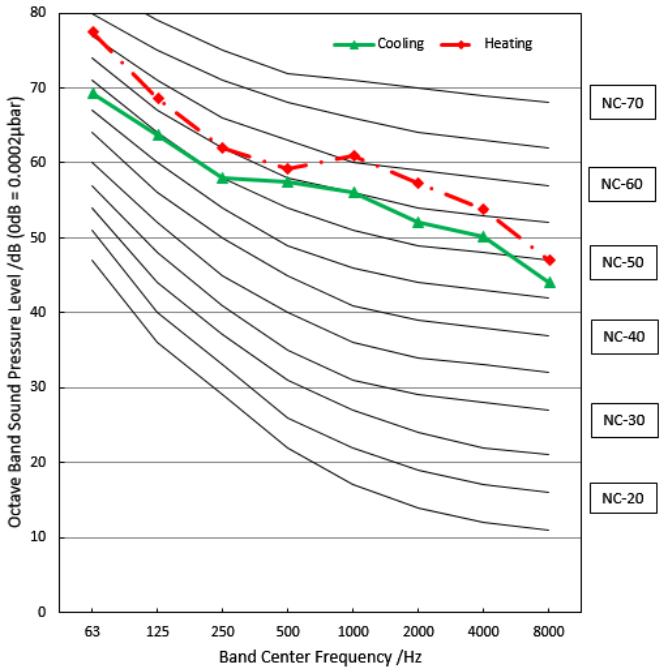

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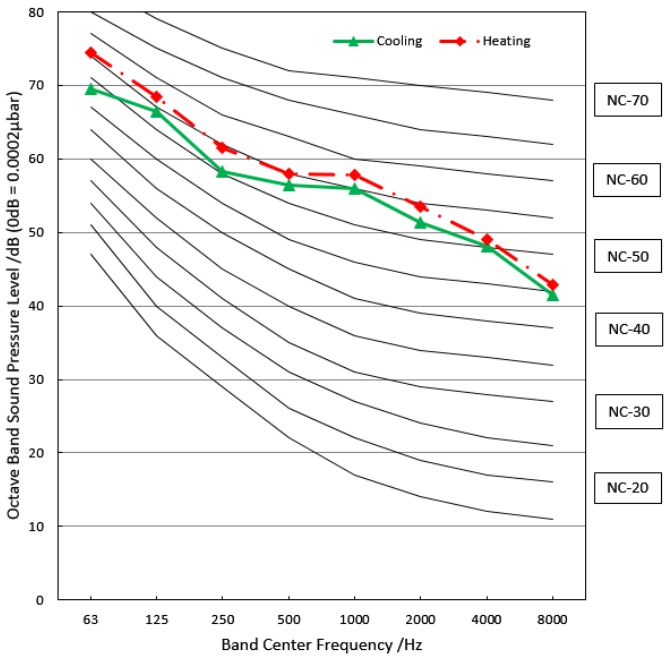

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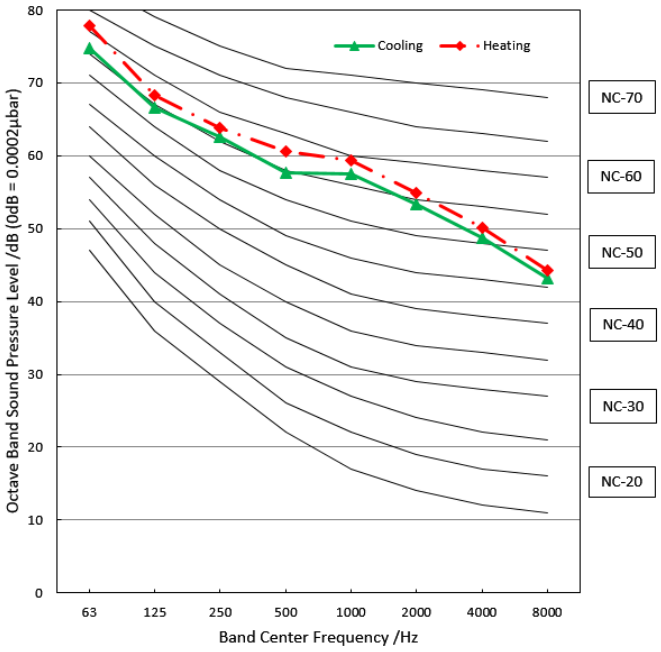


10. Electrical Characteristics

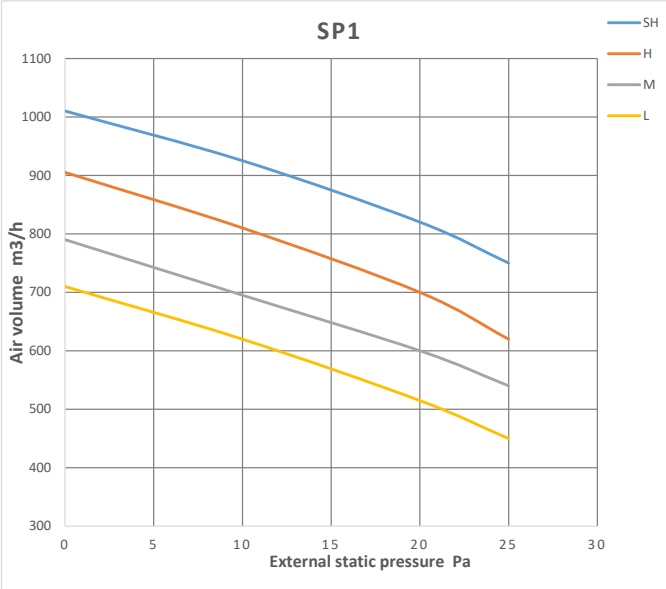
Capacity (Btu/h)		9k~18k	24k	30k	36k
OUDOOR UNIT POWER	Phase	1-phase	1-phase	1-phase	1-phase
	Frequency and Voltage	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
	Power Wiring (mm^2)	3×1.5	3×2.5	3×2.5	3×4.0
	Circuit Breaker/ Fuse (A)	25/20	25/20	40/30	40/30
Indoor/Outdoor Connecting Wiring	Weak Electric Signal)(mm^2)				
	Strong Electric Signal(mm^2)	4×1.0	4×1.0	4×1.0	4×1.0

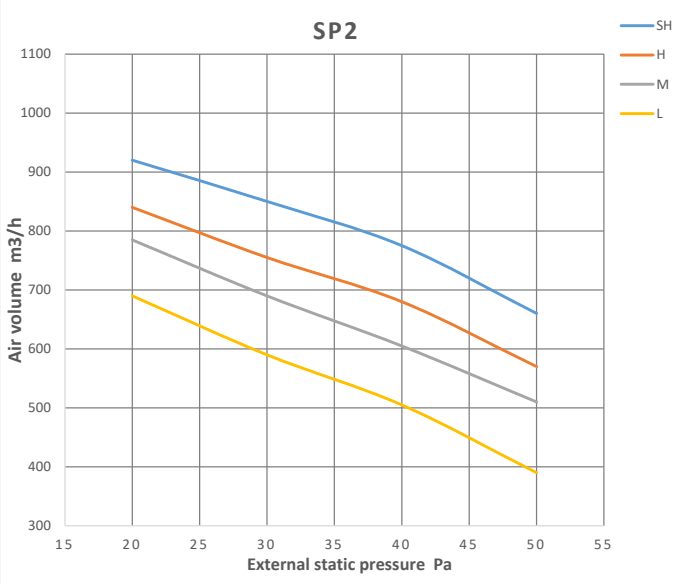
Capacity (Btu/h)		36k	42k	48k	48k-55k
OUDOOR UNIT POWER	Phase	3-phase	1-phase	1-phase	3-phase
	Frequency and Voltage	380-415V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	380-415V, 50Hz
	Power Wiring (mm^2)	5×2.5	3×4.0	3×6.0	5×2.5
	Circuit Breaker/ Fuse (A)	25/20	50/40	50/40	32/25
Indoor/Outdoor Connecting Wiring	Weak Electric Signal)(mm^2)				
	Strong Electric Signal(mm^2)	4×1.0	4×1.0	4×1.0	4×1.0

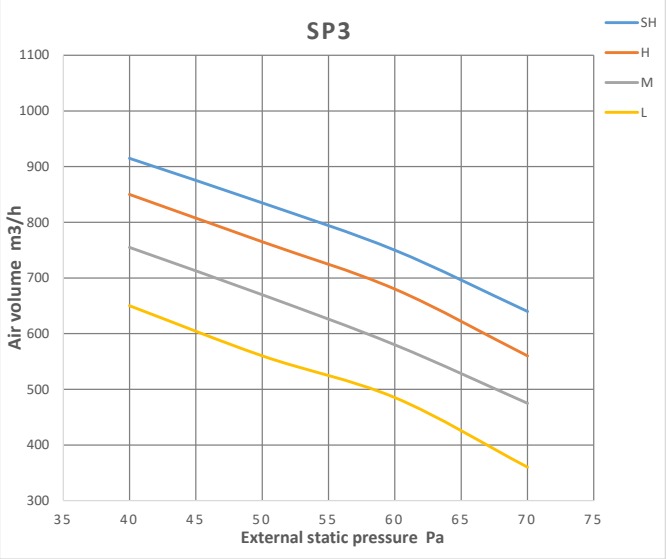
NOTE: Electric auxiliary heating type circuit breaker/fuse need to add more than 10 A.

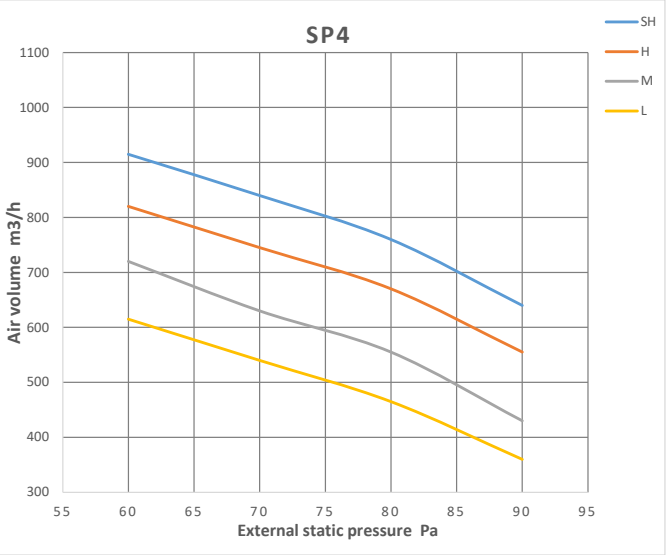
11. Fan Performance

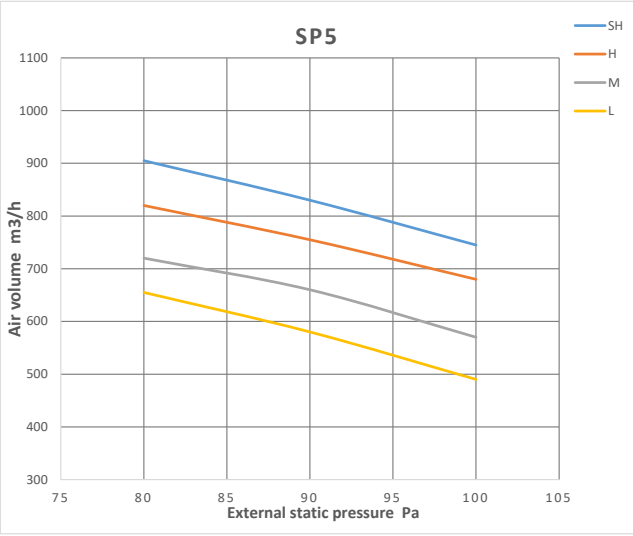
9k

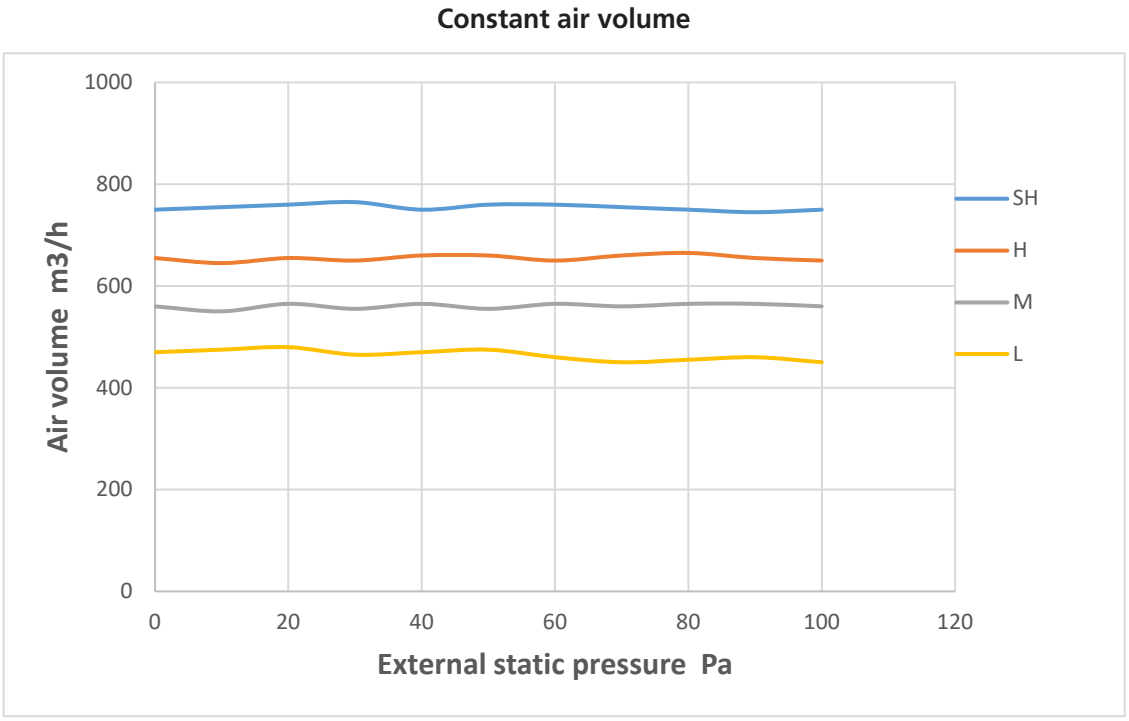




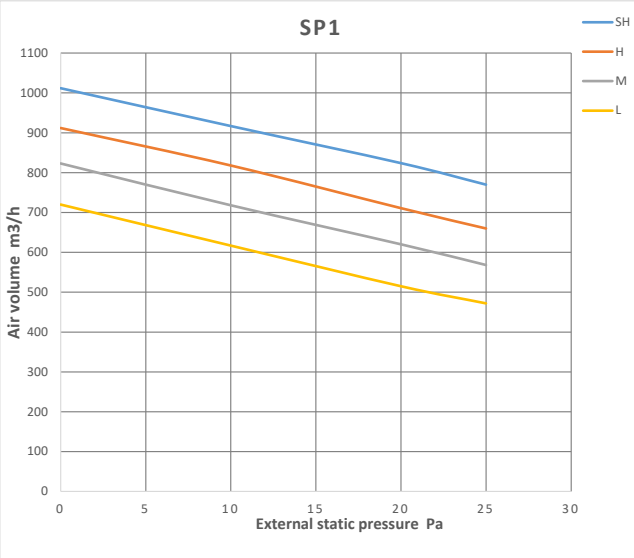


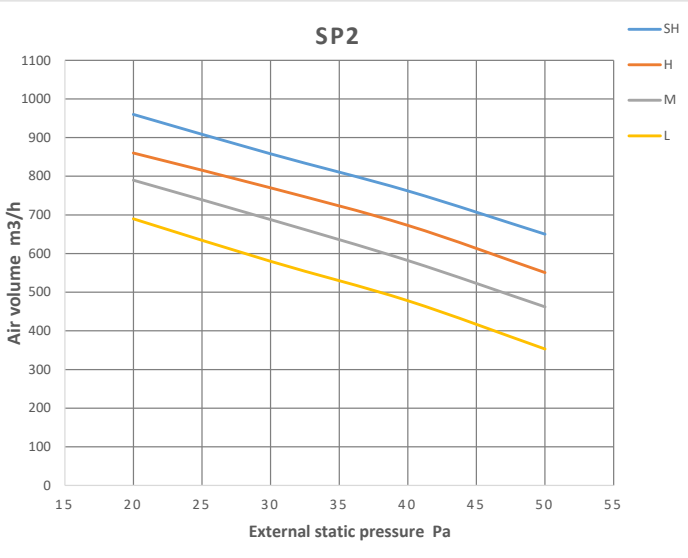


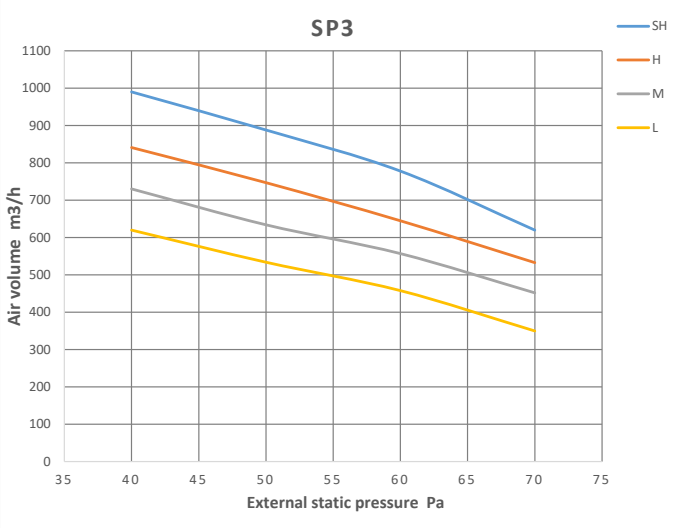


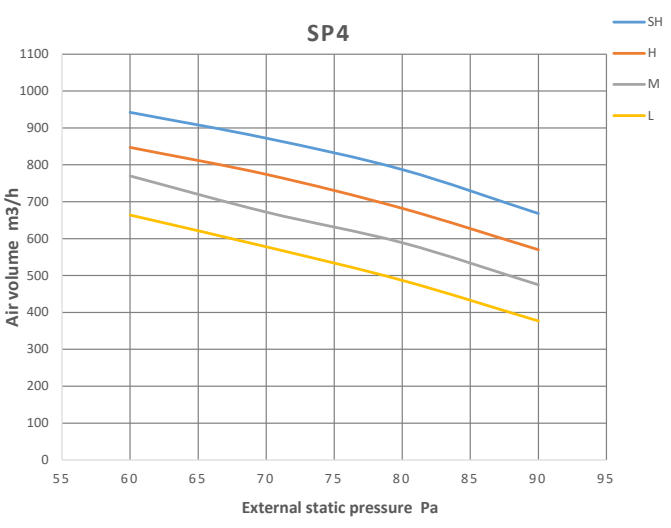

Constant air volume
1000
800
600
400
200
0
Air volume m3/h
0
20
40
60
80
100
120
External static pressure Pa
SH
H
M
L

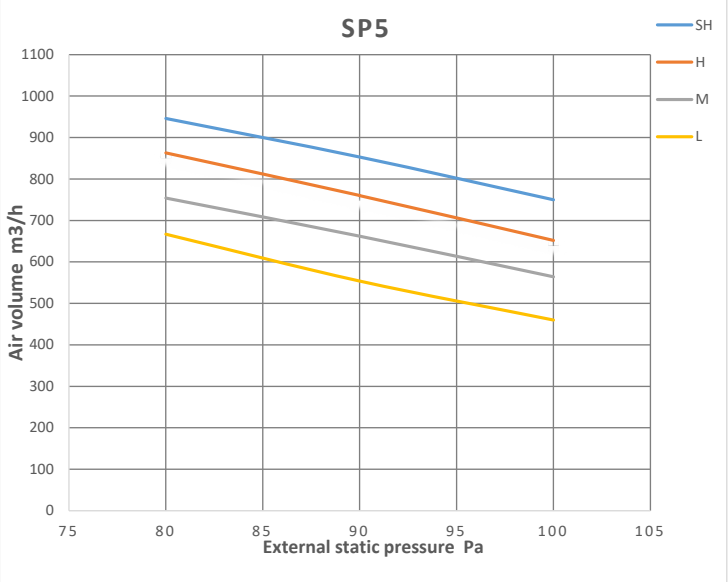
12k

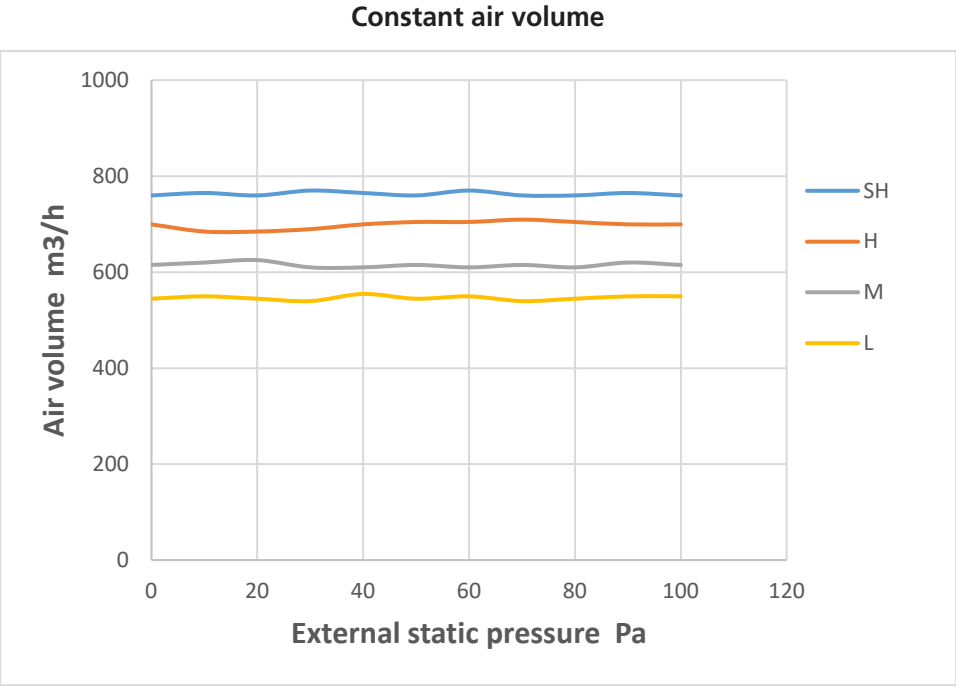

SP1
SH
H
M
L
Air volume m3/h
1100
1000
900
800
700
600
500
400
300
200
100
0
0
5
10
15
20
25
30
External static pressure Pa


SP2
SH
H
M
L
Air volume m3/h
1100
1000
900
800
700
600
500
400
300
200
100
0
15
20
25
30
35
40
45
50
55
External static pressure Pa

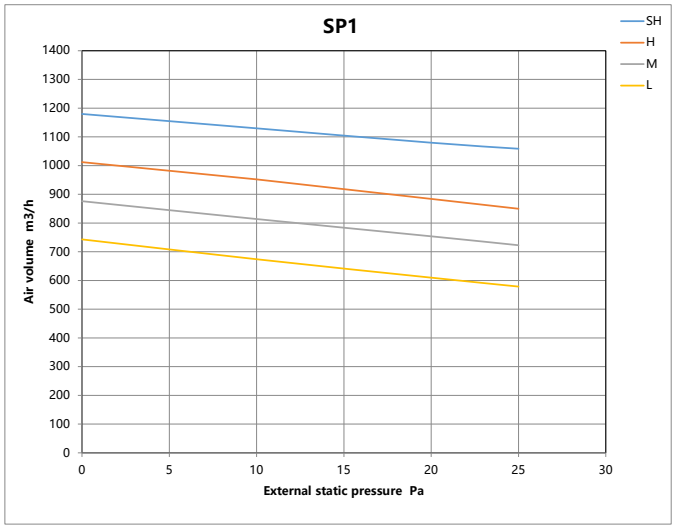

SP3
SH
H
M
L
Air volume m3/h
1100
1000
900
800
700
600
500
400
300
200
100
0
35
40
45
50
55
60
65
70
75
External static pressure Pa

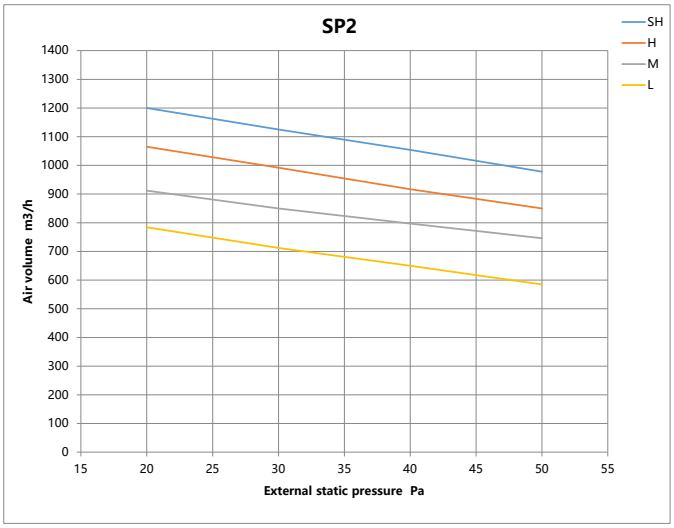

SP4
SH
H
M
L
Air volume m3/h
1100
1000
900
800
700
600
500
400
300
200
100
0
55
60
65
70
75
80
85
90
95
External static pressure Pa

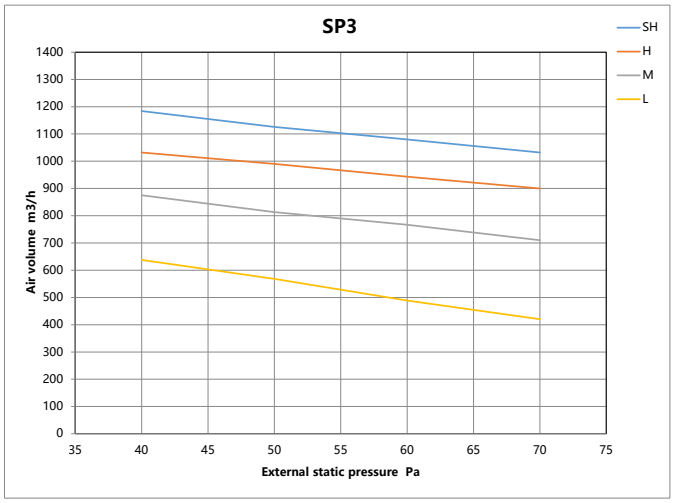

SP5
SH
H
M
L
Air volume m3/h
1100
1000
900
800
700
600
500
400
300
200
100
0
75
80
85
90
95
100
105
External static pressure Pa

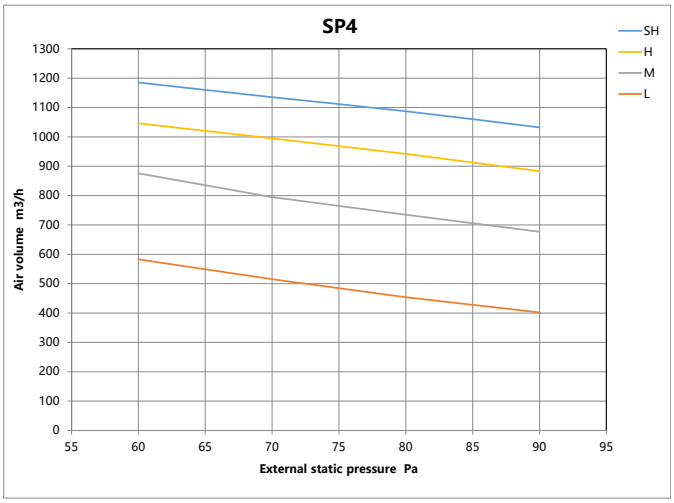

Constant air volume
1000
800
600
400
200
0
Air volume m3/h
0
20
40
60
80
100
120
External static pressure Pa
SH
H
M
L

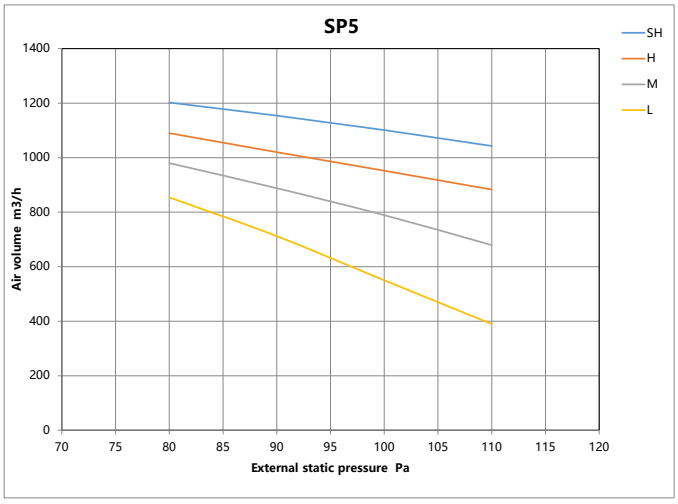
18k

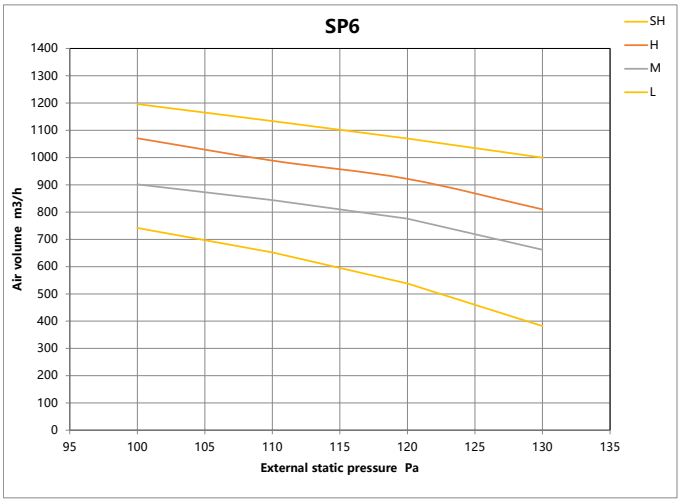

SP1
SH
H
M
L
Air volume m3/h
External static pressure Pa

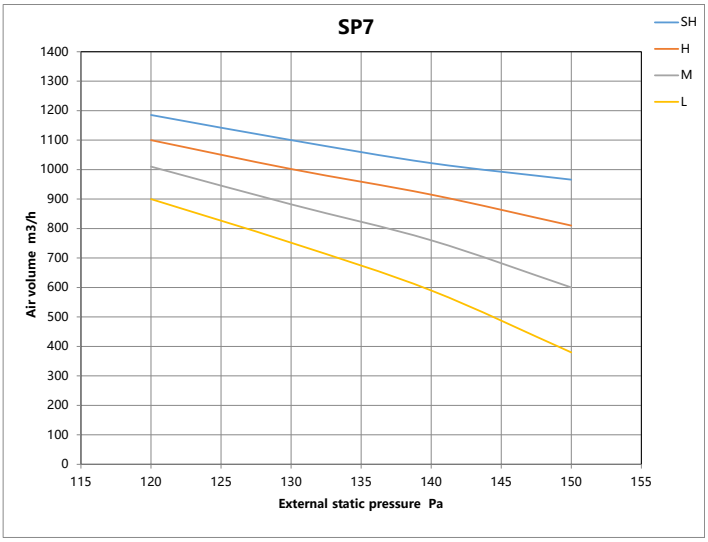

SP2
SH
H
M
L
Air volume m3/h
External static pressure Pa

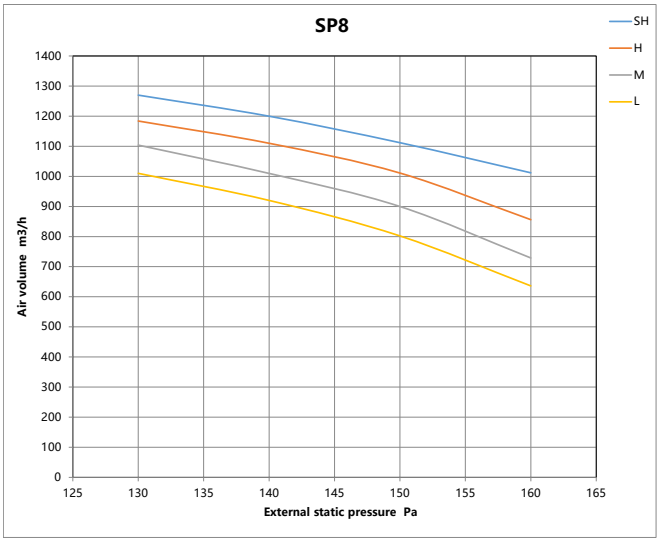

SP3
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP4
SH
H
M
L
Air volume m3/h
External static pressure Pa

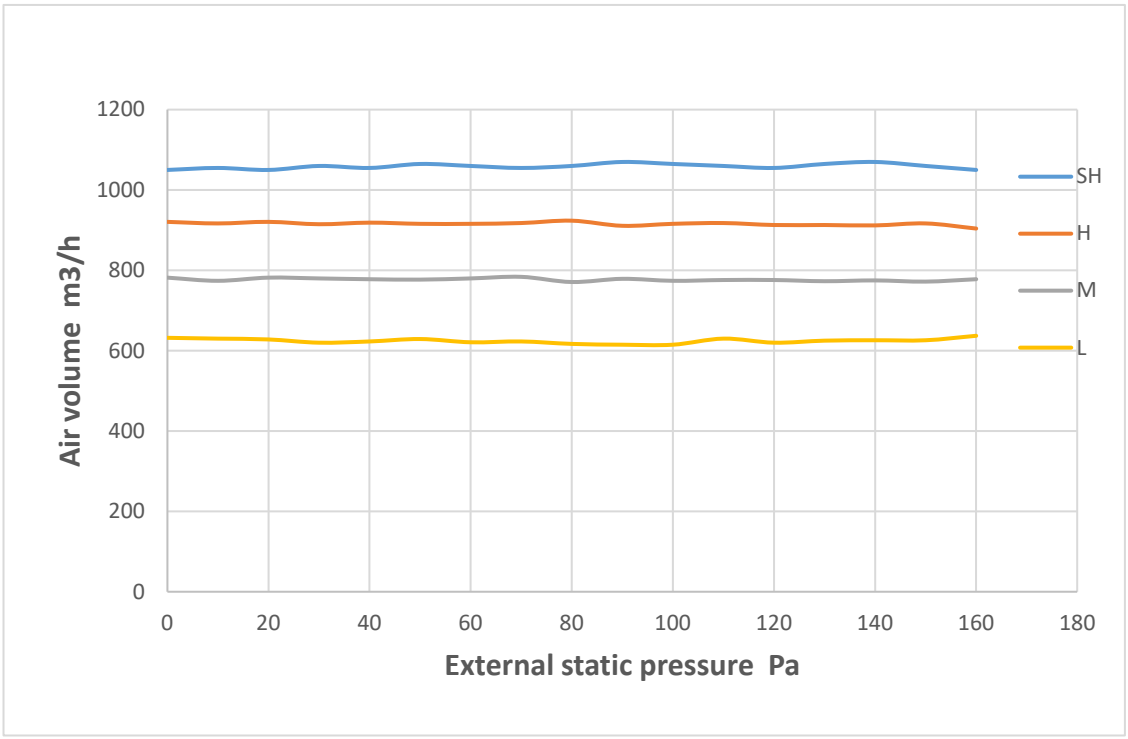

SP5
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP6
SH
H
M
L
Air volume m3/h
External static pressure Pa

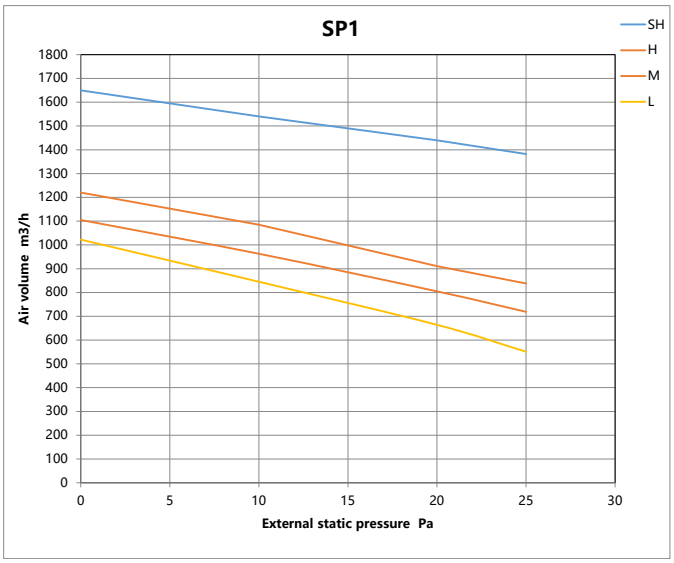


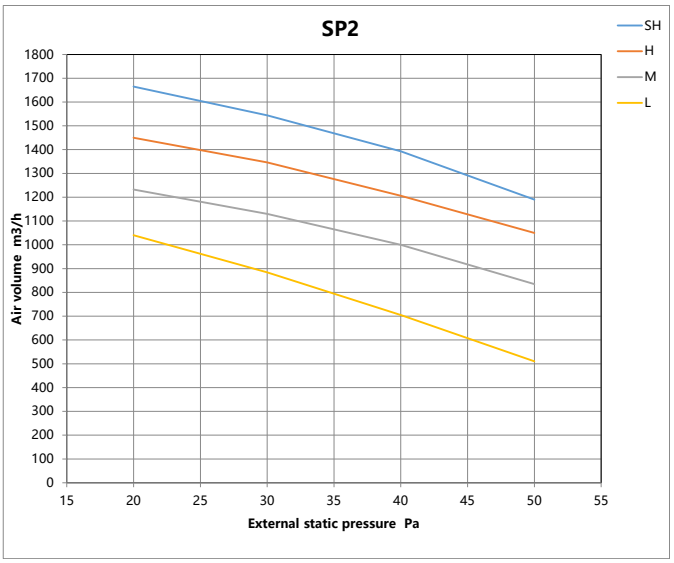


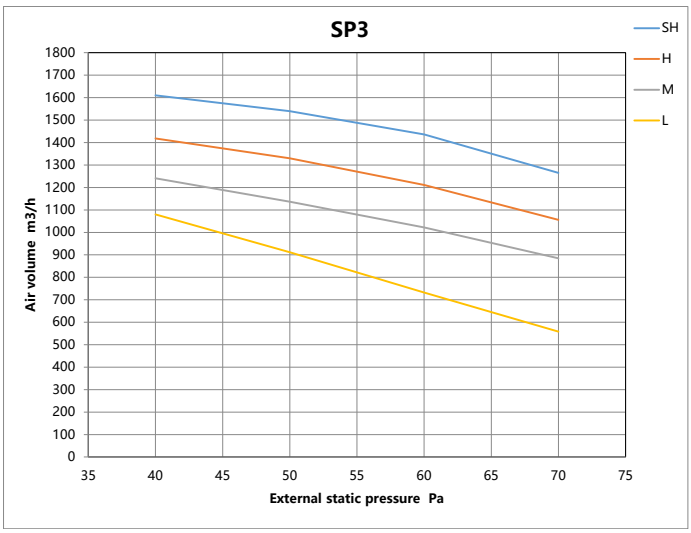
Constant air volume

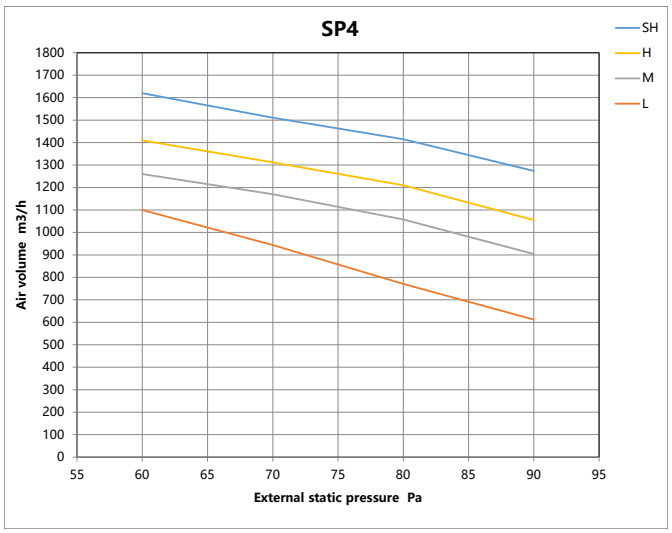


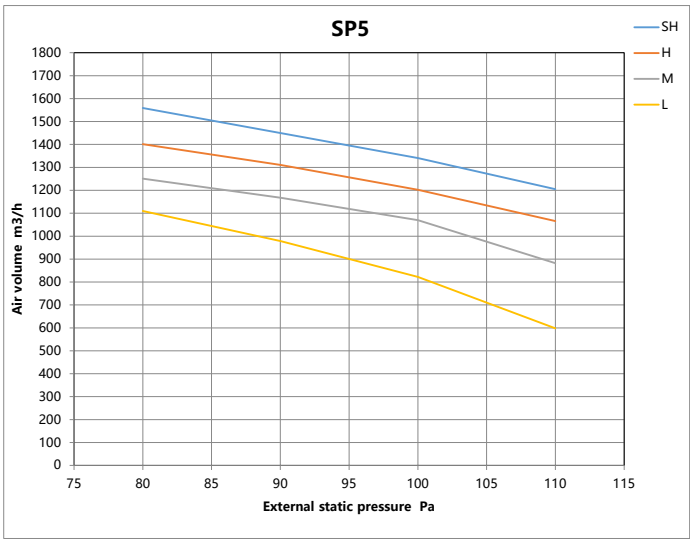
24k

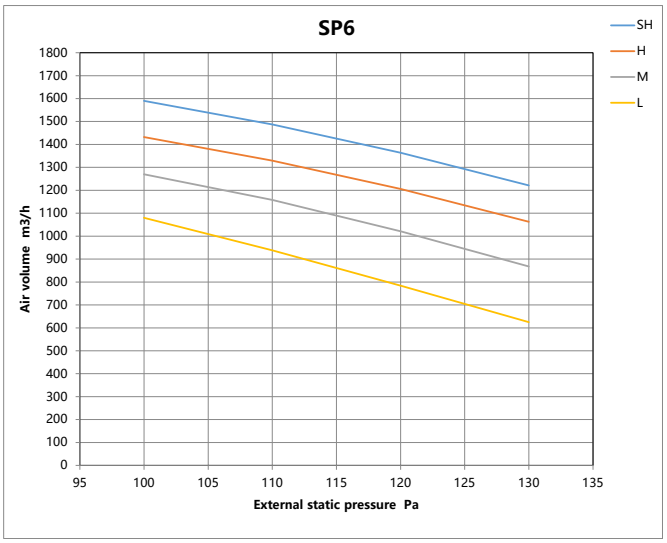

SP1
SH
H
M
L
Air volume m3/h
External static pressure Pa

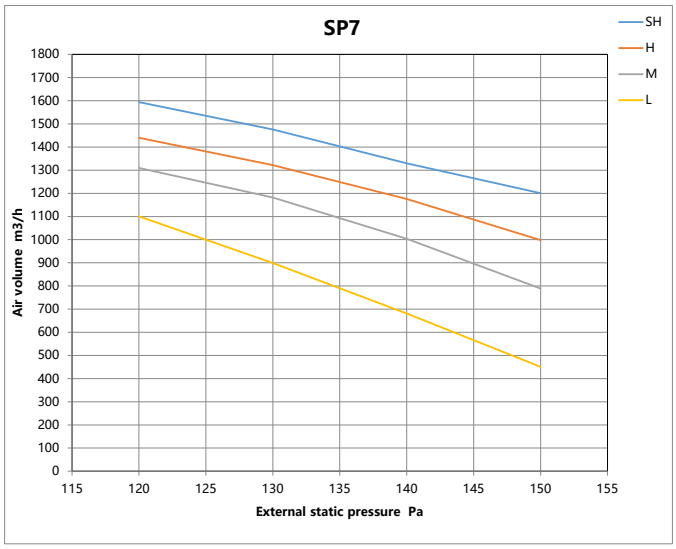

SP2
SH
H
M
L
Air volume m3/h
External static pressure Pa

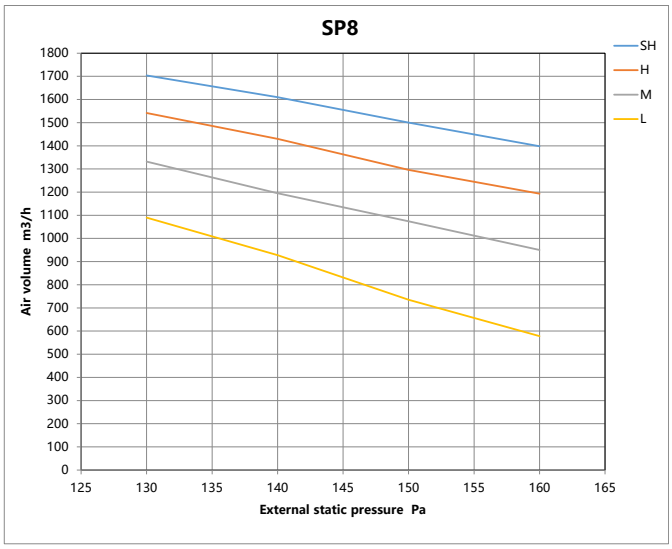

SP3
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP4
SH
H
M
L
Air volume m3/h
External static pressure Pa

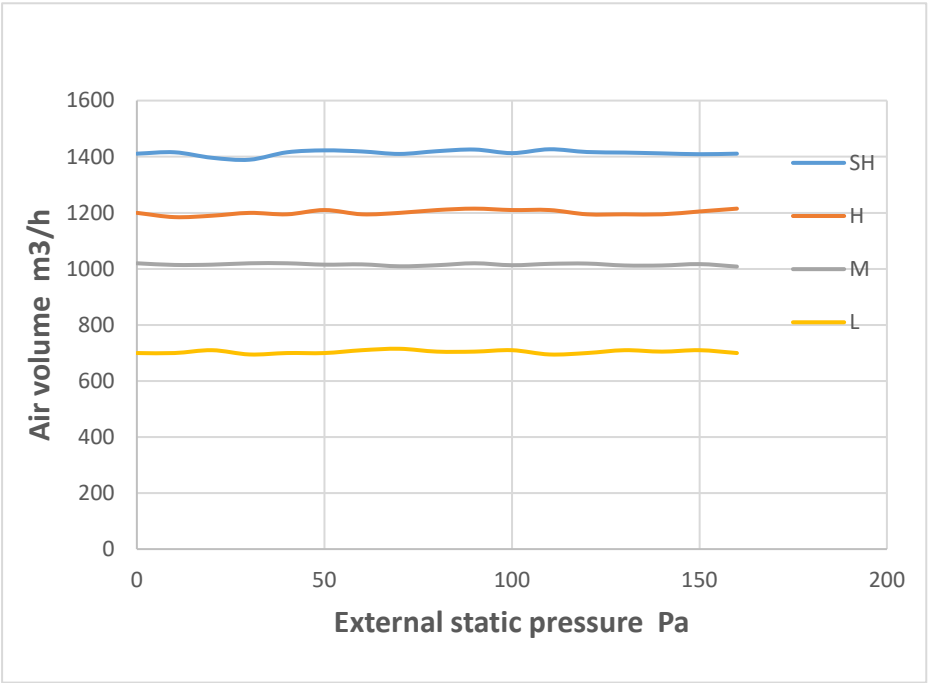

SP5
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP6
SH
H
M
L
Air volume m3/h
External static pressure Pa

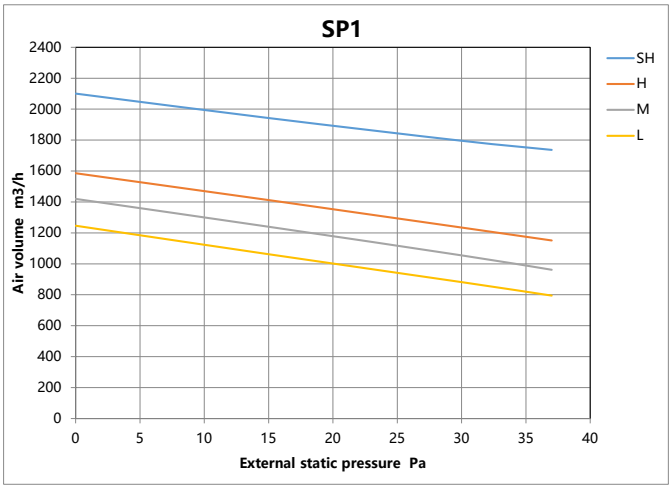


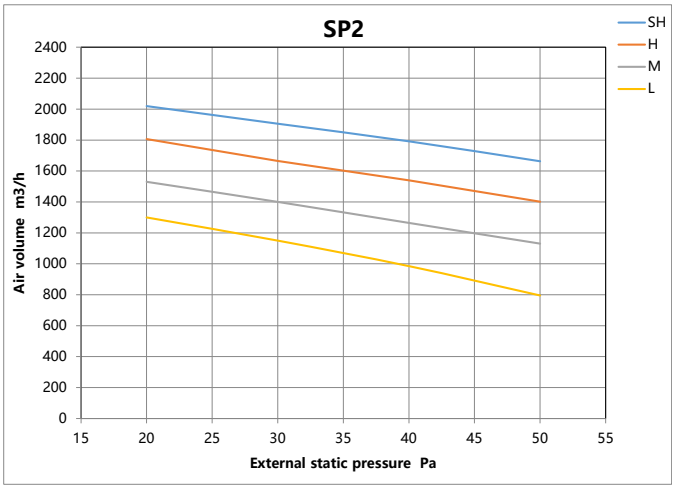


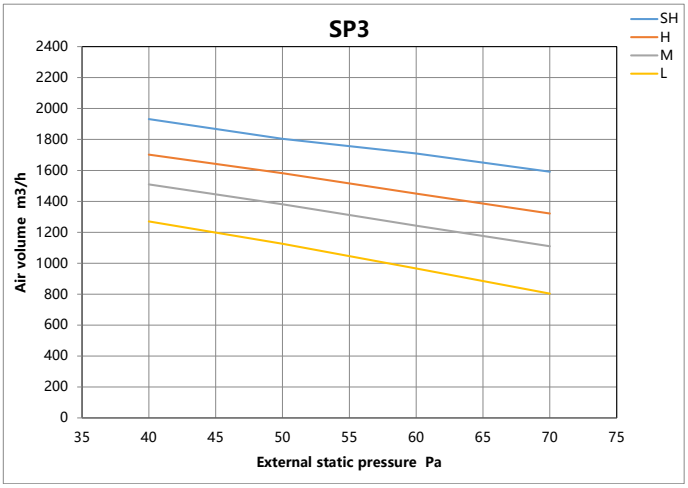
Constant air volume

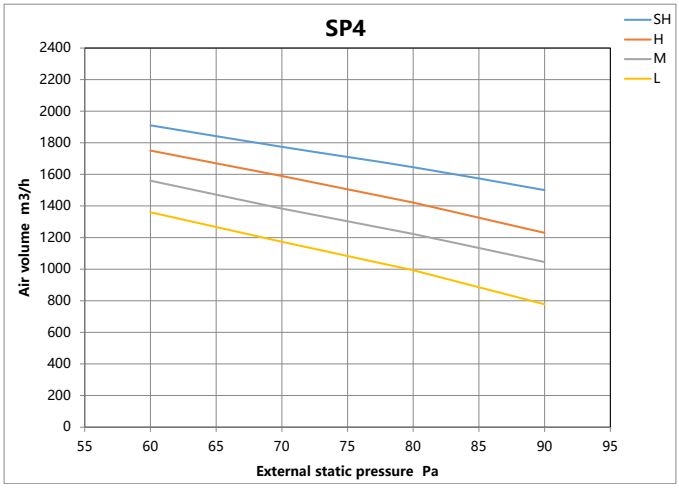


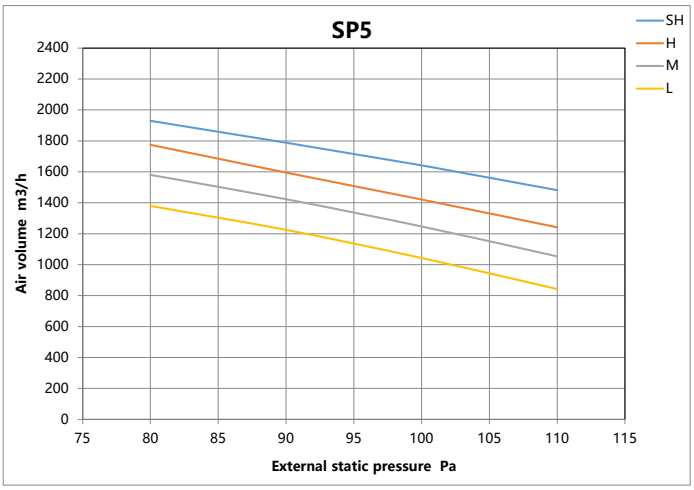
30k

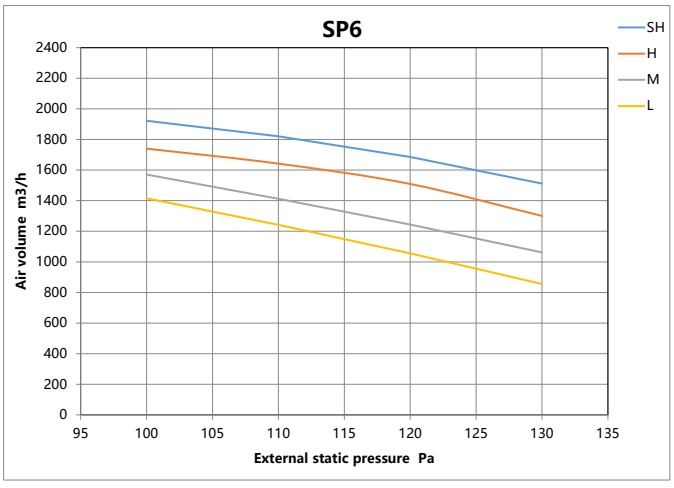

SP1
Air volume m3/h
External static pressure Pa
SH
H
M
L

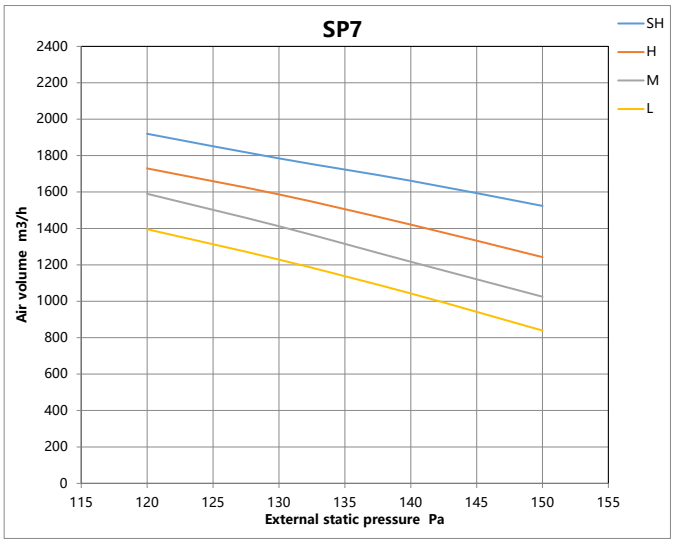

SP2
Air volume m3/h
External static pressure Pa
SH
H
M
L

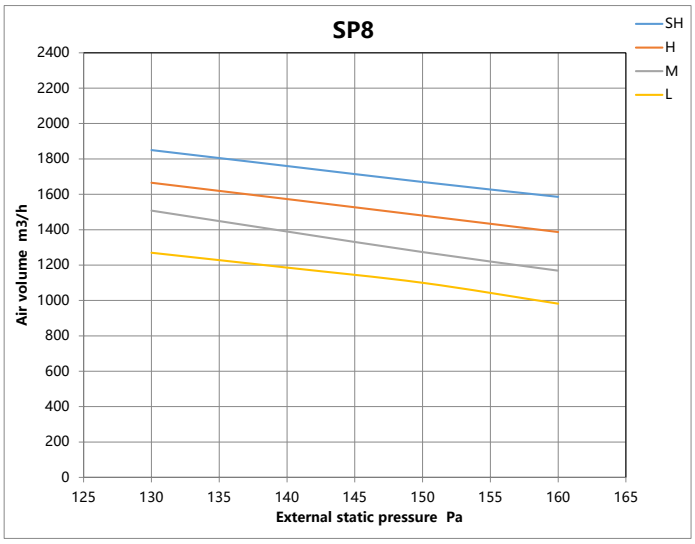

SP3
Air volume m3/h
External static pressure Pa
SH
H
M
L


SP4
Air volume m3/h
External static pressure Pa
SH
H
M
L

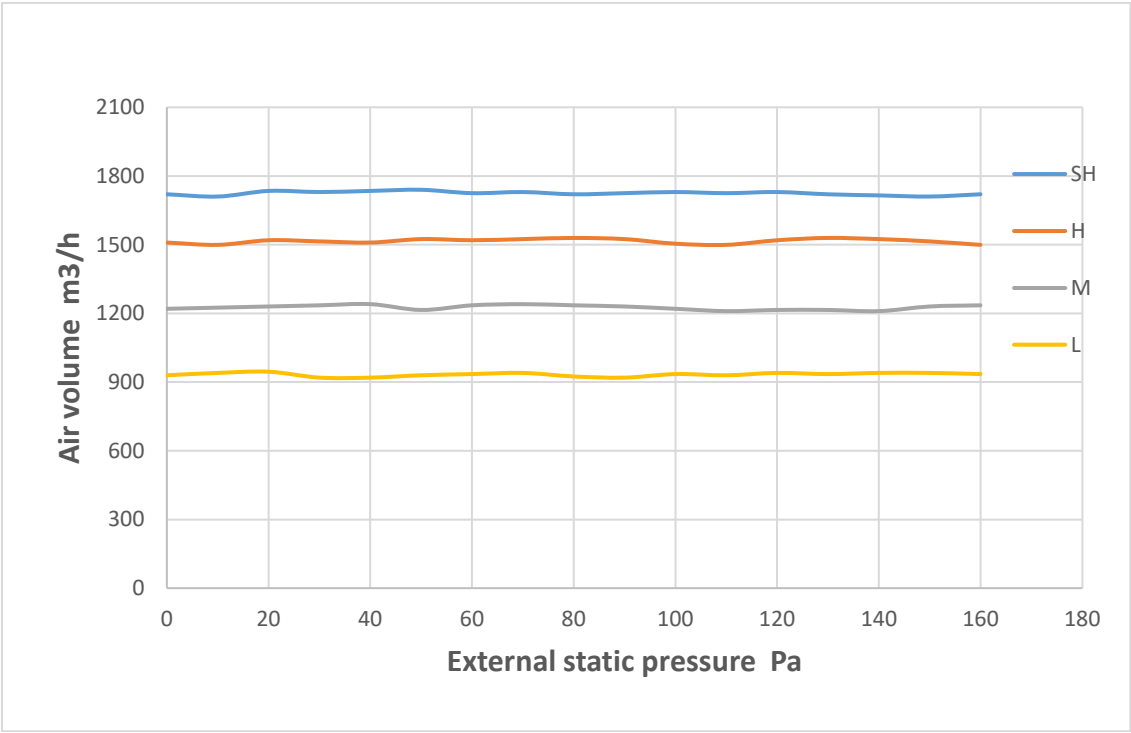

SP5
Air volume m3/h
External static pressure Pa
SH
H
M
L


SP6
Air volume m3/h
External static pressure Pa
SH
H
M
L

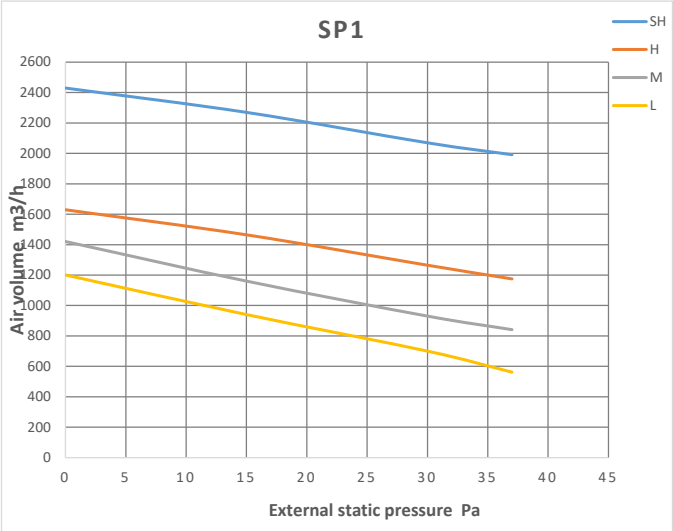


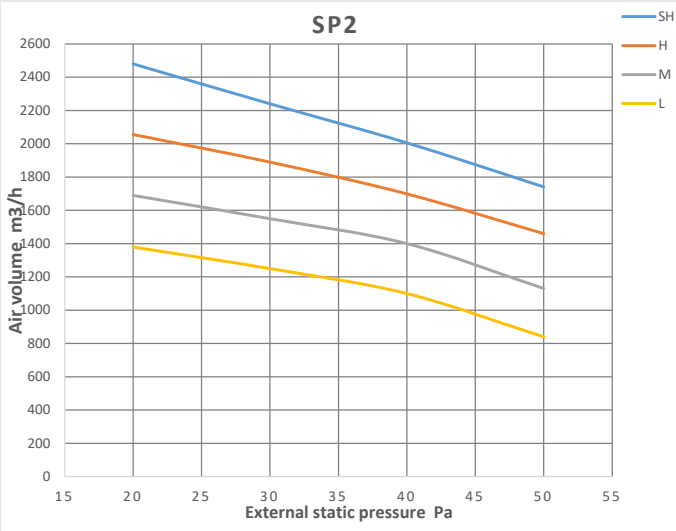


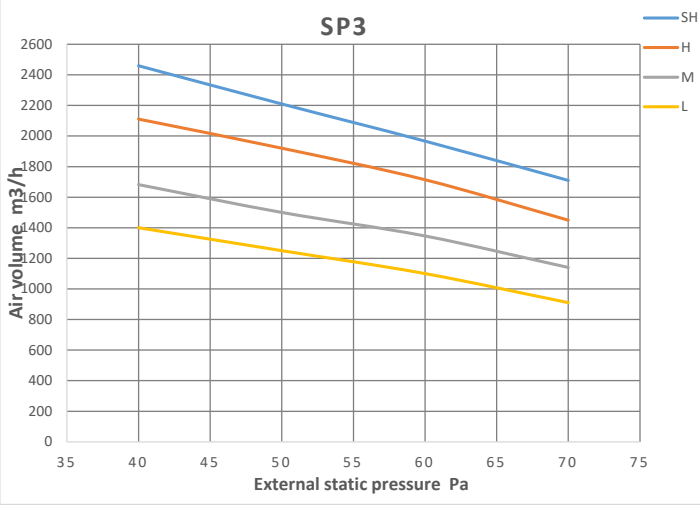
Constant air volume

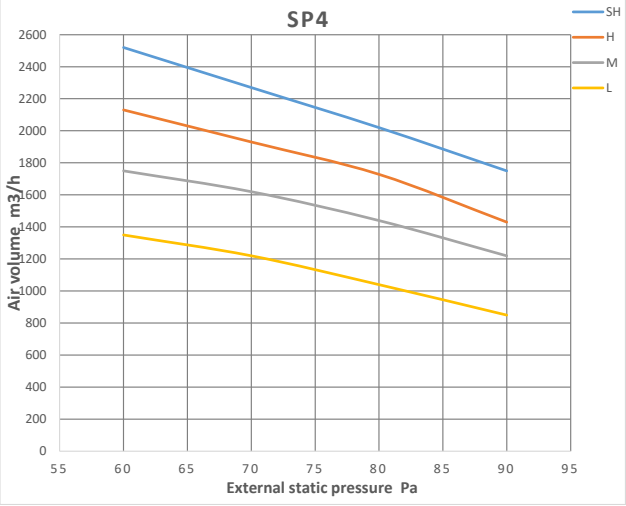


36k


SP1
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP2
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP3
SH
H
M
L
Air volume m3/h
External static pressure Pa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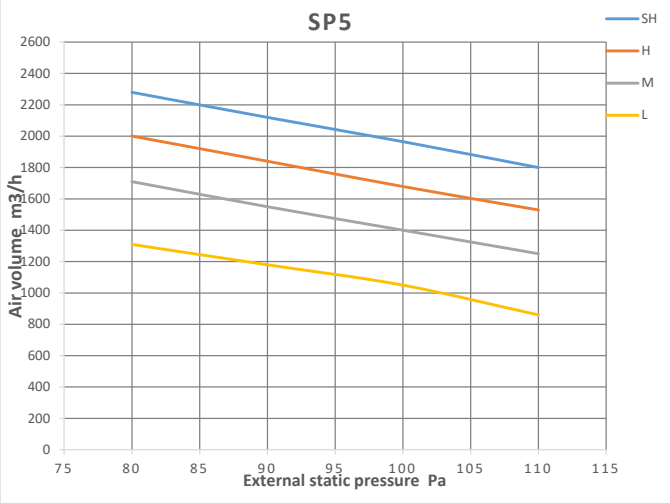
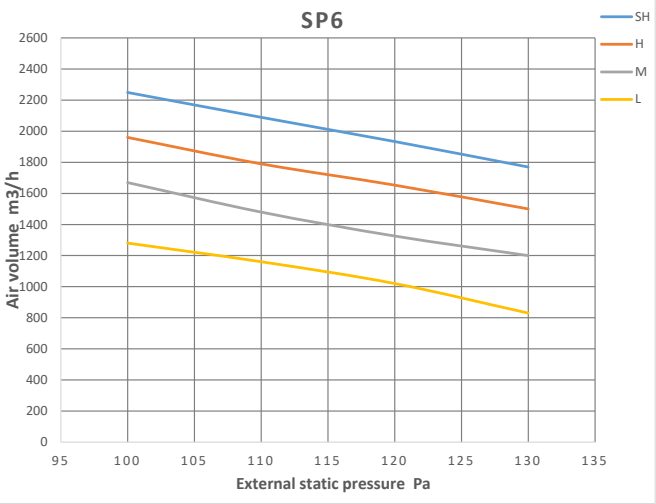
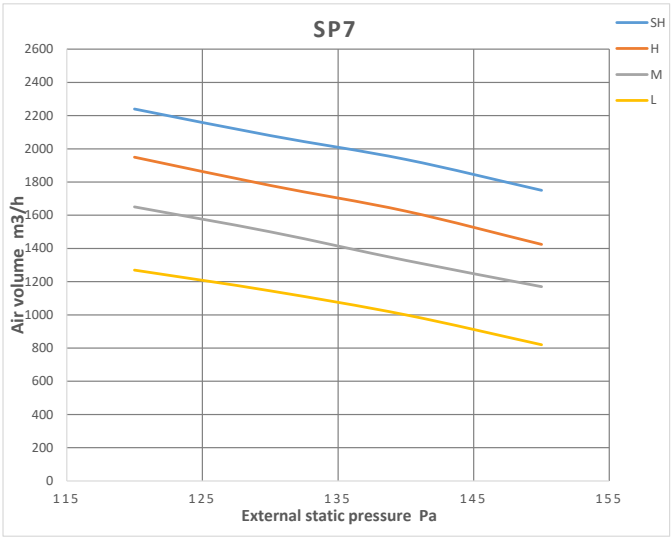
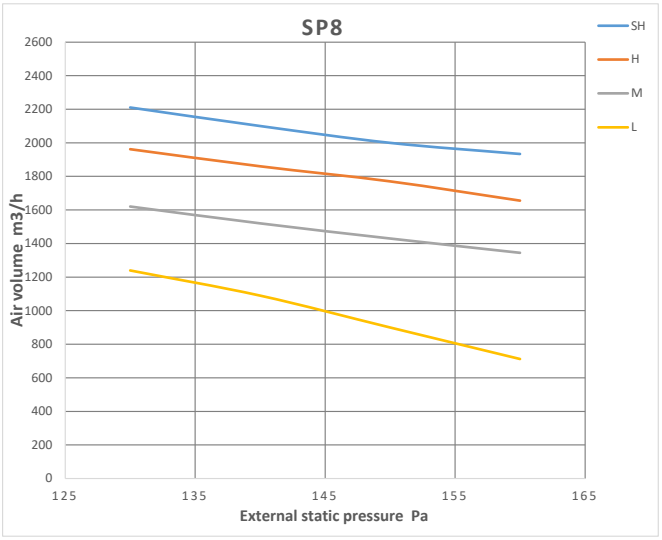
SH
H
M
L
Air volume m3/h
External static pressure Pa

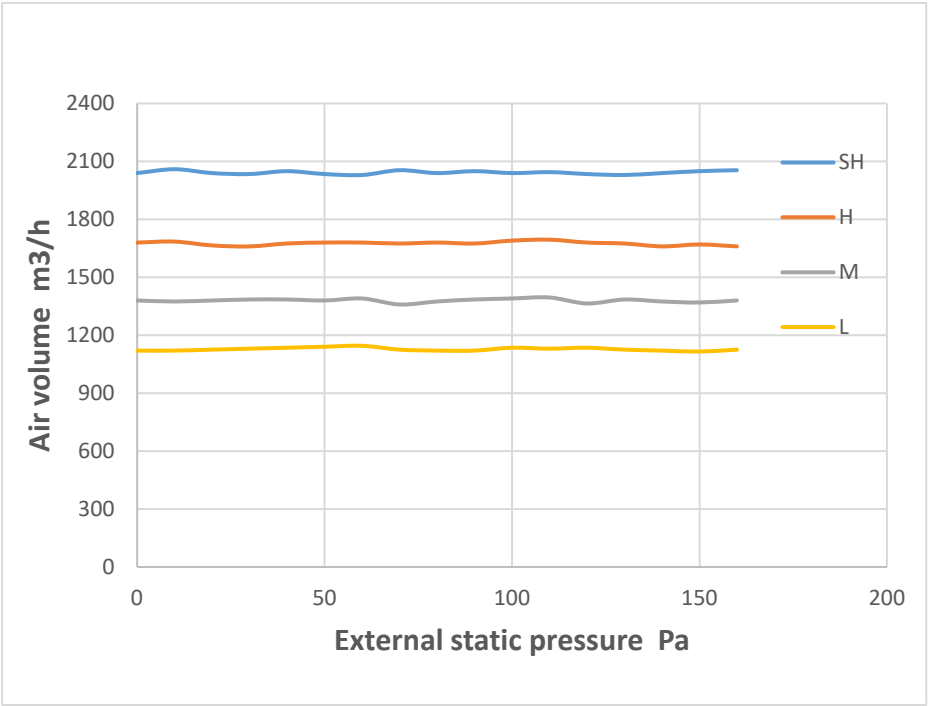

SP5
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP6
SH
H
M
L
Air volume m3/h
External static pressure Pa





Constant air volume



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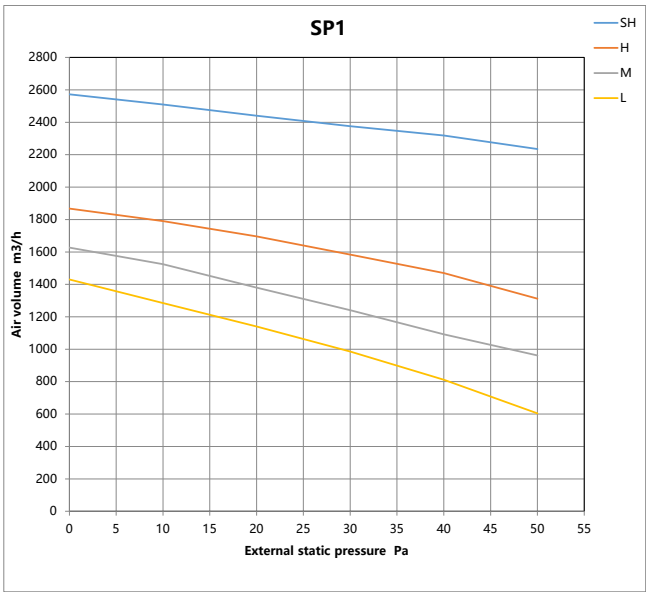
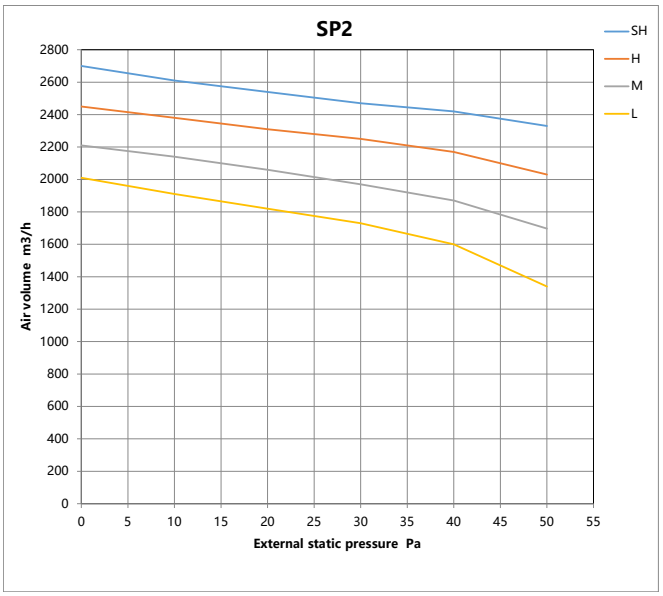
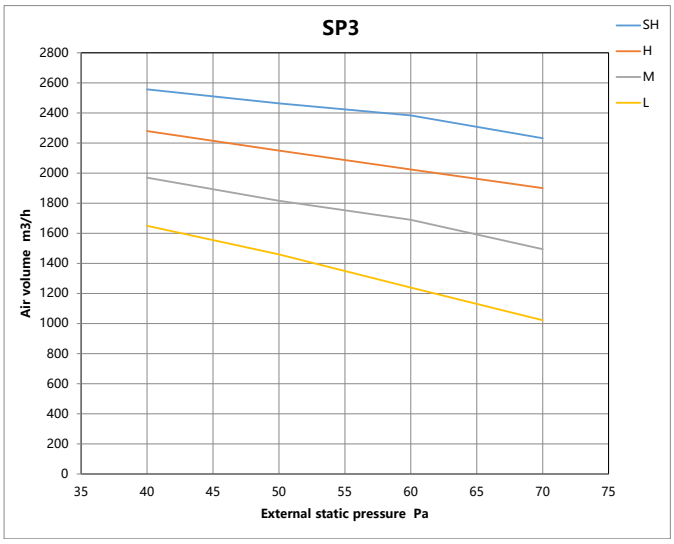
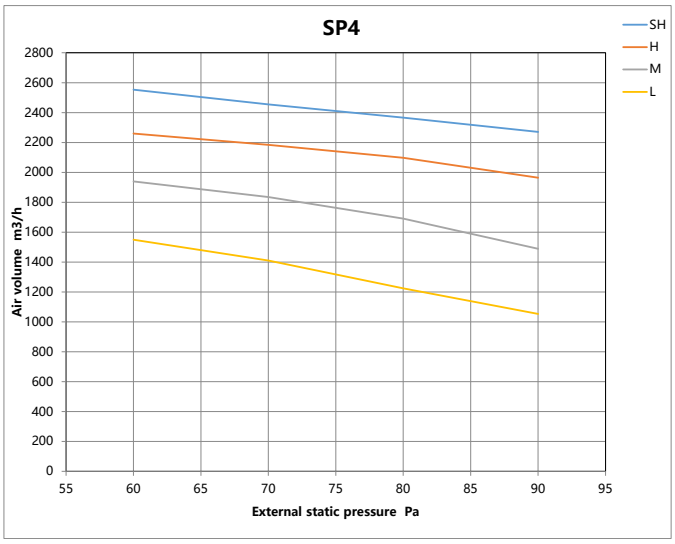
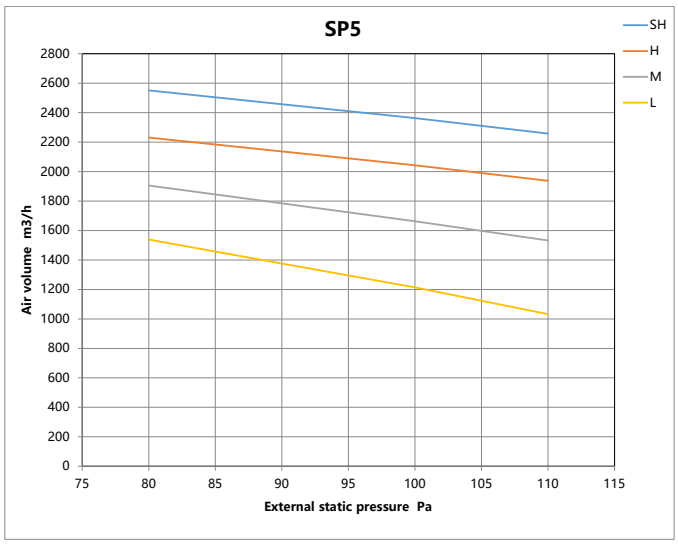

SP1
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP2
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP3
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP4
SH
H
M
L
Air volume m3/h
External static pressure Pa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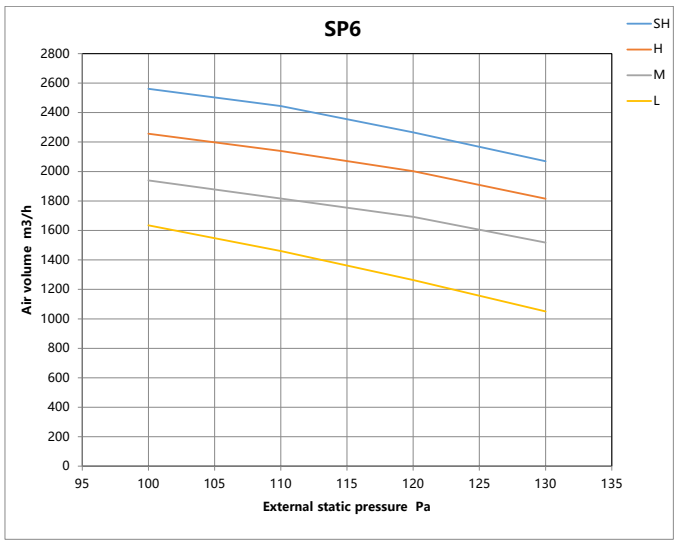
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP6
SH
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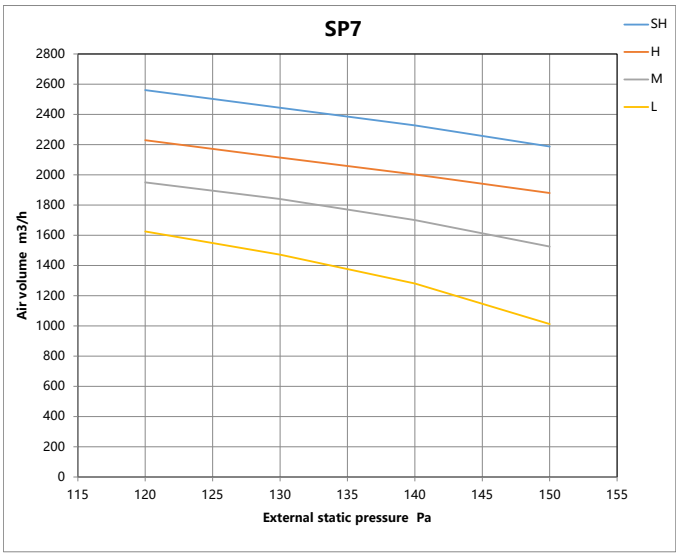
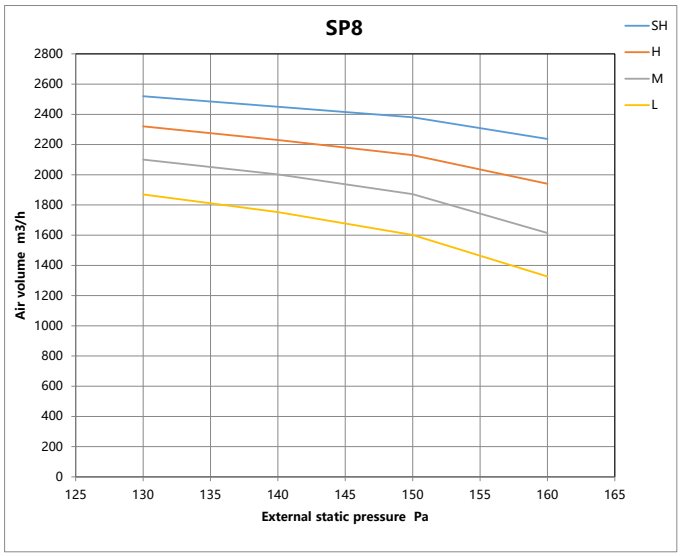
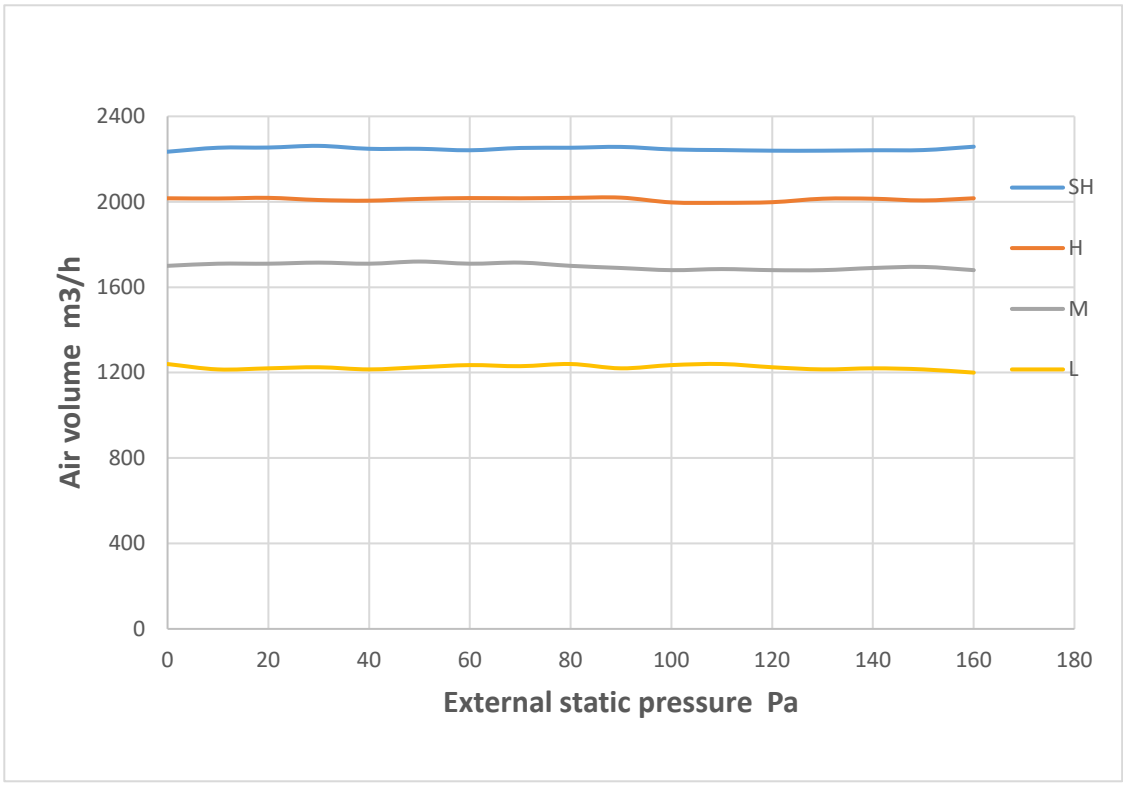
M
L
Air volume m3/h
External static pressure Pa

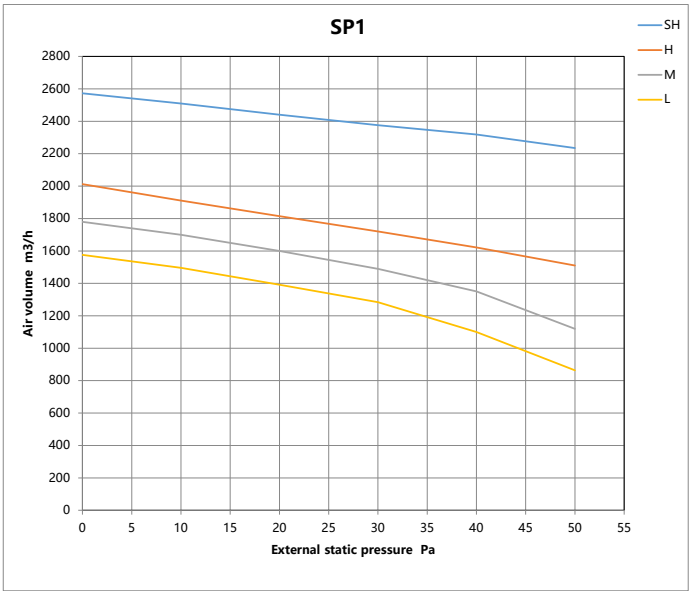


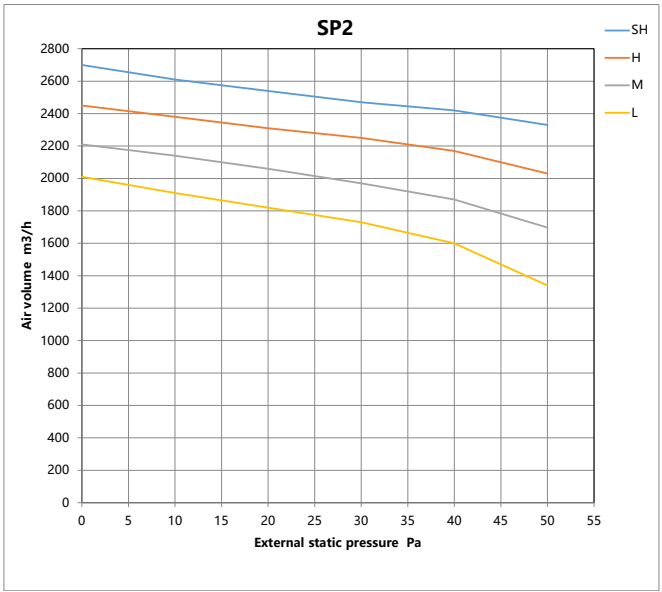


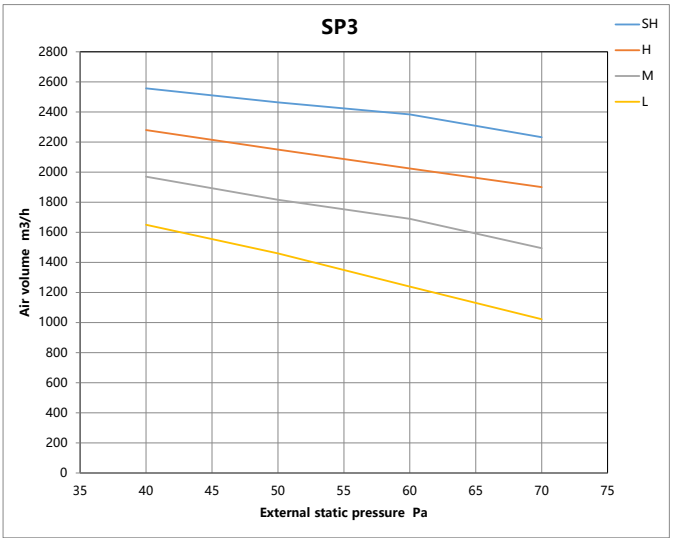
Constant air volume

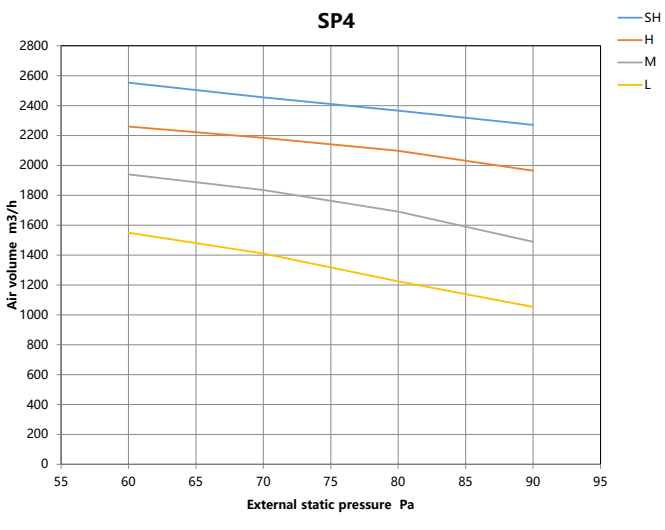


48k


SP1
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP2
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP3
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP4
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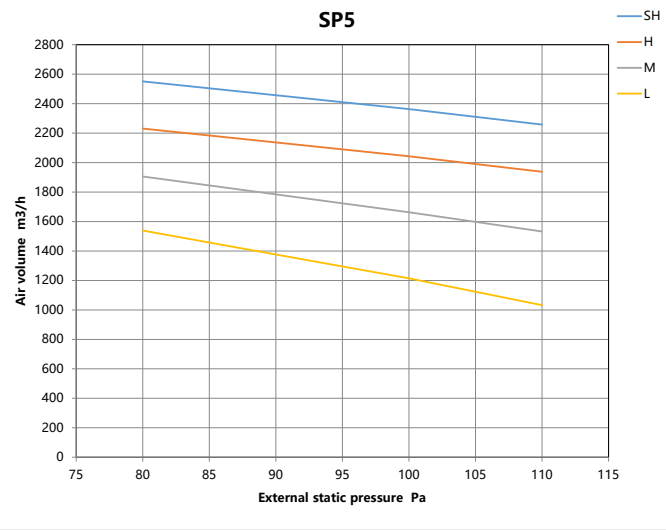
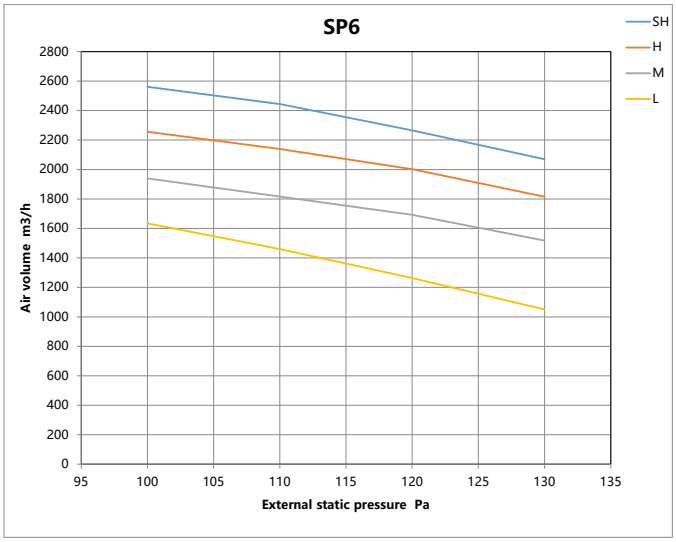
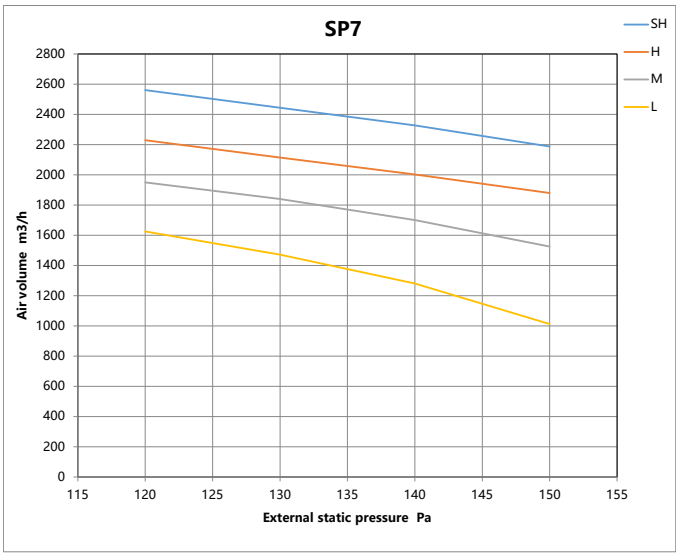
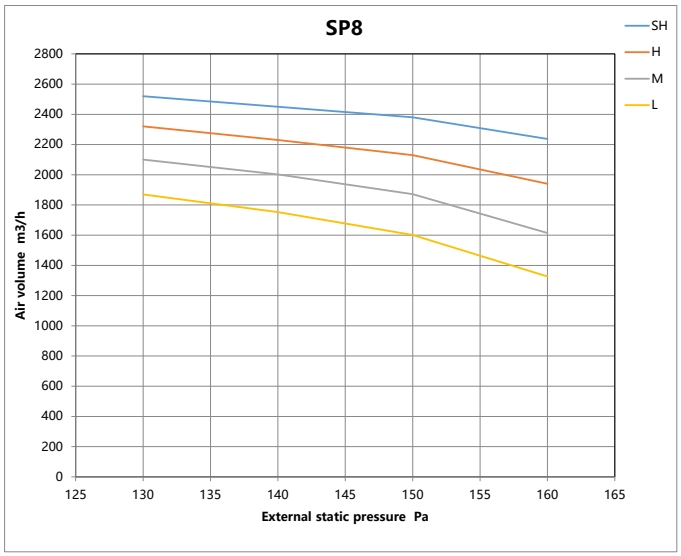
H
M
L
Air volume m3/h
External static pressure Pa

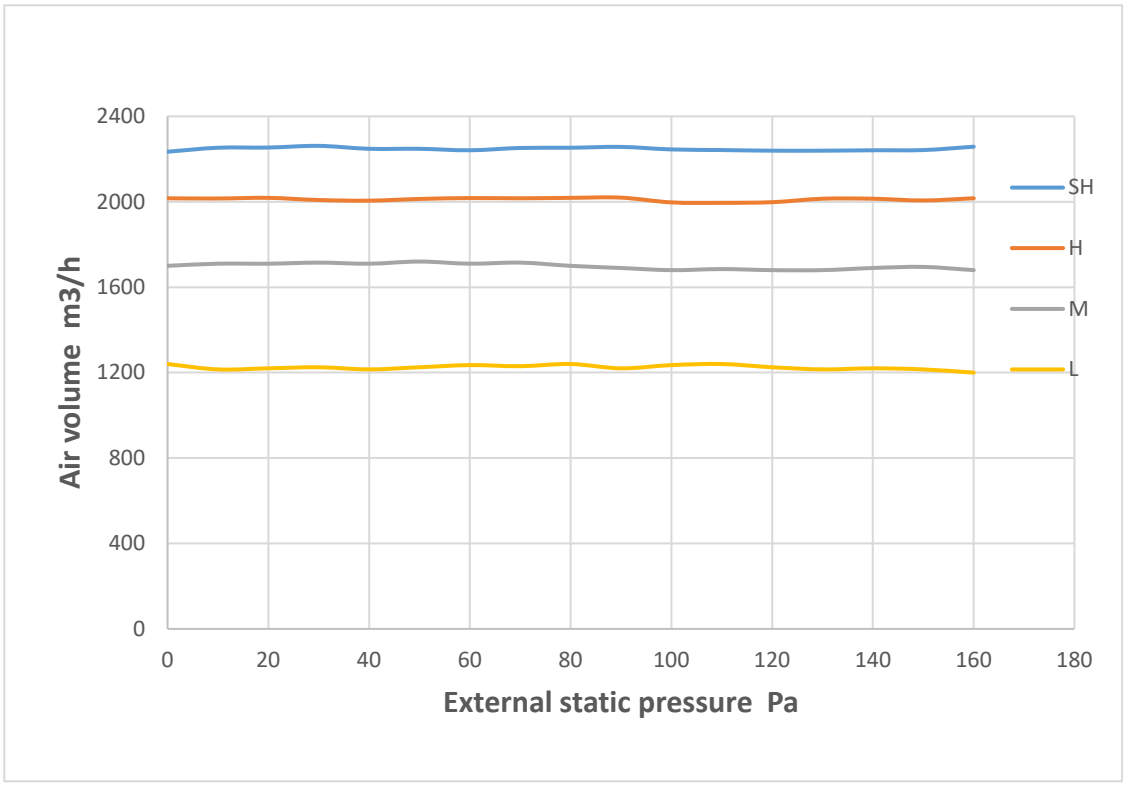

SP5
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP6
SH
H
M
L
Air volume m3/h
External static pressure Pa

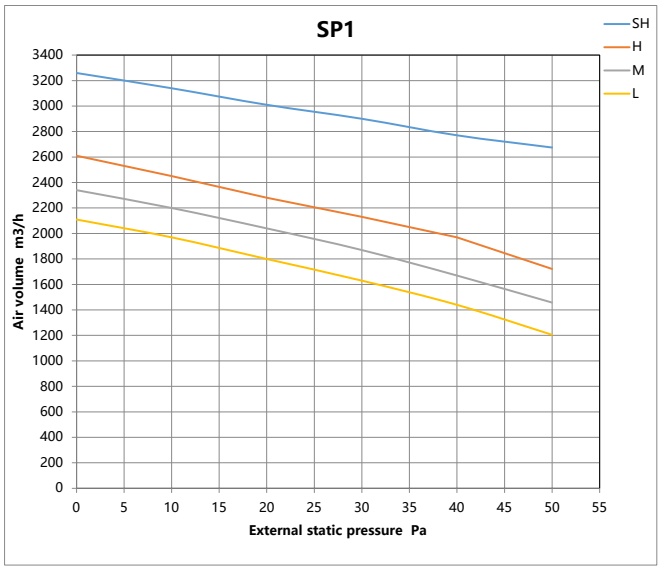


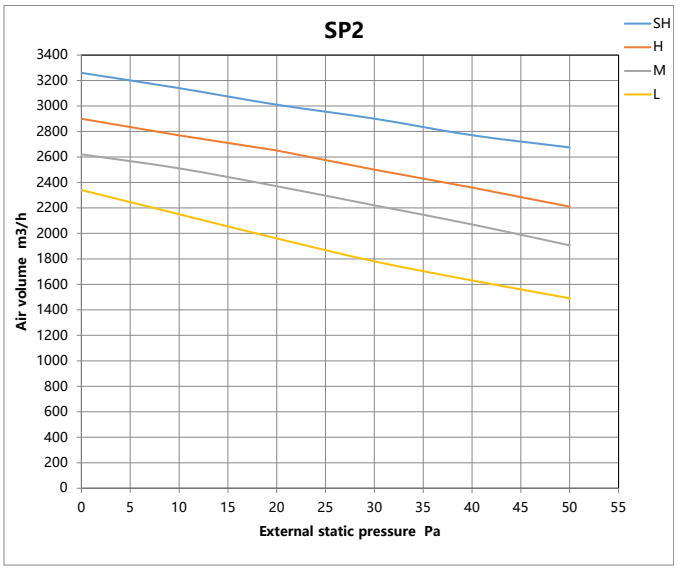


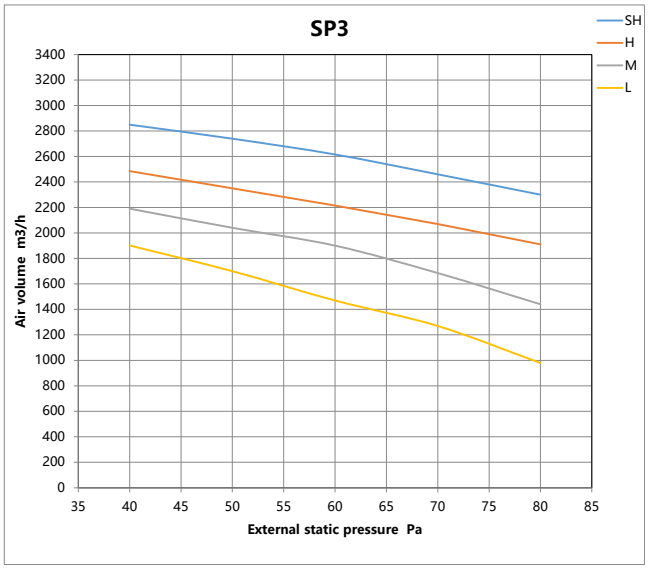
Constant air volume

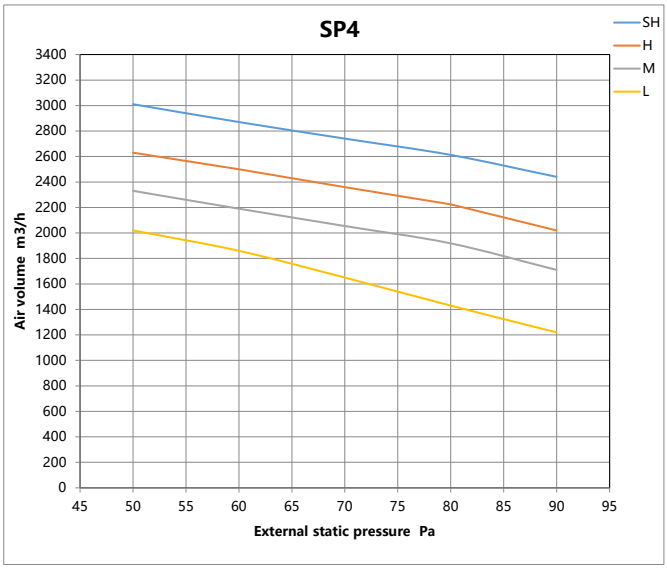


55k


SP1
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP2
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP3
SH
H
M
L
Air volume m3/h
External static pressure Pa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SH
H
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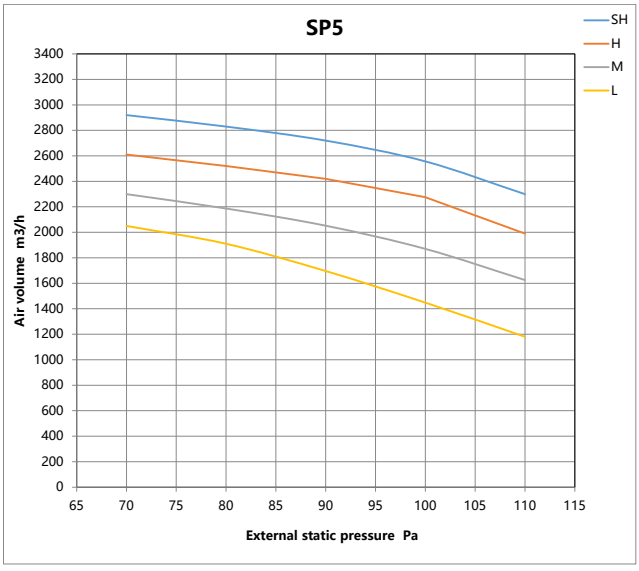
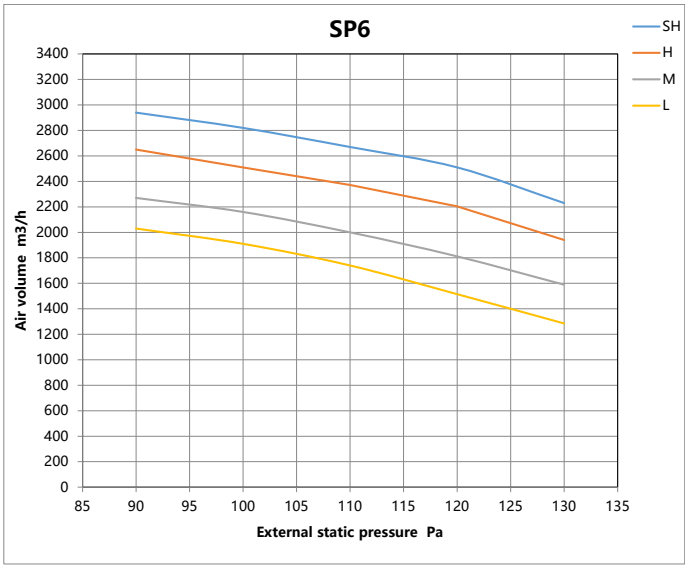
L
Air volume m3/h
External static pressure Pa


SP5
SH
H
M
L
Air volume m3/h
External static pressure Pa


SP6
SH
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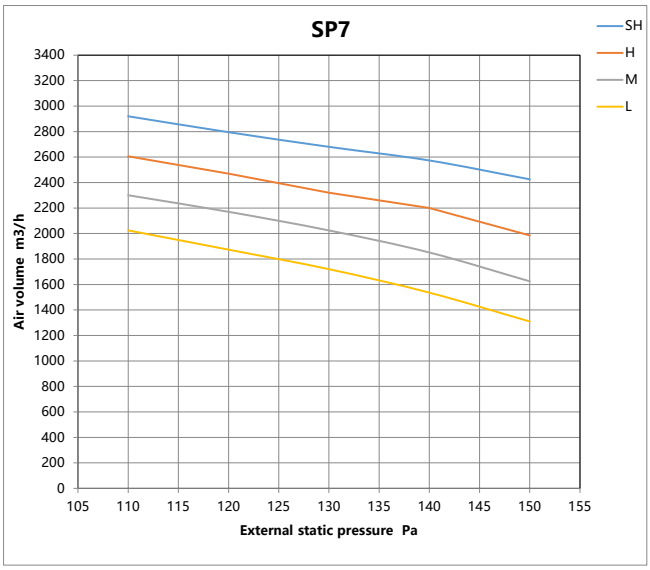
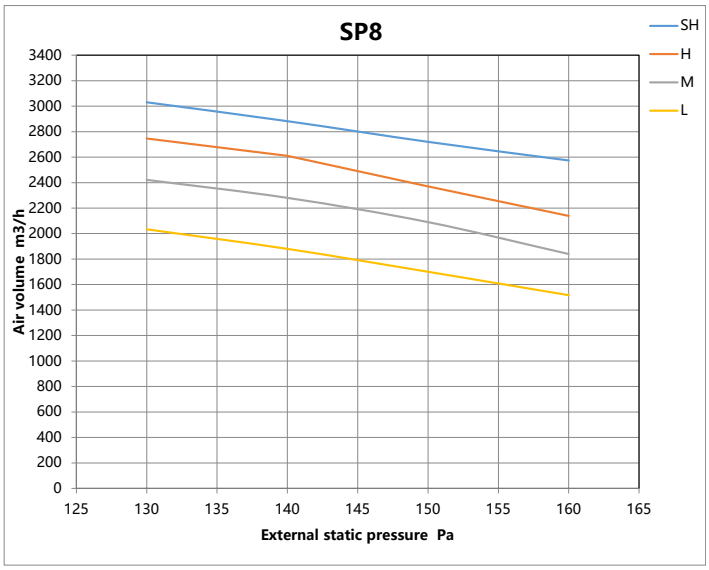
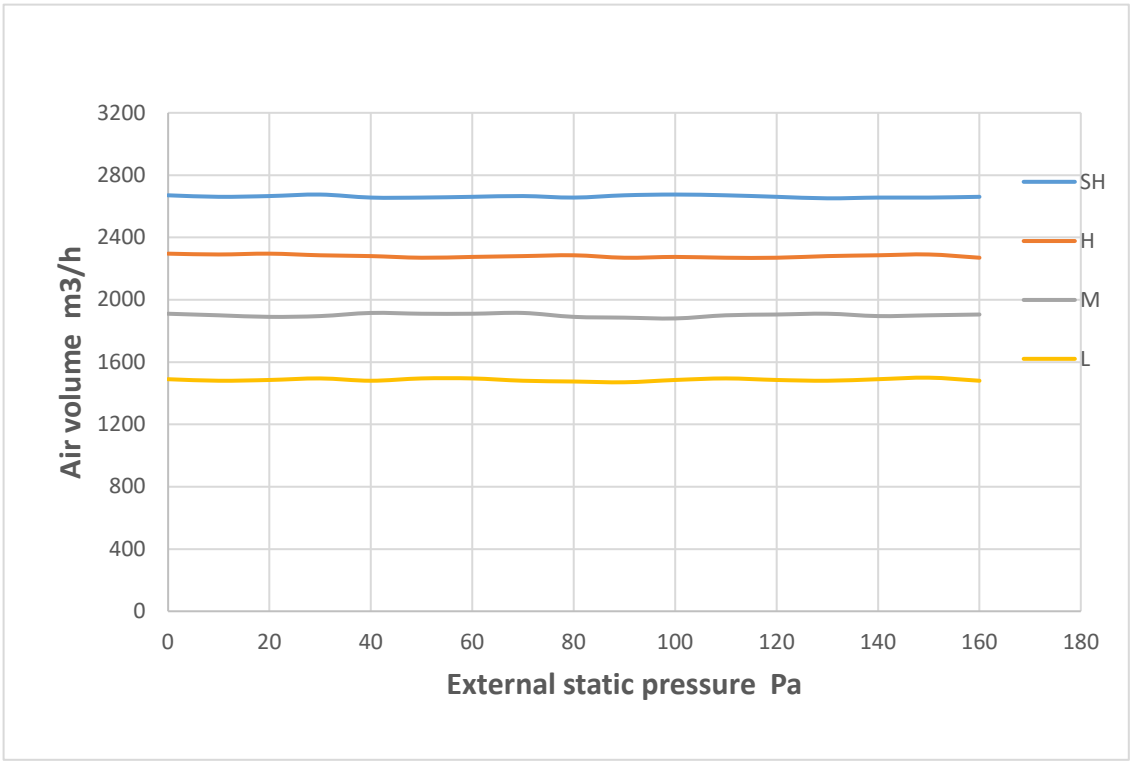
M
L
Air volume m3/h
External static pressure Pa





Constant air volume



Product Features

Contents

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
CDIFTEMP	Cooling shutdown temperature
HDIFTEMP2	Heating shutdown temperature
TCDE1	Exit defrost temperature1
TCDE2	Exit defrost temperature2 (maintain for a period of time)
TIMING_ DEFROST_TIME	Enter defrost time

In this manual, such as CDIFTEMP, HDIFTEMP2, TCDE1, TCDE2, TIMING_DEFROST_TIME...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.

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

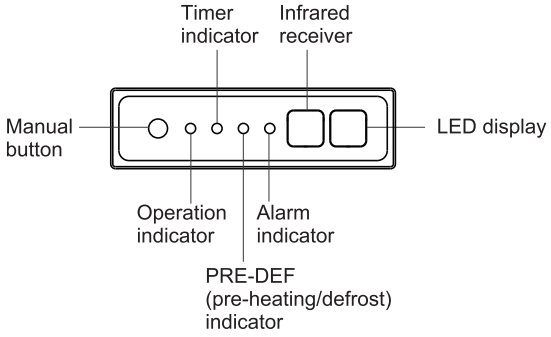
Preheating is automatically activated when T4 sensor is lower than setting temperature.

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



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.
- 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.
     - Calculated frequency(fb) is less than minimum limit frequency(FminC).
     - Compressor runs at FminC more than ten minutes.
     - T1 is lower than or equal to (Tsc-CDIFTEMP-0.5°C)
2) When the compressor runs continuously for more than 120 minutes.

- If the following conditions are satisfied, the compressor ceases operation.
  - Calculated frequency(fb) is less than minimum limit frequency(FminC).
  - Compressor runs at FminC more than 10 minutes.
  - When T1 is lower than or equal to (Tsc-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, T4 is more than 15°C or T4 fault.
   - Change setting temperature.
   - Turning on/off turbo or sleep function
   - 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.

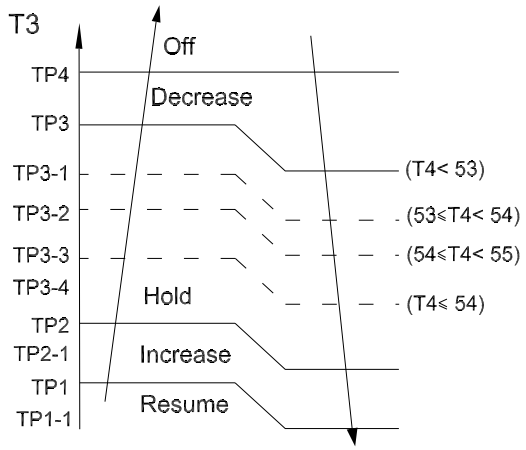
2) Auto fan action in cooling mode:

- Descent curve
  - When T1-Tsc is lower than 3.5°C/6.3°F, fan speed reduces to 80%(High);
  - When T1-Tsc is lower than 1°C/1.8°F,, fan speed reduces to 60%(Medium);
  - When T1-Tsc is lower than 0.5°C/0.9°F, fan speed reduces to 40%(Low);
  - When T1-Tsc is lower than 0°C/0°F, fan speed reduces to 20%(Low);;
  - When T1-Tsc is lower than -0.5°C/-0.9°F, fan speed reduces to 1%(Low);.
- Rise curve
  - When T1-Tsc is higher than or equal to 0°C/0°F, fan speed increases to 20%(Low);;
  - When T1-Tsc is higher than or equal to 0.5°C/0.9°F, fan speed increases to 40%(Low);
  - When T1-Tsc is higher than or equal to 1°C/1.8°F,, fan speed increases to 60%(Medium);
  - When T1-Tsc is higher than or equal to 1.5°C/2.7°F, fan speed increases to 80%(High);
  - When T1-Tsc is higher than or equal to 4°C/7.2°F, fan speed increases to 100%(High).

1.5.3 Outdoor Fan Control

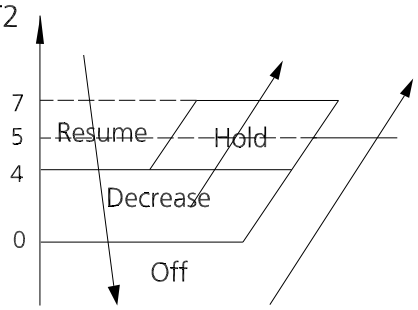
- The outdoor unit will be run at different fan speed according to T4 and compressor frequency.
- For different outdoor units, the fan speeds are different.

1.5.4 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.
  - Calculated frequency(fb) is less than minimum limit frequency(FminH).
  - Compressor runs at FminH more than 10 minutes.
  - 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.
  - Compressor running frequency is equal to test

frequency, T4 is more than 15°C or T4 fault.

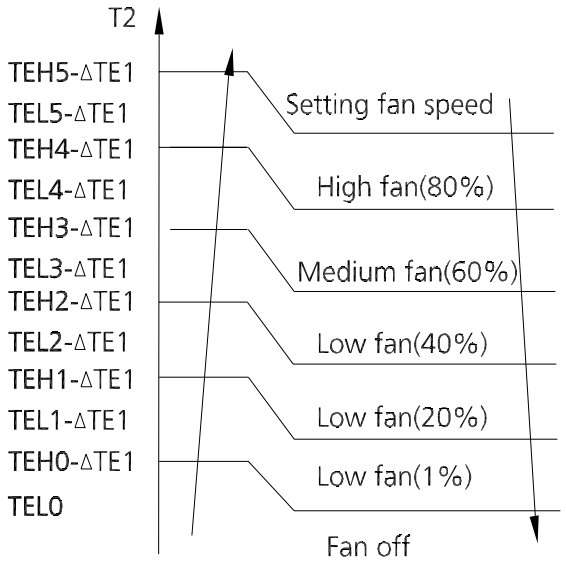
- Change setting temperature.
- Turning on/off turbo or sleep function

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/-2.7°F,, fan speed reduces to 80%(High);
  - When T1-Tsc is higher than 0°C/0°F, fan speed reduces to 60%(Medium);
  - When T1-Tsc is higher than 0.5°C/0.9°F, fan speed reduces to 40%(Low);
  - When T1-Tsc is higher than 1°C/1.8°F, fan speed reduces to 20%(Low).
- Descent curve
  - When T1-Tsc is lower than or equal to 0.5°C/0.9°F, fan speed increases to 40%(Low);
  - When T1-Tsc is lower than or equal to 0°C/0°F, fan speed increases to 60%(Medium);
  - When T1-Tsc is lower than or equal to -1.5°C/-2.7°F,, fan speed increases to 80%(high);
  - When T1-Tsc is lower than or equal to -3°C/-5.4°F, fan speed increases to 100%(High).

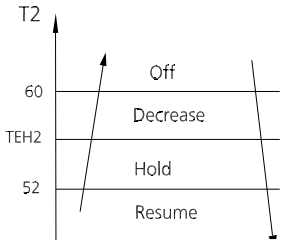
1.6.3 Outdoor Fan Control:

- 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.

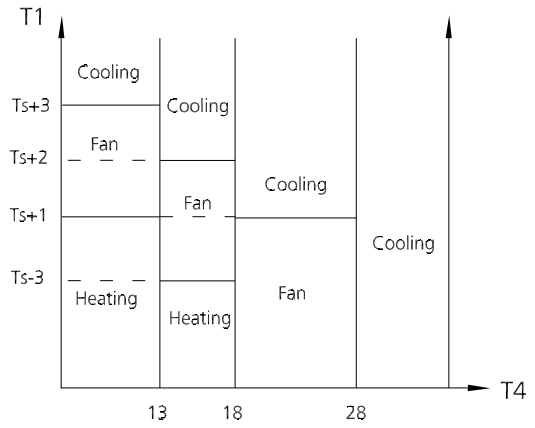
1.6.5 Evaporator Coil Temperature Protection



- 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 or fan-only mode on the basis of T1,Ts and T4.



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 auto →Forced cooling →Off

- 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 off automatically at the preset Off Time and then turns on 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 (Optional)

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(Optional)

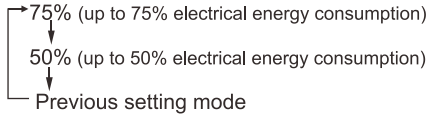
- Press "Silence" or keep pressing Fan button for more than 2 seconds on the remote control to enable the SILENCE function. While this function is active, the compressor frequency is maintained at a lower level than F3. The indoor unit will run at faint breeze(1%), which reduces noise to the lowest possible level.
- When match with multi outdoor unit, this function is disabled.

1.16 ECO Function(Optional)

- 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 (Optional)

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(Optional)

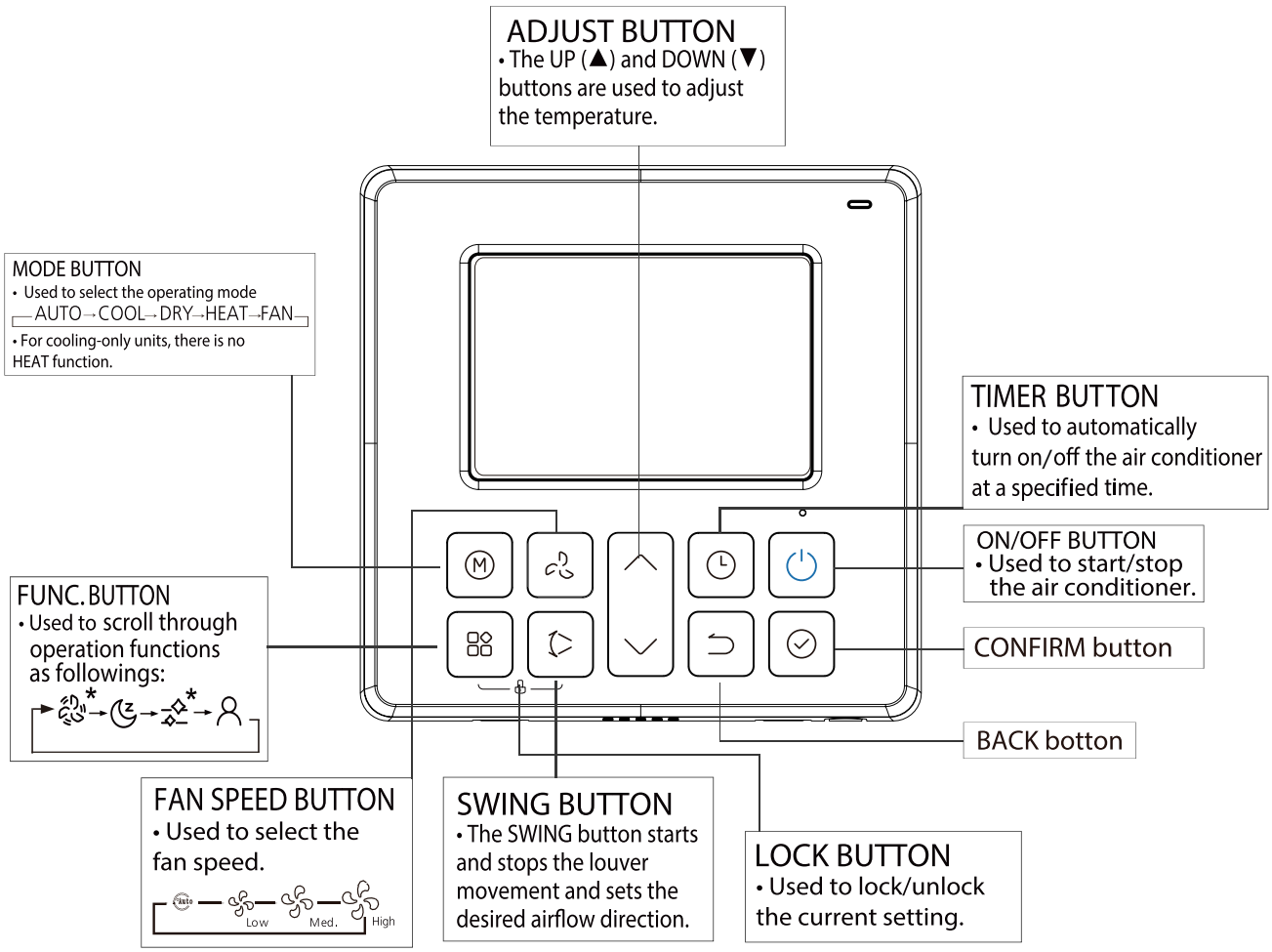
- The Active Clean Technology washes away dust, mold, and grease that may cause odors when it adheres to the heat exchanger by automatically freezing and then rapidly thawing the frost. The internal wind wheel then keeps operating to blow-dry the evaporator, thus preventing the growth of mold and keeping 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.

2. Remote Controller Functions

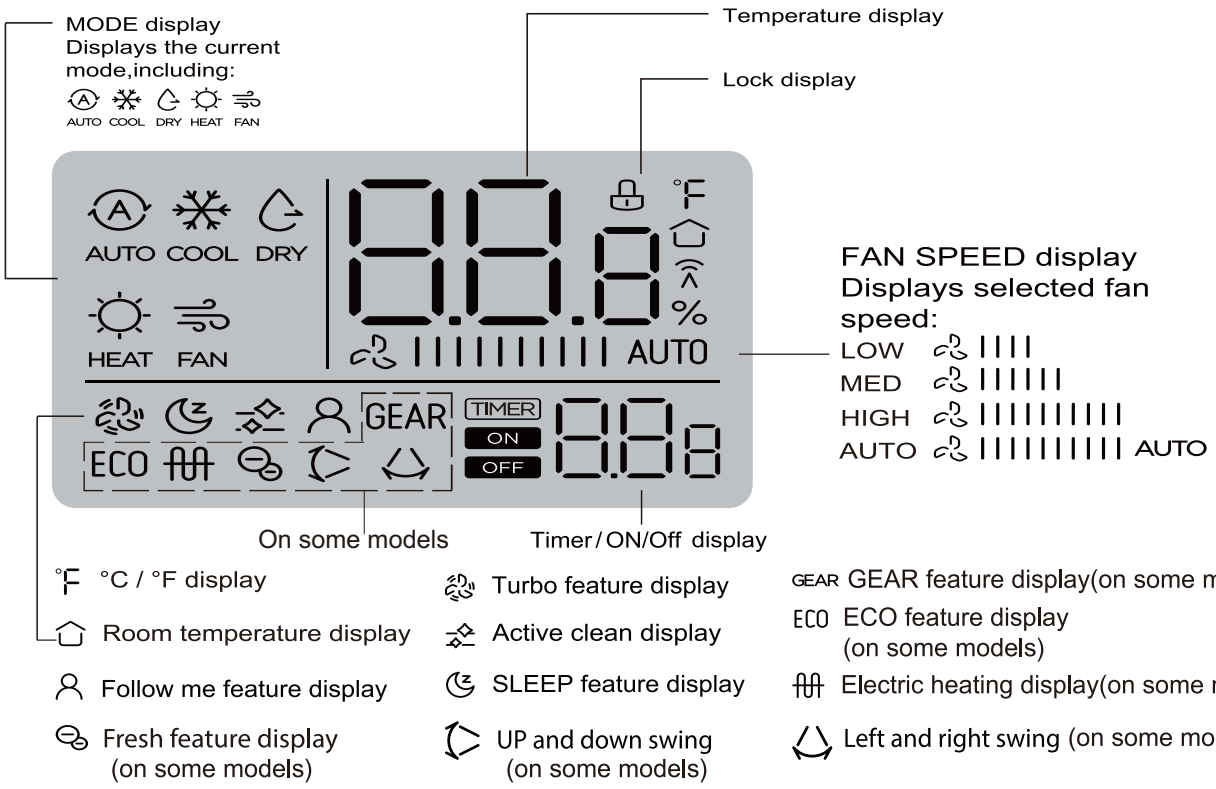
2.1 LCD Wired Remote Controller

2.1.1 LCD Wired Remote Controller KJR-120L/F-E(Standard)

i) Buttons and Functions

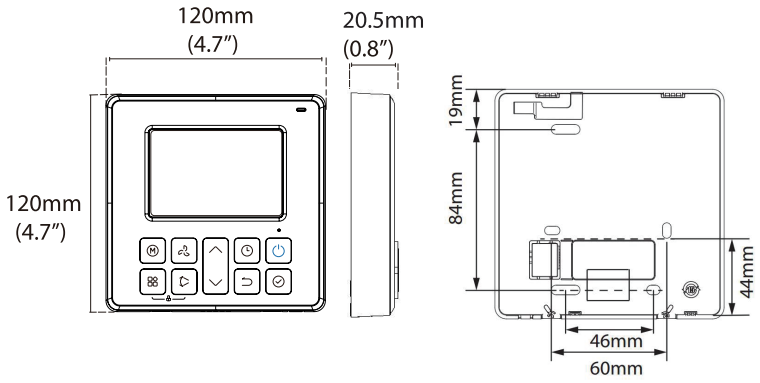


ii) LCD Screen



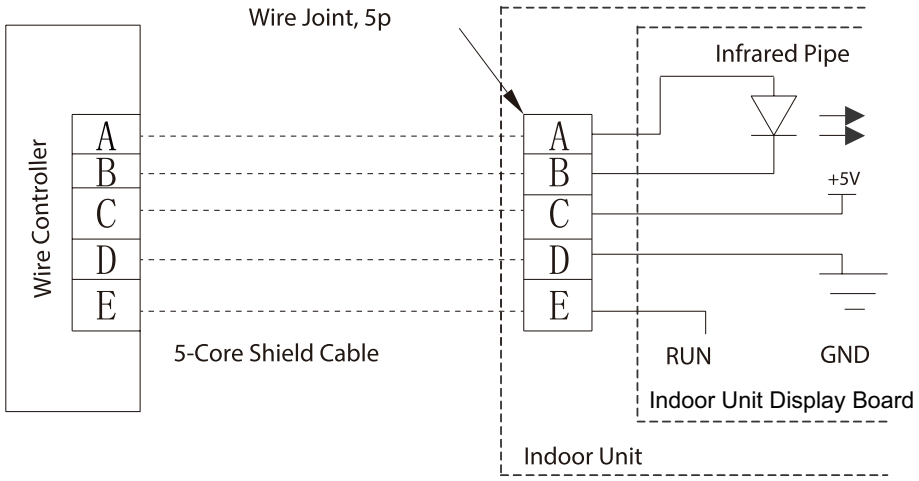
iii) Installation

- Dimensions



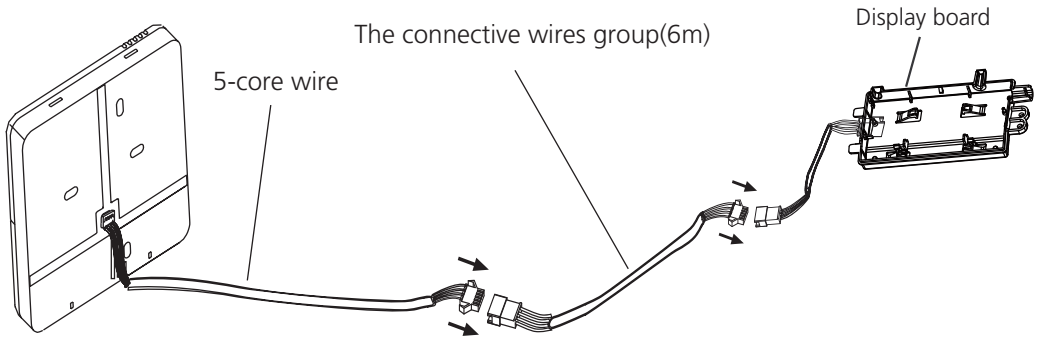
- Wiring diagram

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



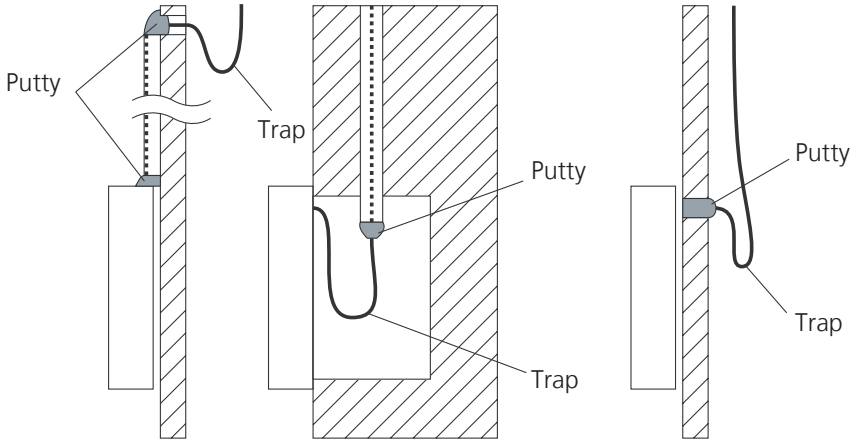
- Installation Diagram

  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.



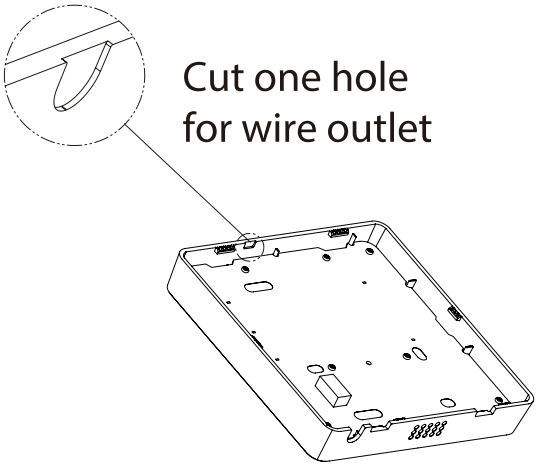
Note: Be sure to reserve a length of the connecting wire for periodic maintenance.

If there is a connection lug at the end of shielded wire, the connection lug should be properly grounded.

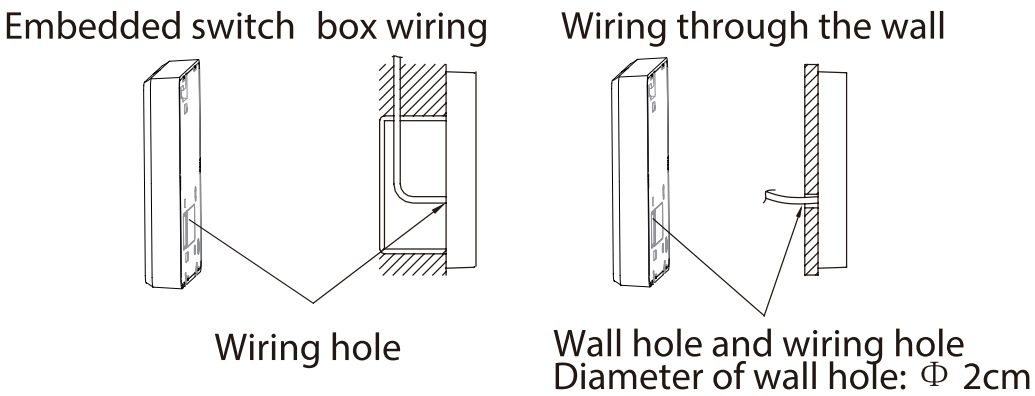


Note: DO NOT allow water to enter the remote control. Use the trap and putty to seal the wires.

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



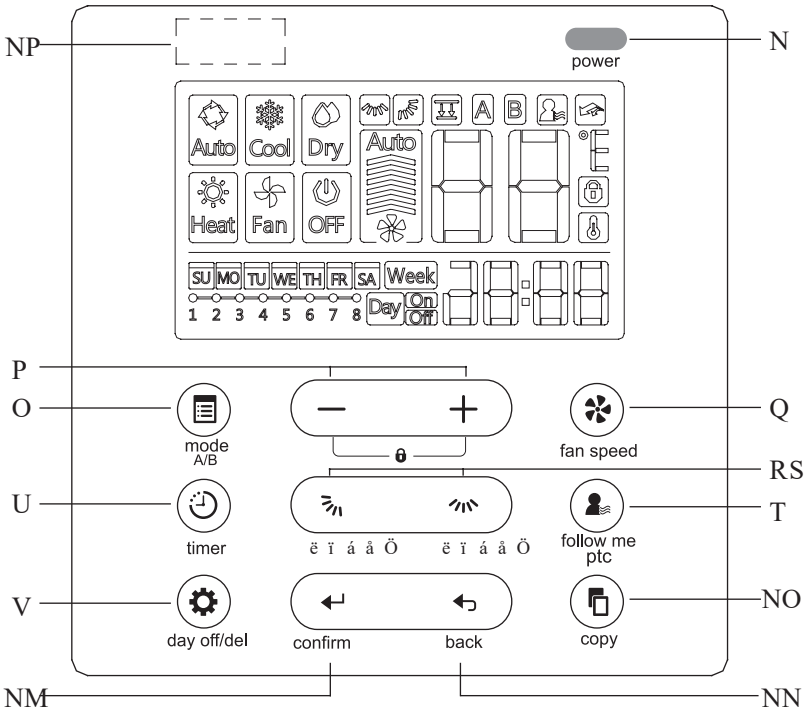
- For shielded wiring, please refer to the picture below.



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

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

i) Buttons and Functions



1. POWER button

Turn on of 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-righ airflow swing Button

Press for activing 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

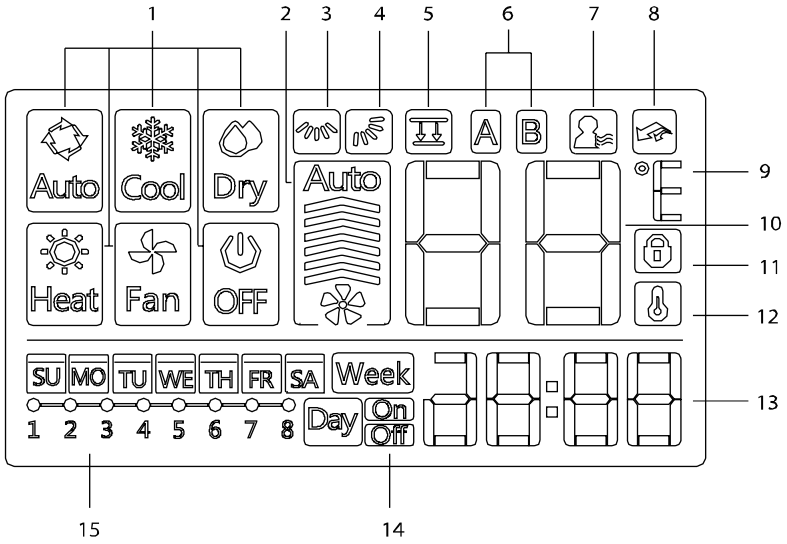
Back to previous operation or superior menu

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

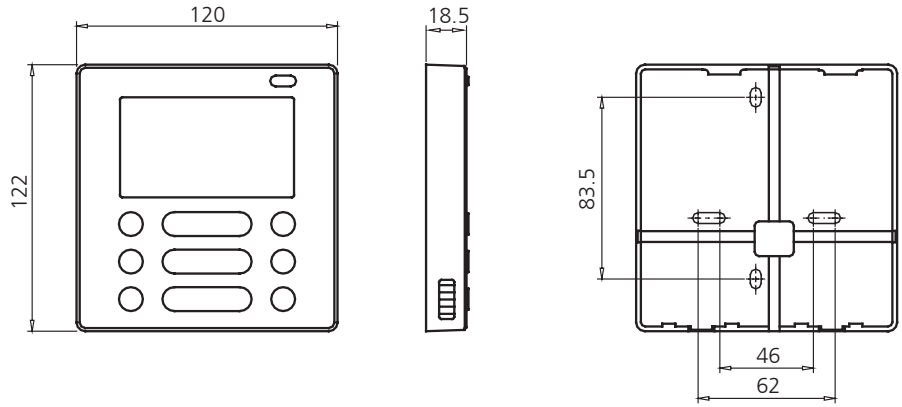
13 Clock display

14 On/Off timer

15 Timer display

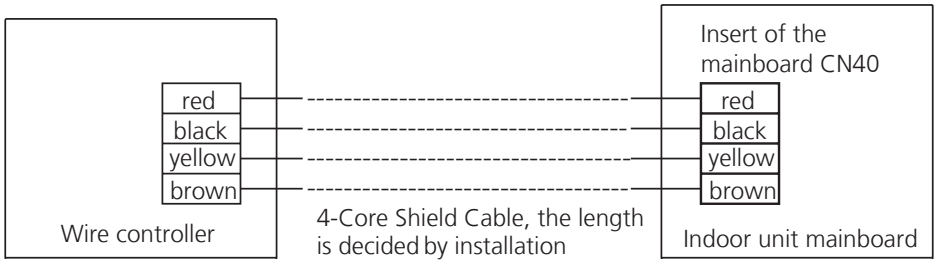
iii) Installation

- Dimensions



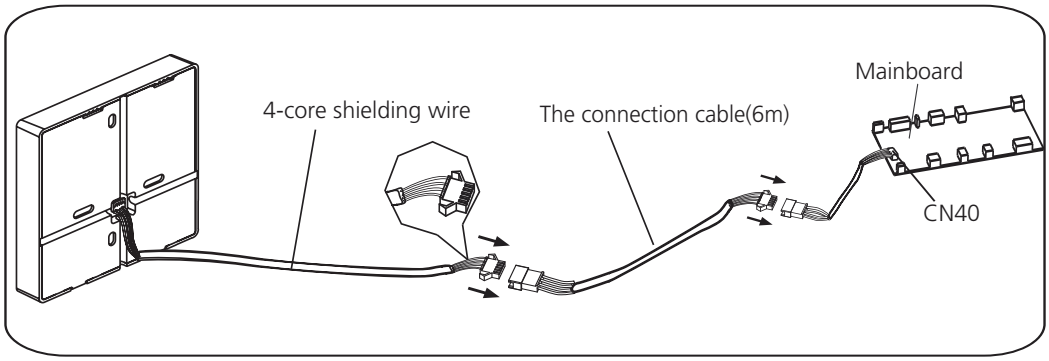
- Wiring diagram

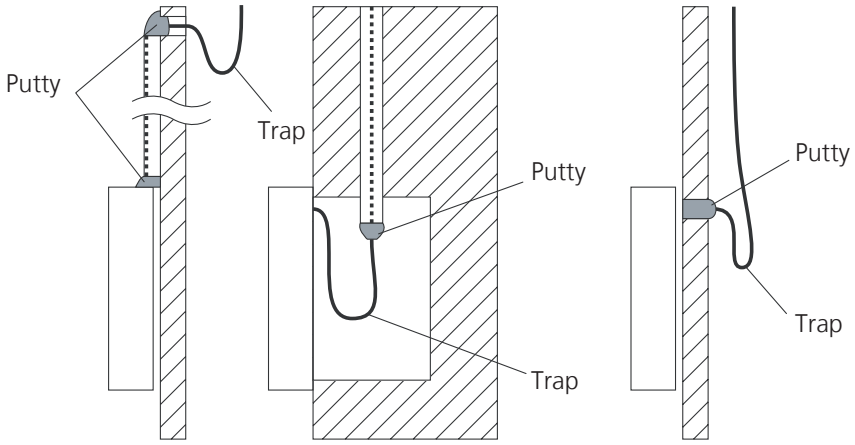
Refer to the following diagram to wire the wall-mounted remote control to the indoor unit.



- Installation Diagram

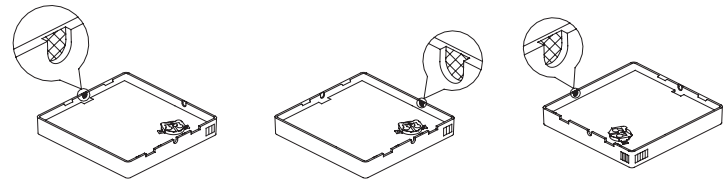
Connect the female joint of wires group from the mainboard with the male joint of connective wires group. Then connect the other side of connective wires group with the male joint of wires group leads from wire controller.





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.

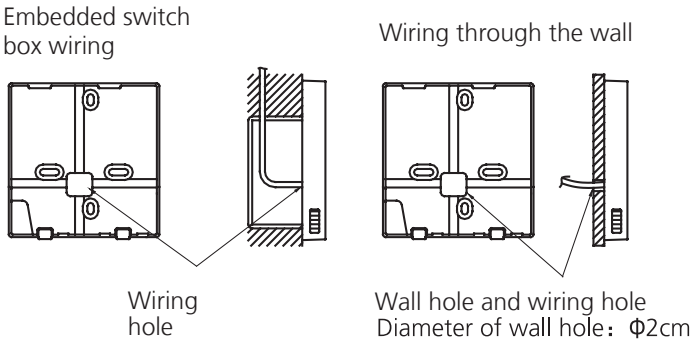


Cutting place of top side wire outlet

Cutting place of left side wire outlet

Cutting place of right side wire outlet

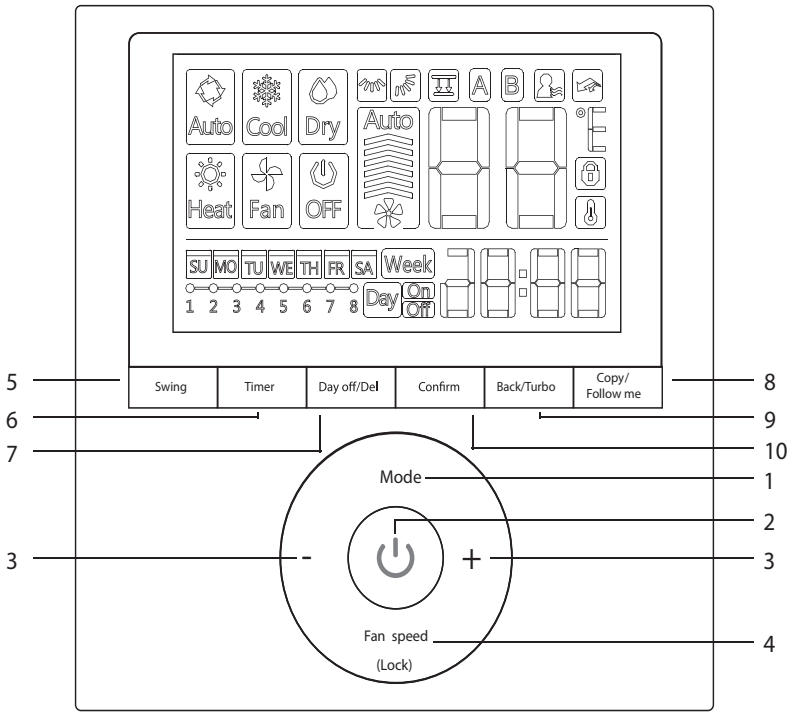
- For shielded wiring, please refer to the picture below.



2.1.3 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

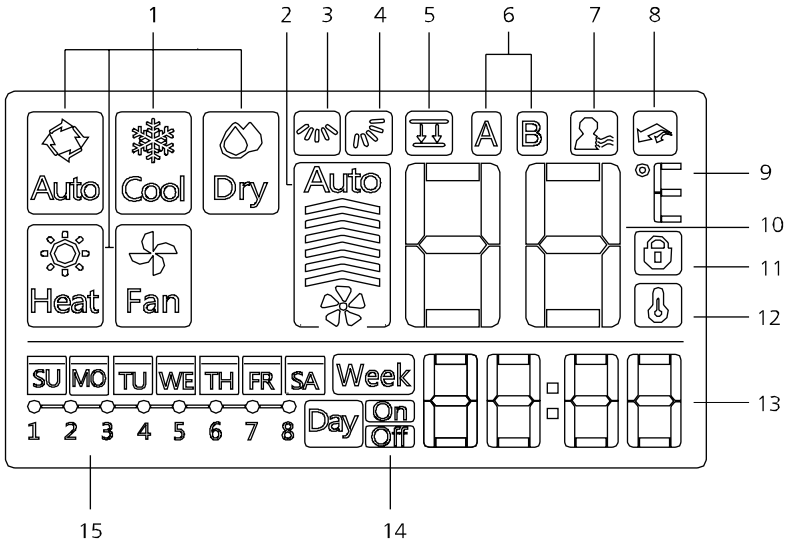
Back to previous operation or superior menu

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

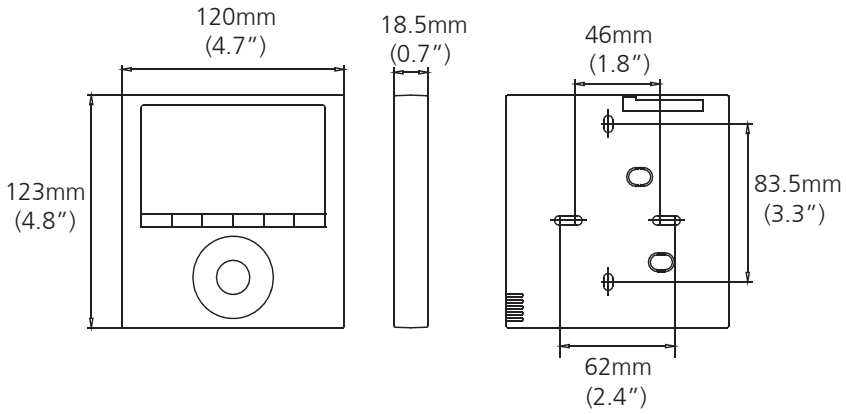
13 Clock display

14 On/Off timer

15 Timer display

iii) Installation

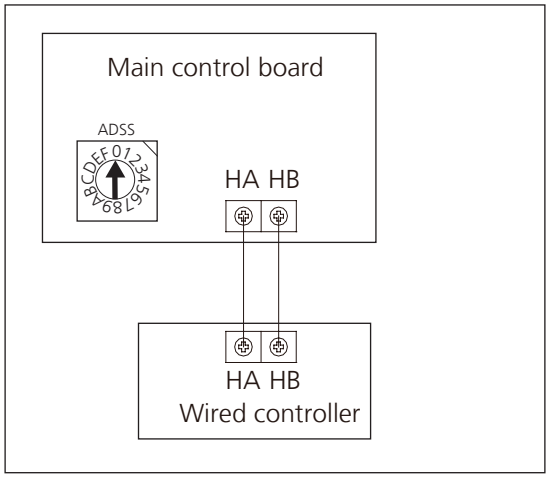
- Dimensions



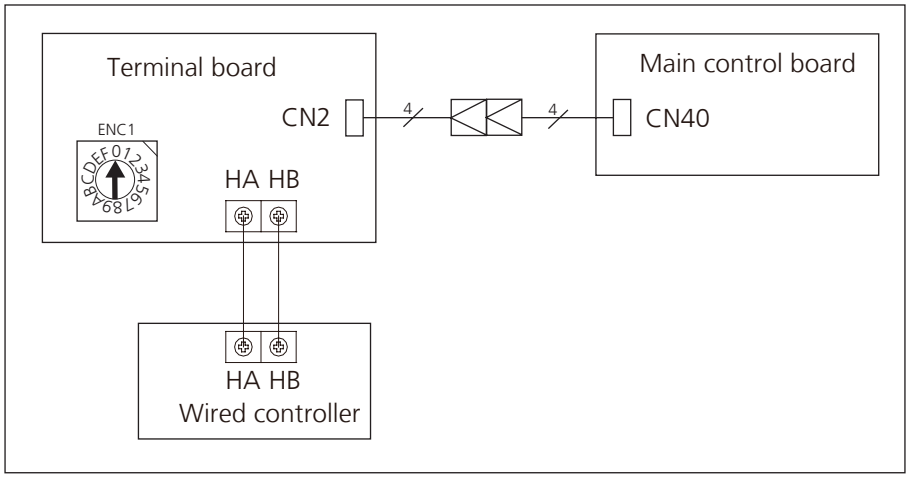
- Wiring diagram

3) Connection

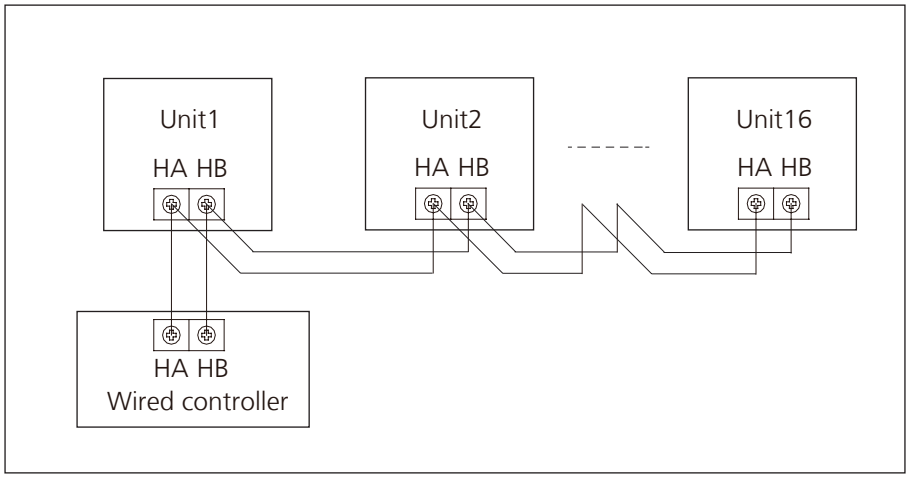
For some models: The wired controller connects to main control board directly.



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



4) Address setting

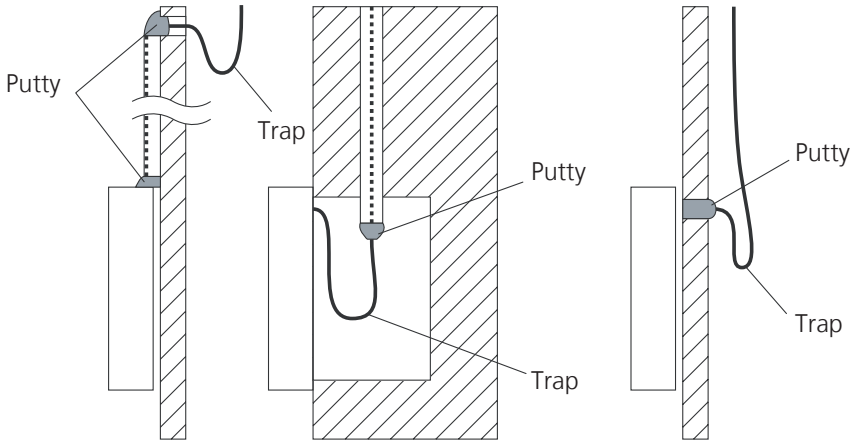


a. One non-polarity controller can control up to 16 indoor units.

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.

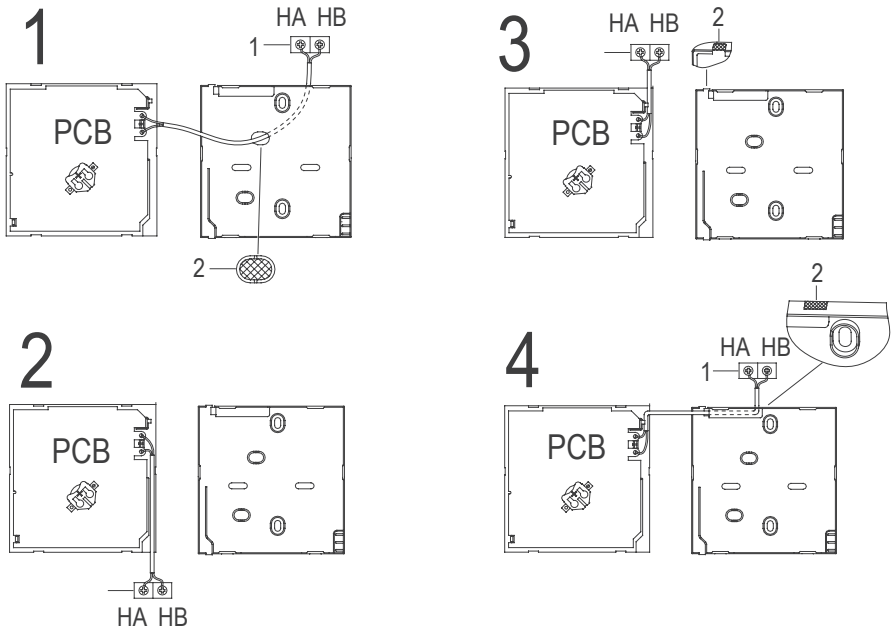
c. Address code of air-conditioner in LAN is set by code switch ENC1(Duct and Ceiling& Floor) or ADSS(Cassette) of the indoor unit, and the set range is 0-15.

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.

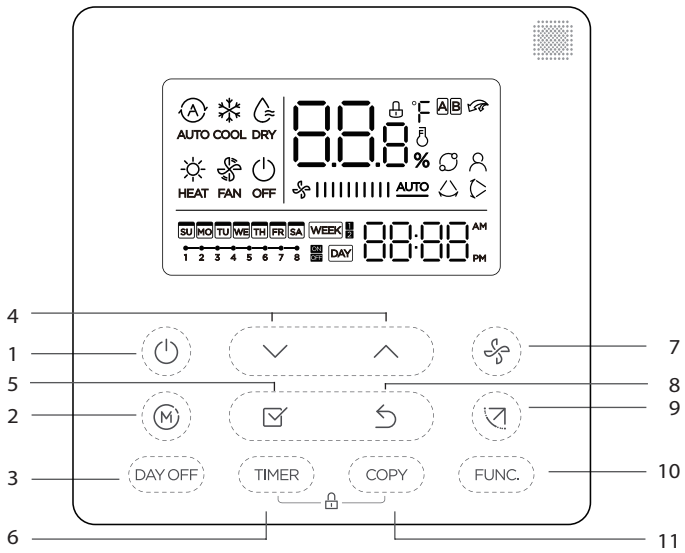


- 1: Indoor Unit.
- 2: Notch the part for the wiring to pass through with a nipper tool.
- Connect the terminals on the remote controller (HA ,HB), and the terminals of the indoor unit. (HA ,HB). (HA and HB do not have polarity.)

2.1.4 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 of 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

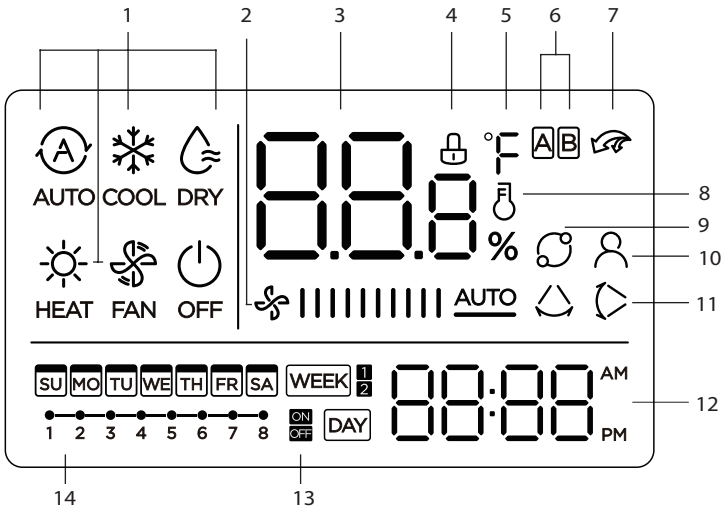
10. FUNC. button

Press the FUNC. button to set the turbo or rotating or Ifeel function.

11. COPY button

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

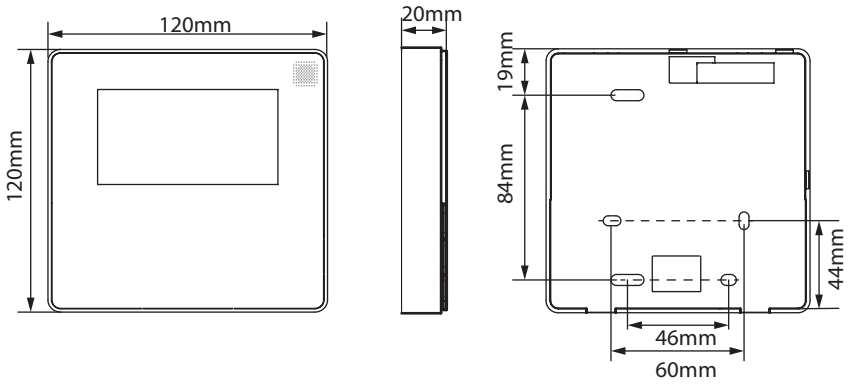
ii) LCD Screen



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

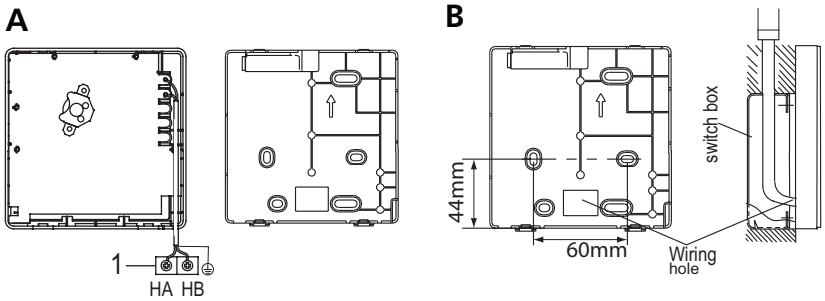
iii) Installation

- Dimensions



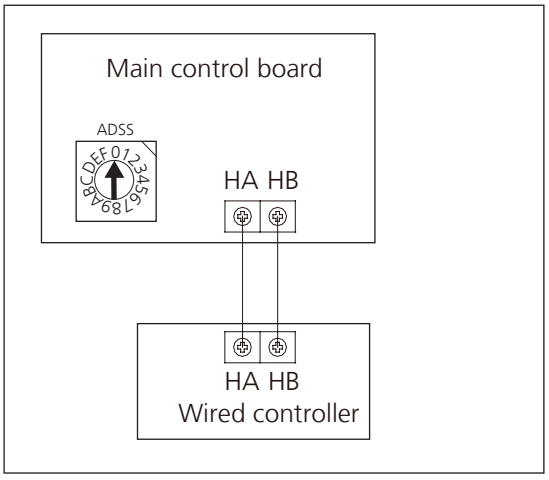
5) Connection

- Wire with the indoor unit:

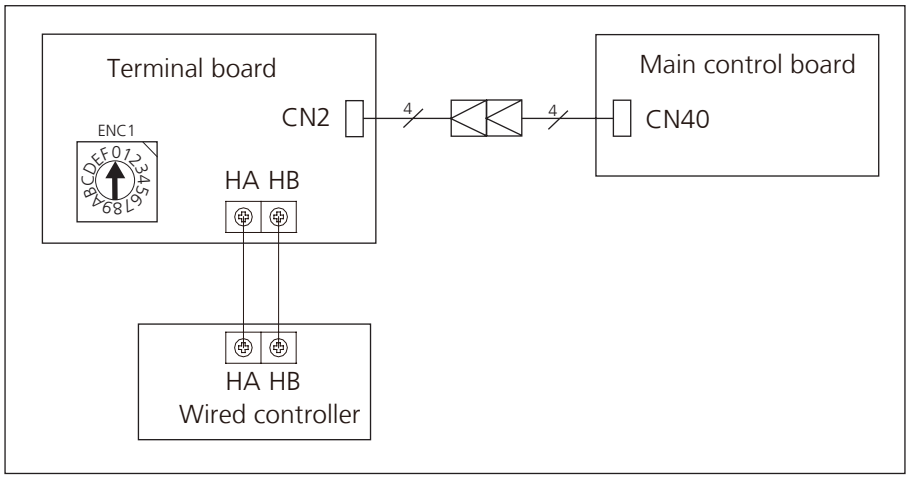


- 1: Indoor Unit.
- 2: Notch the part for the wiring to pass through with a nipper tool.
- Connect the terminals on the remote controller (HA ,HB), and the terminals of the indoor unit. (HA ,HB). (HA and HB do not have polarity.)

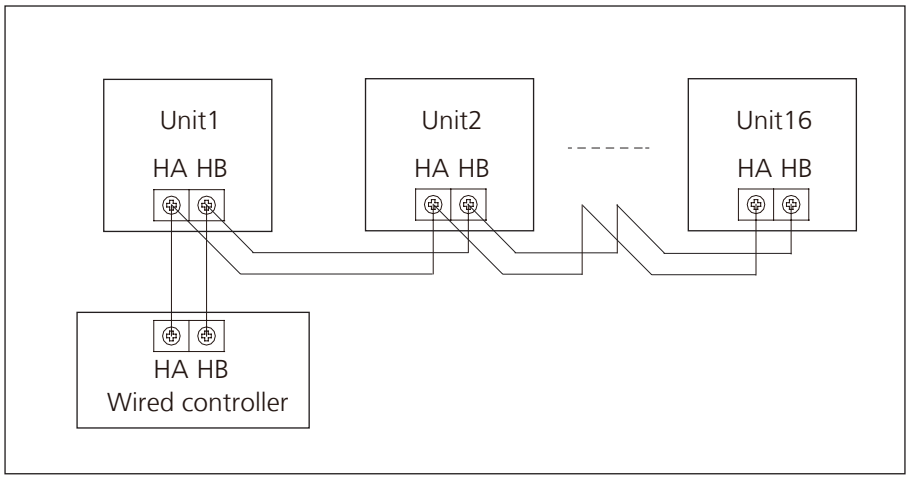
For some models: The wired controller connects to main control board directly.



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



6) Address setting

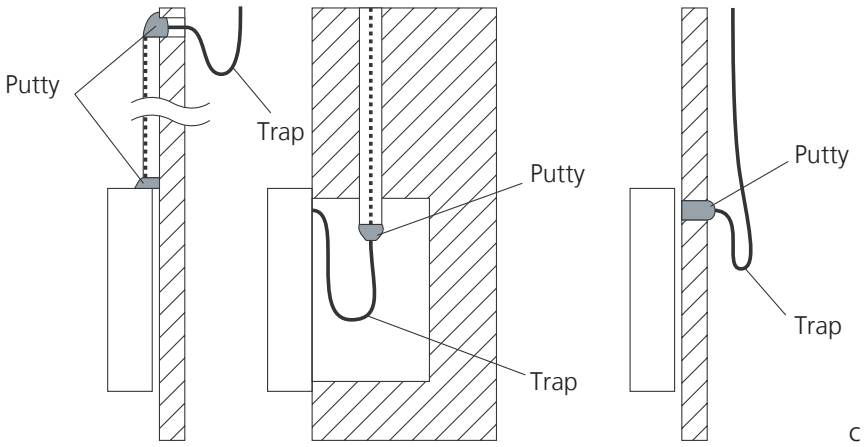


a. One non-polarity controller can control up to 16 indoor units.

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.



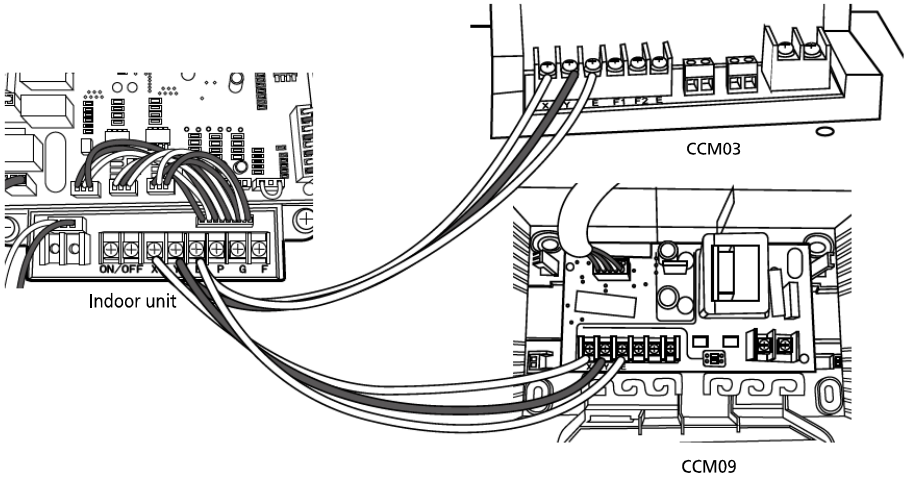
c

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

2.2 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…)

2.3 Using the wired controller to set static pressure airflow

When using the 120L wired controller

The factory default setting is SP1, The external static pressure can be manually changed to the fan curves 1,2,3,4,5(9k~12k)/1,2,3,4,5,6,7,8(18k~55k).

a. Press and hold ON/OFF and FAN for approximately 7 seconds.

b. Press "∧" or "∨" to scroll through the menu and select "8".

c. Press and hold ON/OFF for approximately 2 seconds , Press "∧" or "∨" to scroll through and select "1~5"(9k~12k)/"1-8"(18k~55k).

d. Press " " or "OK" and the display board displays "CS".

e. Press and hold ON/OFF and FAN for approximately 2 seconds, Then exit engineer mode.

When using the 120N wired controller

The factory default setting is SP1, The external static pressure can be manually changed to the fan curves 1,2,3,4,5(9k~12k)/1,2,3,4,5,6,7,8(18k~55k).

a. Press and hold Copy for approximately 3 seconds, The lower right corner shows P:00, Press "OK".

b. Press "∧" to scroll through the menu , The lower right corner shows SP, Press "OK".

c. Press "∧" or "∨" to scroll through the menu and select "1~5"(9k~12k)/"1-8"(18k~55k), Press "OK".

d. Press "Back" to exit engineer mode.

2.4 Using the wired controller to set real-tim airflow

When using the 120L wired controller

Use the Automatic Airflow "AF" Adjustment function to realize Real-time constant airflows.

a. Press and hold ON/OFF and FAN for approximately 7 seconds.

b. Press "∧" or "∨" to scroll through the menu and select " 8 ".

c. Press and hold ON/OFF for approximately 2 seconds , Press "∧" or "∨" to scroll through and select "AF".

d. Press " " or "OK" and the display board displays " CS ".

e. Press and hold ON/OFF and FAN for approximately 2 seconds, Then exit engineer mode.

When using the 120N wired controller

Use the Automatic Airflow "AF" Adjustment function to realize Real-time constant airflows.

a. Press and hold Copy for approximately 3 seconds , The lower right corner shows P:00, Press "OK".

b. Press "∧" to scroll through the menu , The lower right corner shows AF, Press "OK".

c. Press "Back" to exit engineer mode.

NOTE: T1, T2, T2b, T3, T4 are sub-menus for thermistors. DO NOT select to set the external static pressure.

NOTE : Before commissioning, check the power connection of the machine, turn on the power, and keep the machine not working.

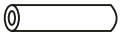
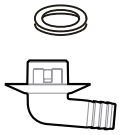
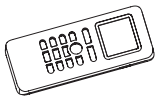
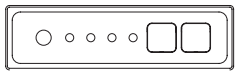
NOTE : If there is no change after airflow adjustment, perform the setting again.

NOTE : Setting Static Pressure or Automatic Airflow need to use the Wired Remote Controller.

Installation

Contents

Accessories

Name	Shape	Quantity
Manual		2-4
Refrigerant in/out pipe protection cover		2
Copper nut		2
Wired remote controller(with packing)		1
Outlet pipe sheath (some models)		1
Outlet pipe clasp (some models)		1-2
Drain joint & Seal ring (some models)		1
Remote controller (some models)		1
Connecting wire for display (2m)	-	1(on some models)
Magnetic ring(Wrap the electric wires S1 & S2 (P & Q & E) around the magnetic ring twice) (some models)	 S1&S2(P&Q&E)	1
Magnetic ring(Hitch on the connective cable between the indoor unit and outdoor unit after installation.)		Varies by model
Cord protection rubber ring(some models)		1
Display panel *Just for testing purposes only		1(on some models-KJR-120G,KJR-120H)

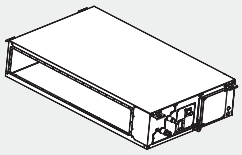
Optional accessories:

- There are two types of remote controls: wired and wireless.
- Select a remote controller based on customer preferences and requirements and install in an appropriate place.
- Refer to catalogues and technical literature for guidance on selecting a suitable remote controller.

1. Installation Overview

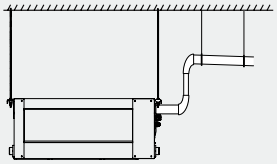
Installation Order

1



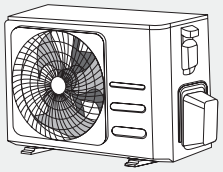
Install the indoor unit

2



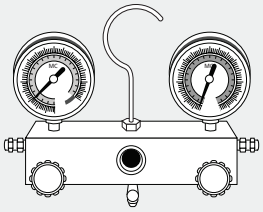
Install the drainpipe

3



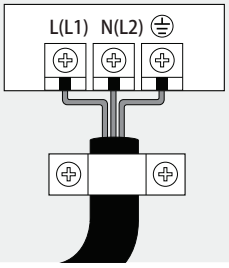
Install the outdoor unit

6



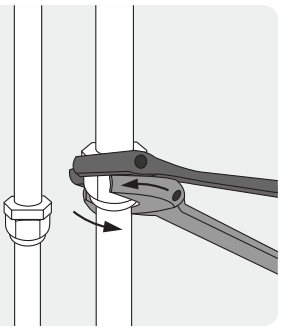
Evacuate the refrigeration system

5



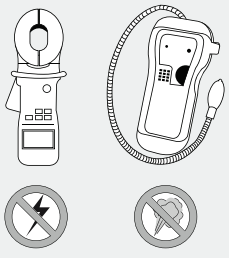
Connect the wires

4



Connect the refrigerant pipes

7



Perform a test run

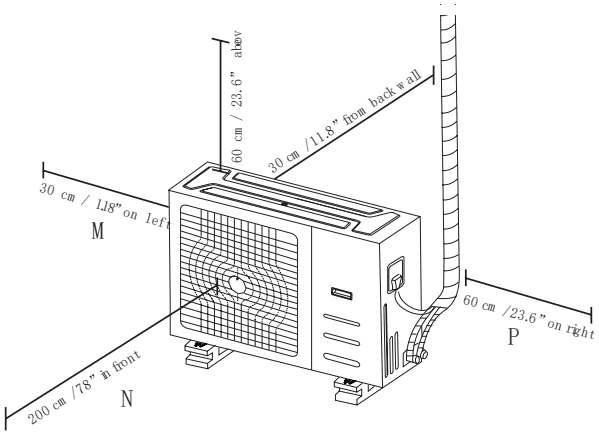
2. Location selection

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.

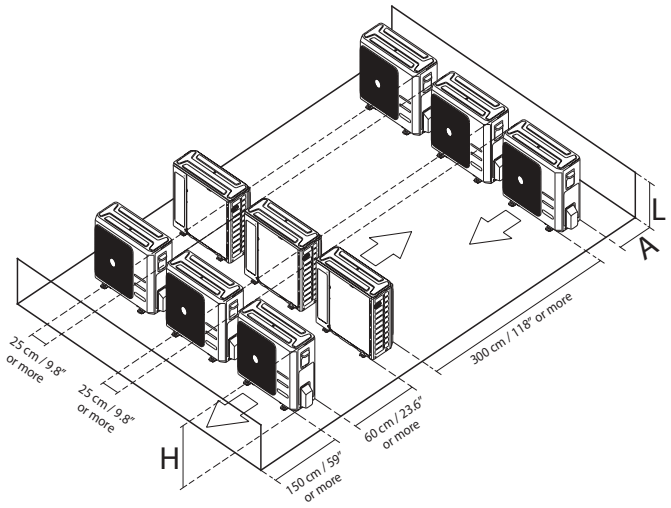
2.3 The minimum distance between the outdoor unit and walls described in the installation guide does not apply to airtight rooms. Be sure to keep the unit unobstructed in at least two of the three directions (M, N, P)



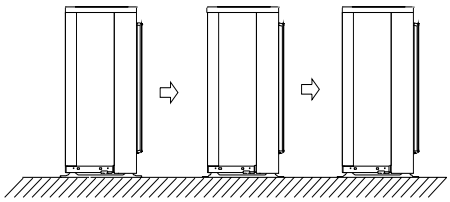
2.4 Rows of series installation

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

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

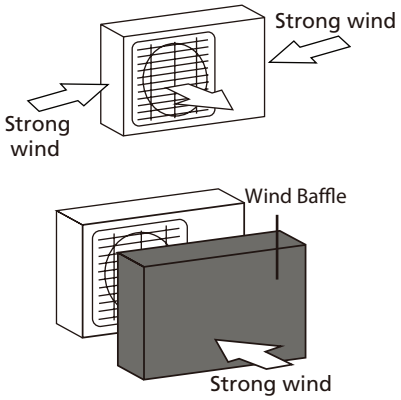


DO NOT install the rows of series like following figure.



2.5 If the unit is exposed to heavy wind:

- Install unit so that air outlet fan is at a 90° angle to the direction of the wind. If needed, build a barrier in front of the unit to protect it from extremely heavy winds.



2.6 If the unit is frequently exposed to heavy rain or snow:

Build a shelter above the unit to protect it from the rain or snow. Be careful not to obstruct air flow around the unit.

2.7 If the unit is frequently exposed to salty air (seaside):

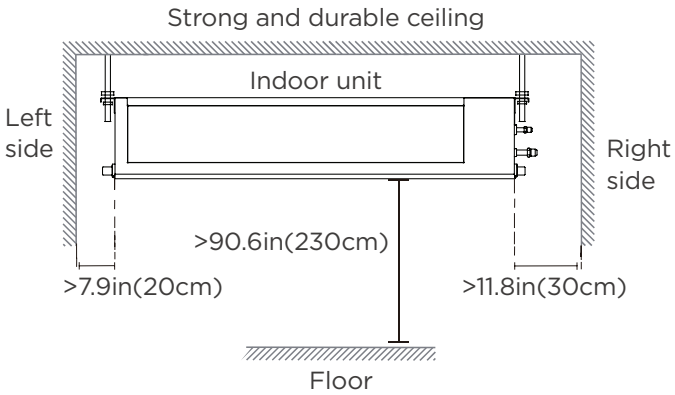
Use outdoor unit that is specially designed to resist corrosion.

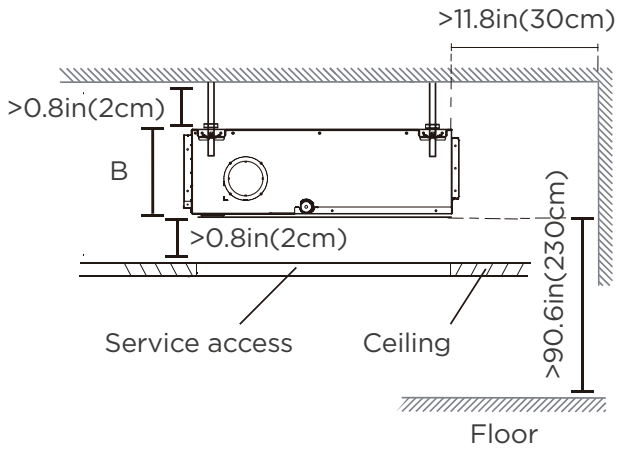
3. Indoor Unit Installation

Installation place

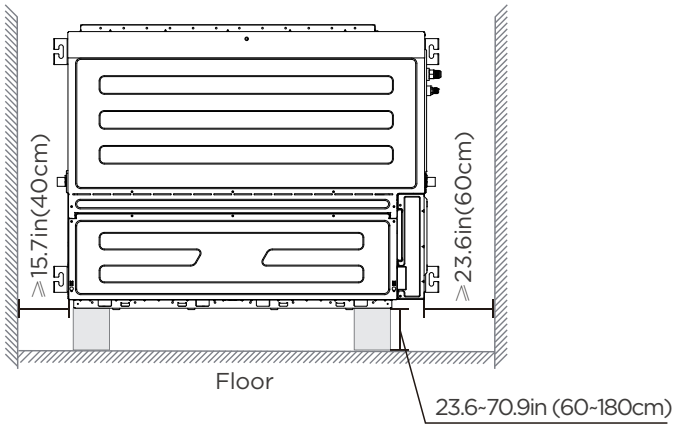
The distance between the mounted indoor unit should meet the specifications illlustrated in the following diagram.

1) Ceiling-mounted

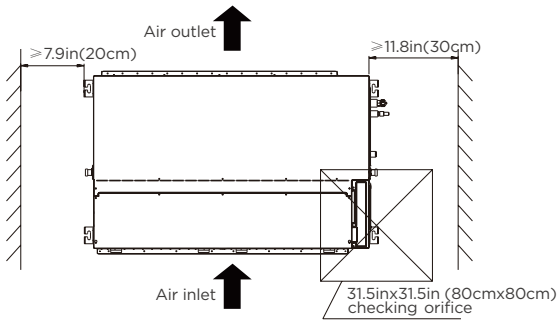




2) Wall-mounted(Standard for 18k~55k, optional for 9k&12k)

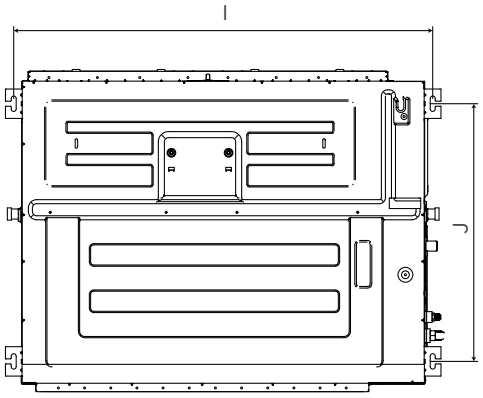


3.2 Service space for indoor unit



3.3 Hang Indoor Unit

1. Please refer to the following diagrams to locate the four positioning screw bolt holes on the ceiling. Be sure to mark the paces where you will drill ceiling hook holes.



Capacity(KBtu/h)	Size of mounted lug((mm/inch))	
	I	J
9/12	741/29.2	360/14.2
18	740/29.1	640/25.2
24/30	1040/40.9	640/25.2
36/42/48	1240/48.8	640/25.2
55	1240/48.8	640/25.2

2. Install and fit pipes and wires after you have finished installing the main body. When choosing where to start, determine the direction of the pipes to be drawn out.

Especially in cases where there is a ceiling involved, align the refrigerant pipes, drain pipes, and indoor and outdoor lines with their connection points before mounting the unit..

3. Install hanging screw bolts.

1) Cut off the roof beam.

2) Strengthen the point at which the cut was made. Consolidate the roof beam..

4. After you select an installation location,align the

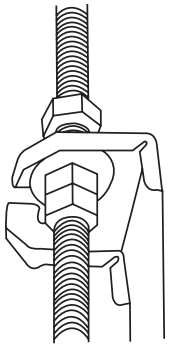
refrigerant pipes, drain pipes, as well as indoor and outdoor wires with their connection points before mounting the unit..

5. Drill 4 holes 10cm (4") deep at the ceiling hook positions in the internal ceiling. Be sure to hold the drill at a 90° angle to the ceiling.

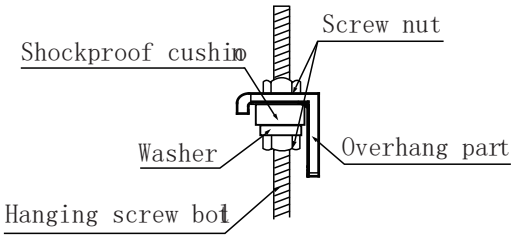
6. Secure the bolt using the included washers and nuts.

7. Install the four suspension bolts.

8. Mount the indoor unit with at least two people to lift and secure it. Insert suspension bolts into the unit's hanging holes. Fasten them using the washers and nuts provided.



9. Mount the indoor unit onto the hanging screw bolts with a block. Position the indoor unit flat using a level indicator to prevent leaks.



Note: Confirm the minimum drain tilt is 1/100 or more.

3.4 Duct installation

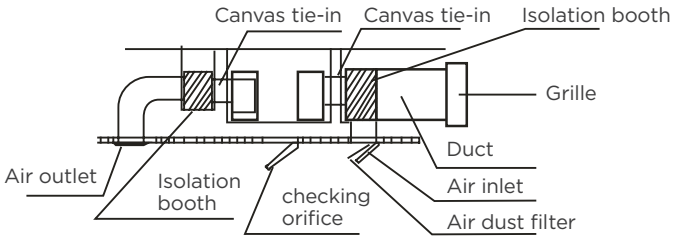
1. Install the filter(optional) according to the size of the air inlet.

2. Install the canvas tie-in between the body and duct.

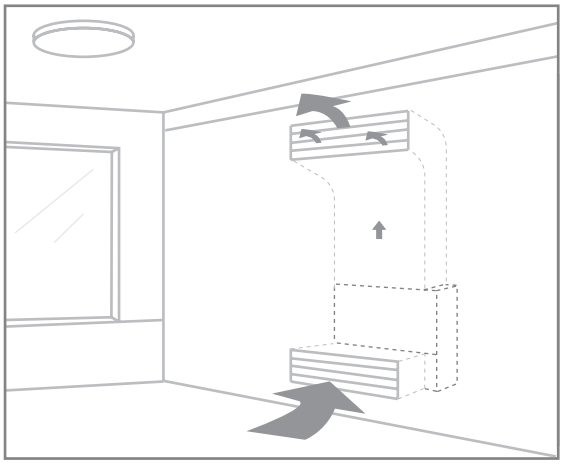
3. The air inlet and air outlet duct should be far enough apart enough to a avoid air passage short-circuit.

4. Connect the duct according to the following diagram.

Ceiling-mounted



Wall-mounted (Standard for 18k~55k, optional for 9k&12k)



NOTE:

1. The min. length of the duct should be more than 1m, and fix on the air inlet by screws (applicable to the unit that the air inlet filter is not fasten by screws).

2. The inlet of the air duct needs to be installed with a grille, which needs to be fixed to the air duct with screws.

3. Do not place the connecting duct weight on the indoor unit.

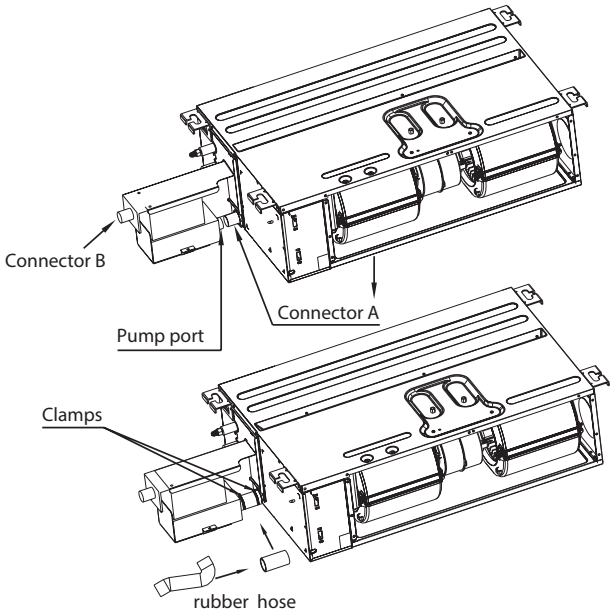
4. When connecting the duct, use an nonflammable canvas tie-in to prevent vibrating.

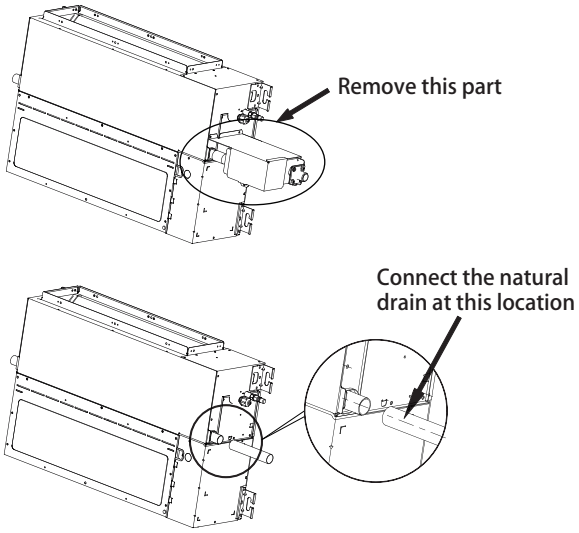
5. Insulation foam must be wrapped outside the duct to avoid condensate. An internal duct underlayer can be added to reduce noise, if the end-user requires.

6. When the machine is wall-mounted, the machine should be concealed mounting, and the air inlet and outlet should be grille, and the grille should be fixed firmly with screws.

3.5 Ceiling-mounted Installation(With external pump)(only for 9k&12k)

Cut both ends of the rubber hose into a straight one, use it to connect the drain Connector A and the external pump and safety it with clamps on both ends. Then connect the drainpipe to the Connector B.





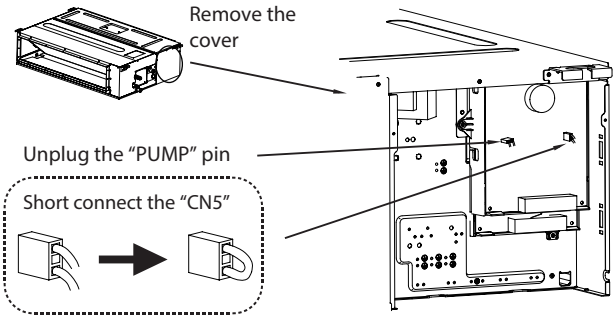
3.6 Wall mounted installation (Standard for 18k~55k, optional for 9k&12k)

For 9k&12k

3.6.1 No need pump (Disable pump)

The pump must be disabled while the unit is installed vertically or the pump assembly is removed from its original position.

Open the cover of E-Parts Box assembly, unplug the "PUMP" pin to disable the pump function, and short connect "CN5" plug to disable the water level sensor.



3.6.2 Drain pipe connecting

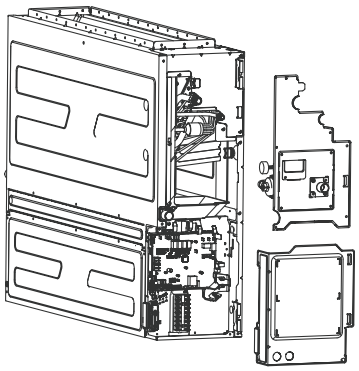
When installed vertically (up flow), the pump must be disabled firstly. Follow the 3.9.1 steps to disable the pump. For the unit with external pump (9k&12k models), the whole pump assembly can be removed. Then take the cap on drain connector off and connect the drainpipe to drain connector.

For 18k~55k

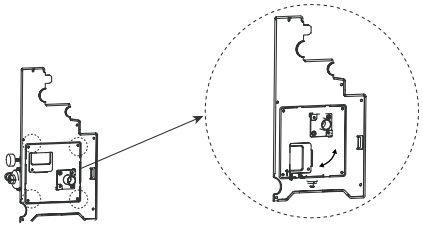
The unit supports wall mounted, if the unit is purchased with a pump and requires vertical mounting, please follow the steps below:

1. Remove the electrical control box cover, unplug the pump and water level switch terminals from the main control board.

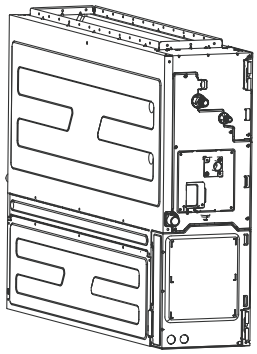
2. Disassemble the pump components.



3. Remove the 4 screws, rotate the water pump components by 90° and fix them to the water pump mounting plate again.



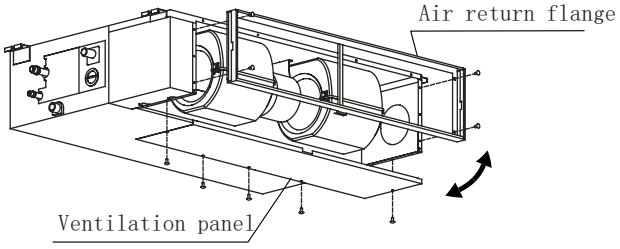
4. Install the pump parts to the machine and connect the wiring set.



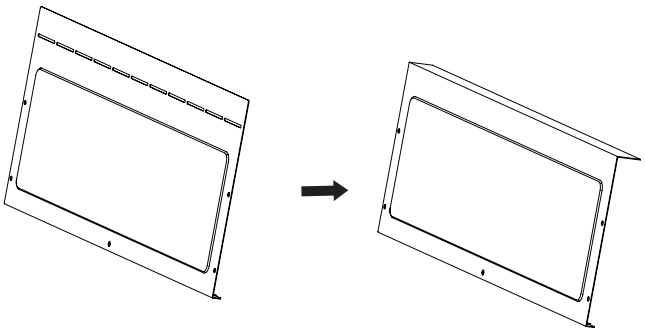
3.7 Filter installation

1. Take off ventilation panel and flange.

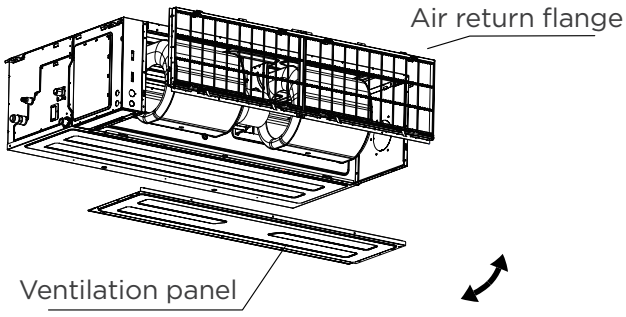
For 9k&12k



Bend the rear ventilation panel 90 degrees along the dotted line into a descending ventilation panel.(some models)



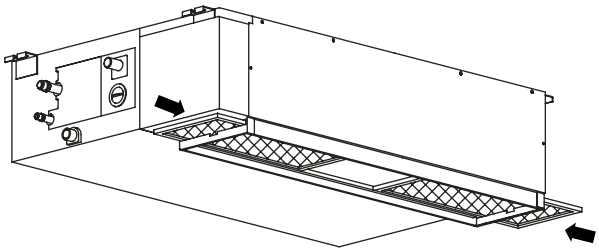
For 18k~55k



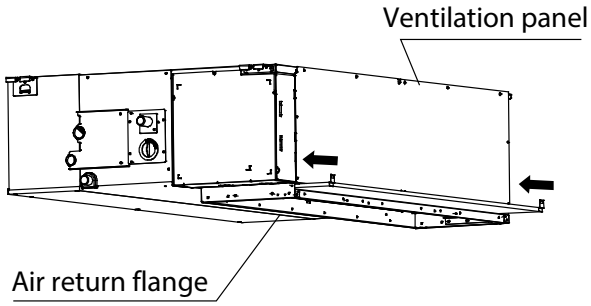
2. Change the mounting positions of the ventilation panel and air return flange.

3. When installing the filter mesh, fit it into the flange as illustrated in the following figure.

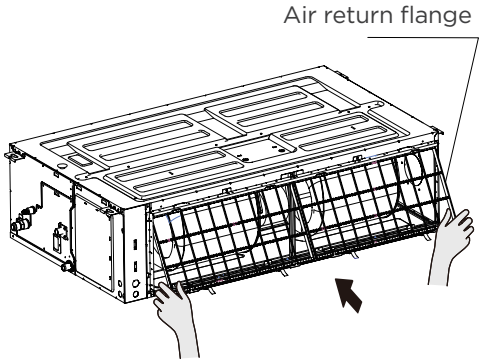
For 9k&12k

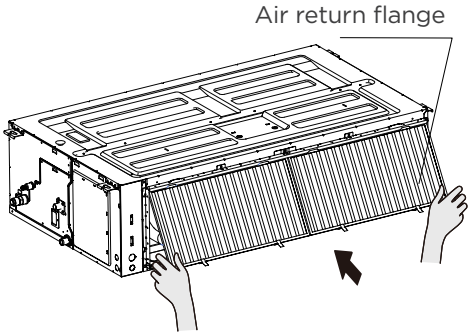


or

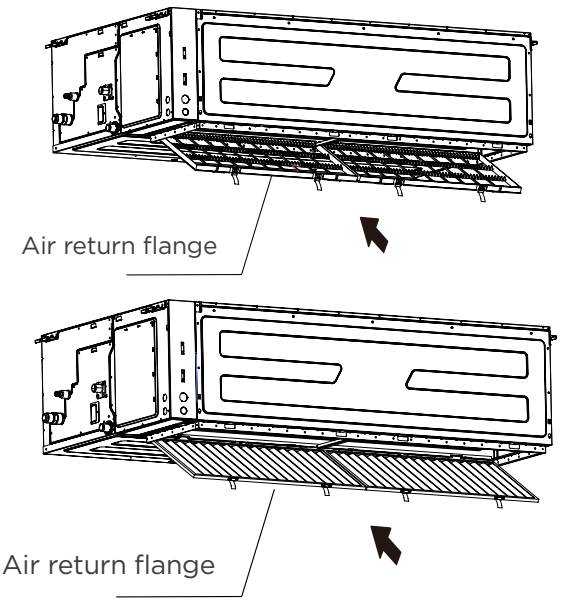


For 18k~55k



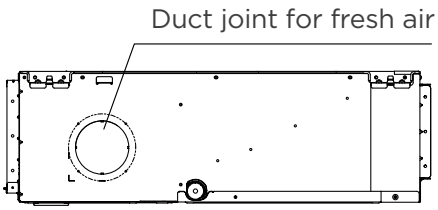


or

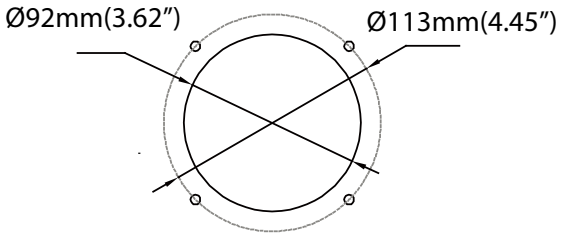


3.8 Fresh air duct installation

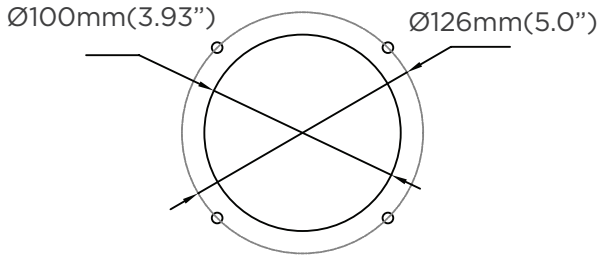
Dimension :



9k&12k:



18k~55k:



4. Connect drain hose

The drainpipe is used to drain water away from the unit. Improper installation may cause unit and property damage.

⚠CAUTION

- Insulate all piping to prevent condensation, which could lead to water damage.
- If the drainpipe is bent or installed incorrectly, water may leak and cause a water-level switch malfunction.
- In HEAT mode, the outdoor unit will discharge water. Ensure that the drain hose is placed in an appropriate area to avoid water damage and slippage.
- DO NOT pull the drainpipe forcefully. This could disconnect it.

NOTE ON PURCHASING PIPES

- Installation requires a polyethylene tube (exterior diameter = 3.7-3.9cm, interior diameter = 3.2cm), which can be obtained at your local hardware store or dealer.

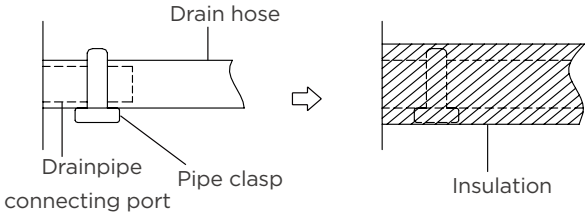
Indoor Drainpipe Installation

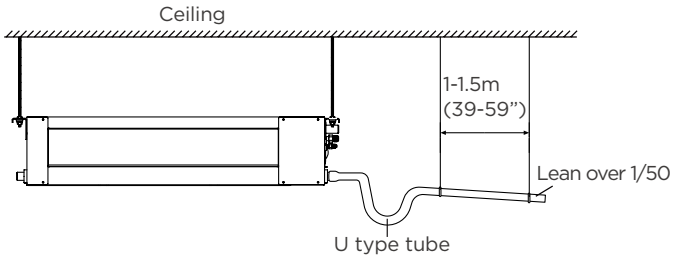
Install the drainpipe as illustrated in the following Figure.

1. Cover the drainpipe with heat insulation to prevent condensation and leakage.

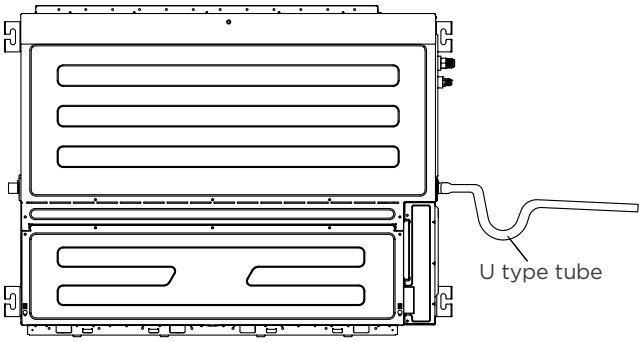
2. Attach the mouth of the drain hose to the unit's outlet pipe. Sheath the mouth of the hose and clip it firmly with a pipe clasp.

3. These units operate with a negative pressure at the drain connections and a drain trap is required. The trap needs to be installed as close to the unit as possible. Make sure the top of the trap is below the connection to the drain pan to allow complete drainage of the pan.

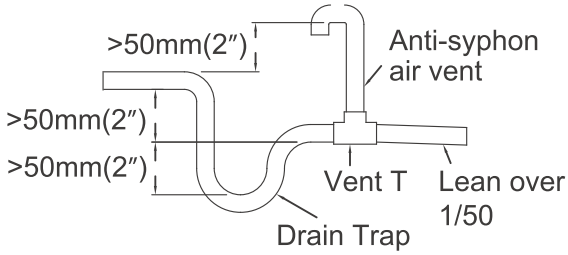




(Ceiling-mounted)



(Wall mounted)



NOTE ON DRAINPIPE INSTALLATION

• When using an extended drainpipe, tighten the indoor connection with an additional protection tube. This prevents it from pulling loose.

• The drainpipe should slope downward at a gradient of at least 1/100 to prevent water from flowing back into the air conditioner.

• To prevent the pipe from sagging, space hanging wires every 1-1.5m(39-59″).

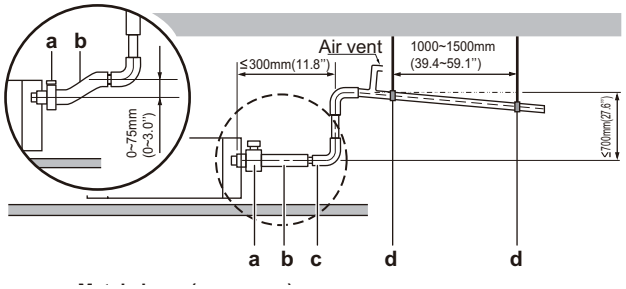
• If the outlet of the drainpipe is higher than the body's pump joint, use a lift pipe for the indoor unit's exhaust outlet. The lift pipe must be installed no higher than 55cm (21.7″) from the ceiling board. The distance between the unit and the lift pipe must be less than 20cm (7.9″).

Incorrect installation could cause water to flow back into the unit and flood.

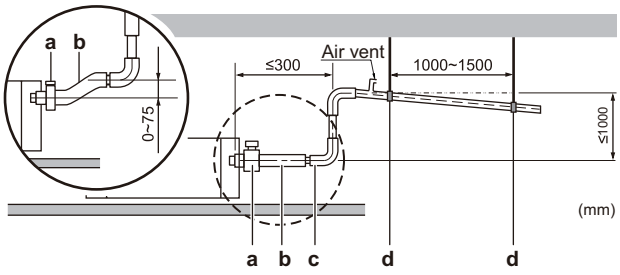
• To prevent air bubbles, keep the drain hose level or slightly tiled up (<75mm / 3″).

Drainpipe installation for units with a pump

For 9k&12k



For 18k~55k

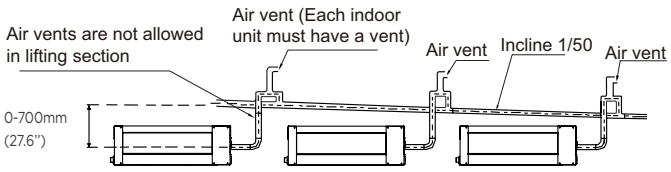


a Metal clamp (accessory)
b Drain hose (accessory)
c Rising drain piping (vinyl pipe of 25 mm nominal diameter and 32 mm outer diameter) (field supply)
d Hanging bars (field supply)

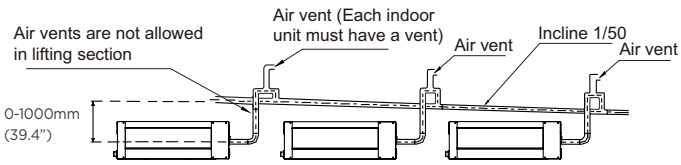
NOTE: When connecting multiple drainpipes, install the pipes as illustrated.

Units with a pump

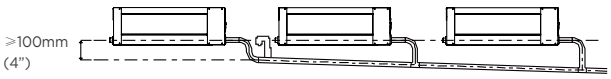
For 9k&12k



For 18k~55k



Units without a pump

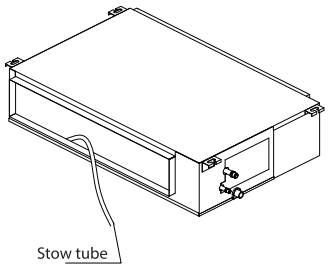


Drainage test(for 9k&12k)

Check whether the drainpipe is unhindered.

This test should be performed on newly built houses before the ceiling is paved.

Units without a pump.



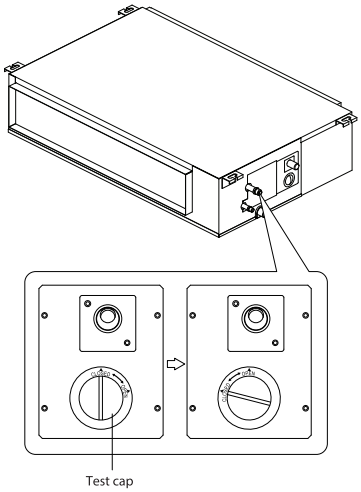
Fill the water pan with 2 liters of water.

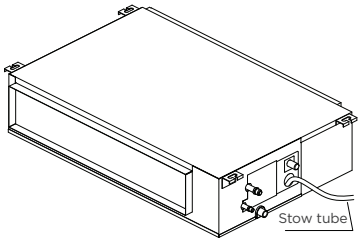
Check that the drainpipe is unhindered.

Units with a pump.

1. Remove the test cover.

Fill the water pan with 2 liters of water.





2. Turn on the unit in COOLING mode. You will hear the drain pump. Check whether the water is discharged properly (a 1-minute lag is possible, depending on the length of the drain pipe), Check whether water leaks from the joints.

3. Turn off the air conditioner and put the cap back on.

To check for water leaks(for 18k~55k)

The procedure differs depending on whether electrical wiring is already finished. When the electrical wiring is not finished yet, you need to temporarily connect the user interface and power supply to the unit.

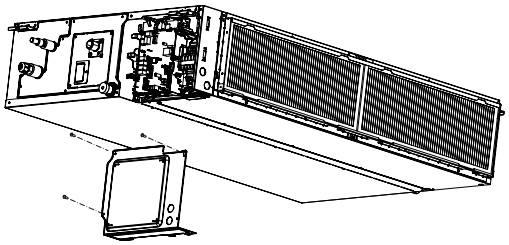
When electrical wiring is not finished yet

1. Temporarily connect electrical wiring.

2. Remove the switch box cover (a).

3. Connect the single-phase power supply (50 Hz, 230 V) to connections No. 1 and No. 2 on the terminal block for power supply and earth.

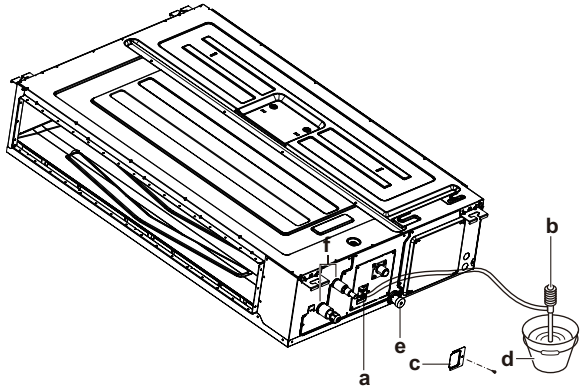
4. Reattach the switch box cover (a).



5.Turn ON the power.

6. Start cooling operation (see "11. Test Operation").

7. Gradually pour approximately 1 l of water through the air discharge outlet, and check for leaks.



a Water inlet

b Portable pump

c Water inlet cover

d Bucket (adding water through water inlet)

e Drain outlet for maintenance

f Refrigerant pipes

8. Turn OFF the power.

9. Disconnect the electrical wiring.

10. Remove the control box cover.

11. Disconnect the power supply and earth.

12. Reattach the control box cover.

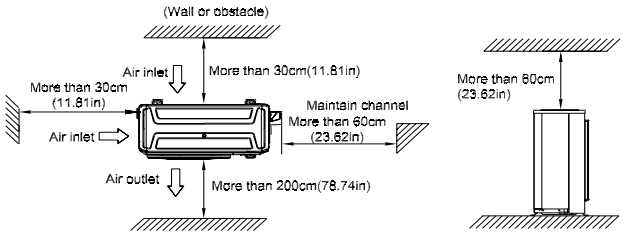
When electrical wiring is finished already

1. Start cooling operation (see "11. Test Operation").

2. Gradually pour approximately 1 l of water through the air discharge outlet, and check for leaks.

4. Outdoor unit installation(Side Discharge Unit)

4.1 Service space for outdoor unit



4.2 Install drain joint

Before bolting the outdoor unit in place, you must install the drain joint at the bottom of the unit.

Note that there are two different types of drain joints depending on the type of outdoor unit.

If the drain joint comes with a rubber seal(see Fig. A), do the following:

1. Fit the rubber seal on the end of the drain joint that will connect to the outdoor unit.

2. Insert the drain joint into the hole in the base pan of the unit.

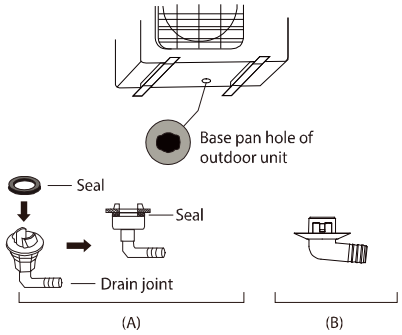
3. Rotate the drain joint 90° until it clicks in place facing the front of the unit. **For some panel plates, you need to use tool.**

4. Connect a drain hose extension (not included) to the drain joint to redirect water from the unit during heating mode.

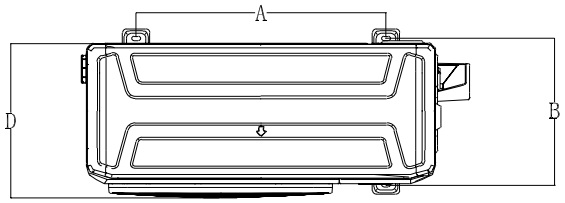
If the drain joint doesn't come with a rubber seal (see Fig. B), do the following:

1. Insert the drain joint into the hole in the base pan of the unit. The drain joint will click in place.

2. Connect a drain hose extension (not included) to the drain joint to redirect water from the unit during heating mode.



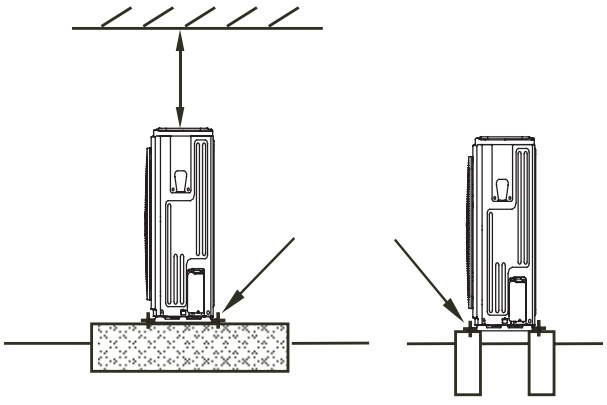
4.3 Bolt pitch



Capacity(kBtu/h)	A(mm)	B(mm)	D(mm)
9/12	452	286	303
18	511	317	330
24	663	354	342
30~42	673	403	410
48~55	616	397	375

4.4 Install Outdoor Unit

Fix the outdoor unit with anchor bolts(M10)



Cation

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 the fan with hands or other objects.

Do not lean it more than 45, and do not lay it sidelong.

Make concrete foundation according to the specifications of the outdoor units.

Fasten the feet of this unit with bolts firmly to prevent it from collapsing in case of earthquake or strong wind.

5. Refrigerant Pipe Installation

5.1 Maximum length and drop height

Ensure that the length of the refrigerant pipe, the number of bends, and the drop height between the indoor and outdoor units meets the requirements shown in the following table.

Capacity(kBtu/h)	Max. Length (m/ft)	Max. Elevation (m/ft)
9/12	25/82	10/32.8
18	30/98.4	20/65.6
24~30	50/164	25/82
36~55	75/246.1	30/98.4

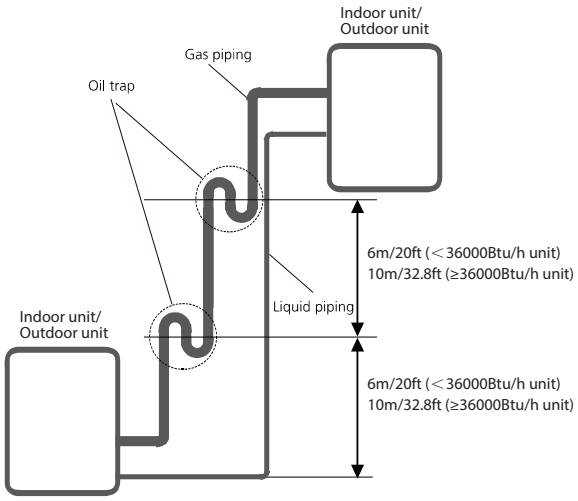
caution:

- The capacity test is based on the standard length and the maximum permissive length is based on the system reliability.
- Oil traps

-If oil flows back into the outdoor unit's compressor, this might cause liquid compression or deterioration of oil return. Oil traps in the rising gas piping can prevent this.

-An oil trap should be installed every 6m(20ft) of vertical suction line riser (<36000Btu/h unit).

-An oil trap should be installed every 10m(32.8ft) of vertical suction line riser (≥36000Btu/h unit).



6.2 The procedure of connecting pipes

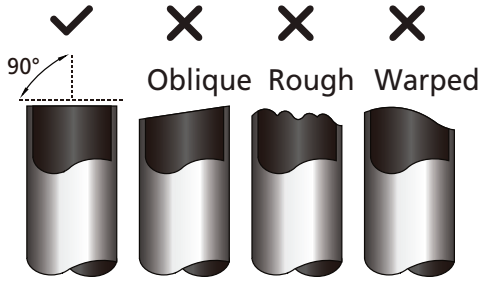
1.Choose the pipe size according to the specification table.

2.Confirm the cross way of the pipes.

3.Measure the necessary pipe length.

4.Cut the selected pipe with pipe cutter

- Make the section flat and smooth.

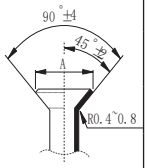


5. Insulate the copper pipe

- Before test operation, the joint parts should not be heat insulated.

6. Flare the pipe

- Insert a flare nut into the pipe before flaring the pipe
- According to the following table to flare the pipe.

Pipe diameter (inch(mm))	Flare dimension A (mm/inch)		Flare shape
	Min	Max	
1/4" (6.35)	8.4/0.33	8.7/0.34	
3/8" (9.52)	13.2/0.52	13.5/0.53	
1/2" (12.7)	16.2/0.64	16.5/0.65	
5/8" (15.9)	19.2/0.76	19.7/0.78	
3/4" (19)	23.2/0.91	23.7/0.93	
7/8" (22)	26.4/1.04	26.9/1.06	

- After flared the pipe, the opening part must be seal by end cover or adhesive tape to avoid duct or exogenous impurity come into the pipe.

7. Drill holes if the pipes need to pass the wall.

8. According to the field condition to bend the pipes so that it can pass the wall smoothly.

9. Bind and wrap the wire together with the insulated pipe if necessary.

10. Set the wall conduit

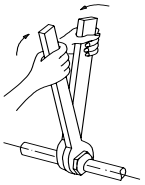
11. Set the supporter for the pipe.

12. Locate the pipe and fix it by supporter

- For horizontal refrigerant pipe, the distance between supporters should not be exceed 1m.
- For vertical refrigerant pipe, the distance between supporters should not be exceed 1.5m.

13. Connect the pipe to indoor unit and outdoor unit by using two spanners.

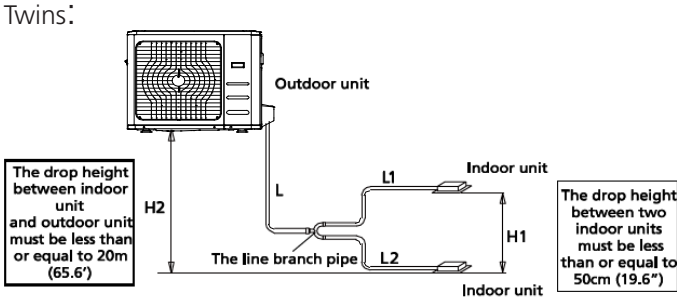
- Be sure to use two spanners and proper torque to fasten the nut, too large torque will damage the bellmouthing, and too small torque may cause leakage. Refer the following table for different pipe connection.

Pipe Diameter	Torque N.m(lb.ft)	Sketch map
1/4" (6.35)	18~20 (13.3~14.8)	
3/8" (9.52)	32~39 (23.6~28.8)	
1/2" (12.7)	49~59 (36.1~43.5)	
5/8" (15.9)	57~71 (42~52.4)	
3/4" (19)	67~101 (49.4~74.5)	
7/8" (22)	85-110 (62.7-81.1)	

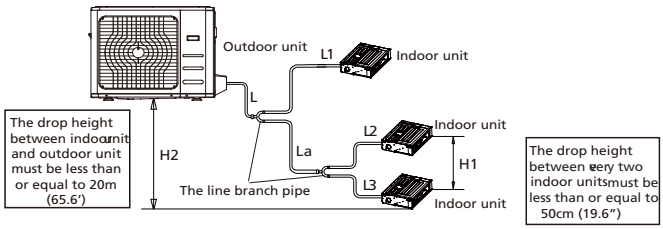
6.3 Refrigerant Piping with Twins/Triple/ Double Twins Indoor Units

When installing multiple indoor units with a single outdoor unit, ensure that the length of the refrigerant pipe and the drop height between the indoor and outdoor units meet the requirements illustrated in the following diagram:

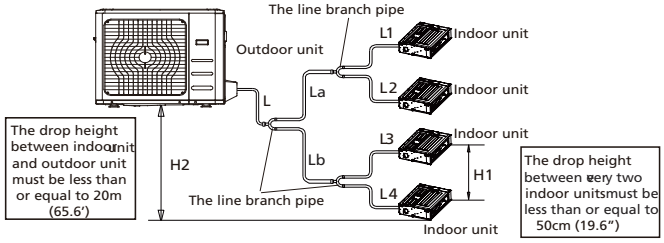
Twins:



Triple:



Double-Twins:



Permitted length(Unit:m)					
Piping length	Twins	Total piping length	9k+9k	50	L+L1+ L2
			12k+12k	50	
			18k+18k	75	
			24k+24k		
			30k+30k		
		Farthest distance from line pipe branch	15		L1, L2
		farthest distance from the line pipe branch	10		L1-L2
	Triple	Total piping length	9k+9k+9k	75	L+L1+L2+ L3+La
			12k+12k+12k		
			18k+18k+18k		
		Farthest distance from line pipe branch	15		L1, L2+La, L3+La
		farthest distance from the line pipe branch	10		L1-(L2+La) , L1-(L3+La), L2-L3
	Double Twins	Total piping length	9k+9k+9k+9k	75	L+L1+ L2+L3+ L4+ La+Lb
			12k+12k+ 12k+12k		
		Farthest distance from line pipe branch	15		L1, L2, L3, L4
		farthest distance from the line pipe branch	10		L1-L2,L1-L3,L1-L4,L2-L3,L2-L4,L3-L4
Drop height	Drop height between indoor and outdoor unit		20		H2
	Drop height between two indoor units		0.5		H1

- branching pipe

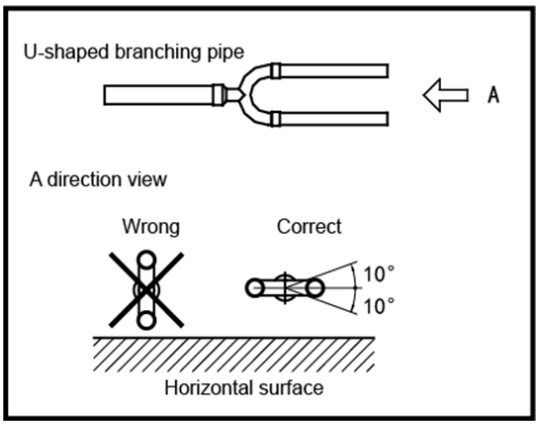
	IDU	IDU Pipe Diameter (liquid&gas)	ODU	ODU Pipe Diameter (liquid&gas)
Twins	9k+ 9k	6.35&9.52	24k	9.52&15.9
	12k+12k	6.35&9.52	24k	9.52&15.9
	18k+18k	6.35&12.7	36k	9.52&15.9
	24k+24k	9.52&15.9	48k	9.52&15.9
	30k+30k	9.52&15.9	55k	9.52&15.9
Triple	9k+9k+9k	6.35&9.52	36k	9.52&15.9
	12k+12k+12k	6.35&9.52	36k	9.52&15.9
	18k+18k+18k	6.35&12.7	55k	9.52&15.9
Double Twins	9k+9k+9k+9k	6.35&9.52	48k	9.52&15.9
	12k+12k+12k+12k	6.35&9.52	48k	9.52&15.9

Caution:

- The branching pipe must be installed horizontally. An angle of more than 10° may cause malfunction.
- DO NOT install the connecting pipe until both indoor

and outdoor units have been installed.

- Insulate both the gas and liquid piping to prevent water leakage.



6. Vacuum Drying and Leakage Checking

6.1 Purpose of vacuum drying

- Eliminating moisture in system to prevent the phenomena of ice-blockage and copper oxidation.

  Ice-blockage shall cause abnormal operation of system, while copper oxide shall damage compressor.
- Eliminating the non-condensable gas (air) in system to prevent the components oxidizing, pressure fluctuation and bad heat exchange during the operation of system.

6.2 Selection of vacuum pump

- The ultimate vacuum degree of vacuum pump shall be -756mmHg or above.
- Precision of vacuum pump shall reach 0.02mmHg or above.

6.3 Operation procedure for vacuum drying

Due to different construction environment, two kinds of vacuum drying ways could be chosen, namely ordinary vacuum drying and special vacuum drying.

6.3.1 Ordinary vacuum drying

1. When conduct first vacuum drying, connect pressure gauge to the infusing mouth of gas pipe and liquid pipe, and keep vacuum pump running for 1hour (vacuum degree of vacuum pump shall be reached -755mmHg).

2. If the vacuum degree of vacuum pump could not reach -755mmHg after 1 hour of drying, it indicates that there is moisture or leakage in pipeline system and need to go on with drying for half an hour.

3. If the vacuum degree of vacuum pump still could not reach -755mmHg after 1.5 hours of drying, check whether there is leakage source.

4 . Leakage test: After the vacuum degree reaches -755mmHg, stop vacuum drying and keep the pressure for 1 hour. If the indicator of vacuum gauge does not go up, it is qualified. If going up, it indicates that there is moisture or leak source.

6.3.2 Special vacuum drying

The special vacuum drying method shall be adopted when:

1. Finding moisture during flushing refrigerant pipe.

2. Conducting construction on rainy day, because rain water might penetrated into pipeline.

3. Construction period is long, and rain water might penetrated into pipeline.

4. Rain water might penetrate into pipeline during construction.

Procedures of special vacuum drying are as follows:

1. Vacuum drying for 1 hour.

2. Vacuum damage, filling nitrogen to reach 0.5Kgf/cm2 .

Because nitrogen is dry gas, vacuum damage could achieve the effect of vacuum drying, but this method could not achieve drying thoroughly when there is too much moisture. Therefore, special attention shall be drawn to prevent the entering of water and the formation of condensate water.

3. Vacuum drying again for half an hour.

If the pressure reached -755mmHg, start to pressure leakage test. If it cannot reached the value, repeat vacuum damage and vacuum drying again for 1 hour.

4. Leakage test: After the vacuum degree reaches -755mmHg, stop vacuum drying and keep the pressure for 1 hour. If the indicator of vacuum gauge does not go up, it is qualified. If going up, it indicates that there is moisture or leak source.

7. Additional Refrigerant Charge

- After the vacuum drying process is carried out, the additional refrigerant charge process need to be performed.
- The outdoor unit is factory charged with refrigerant.

The additional refrigerant charge volume is decided by the diameter and length of the liquid pipe between indoor and outdoor unit. Refer the following formula to calculate the charge volume.

Diameter of liquid pipe (mm)	Formula
6.35	V=12g/m×(L-5)
9.52	V=24g/m×(L-5)

V: Additional refrigerant charge volume (g).

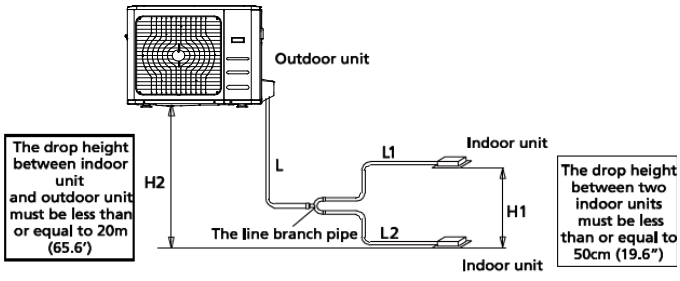
L : The length of the liquid pipe (m).

Note:

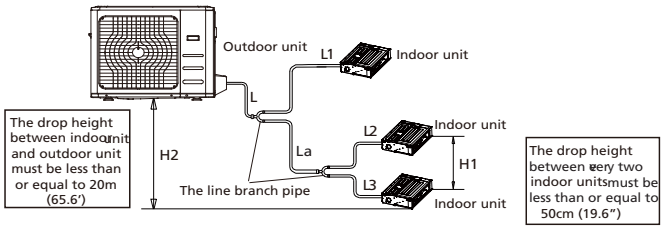
- Refrigerant may only be charged after performed the vacuum drying process.
- Always use gloves and glasses to protect your hands and eyes during the charge work.
- Use electronic scale or fluid infusion apparatus to weight refrigerant to be recharged. Be sure to avoid extra refrigerant charged, it may cause liquid hammer of the compressor or protections.
- Use supplementing flexible pipe to connect refrigerant cylinder, pressure gauge and outdoor unit. And The refrigerant should be charged in liquid state. Before recharging, The air in the flexible pipe and manifold gauge should be exhausted.
- After finished refrigerant recharge process, check whether there is refrigerant leakage at the connection joint part.(Using gas leakage detector or soap water to detect).

Additional Refrigerant Charge for Twins/ Triple/Double Twins System

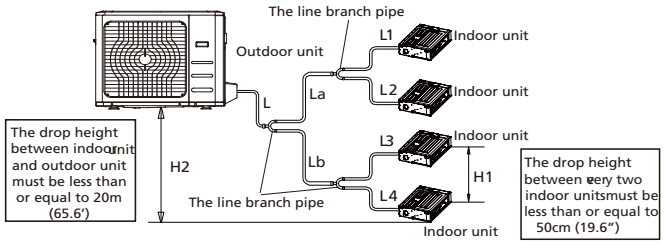
Twins:



Triple:



Double-Twins:



ODU	IDU	Formula
Twins		
24k	A7 Duct-9k/12k	(L1+L2)*12+(L-5)*24-120
36k	A7 Duct-18k	(L1+L2)*12+(L-5)*24-240
48K	A7 DUCT-24k	(L1+L2+L-5)*24-240
60K	A7 DUCT-30k	(L1+L2+L-5)*24-240
Triple		
36k	A7 Duct-9k/12k	(L1+L2+L3)*12+(L+La-5)*24-180
60k	A7 Duct-18k	(L1+L2+L3)*12+(L+La-5)*24-180
Double Twins		
48k	A7 Duct-9k/12k	(L1+L2+L3+L4)*12+(L+La+ Lb-5)*24-240

8. Engineering of Insulation

8.1 Insulation of refrigerant pipe

1. Operational procedure of refrigerant pipe insulation

Cut the suitable pipe → insulation (except joint section) → flare the pipe → piping layout and connection→ vacuum drying → insulate the joint parts

2. Purpose of refrigerant pipe insulation

- During operation, temperature of gas pipe and liquid pipe shall be over-heating or over-cooling extremely. Therefore, it is necessary to carry out insulation; otherwise it shall debase the performance of unit and burn compressor.
- Gas pipe temperature is very low during cooling. If insulation is not enough, it shall form dew and cause leakage.
- Temperature of gas pipe is very high (generally 50-100℃) during heating. Insulation work must be carried out to prevent hurt by carelessness touching.

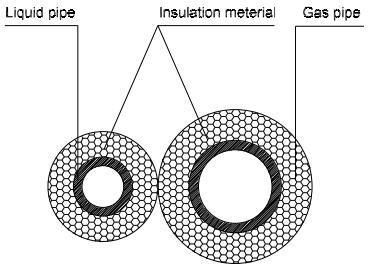
3. Insulation material selection for refrigerant pipe

- The burning performance should over 120℃
- According to the local law to choose insulation materials
- The thickness of insulation layer shall be above 10mm.If in hot or wet environment place, the layer

of insulation should be thicker accordingly.

4. Installation highlights of insulation construction

- Gas pipe and liquid pipe shall be insulated separately, if the gas pipe and liquid pipe were insulated together; it will decrease the performance of air conditioner.



- The insulation material at the joint pipe shall be 5~10cm longer than the gap of the insulation material.
- The insulation material at the joint pipe shall be inserted into the gap of the insulation material.
- The insulation material at the joint pipe shall be banded to the gap pipe and liquid pipe tightly.
- The linking part should be use glue to paste together
- Be sure not bind the insulation material over-tight, it may extrude out the air in the material to cause bad insulation and cause easy aging of the material.

8.2 Insulation of drainage pipe

1. Operational procedure of refrigerant pipe insulation

Select the suitable pipe → insulation (except joint section) → piping layout and connection→ drainage test→ insulate the joint parts

2. Purpose of drainage pipe insulation

The temperature of condensate drainage water is very low. If insulation is not enough, it shall form dew and cause leakage to damage the house decoration.

3. Insulation material selection for drainage pipe

- The insulation material should be flame retardant material, the flame retardancy of the material should be selected according to the local law.
- Thickness of insulation layer is usually above 10mm.
- Use specific glue to paste the seam of insulation material, and then bind with adhesive tape. The width of tape shall not be less than 5cm. Make sure it is firm and avoid dew.

4. Installation and highlights of insulation construction

- The single pipe should be insulated before connecting to another pipe, the joint part should be insulated after the drainage test.
- There should be no insulation gap between the insulation material.

9. Engineering of Electrical Wiring

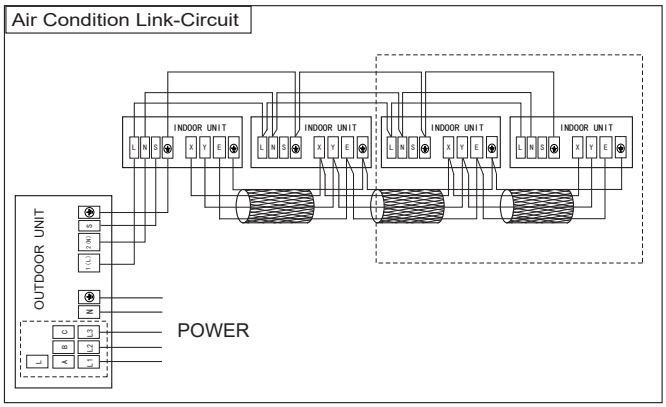
9.1 Highlights of electrical wiring installation

- All field wiring construction should be finished by qualified electrician.
- Air conditioning equipment should be grounded according to the local electrical regulations.
- Current leakage protection switch should be installed.
- Do not connect the power wire to the terminal of signal wire.
- When power wire is parallel with signal wire, put wires to their own wire tube and remain at least 300mm gap.
- According to table in indoor part named "the specification of the power" to choose the wiring, make sure the selected wiring not small than the date showing in the table.
- Select different colors for different wire according to relevant regulations.
- Do not use metal wire tube at the place with acid or alkali corrosion, adopt plastic wire tube to replace it.
- There must be not wire connect joint in the wire tube If joint is a must, set a connection box at the place.
- The wiring with different voltage should not be in one wire tube.
- Ensure that the color of the wires of outdoor and the terminal No. are same as those of indoor unit respectively.
- You must first choose the right cable size before preparing it for connection. Be sure to use H07RN-F cables.

Table: Minimum Cross-Sectional Area able of Power and Signal Cables

Rated Current of Appliance (A)	Nominal Cross-Sectional Area(mm^2)
≤ 6	0.75
6 - 10	1
10 - 16	1.5
16 - 25	2.5
25 - 32	4
32 - 45	6

9.2 Wiring for Twins/Triple/Double Twins System



Note, Twins/Triple/Double Twins and Central controller use same terminal X/Y/E, so these two functions you can just choose one .

10. Test Operation

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

10.2 Please confirm the following points before the test operation.

- The indoor unit and outdoor unit are installed properly.
- Tubing and wiring are correctly completed.
- The refrigerant pipe system is leakage-checked.
- The drainage is unimpeded.
- The ground wiring is connected correctly.
- The length of the tubing and the added stow capacity of the refrigerant have been recorded.
- The power voltage fits the rated voltage of the air conditioner.
- There is no obstacle at the outlet and inlet of the outdoor and indoor units.
- The gas-side and liquid-side stop values are both opened.
- The air conditioner is pre-heated by turning on the power.

10.3 Test operation

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

e. Ensure the remote control and its buttons work properly.

f. Ensure the louvers move properly and can be changed using the remote control.

g. Double check to see if the room temperature is being registered correctly.

h. Ensure the indicators on the remote control and the display panel on the indoor unit work properly.

i. Ensure the manual buttons on the indoor unit works properly.

j. Check to see that the drainage system is unimpeded and draining smoothly.

k. Ensure there is no vibration or abnormal noise during operation.

Outdoor unit

a. Check to see if the refrigeration system is leaking.

b. Make sure there is no vibration or abnormal noise during operation.

c. Ensure the wind, noise, and water generated by the unit do not disturb your neighbors or pose a safety hazard.

Drainage Test

a. Ensure the drainpipe flows 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.

Static Pressure Design

Contents

1. Introduction

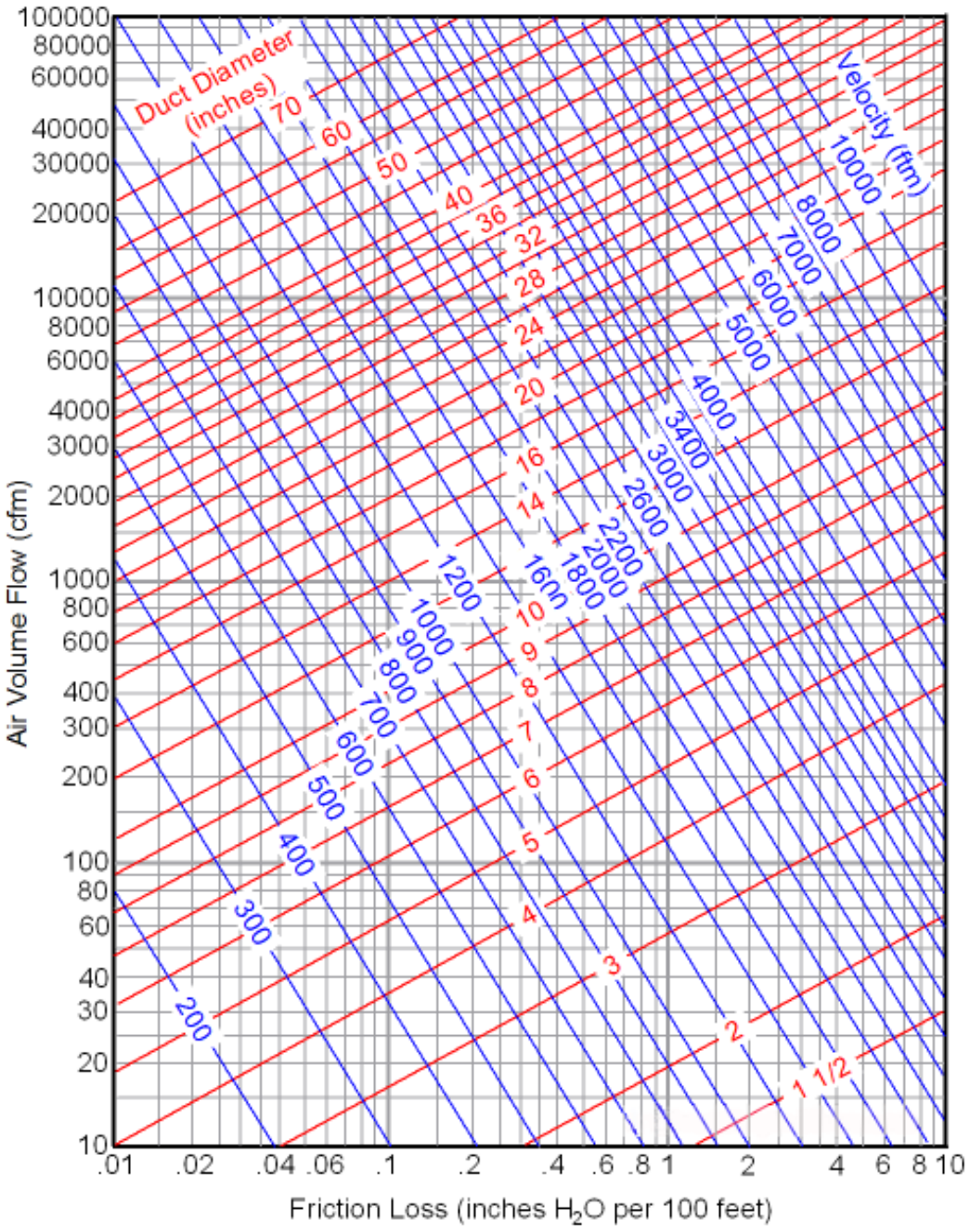
Duct system losses are the irreversible transformation of mechanical energy into heat. The two types of losses are (1) friction losses and (2) dynamic losses.

Friction losses are due to fluid viscosity and result from momentum exchange between molecules (in laminar flow) or between individual particles of adjacent fluid layers moving at different velocities (in turbulent flow). Friction losses occur along the entire duct length.

Dynamic losses result from flow disturbances caused by duct mounted equipment and fittings (e.g., entries, exits, elbows, transitions, and junctions) that change the airflow path's direction or area.

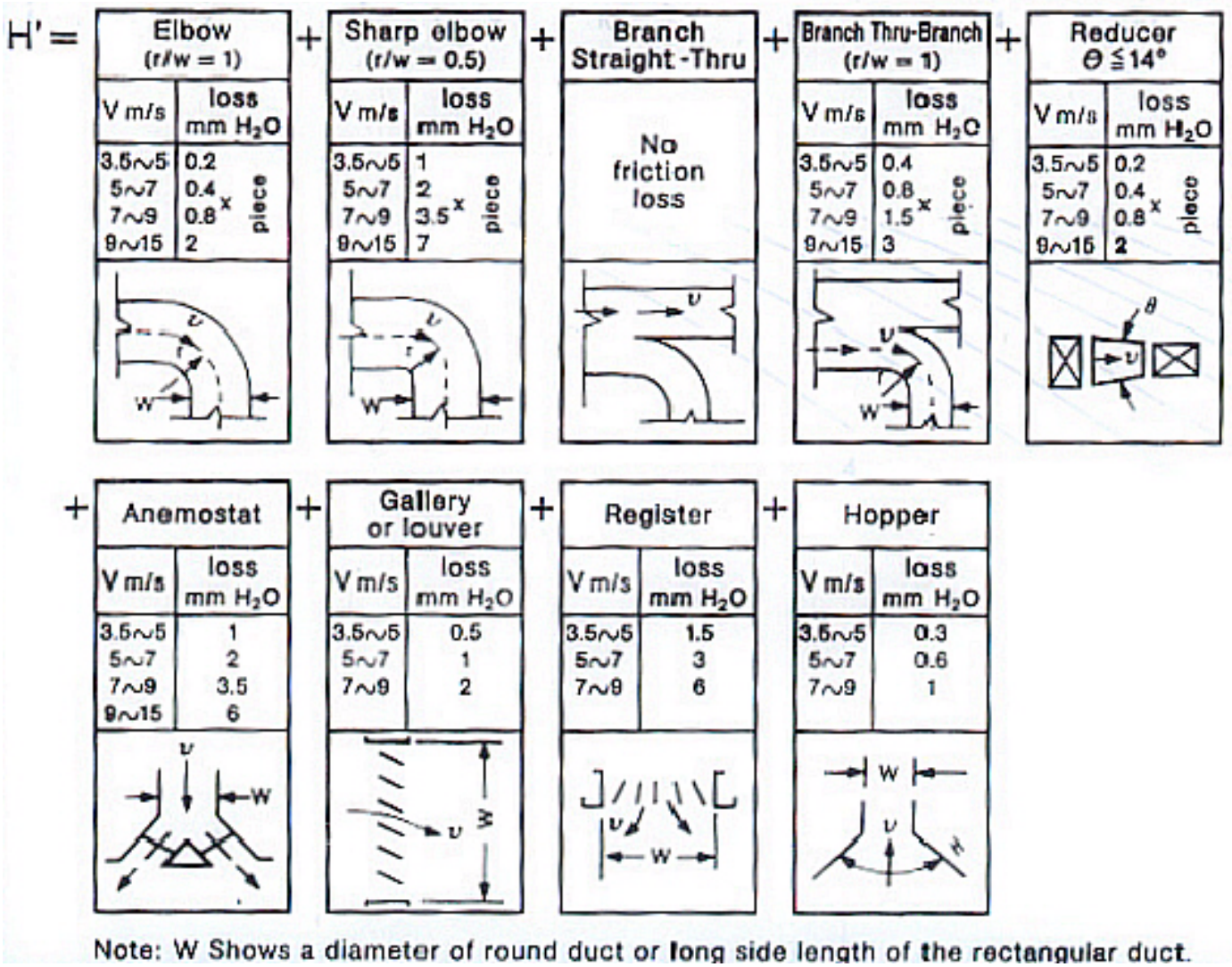
2. Charts For Friction Losses In Round Ducts

Fluid resistance caused by friction in round ducts can be determined by the friction chart. (based on galvanized sheet)



3. Dynamic Losses

For dynamic losses, please refer to below image.



Note: W Shows a diameter of round duct or long side length of the rectangular duct.

4. Corresponding Relation Between Rectangular Duct and Round Duct

Circular Duct Diameter, in.	Length of One Side of Rectangular Duct a, in.																				
	4	5	6	7	8	9	10	12	14	16	18	20	22	24	26	28	30	32	34	36
	Length Adjacent Side of Rectangular Duct b, in.																			
5	5																			
5.5	6	5																		
6	8	6																		
6.5	9	7	6																	
7	11	8	7																	
7.5	13	10	8	7																
8	15	11	9	8																
8.5	17	13	10	9																
9	20	15	12	10	8															
9.5	22	17	13	11	9															
10	25	19	15	12	10	9														
10.5	29	21	16	14	12	10														
11	32	23	18	15	13	11	10													
11.5		26	20	17	14	12	11													
12		29	22	18	15	13	12													
12.5		32	24	20	17	15	13													
13		35	27	22	18	16	14	12												
13.5		38	29	24	20	17	15	13												
14			32	26	22	19	17	14												
14.5			35	28	24	20	18	15												
15			38	30	25	22	19	16	14											
16			45	36	30	25	22	18	15											
17				41	34	29	25	20	17	16										
18				47	39	33	29	23	19	17										
19				54	44	38	33	26	22	19	18									
20					50	43	37	29	24	21	19									
21					57	48	41	33	27	23	20									
22					64	54	46	36	30	26	23	20								
23						60	51	40	33	28	25	22								
24						66	57	44	36	31	27	24	22							
25							63	49	40	34	29	26	24							
26							69	54	44	37	32	28	26	24						
27							76	59	48	40	35	31	28	25						
28								64	52	43	38	33	30	27	26					
29								70	56	47	41	36	32	29	27					
30								76	61	51	44	39	35	31	29	28				
31								82	66	55	47	41	37	34	31	29				
32								89	71	59	51	44	40	36	33	31				
33								96	76	64	54	48	42	38	35	33	30			
34									82	68	58	51	45	41	37	35	32			
35									88	73	62	54	48	44	40	37	34	32		
36									95	78	67	58	51	46	42	39	36	34		
37									101	83	71	62	55	49	45	41	38	36	34	
38									108	89	76	66	58	52	47	44	40	38	36	
39										95	80	70	62	55	50	46	43	40	37	36
40										101	85	74	65	58	53	49	45	42	39	37
41										107	91	78	69	62	56	51	47	44	41	39
42										114	96	83	73	65	59	54	50	46	44	41
43										120	102	88	77	69	62	57	53	49	46	43
44											107	93	81	73	66	60	55	51	48	45
45											113	98	86	76	69	63	58	54	50	47
46											120	103	90	80	72	66	61	56	53	49
47											126	108	95	84	76	69	64	59	55	52
48											133	114	100	89	80	73	67	62	58	54
49											140	120	105	93	84	76	70	65	60	56
50											147	126	110	98	88	80	73	68	63	59
51												132	115	102	92	83	76	71	66	61
52												139	121	107	96	87	80	74	69	64
53												145	127	112	100	91	83	77	71	67
54												152	133	117	105	95	87	80	74	70
55													139	123	110	99	91	84	78	72
56													145	128	114	104	95	87	81	75
57													151	134	119	108	98	91	84	78
58													158	139	124	112	102	94	87	81
59													165	145	130	117	107	98	91	85
60													172	151	135	122	111	102	94	88

5. Method For Duct Calculation (equal friction method)

1)Draw schematic view of the duct system.

1)Make notes for air volume and mark clearly the elbow, the branch parts, the air discharge outlet.

1)Select one main ducting route (where the maximum static pressure loss occures).

1)Select the air velocity for the main duct in accordance with the desirable air velocity.

	Typical design velocity (m/s)		
Main duct	Residence	Public building	Factory
	3.5~6.0	5.0~8.0	6.0~11.0

1)Since the velocity and air volume are fixed for main duct, then use the Friction loss chart to find standard friction loss.

1)Use air volume and friction loss to find corresponding duct size and velocity for each part of main duct through Fricitions loss chart.

1)Find the dynamic loss of main ducting route according to the velocity. and type of special fittings (elbows, junctions, regulating flaps, etc.)

1)Obtain the duct size and velocity of each branch duct based on the air volume and the same standard friction loss as for the main duct.

1)Find the dynamic loss of branch duct.

1)Calculate the total pressure loss.

6. Unit Conversion

- 1 inch water=248.8 N/m^2 (Pa)=0.0361 lb/in^2 (psi)=25.4 kg/cm^2=0.0739 in mercury
- 1 ft^3/min (cfm)=1.7 m^3/h
- 1 ft/min=5.08*10-3 m/s
- 1 inch=2.54 cm=0.0254m=0.08333ft

7. Recommended Outlet Velocity For Different Occasion

The permissible sound level and correspondingly maximum air velocity, is determined by the occasion.

Noise / dB(A)	Occasion	Maximum velocity / m/s
25	Studio, recording room	2
35	Cinema, hospital, library	3
40	Office, school, hotel	4
46	Bank, public hall	5
50	Store, post office	6
70	Factory	10