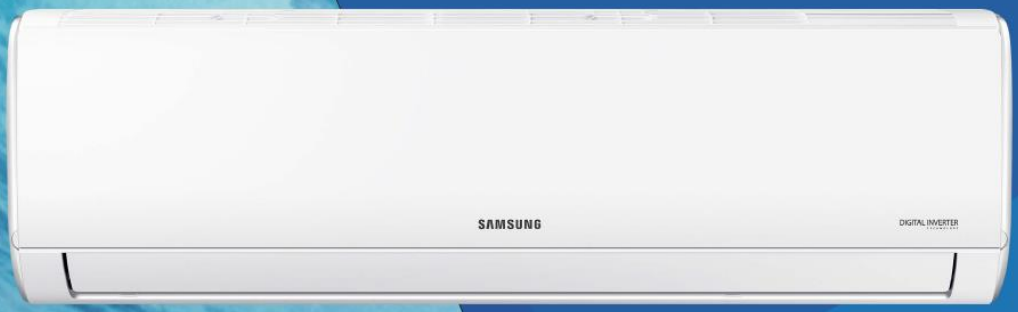
SAMSUNG

RAC Technical Data Book

RAC for Europe (Inverter, R32, 50Hz)



Model : (AR35 WiFi) AR**H**C1AMNEU(Indoor Unit), AR**H**C1AMXEU(Outdoor Unit)

(AR30 WiFi) AR**H**C1BMNEU(Indoor Unit), AR**H**C1BMXEU(Outdoor Unit)

History

Version	Modification	Date	Remark
Ver. 1.0	Released AR40H RAC for Europe	26. 01. 12	

Nomenclature

Model Name

AR	40	H	09	C	1	A	M	N	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Buyer

(1) Classification

AR	RAC

(2) Series

40	Entry

(3) Year

H	2026

(4) Capacity

X1000 Btu/h

(5) Product type

C	INVERTER, Heat Pump, R32
D	INVERTER, Cooling Only, R32

(6) AI Level

1	Wi-Fi
0	-

(7) Version

A-Z, 1~9 (1digit)

(8) Color & Design

M	Mint / Bespoke

(9) Set

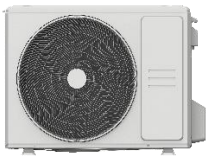
N	Indoor Unit
X	Outdoor Unit
/	Set

Line-up

Indoor Unit

Model	Capacity (kBtu/h)			
	9	12	18	24
AR35 Wi-Fi				
AR30 Wi-Fi			-	-

Outdoor Unit

Model	Capacity (kBtu/h)			
	9	12	18	24
AR35 Wi-Fi				
AR30 Wi-Fi			-	-

Contents

1. Product Specifications

AR35 Wi-Fi

Model Name		Indoor Unit		AR40H09C1AMNEU	AR40H12C1AMNEU
		Outdoor Unit		AR40H09C1AMXEU	AR40H12C1AMXEU
Power Supply			V-Hz-Ph	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling (Standard Conditions)	Capacity		Btu/h	9000	12000
	Standard		kW	2.6	3.5
	Min / Max		kW	0.91 / 3.40	1.11 / 4.16
	Pdesign c		kW	2.8	3.6
	Input		W	770	1213
	Current		A	3.3	5.3
	EER		W/W	3.43	2.90
	SEER			6.3	6.1
	Energy Efficiency Class			A++	A++
	Annual Energy Consumption			156	211
Heating (Standard Conditions)	Capacity		Btu/h	10000	13000
	Standard		kW	2.9	3.8
	Min / Max		kW	0.82 / 3.37	1.08 / 4.22
	Pdesign h (warmer)		kW	2.6	2.5
	Pdesign h (average)		kW	2.6	2.7
	Input		W	750	1088
	Current		A	3.2	4.7
	COP		W/W	3.91	3.5
	SCOP (wamer)			4.6	4.6
	SCOP (average)			4.0	3.9
	Energy Efficiency Class (wamer)			A++	A+
	Energy Efficiency Class (average)			A+	A
	Annual Energy Consumption (wamer)			791	875
	Annual Energy Consumption (average)			910	969
Tol			℃	-15	-15
Rated power Input (Indoor)			W	20	23
Rated Current (Indoor)			A	0.2	0.2
Rated Power Input			W	2150	2150
Rated Current			A	10	10

1. Product Specifications

Start Current		A	Inverter model start current is small	Inverter model start current is small
Indoor fan motor	Model		YKFG-13-4-38L-4	YKFG-13-4-38L-4
	Input	W	40	40
	Capacitor	uF	1.2	1.2
	Speed(%) (20/40/60/80/100/Turbo)	r/min	C : 670/760/850/940/1030/1248 H : 674/768/862/956/1050/1248	C : 670/760/850/940/1030/1248 H : 674/768/862/956/1050/1248
Indoor coil	a. Number of rows		2	2
	b. Tube pitch(a) x row pitch(b)	mm	19.5x11.6	19.5x11.6
	c. Fin spacing	mm	1.2	1.2
	d. Fin type		Hydrophilic aluminum	Hydrophilic aluminum
	e. Tube outside dia.and type	mm	Φ5, Inner groove tube	Φ5, Inner groove tube
	f. Coil length x height x width	mm	595x78x23.2+ 595x117x2 3.2 + 595x78x23.2	595x78x23.2+ 595x117x2 3.2 + 595x78x23.2
	g. Number of circuits		4	4
Moisture Removal		(l/hr)	0.9	1.2
Indoor air flow (20%/40%/60%/80%/100%/Turbo)		m3/h	250/300/345/390/445/505	296/346/400/446/500/560
Indoor sound pressure level (20%/40%/60%/80%/100%/Turbo)		dB(A)	30/32/35.5/39/41/45.5	32/35/39/41/43/46
Indoor sound power level (Cool/Heat)		dB(A)	55	55
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285
	Packing (W*D*H)	mm	880x285x360	880x285x360
	Net/Gross weight	Kg	8.1/10.7	8.1/10.7
Qty'per 20' / 40' / 40'HQ		Indoor unit	340 / 700 / 810	340 / 700 / 810
Compressor	Model		KSK103D33UEZ3	KSK103D33UEZ3
	Type		/	/
	Brand		GMCC	GMCC
	Capacity	W	3250	3250
	Input	W	829	829
	Rated current(RLA)	A	5.6	5.6
	Refrigerant oil/oil charge	ml	VG74 / 310	VG74 / 310
Outdoor fan motor	Model		ZKFN-34-10-1	ZKFN-34-10-1
	Input	W	34	34
	Capacitor	uF	/	/
	Speed	r/min	760	790
Outdoor coil	a. Number of rows		1	1
	b. Tube pitch(a)x row pitch(b)	mm	21x22	21x22
	c. Fin spacing	mm	1.3	1.3
	d. Fin type		Hydrophilic aluminum	Hydrophilic aluminum

1. Product Specifications

	e. Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	f. Coil length x height x width	mm	740x462x22	740x462x22
	g. Number of circuits		2	2
Outdoor sound pressure level		dB(A)	55	55
Outdoor sound power level (Cool/Heat)		dB(A)	62	65
Throttle type			Capillary	Capillary
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495
	Packing (W*D*H)	mm	835x300x540	835x300x540
	Net/Gross weight	Kg	23.2 / 25.5	23.2 / 25.5
Refrigerant type		Kg	R32 / 0.55	R32 / 0.55
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
Thermostat type			Remote Control	Remote Control
Operation temperature		℃	16-30	16-30
Room temperature	Indoor(cooling/ heating)	℃	16～32/0～30	16～32/0～30
	Outdoor(cooling/heating)	℃	-15～50/-15～24	-15～50/-15～24
Qty'per 20' / 40' / 40'HQ		Outdoor unit	216 / 432 / 432	216 / 432 / 432
Qty'per 20' / 40' / 40'HQ		Set	130 / 240 / 260	130 / 240 / 260
Connection wiring			1.5X5(Optional)	1.5X5(Optional)
Power cable			No	No

1. Product Specifications

AR35 Wi-Fi

Model Name		Indoor Unit		AR40H18C1AMNEU	AR40H24C1AMNEU
		Outdoor Unit		AR40H18C1AMXEU	AR40H24C1AMXEU
Power Supply			V-Hz-Ph	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling (Standard Conditions)	Capacity		Btu/h	18000	24000
	Standard		kW	5.3	7.0
	Min / Max		kW	1.81 / 6.15	2.08 / 7.91
	Pdesign c		kW	5.3	7.0
	Input		W	1645	2510
	Current		A	7.4	11.2
	EER		W/W	3.21	2.80
	SEER			7.1	6.1
	Energy Efficiency Class			A++	A++
	Annual Energy Consumption			261	402
Heating (Standard Conditions)	Capacity		Btu/h	180000	25000
	Standard		kW	5.3	7.3
	Min / Max		kW	1.28 / 6.74	1.61 / 7.91
	Pdesign h (warmer)		kW	4.6	6.4
	Pdesign h (average)		kW	4.2	4.7
	Input		W	1482	2442
	Current		A	6.7	11.0
	COP		W/W	3.56	3.00
	SCOP (wamer)			4.6	4.0
	SCOP (average)			4.0	3.9
	Energy Efficiency Class (wamer)			A++	A+
	Energy Efficiency Class (average)			A+	A
	Annual Energy Consumption (wamer)			1400	2240
	Annual Energy Consumption (average)			1470	1687
Tol			℃	-15	-15
Rated power Input (Indoor)			W	36	58
Rated Current (Inddor)			A	0.1	0.3
Rated Power Input			W	2500	3500
Rated Current			A	13.0	15.5

1. Product Specifications

Start Current		A	Inverter model start current is small	Inverter model start current is small
Indoor fan motor	Model		ZKFP-30-8-3	ZKFP-30-8-3
	Input	W	36	58
	Capacitor	uF	/	/
	Speed(%) (20/40/60/80/100/Turbo)	r/min	C:760/870/980/1090/1200/1248 H:750/850/950/1050/1150/1248	C:830/910/990/1070/1150/1224 H:830/910/990/1070/1150/1224
Indoor coil	a. Number of rows		2	2
	b. Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37
	c. Fin spacing	mm	1.2	1.3
	d. Fin type		Hydrophilic aluminum	Hydrophilic aluminum
	e. Tube outside dia.and type	mm	Φ7, Inner groove tube	Φ7, Inner groove tube
	f. Coil length x height x width	mm	750x189x26.74 +750x105x26.74	780x210x26.74 +780x105x26.74
	g. Number of circuits		3	4
Moisture Removal		(l/hr)	2.30	3.1
Indoor air flow (20%/40%/60%/80%/100%/Turbo)		m3/h	444/512/580/683/772/802	609/682/769/840/920/955
Indoor sound pressure level (20%/40%/60%/80%/100%/Turbo)		dB(A)	33/38/41/44/46/47	36.5/39/44/45.5/47/48
Indoor sound power level (Cool/Heat)		dB(A)	55/57	59/59
Indoor unit	Dimension(W*D*H)	mm	957x213x302	1040x220x327
	Packing (W*D*H)	mm	1035x295x385	1120x405x315
	Net/Gross weight	Kg	10.9/14.3	13/17.7
Qty'per 20' /40' /40'HQ		Indoor unit	254/520/600	200/420/480
Compressor	Model		KSN140D21UFZ	KTM240D43UKT
	Type		ROTARY	Twin-ROTARY
	Brand		GMCC	GMCC
	Capacity	W	4385	7600
	Input	W	1140	2045
	Rated current(RLA)	A	7.50	9.30
	Refrigerant oil/oil charge	ml	G74 / 440	ESTER OIL VG74 / 620
Outdoor fan motor	Model		ZKFN-34-10-1-3	ZKFN-80-8-3
	Input	W	34	80
	Capacitor	uF	/	/
	Speed	r/min	740/740	830/800
Outdoor coil	a. Number of rows		2	1.6
	b. Tube pitch(a)x row pitch(b)	mm	21x22	21x22
	c. Fin spacing	mm	1.3	1.3
	d. Fin type		Hydrophilic aluminum	Hydrophilic aluminum

1. Product Specifications

	e. Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	f. Coil length x height x width	mm	860*504*44	900*44*609
	g. Number of circuits		4	5
Outdoor sound pressure level		dB(A)	57.5	59.5
Outdoor sound power level (Cool/Heat)		dB(A)	63 / 68	68 / 68
Throttle type			Capillary	Capillary
Outdoor unit	Dimension(W*D*H)	mm	805x330x554	890x342x673
	Packing (W*D*H)	mm	915x370x615	995x398x740
	Net/Gross weight	Kg	32.7/35.4	42.9/45.9
Refrigerant type		Kg	R32 / 1.08	R32 / 1.42
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	30
	Max. difference in level	m	20	25
Thermostat type			Remote Control	Remote Control
Operation temperature		℃	16~30	16~30
Room temperature	Indoor(cooling/ heating)	℃	16～32/0～30	16～32/0～30
	Outdoor(cooling/heating)	℃	-15～50/-15～30	-15～50/-15～24
Qty'per 20' / 40' / 40'HQ		Outdoor unit	114 / 234 / 312	99 / 198 / 198
Qty'per 20' / 40' / 40'HQ		Set	85 / 174 / /202	65 / 132 / 154
Connection wiring			1.5X5(Optional)	2.5X5(Optional)
Power cable			No	No

1. Product Specifications

AR30 Wi-Fi

Model Name		**Indoor Unit**		**AR40H09C1BMNEU**	**AR40H12C1BMNEU**
		Outdoor Unit		**AR40H09C1BMXEU**	**AR40H12C1BMXEU**
Power Supply			V-Hz-Ph	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling (Standard Conditions)	Capacity		Btu/h	9000	12000
	Standard		kW	2.6	3.5
	Min / Max		kW	0.91 / 3.40	1.11 / 4.16
	Pdesign c		kW	2.8	3.6
	Input		W	770	1213
	Current		A	3.3	5.3
	EER		W/W	3.43	2.90
	SEER			6.3	6.1
	Energy Efficiency Class			A++	A++
	Annual Energy Consumption			156	211
Heating (Standard Conditions)	Capacity		Btu/h	10000	13000
	Standard		kW	2.9	3.8
	Min / Max		kW	0.82 / 3.37	1.08 / 4.22
	Pdesign h (warmer)		kW	2.6	2.5
	Pdesign h (average)		kW	2.6	2.7
	Input		W	750	1088
	Current		A	3.2	4.7
	COP		W/W	3.91	3.5
	SCOP (wamer)			4.6	4.6
	SCOP (average)			4.0	3.9
	Energy Efficiency Class (wamer)			A++	A+
	Energy Efficiency Class (average)			A+	A
	Annual Energy Consumption (wamer)			791	875
	Annual Energy Consumption (average)			910	969
Tol			℃	-15	-15
Rated power Input (Indoor)			W	20	23
Rated Current (Inddor)			A	0.2	0.2
Rated Power Input			W	2150	2150
Rated Current			A	10	10

1. Product Specifications

Start Current		A	Inverter model start current is small	Inverter model start current is small
Indoor fan motor	Model		YKFG-13-4-38L-4	YKFG-13-4-38L-4
	Input	W	40	
	Capacitor	uF	1.2	
	Speed (%) (20/40/60/80/100/Turbo)	r/min	C : 670/760/850/940/1030/1248 H : 674/768/862/956/1050/1248	C : 670/760/850/940/1030/1248 H : 674/768/862/956/1050/1248
Indoor coil	a. Number of rows		2	2
	b. Tube pitch(a)x row pitch(b)	mm	19.5x11.6	19.5x11.6
	c. Fin spacing	mm	1.2	1.2
	d. Fin type		Hydrophilic aluminum	Hydrophilic aluminum
	e. Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube
	f. Coil length x height x width	mm	595x78x23.2+ 595x117x2 3.2 + 595x78x23.2	595x78x23.2+ 595x117x2 3.2 + 595x78x23.2
	g. Number of circuits		4	4
Moisture Removal		(l/hr)	0.9	1.2
Indoor air flow (20%/40%/60%/80%/100%/Turbo)		m3/h	250/300/345/390/445/505	296/346/400/446/500/560
Indoor sound pressure level (20%/40%/60%/80%/100%/Turbo)		dB(A)	30/32/35.5/39/41/45.5	32/35/39/41/43/46
Indoor sound power level (Cool/Heat)		dB(A)	55	55
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285
	Packing (W*D*H)	mm	880x285x360	880x285x360
	Net/Gross weight	Kg	8.1/10.7	8.1/10.7
Qty'per 20' /40' /40'HQ		Indoor unit	340/700/810	340/700/810
Compressor	Model		KSK103D33UEZ3	KSK103D33UEZ3
	Type		/	/
	Brand		GMCC	GMCC
	Capacity	W	3250	3250
	Input	W	829	829
	Rated current(RLA)	A	5.6	5.6
	Refrigerant oil/oil charge	ml	VG74 / 310	VG74 / 310
Outdoor fan motor	Model		ZKFN-34-10-1	ZKFN-34-10-1
	Input	W	34	34
	Capacitor	uF	/	/
	Speed	r/min	760	790
Outdoor coil	a. Number of rows		1	1
	b. Tube pitch(a)x row pitch(b)		21x22	21x22
	c. Fin spacing		1.3	1.3
	d. Fin type		Hydrophilic aluminum	Hydrophilic aluminum

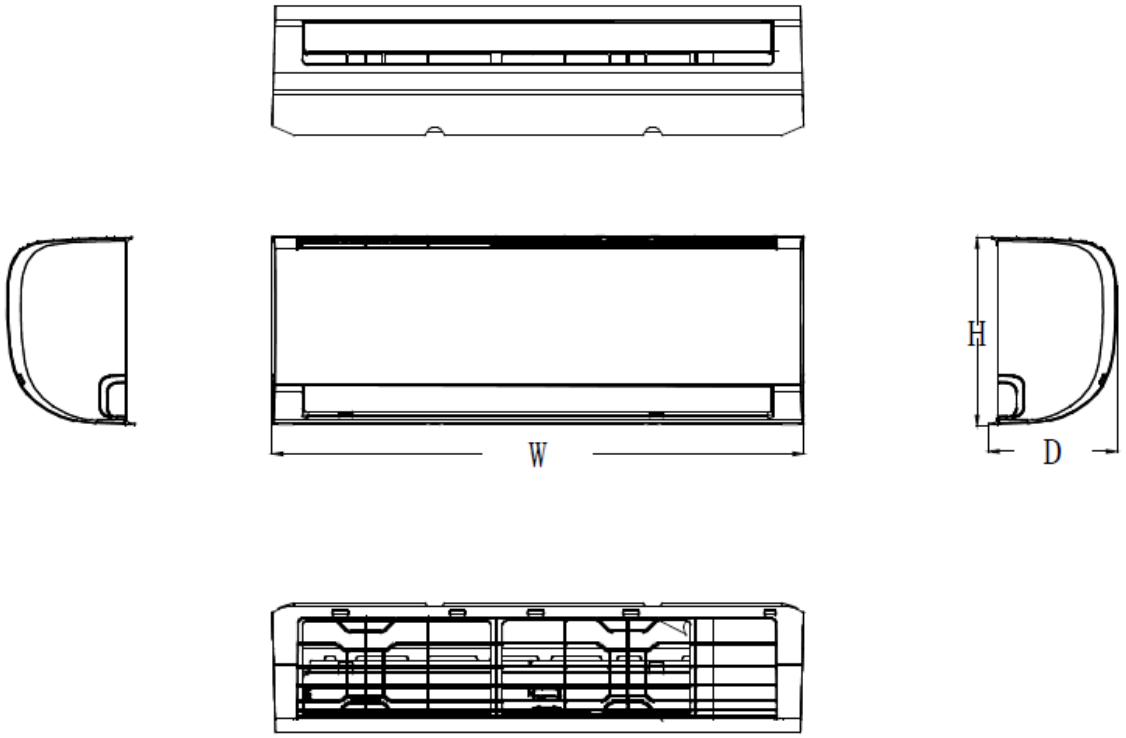
1. Product Specifications

	e. Tube outside dia.and type		Φ7,Inner groove tube	Φ7,Inner groove tube
	f. Coil length x height x width	mm	740x462x22	740x462x22
	g. Number of circuits		2	2
Outdoor sound pressure level		dB(A)	55	55
Outdoor sound power level (Cool/Heat)		dB(A)	62	65
Throttle type			Capillary	Capillary
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495
	Packing (W*D*H)	mm	835x300x540	835x300x540
	Net/Gross weight	Kg	23.2 / 25.5	23.2 / 25.5
Refrigerant type		Kg	R32 / 0.55	R32 / 0.55
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
Thermostat type			Remote Control	Remote Control
Operation temperature		℃	16-30	16-30
Room temperature	Indoor(cooling/ heating)	℃	16～32/0～30	16～32/0～30
	Outdoor(cooling/heating)	℃	-15～50/-15～24	-15～50/-15～24
Qty'per 20' / 40' / 40'HQ		Outdoor unit	216 / 432 / 432	216 / 432 / 432
Qty'per 20' / 40' / 40'HQ		Set	130 / 240 / 260	130 / 240 / 260
Connection wiring			1.5X5(Optional)	1.5X5(Optional)
Power cable			No	No

2. Dimensional Drawing

Indoor Unit

Unit : mm (inches)

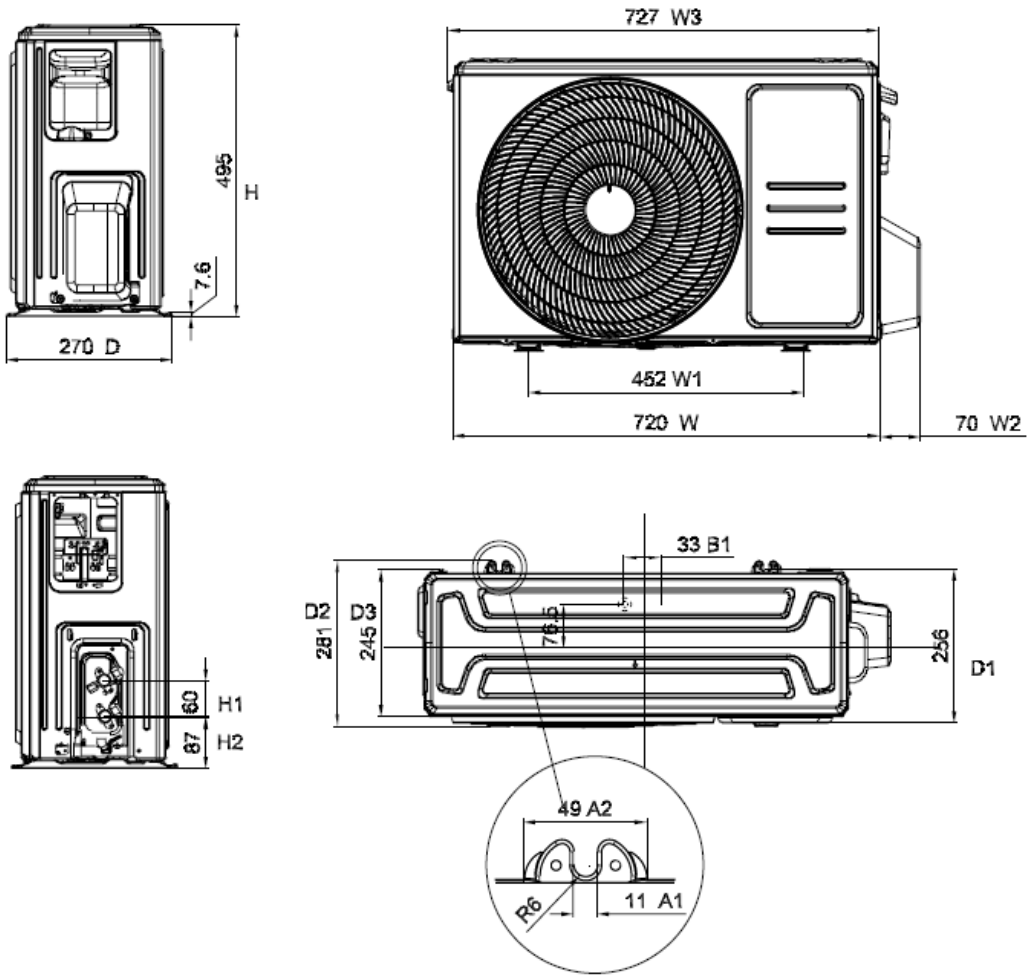


Type	Model Code	W (mm)	D (mm)	H (mm)
AR35	AR40H09C1AMNEU	805	194	285
	AR40H12C1AMNEU			
	AR40H18C1AMNEU	957	213	302
	AR40H24C1AMNEU	1040	220	327
AR30	AR40H09C1BMNEU	805	194	285
	AR40H12C1BMNEU			

2. Dimensional Drawing

Outdoor Unit

Unit : mm (inches)



Type	Model Code	W (mm)	D (mm)	H (mm)
AR35	AR40H09C1AMXEU	720	270	495
	AR40H12C1AMXEU			
	AR40H18C1AMXEU	805	330	554
	AR40H24C1AMXEU	890	342	673
AR30	AR40H09C1BMXEU	720	270	495
	AR40H12C1BMXEU			

3. Electrical Wiring Diagrams

Indoor Unit Abbreviations

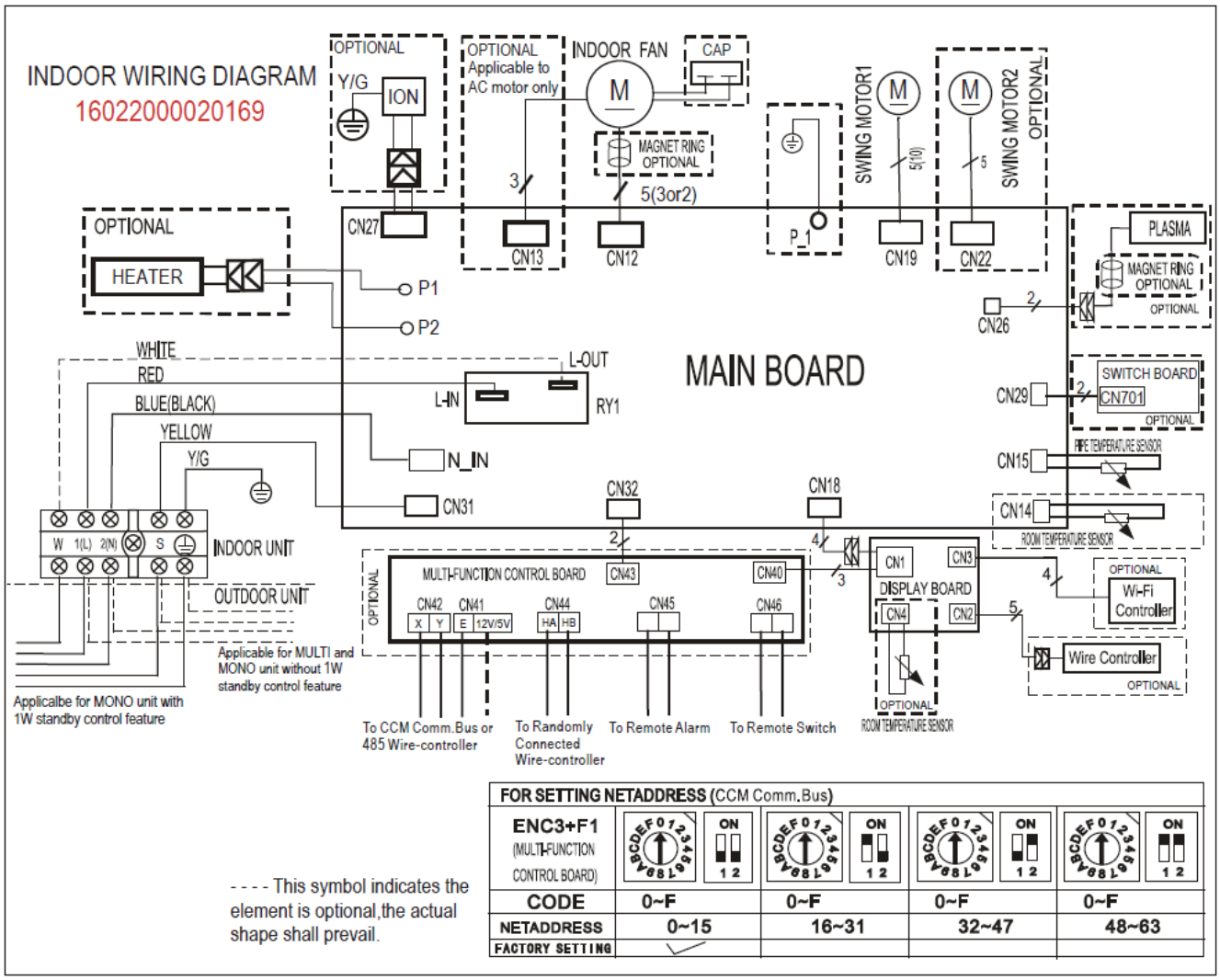
Abbreviation	Paraphrase
Y/G	Yellow-Green Conductor
ION	Positive and Negative Ion Generator
CAP	Capacitor
PLASMA	Electronic Dust Collector
L	LIVE
N	NEUTRAL
Heater	The Electric Heating Belt of Indoor Unit
T1	Indoor Room Temperature
T2	Coil Temperature of Indoor Heat Exchanger

Outdoor Unit Abbreviations

Abbreviation	Paraphrase
4-WAY	Gas Valve Assembly/4-WAY VALVE
AC-FAN	Alternating Current FAN
DC-FAN	Direct Current FAN
CT1	AC Current Detector
COMP	Compressor
T3	Coil Temperature of Condenser
T4	Outdoor Ambient Temperature
TH	Compressor Suction Temperature
TP	Compressor Discharge Temperature
EEV	Electronic Expansion Valve
L-PRO	Low Pressure Switch
H-PRO	High Pressure Switch

3. Electrical Wiring Diagrams

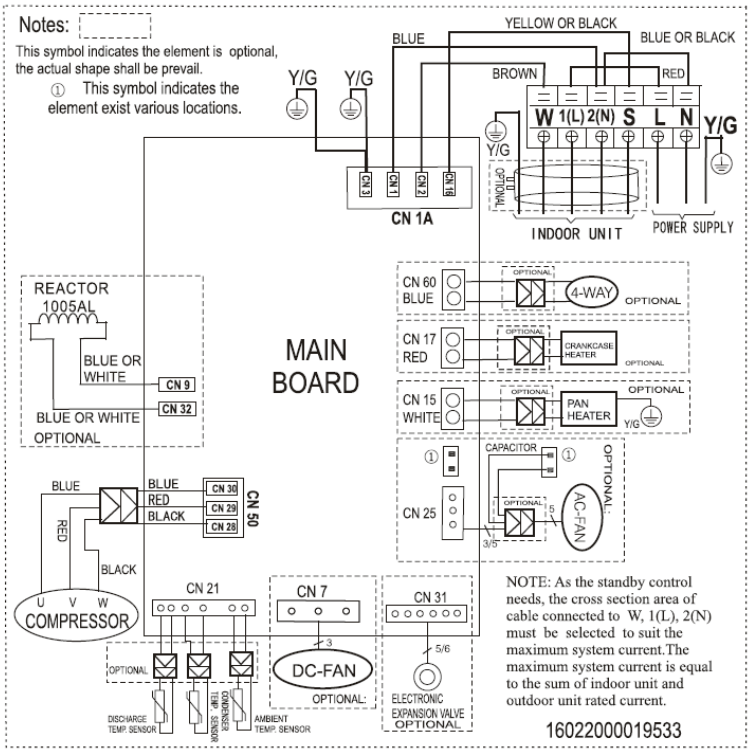
Indoor Unit : Model 9K/12K/18K/24K



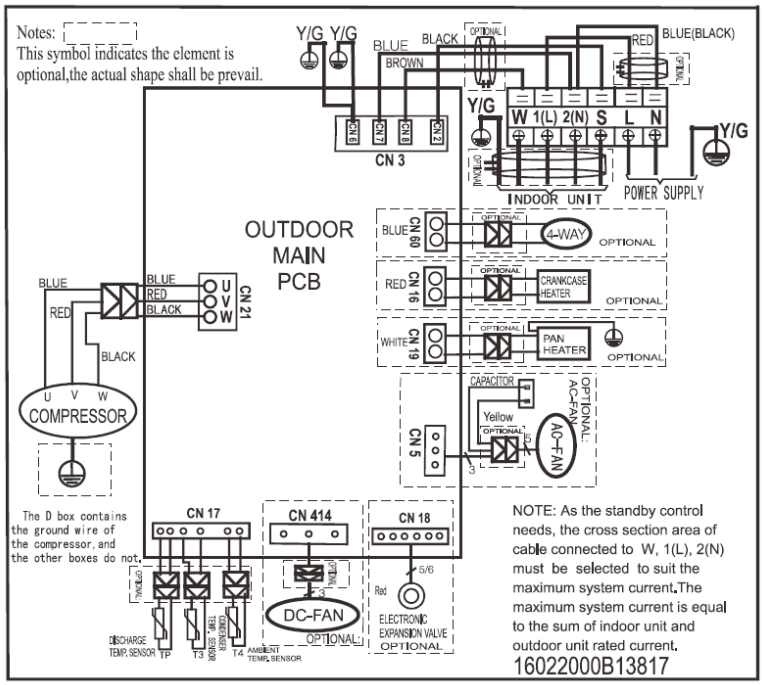
3. Electrical Wiring Diagrams

Outdoor Unit

[Model 9K/12K/18K]

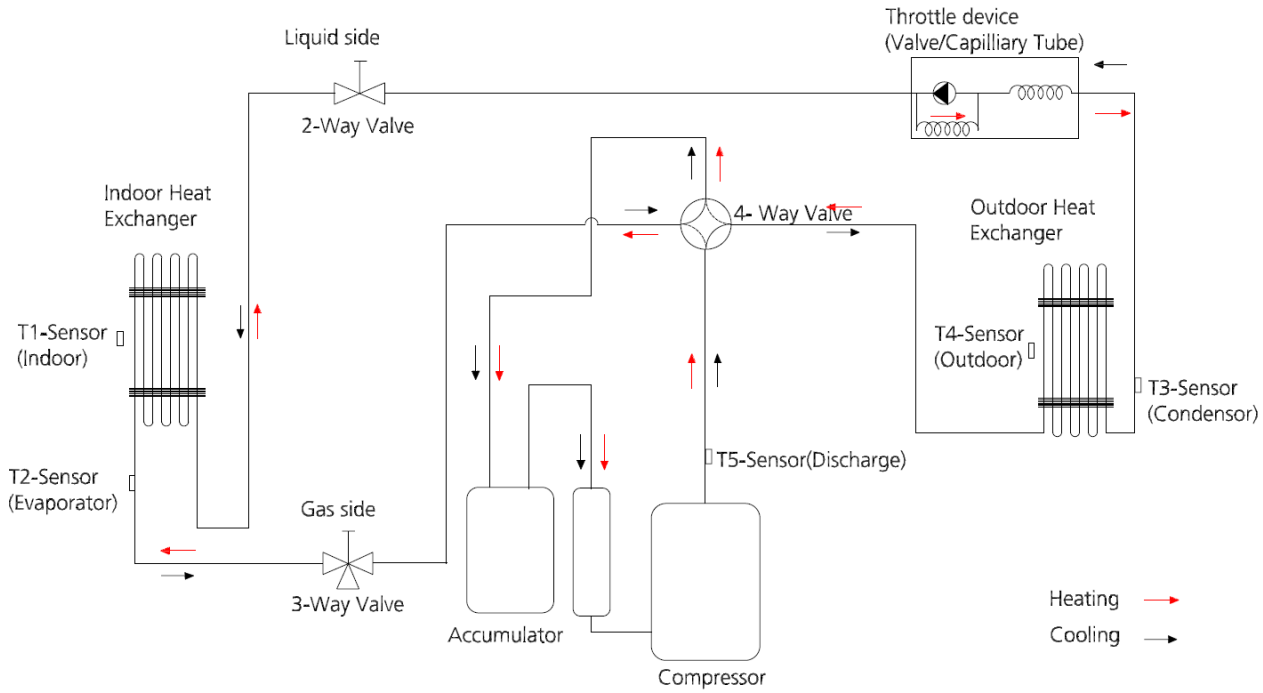


[Model 24K]



4. Refrigerant Cycle Diagrams

Heat Pump



Capacity (Btu/h).	Pipe Size (Diameter:ø) mm(inch)		Piping length (m/ft)		Elevation (m/ft)		Additional Refrigerant
	Gas	Liquid	Rated	Max.	Rated	Max.	
9K/12K	9.52(3/8)	6.35(1/4)	5/16.4	25/82	0	10/32.8	12g/m (0.13oz/ft)
18K	12.7(1/2)	6.35(1/4)		30m/98.4ft	0	20/65.6	
24K	15.9(5/8)	9.52(3/8)		50/164	0	25/82	24g/m (0.26oz/ft)

5. Capacity Tables

Cooling

AR40H09C1AM* , AR40H09C1BM*																		
INDOOR	OUTDOOR	ID WB (℃)	16.0				18.0				19.0				22.0			
AIRFLOW (CMH)	DB(℃)	ID DB (℃)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
325	-15	TC	2.75	2.73	2.73	2.76	2.89	2.95	2.95	2.95	2.97	2.97	2.97	2.97	3.14	3.14	3.14	3.14
		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	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	2.73	2.72	2.72	2.75	2.87	2.94	2.94	2.94	2.95	2.95	2.95	2.95	3.13	3.13	3.13	3.13
		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	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	2.71	2.70	2.70	2.73	2.86	2.92	2.92	2.92	2.94	2.94	2.94	2.94	3.12	3.12	3.12	3.12
		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	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	2.70	2.69	2.69	2.72	2.85	2.91	2.91	2.91	2.93	2.93	2.93	2.93	3.12	3.12	3.12	3.12
		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	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	2.69	2.68	2.68	2.70	2.84	2.90	2.90	2.90	2.92	2.92	2.92	2.92	3.11	3.11	3.11	3.11
		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	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	10	TC	2.67	2.66	2.66	2.69	2.83	2.89	2.89	2.89	2.91	2.91	2.91	2.91	3.11	3.11	3.11	3.11
		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	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
	15	TC	2.65	2.64	2.64	2.67	2.81	2.87	2.87	2.87	2.89	2.89	2.89	2.89	3.09	3.09	3.09	3.09
		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	0.52	0.51	0.51	0.52	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.52	0.52	0.52	0.52
	20	TC	2.62	2.61	2.61	2.64	2.78	2.78	2.78	2.78	2.87	2.87	2.87	2.87	3.07	3.07	3.07	3.07
		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	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	2.49	2.49	2.52	2.55	2.67	2.67	2.67	2.67	2.72	2.72	2.72	2.72	2.95	2.95	2.95	2.95
		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	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	2.38	2.38	2.41	2.44	2.52	2.52	2.52	2.52	2.61	2.61	2.61	2.61	2.81	2.81	2.81	2.81
		S/T	0.73	0.82	0.91	0.99	0.58	0.67	0.76	0.84	0.52	0.60	0.68	0.77	0.36	0.44	0.51	0.59
		PI	0.64	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	2.26	2.26	2.29	2.32	2.41	2.41	2.41	2.41	2.49	2.49	2.52	2.49	2.67	2.67	2.67	2.67
		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	0.70	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
	40	TC	2.13	2.13	2.15	2.18	2.26	2.26	2.26	2.27	2.34	2.34	2.36	2.34	2.51	2.50	2.51	2.51
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.89	0.52	0.62	0.72	0.81	0.35	0.44	0.53	0.62
		PI	0.77	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	1.97	1.97	2.00	2.03	2.08	2.08	2.08	2.11	2.17	2.17	2.17	2.17	2.34	2.34	2.34	2.34
		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	0.62
		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	1.86	1.88	1.91	1.94	1.97	1.97	1.97	2.00	2.03	2.03	2.03	2.03	2.20	2.20	2.20	2.20
		S/T	0.79	0.90	1.00	1.00	0.60	0.72	0.83	0.94	0.53	0.64	0.74	0.85	0.34	0.44	0.54	0.64
		PI	0.93	0.93	0.93	0.93	0.93	0.90	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94

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.

5. Capacity Tables

AR40H09C1AM* , AR40H09C1BM*																		
INDOOR	OUTDOOR	ID WB (℃)	16.0				18.0				19.0				22.0			
AIRFLOW(CMH)	DB(℃)	ID DB (℃)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
360	-15	TC	2.83	2.83	2.86	2.89	2.95	2.95	2.95	2.95	3.03	3.03	3.03	3.03	3.23	3.23	3.23	3.23
		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	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	2.81	2.81	2.84	2.87	2.94	2.94	2.94	2.94	3.01	3.01	3.01	3.01	3.22	3.22	3.22	3.22
		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	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	2.79	2.79	2.82	2.85	2.92	2.92	2.92	2.92	3.00	3.00	3.00	3.00	3.21	3.21	3.21	3.21
		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	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
	0	TC	2.78	2.78	2.81	2.84	2.91	2.91	2.91	2.91	2.99	2.99	2.99	2.99	3.21	3.21	3.21	3.21
		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	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
	5	TC	2.76	2.76	2.79	2.82	2.90	2.90	2.90	2.90	2.98	2.98	2.98	2.98	3.20	3.20	3.20	3.20
		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	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
	10	TC	2.75	2.75	2.78	2.81	2.89	2.89	2.89	2.89	2.97	2.97	2.97	2.97	3.19	3.19	3.19	3.19
		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	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	2.73	2.73	2.75	2.78	2.87	2.87	2.87	2.87	2.95	2.95	2.95	2.95	3.18	3.18	3.18	3.18
		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	0.52	0.52	0.52	0.52	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	2.70	2.72	2.75	2.84	2.84	2.84	2.84	2.92	2.92	2.92	2.92	3.15	3.15	3.15	3.15
		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	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
	25	TC	2.55	2.55	2.58	2.61	2.72	2.72	2.72	2.72	2.81	2.81	2.81	2.81	3.01	3.01	3.01	3.01
		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	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
	30	TC	2.44	2.44	2.47	2.49	2.58	2.58	2.58	2.58	2.67	2.67	2.67	2.67	2.87	2.87	2.87	2.87
		S/T	0.75	0.85	0.94	1.00	0.59	0.69	0.78	0.87	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.60
		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	2.32	2.35	2.38	2.47	2.47	2.47	2.49	2.55	2.55	2.58	2.55	2.75	2.75	2.75	2.75
		S/T	0.76	0.86	0.96	1.00	0.60	0.70	0.79	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.52	0.61
		PI	0.71	0.71	0.71	0.71	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	2.17	2.18	2.21	2.24	2.31	2.31	2.31	2.34	2.40	2.40	2.42	2.40	2.59	2.59	2.59	2.59
		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	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
	46	TC	2.00	2.03	2.06	2.09	2.14	2.14	2.14	2.17	2.23	2.23	2.23	2.23	2.40	2.40	2.40	2.40
		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	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.89
	50	TC	1.89	1.91	1.94	1.97	2.03	2.03	2.03	2.06	2.09	2.09	2.09	2.09	2.26	2.26	2.26	2.26
		S/T	0.82	0.94	1.00	1.00	0.63	0.74	0.86	0.97	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.91
		PI	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.96	0.96	0.96	0.96
446	-15	TC	2.89	2.92	2.95	2.98	3.01	3.01	3.01	3.04	3.09	3.09	3.09	3.09	3.29	3.29	3.29	3.29
		S/T	0.75	0.86	1.00	1.00	0.59	0.70	0.80	0.98	0.51	0.61	0.71	0.81	0.33	0.42	0.52	0.61
		PI	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
	-10	TC	2.87	2.90	2.93	2.96	2.99	2.99	2.99	3.02	3.07	3.07	3.07	3.07	3.28	3.28	3.28	3.28
		S/T	0.76	0.86	1.00	1.00	0.59	0.70	0.81	0.98	0.51	0.61	0.72	0.82	0.33	0.43	0.52	0.61
		PI	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
	-5	TC	2.85	2.88	2.91	2.94	2.98	2.98	2.98	3.01	3.06	3.06	3.06	3.06	3.27	3.27	3.27	3.27
		S/T	0.76	0.87	1.00	1.00	0.59	0.70	0.81	0.99	0.52	0.61	0.72	0.82	0.33	0.43	0.53	0.61
		PI	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
	0	TC	2.84	2.87	2.90	2.93	2.97	2.97	2.97	3.00	3.05	3.05	3.05	3.05	3.26	3.26	3.26	3.26
		S/T	0.76	0.87	1.00	1.00	0.60	0.71	0.81	0.99	0.52	0.62	0.73	0.82	0.33	0.43	0.53	0.62
		PI	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
	5	TC	2.82	2.85	2.88	2.91	2.96	2.96	2.96	2.99	3.04	3.04	3.04	3.04	3.26	3.26	3.26	3.26
		S/T	0.77	0.88	1.00	1.00	0.60	0.71	0.82	1.00	0.52	0.62	0.73	0.83	0.33	0.43	0.53	0.62
		PI	0.50	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
	10	TC	2.81	2.84	2.87	2.89	2.95	2.95	2.95	2.98	3.03	3.03	3.03	3.03	3.25	3.25	3.25	3.25
		S/T	0.77	0.88	1.00	1.00	0.60	0.71	0.82	1.00	0.52	0.62	0.73	0.83	0.34	0.44	0.53	0.62
		PI	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
	15	TC	2.78	2.81	2.84	2.87	2.93	2.93	2.93	2.96	3.01	3.01	3.01	3.01	3.24	3.24	3.24	3.24
		S/T	0.78	0.89	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.74	0.84	0.34	0.44	0.54	0.63
		PI	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
	20	TC	2.75	2.78	2.81	2.84	2.90	2.90	2.90	2.92	2.98	2.98	2.98	2.98	3.21	3.21	3.21	3.21
		S/T	0.78	0.89	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.74	0.84	0.34	0.44	0.54	0.63
		PI	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	25	TC	2.61	2.64	2.67	2.70	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	0.80	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	0.65
		PI	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
	30	TC	2.49	2.52	2.55	2.58	2.64	2.64	2.64	2.67	2.72	2.72	2.72	2.72	2.95	2.95	2.95	2.95
		S/T	0.81	0.93	1.00	1.00	0.63	0.74	0.86	0.97	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.65
		PI	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.67	0.67	0.67	0.67
	35	TC	2.38	2.41	2.44	2.47	2.52	2.52	2.52	2.55	2.61	2.61	2.64	2.67	2.81	2.81	2.81	2.81
		S/T	0.83	0.95	1.00	1.00	0.63	0.76	0.88	1.00	0.54	0.66	0.78	0.89	0.33	0.45	0.56	0.67
		PI	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
	40	TC	2.23	2.26	2.29	2.31	2.37	2.37	2.38	2.41	2.44	2.44	2.46	2.49	2.64	2.64	2.64	2.64
		S/T	0.87	1.00	1.00	1.00	0.65	0.79	0.92	1.00	0.55	0.68	0.82	0.94	0.33	0.45	0.57	0.90
		PI	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
	46	TC	2.06	2.09	2.11	2.14	2.20	2.20	2.23	2.26	2.26	2.26	2.26	2.29	2.46	2.46	2.46	2.46
		S/T	0.88	1.00	1.00	1.00	0.66	0.80	0.94	1.00	0.56	0.70	0.84	0.97	0.33	0.45	0.58	0.92
		PI	0.89	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91
	50	TC	1.94	1.97	2.00	2.03	2.06	2.06	2.09	2.11	2.14	2.14	2.14	2.17	2.31	2.31	2.31	2.31
		S/T	0.91	1.00	1.00	1.00	0.68	0.83	0.97	1.00	0.57	0.71	0.86	0.99	0.32	0.46	0.59	0.97
		PI	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98

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.

5. Capacity Tables

AR40H12C1AM* , AR40H12C1BM*																		
INDOOR	OUTDOOR	ID WB (℃)	16.0				18.0				19.0				22.0			
AIRFLOW (CMH)	DB(℃)	ID DB (℃)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
314	-15	TC	3.71	3.72	3.72	3.72	3.90	3.96	3.96	3.96	4.00	4.00	4.00	4.00	4.25	4.25	4.25	4.25
		S/T	0.66	0.71	0.77	0.83	0.55	0.60	0.66	0.71	0.50	0.55	0.61	0.66	0.39	0.43	0.48	0.53
		PI	0.80	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
	-10	TC	3.68	3.70	3.70	3.70	3.87	3.93	3.93	3.93	3.98	3.98	3.98	3.98	4.23	4.23	4.23	4.23
		S/T	0.66	0.72	0.78	0.83	0.55	0.61	0.66	0.72	0.50	0.55	0.61	0.66	0.39	0.44	0.49	0.53
		PI	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	3.66	3.67	3.67	3.67	3.86	3.92	3.92	3.92	3.96	3.96	3.96	3.96	4.22	4.22	4.22	4.22
		S/T	0.66	0.72	0.78	0.84	0.56	0.61	0.66	0.72	0.51	0.56	0.61	0.66	0.39	0.44	0.49	0.54
		PI	0.80	0.81	0.81	0.80	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	3.64	3.66	3.66	3.66	3.85	3.91	3.91	3.91	3.95	3.95	3.95	3.95	4.22	4.22	4.22	4.22
		S/T	0.67	0.73	0.78	0.84	0.56	0.61	0.67	0.73	0.51	0.56	0.62	0.67	0.39	0.44	0.49	0.54
		PI	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
	5	TC	3.62	3.64	3.64	3.64	3.83	3.89	3.89	3.89	3.94	3.94	3.94	3.94	4.21	4.21	4.21	4.21
		S/T	0.67	0.73	0.79	0.85	0.56	0.62	0.67	0.73	0.51	0.56	0.62	0.67	0.39	0.44	0.49	0.54
		PI	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	3.60	3.61	3.61	3.61	3.81	3.87	3.87	3.87	3.92	3.92	3.92	3.92	4.20	4.20	4.20	4.20
		S/T	0.67	0.73	0.79	0.85	0.56	0.62	0.67	0.73	0.51	0.56	0.62	0.67	0.40	0.45	0.50	0.54
		PI	0.83	0.83	0.83	0.83	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
	15	TC	3.57	3.59	3.59	3.59	3.79	3.85	3.85	3.85	3.90	3.90	3.90	3.90	4.19	4.19	4.19	4.19
		S/T	0.68	0.74	0.80	0.86	0.57	0.62	0.68	0.74	0.52	0.57	0.63	0.68	0.40	0.45	0.50	0.55
		PI	0.85	0.85	0.85	0.85	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
	20	TC	3.53	3.54	3.54	3.54	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	0.68	0.74	0.80	0.86	0.57	0.63	0.68	0.74	0.52	0.57	0.63	0.68	0.40	0.45	0.50	0.55
		PI	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	3.37	3.37	3.37	3.37	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	0.68	0.74	0.81	0.87	0.57	0.63	0.69	0.75	0.52	0.57	0.63	0.69	0.39	0.45	0.50	0.55
		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	3.20	3.20	3.20	3.20	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	0.68	0.75	0.82	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	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	3.05	3.05	3.05	3.08	3.26	3.26	3.26	3.26	3.34	3.34	3.40	3.34	3.60	3.60	3.60	3.60
		S/T	0.69	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	1.16	1.16	1.16	1.16	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.18	1.18	1.18	1.18
	40	TC	2.89	2.89	2.89	2.92	3.09	3.09	3.09	3.09	3.18	3.18	3.21	3.18	3.43	3.43	3.43	3.43
		S/T	0.70	0.78	0.85	0.93	0.57	0.64	0.71	0.78	0.51	0.58	0.65	0.72	0.38	0.44	0.50	0.57
		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	2.67	2.67	2.67	2.70	2.87	2.87	2.87	2.87	2.96	2.96	2.96	2.96	3.19	3.19	3.19	3.19
		S/T	0.71	0.79	0.87	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	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	2.53	2.53	2.53	2.55	2.70	2.70	2.70	2.70	2.79	2.79	2.79	2.79	3.02	3.02	3.02	3.02
		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	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
430	-15	TC	3.78	3.78	3.78	3.81	3.96	3.96	3.96	3.96	4.06	4.06	4.06	4.06	4.31	4.31	4.31	4.31
		S/T	0.69	0.76	0.98	1.00	0.56	0.63	0.70	0.77	0.49	0.57	0.64	0.70	0.36	0.42	0.49	0.55
		PI	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
	-10	TC	3.76	3.76	3.76	3.79	3.93	3.93	3.93	3.93	4.04	4.04	4.04	4.04	4.29	4.29	4.29	4.29
		S/T	0.69	0.77	0.99	1.00	0.56	0.63	0.71	0.78	0.49	0.57	0.64	0.71	0.36	0.43	0.49	0.55
		PI	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
	-5	TC	3.73	3.73	3.73	3.76	3.92	3.92	3.92	3.92	4.02	4.02	4.02	4.02	4.28	4.28	4.28	4.28
		S/T	0.69	0.77	0.99	1.00	0.57	0.63	0.71	0.78	0.50	0.58	0.64	0.71	0.36	0.43	0.50	0.56
		PI	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
	0	TC	3.72	3.72	3.72	3.75	3.91	3.91	3.91	3.91	4.01	4.01	4.01	4.01	4.28	4.28	4.28	4.28
		S/T	0.70	0.77	1.00	1.00	0.57	0.64	0.72	0.78	0.50	0.58	0.65	0.72	0.36	0.43	0.50	0.56
		PI	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
	5	TC	3.70	3.70	3.70	3.73	3.89	3.89	3.89	3.89	4.00	4.00	4.00	4.00	4.27	4.27	4.27	4.27
		S/T	0.70	0.78	1.00	1.00	0.57	0.64	0.72	0.79	0.50	0.58	0.65	0.72	0.36	0.43	0.50	0.56
		PI	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
	10	TC	3.67	3.67	3.67	3.70	3.87	3.87	3.87	3.87	3.98	3.98	3.98	3.98	4.26	4.26	4.26	4.26
		S/T	0.70	0.78	1.00	1.00	0.57	0.64	0.72	0.79	0.50	0.58	0.65	0.72	0.37	0.44	0.50	0.56
		PI	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
	15	TC	3.64	3.64	3.64	3.67	3.85	3.85	3.85	3.85	3.96	3.96	3.96	3.96	4.25	4.25	4.25	4.25
		S/T	0.71	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	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.85	0.85	0.85	0.85
	20	TC	3.60	3.60	3.60	3.63	3.81	3.81	3.81	3.81	3.92	3.92	3.92	3.92	4.21	4.21	4.21	4.21
		S/T	0.71	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	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.88	0.88	0.88	0.88
	25	TC	3.43	3.43	3.43	3.46	3.63	3.63	3.63	3.63	3.75	3.75	3.75	3.75	4.04	4.04	4.04	4.04
		S/T	0.72	0.80	0.88	0.97	0.58	0.66	0.74	0.82	0.51	0.59	0.67	0.74	0.36	0.44	0.51	0.58
		PI	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
	30	TC	3.26	3.26	3.29	3.32	3.49	3.49	3.49	3.49	3.57	3.57	3.57	3.57	3.86	3.86	3.86	3.86
		S/T	0.73	0.81	0.90	0.98	0.58	0.66	0.75	0.83	0.51	0.60	0.68	0.76	0.36	0.44	0.51	0.59
		PI	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
	35	TC	3.11	3.11	3.14	3.17	3.32	3.32	3.32	3.32	3.40	3.40	3.46	3.40	3.66	3.66	3.66	3.66
		S/T	0.73	0.83	0.92	1.00	0.59	0.67	0.76	0.85	0.52	0.60	0.68	0.77	0.36	0.44	0.52	0.59
		PI	1.17	1.17	1.17	1.17	1.18	1.18	1.18	1.18	1.18	1.18	1.19	1.18	1.18	1.18	1.18	1.18
	40	TC	2.89	2.89	2.92	2.95	3.08	3.08	3.08	3.09	3.17	3.17	3.20	3.17	3.42	3.42	3.42	3.42
		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	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.32	1.32	1.32	1.32
	46	TC	2.68	2.68	2.71	2.73	2.85	2.85	2.85	2.88	2.93	2.93	2.93	2.93	3.19	3.19	3.19	3.19
		S/T	0.77	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	1.45	1.45	1.45	1.45	1.46	1.46	1.46	1.46	1.46	1.46	1.46	0.46	1.47	1.47	1.47	1.47
	50	TC	2.51	2.53	2.56	2.59	2.68	2.68	2.68	2.71	2.76	2.76	2.76	2.76	3.02	3.02	3.02	3.02
		S/T	0.78	0.89	1.00	1.00	0.61	0.72	0.82	0.93	0.53	0.63	0.74	0.84	0.34	0.44	0.53	0.91
		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

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.

5. Capacity Tables

AR40H12C1AM* , AR40H12C1BM*																		
INDOOR	OUTDOOR	ID WB (℃)	16.0				18.0				19.0				22.0			
AIRFLOW (CMH)	DB(℃)	ID DB (℃)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
540	-15	TC	3.84	3.84	3.87	3.90	4.02	4.02	4.02	4.02	4.12	4.12	4.12	4.12	4.40	4.40	4.40	4.40
		S/T	0.72	0.82	1.00	1.00	0.57	0.67	0.75	0.98	0.50	0.59	0.68	0.76	0.34	0.42	0.50	0.59
		PI	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.83	0.83	0.83	0.83
	-10	TC	3.82	3.82	3.85	3.88	3.99	3.99	3.99	3.99	4.10	4.10	4.10	4.10	4.38	4.38	4.38	4.38
		S/T	0.73	0.82	1.00	1.00	0.57	0.67	0.76	0.98	0.50	0.59	0.68	0.77	0.34	0.43	0.50	0.59
		PI	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.83	0.83	0.83	0.83
	-5	TC	3.79	3.79	3.82	3.85	3.98	3.98	3.98	3.98	4.08	4.08	4.08	4.08	4.37	4.37	4.37	4.37
		S/T	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.99	0.51	0.59	0.68	0.77	0.34	0.43	0.51	0.59
		PI	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
	0	TC	3.77	3.77	3.80	3.83	3.96	3.96	3.96	3.96	4.07	4.07	4.07	4.07	4.37	4.37	4.37	4.37
		S/T	0.74	0.83	1.00	1.00	0.58	0.68	0.76	0.99	0.51	0.60	0.69	0.77	0.34	0.43	0.51	0.60
		PI	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
	5	TC	3.76	3.76	3.79	3.82	3.95	3.95	3.95	3.95	4.06	4.06	4.06	4.06	4.36	4.36	4.36	4.36
		S/T	0.74	0.84	1.00	1.00	0.58	0.68	0.77	1.00	0.51	0.60	0.69	0.78	0.34	0.43	0.51	0.60
		PI	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.84	0.84	0.84	0.84
	10	TC	3.73	3.73	3.76	3.79	3.93	3.93	3.93	3.93	4.04	4.04	4.04	4.04	4.35	4.35	4.35	4.35
		S/T	0.74	0.84	1.00	1.00	0.58	0.68	0.77	1.00	0.51	0.60	0.69	0.78	0.35	0.44	0.51	0.60
		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	0.86	0.86	0.86	0.86
	15	TC	3.70	3.70	3.73	3.76	3.90	3.90	3.90	3.90	4.02	4.02	4.02	4.02	4.33	4.33	4.33	4.33
		S/T	0.75	0.85	0.94	1.00	0.59	0.69	0.78	0.88	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.61
		PI	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	0.87	0.87
	20	TC	3.66	3.66	3.69	3.72	3.86	3.86	3.86	3.86	3.98	3.98	3.98	3.98	4.30	4.30	4.30	4.30
		S/T	0.75	0.85	0.94	1.00	0.59	0.69	0.78	0.88	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.61
		PI	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90
	25	TC	3.49	3.49	3.52	3.55	3.69	3.69	3.69	3.72	3.81	3.81	3.81	3.81	4.09	4.09	4.09	4.09
		S/T	0.76	0.86	0.96	1.00	0.60	0.70	0.80	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.62
		PI	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
	30	TC	3.32	3.32	3.34	3.37	3.55	3.55	3.55	3.57	3.63	3.63	3.63	3.63	3.92	3.92	3.92	3.92
		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	1.11	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
	35	TC	3.14	3.17	3.20	3.23	3.37	3.37	3.37	3.40	3.46	3.46	3.52	3.46	3.75	3.75	3.75	3.75
		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	0.63
		PI	1.20	1.20	1.20	1.20	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.22	1.22	1.22	1.22
	40	TC	2.92	2.95	2.98	3.01	3.14	3.14	3.14	3.17	3.22	3.22	3.25	3.24	3.50	3.50	3.50	3.50
		S/T	0.80	0.94	1.00	1.00	0.63	0.75	0.86	0.98	0.54	0.65	0.77	0.88	0.34	0.44	0.55	0.90
		PI	1.33	1.33	1.33	1.33	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.35	1.35	1.35	1.35
	46	TC	2.71	2.73	2.76	2.79	2.90	2.90	2.90	2.93	2.99	2.99	2.99	3.02	3.25	3.25	3.25	3.25
		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	0.92
		PI	1.48	1.48	1.48	1.48	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.50	1.50	1.50	1.50
	50	TC	2.56	2.59	2.62	2.65	2.73	2.73	2.76	2.79	2.82	2.82	2.82	2.85	3.05	3.05	3.05	3.05
		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	0.97
		PI	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.62	1.62	1.62	1.62	1.63	1.63	1.63	1.63

TC : Total Cooling Capacity (kW), S/T : Sensible Cooling Capacity Ratio, PI : Power Input(kW)

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

5. Capacity Tables

AR40H18C1AM*																		
INDOOR	OUTDOOR	ID WB (℃)	16.0				18.0				19.0				22.0			
AIRFLOW (CMH)	DB(℃)	ID DB (℃)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
540	-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	0.67	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	1.03	1.03	1.03	1.03	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
	-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	0.67	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	1.02	1.03	1.03	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
	-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	0.67	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	1.02	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
	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	0.68	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	1.02	1.03	1.03	1.03	1.02	1.02	1.02	1.02	1.03	1.03	1.03	1.03	1.02	1.02	1.02	1.02
	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	0.68	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	1.03	1.04	1.04	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
	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	0.68	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	1.05	1.06	1.06	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.04	1.04	1.04	1.04
	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	0.69	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	1.08	1.08	1.08	1.08	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
	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	0.69	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	1.11	1.12	1.12	1.12	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10
	25	TC	4.99	4.99	4.99	5.04	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	0.69	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	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
	30	TC	4.76	4.76	4.76	4.81	5.07	5.07	5.07	5.07	5.22	5.22	5.22	5.22	5.62	5.62	5.62	5.62
		S/T	0.70	0.78	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	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
	35	TC	4.53	4.53	4.53	4.59	4.81	4.81	4.81	4.81	4.96	4.96	5.04	4.96	5.36	5.36	5.36	5.36
		S/T	0.71	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	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.48	1.48	1.48	1.48	1.49	1.49	1.49	1.49
	40	TC	4.28	4.28	4.29	4.34	4.55	4.55	4.55	4.55	4.70	4.70	4.74	4.70	5.07	5.07	5.07	5.07
		S/T	0.72	0.81	0.89	0.98	0.58	0.66	0.75	0.83	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.63	1.63	1.63	1.63	1.64	1.64	1.64	1.64
	46	TC	3.97	3.97	4.00	4.02	4.22	4.22	4.22	4.22	4.37	4.37	4.37	4.37	4.71	4.71	4.71	4.71
		S/T	0.73	0.82	0.91	1.00	0.58	0.67	0.76	0.84	0.52	0.60	0.68	0.76	0.36	0.44	0.51	0.59
		PI	1.80	1.80	1.80	1.80	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.83	1.83	1.83	1.83
	50	TC	3.71	3.71	3.74	3.77	3.97	3.97	3.97	3.97	4.11	4.11	4.11	4.11	4.45	4.45	4.45	4.45
		S/T	0.74	0.84	0.94	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	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98
680	-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	0.70	0.77	0.98	1.00	0.56	0.64	0.71	0.79	0.49	0.57	0.65	0.72	0.35	0.42	0.49	0.56
		PI	1.05	1.05	1.05	1.05	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
	-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	40.00	6.40	6.40	6.40
		S/T	0.70	0.78	0.99	1.00	0.56	0.64	0.72	0.80	0.49	0.57	0.65	0.73	0.35	0.43	0.49	0.56
		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	1.05	1.05	1.05	1.05
	-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	0.70	0.78	0.99	1.00	0.57	0.64	0.72	0.80	0.50	0.58	0.65	0.73	0.35	0.43	0.50	0.57
		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	1.05	1.05	1.05	1.05
	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	0.71	0.78	1.00	1.00	0.57	0.65	0.73	0.80	0.50	0.58	0.66	0.74	0.35	0.43	0.50	0.57
		PI	1.05	1.05	1.05	1.05	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.05	1.05	1.05	1.05
	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	0.71	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	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.06	1.06	1.06	1.06
	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	0.71	0.79	1.00	1.00	0.57	0.65	0.73	0.81	0.50	0.58	0.66	0.74	0.36	0.44	0.50	0.57
		PI	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	1.07	1.07	1.07
	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	0.72	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	1.10	1.10	1.10	1.10	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
	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	0.72	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	1.14	1.14	1.14	1.14	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
	25	TC	5.10	5.10	5.16	5.22	5.42	5.42	5.42	5.42	5.59	5.59	5.59	5.59	6.02	6.02	6.02	6.02
		S/T	0.73	0.82	0.90	0.98	0.58	0.67	0.75	0.83	0.52	0.60	0.68	0.76	0.36	0.44	0.51	0.59
		PI	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	30	TC	4.87	4.87	4.93	4.99	5.19	5.19	5.19	5.19	5.33	5.33	5.33	5.33	5.76	5.76	5.76	5.76
		S/T	0.74	0.83	0.92	1.00	0.59	0.67	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.52	0.59
		PI	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.38	1.38	1.38	1.38
	35	TC	4.62	4.62	4.67	4.73	4.93	4.93	4.93	4.93	5.07	5.07	5.16	5.07	5.48	5.48	5.48	5.48
		S/T	0.75	0.85	0.94	1.00	0.59	0.68	0.78	0.87	0.52	0.61	0.69	0.79	0.35	0.44	0.52	0.60
		PI	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
	40	TC	4.29	4.30	4.34	4.39	4.57	4.57	4.57	4.60	4.71	4.71	4.76	4.71	5.09	5.09	5.09	5.09
		S/T	0.77	0.88	0.98	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.66	1.66	1.66	1.66	1.67	1.67	1.67	1.67
	46	TC	3.98	4.01	4.03	4.06	4.23	4.23	4.23	4.29	4.37	4.37	4.37	4.37	4.74	4.74	4.74	4.74
		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	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.85	1.85	1.85	1.85	1.86	1.86	1.86	1.86
	50	TC	3.72	3.75	3.78	3.81	3.98	3.98	3.98	4.01	4.12	4.12	4.12	4.12	4.46	4.46	4.46	4.46
		S/T	0.80	0.92	1.00	1.00	0.62	0.73	0.84	0.95	0.53	0.64	0.75	0.86	0.34	0.44	0.54	0.91
		PI	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.02

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.

5. Capacity Tables

AR40H18C1AM*																		
INDOOR	OUTDOOR	ID WB (℃)	16.0				18.0				19.0				22.0			
AIRFLOW(CMH)	DB(℃)	ID DB (℃)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
840	-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	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.98	0.50	0.60	0.69	0.77	0.34	0.42	0.50	0.59
		PI	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
	-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	0.74	0.83	1.00	1.00	0.58	0.67	0.77	0.98	0.50	0.60	0.69	0.78	0.34	0.43	0.50	0.59
		PI	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	5.67	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	0.74	0.84	1.00	1.00	0.59	0.67	0.77	0.99	0.51	0.60	0.69	0.78	0.34	0.43	0.51	0.59
		PI	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
	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	0.74	0.84	1.00	1.00	0.59	0.68	0.77	0.99	0.51	0.61	0.70	0.78	0.34	0.43	0.51	0.60
		PI	1.06	1.06	1.06	1.06	1.07	1.07	1.07	1.07	1.06	1.06	1.06	1.06	1.07	1.07	1.07	1.07
	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	0.75	0.85	1.00	1.00	0.59	0.68	0.78	1.00	0.51	0.61	0.70	0.79	0.34	0.43	0.51	0.60
		PI	1.07	1.07	1.07	1.07	1.08	1.08	1.08	1.08	1.07	1.07	1.07	1.07	1.08	1.08	1.08	1.08
	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	0.75	0.85	1.00	1.00	0.59	0.68	0.78	1.00	0.51	0.61	0.70	0.79	0.35	0.44	0.51	0.60
		PI	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
	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	0.76	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	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
	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	0.76	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	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
	25	TC	5.22	5.22	5.28	5.33	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	0.77	0.88	0.98	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	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	4.99	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	0.78	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	0.54	0.63
		PI	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.41	1.41	1.41	1.41
	35	TC	4.73	4.79	4.85	4.90	5.05	5.05	5.05	5.10	5.19	5.19	5.28	5.19	5.59	5.59	5.59	5.59
		S/T	0.80	0.91	1.00	1.00	0.62	0.73	0.84	0.94	0.53	0.64	0.74	0.86	0.34	0.44	0.54	0.64
		PI	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.54	1.54	1.54	1.54	1.55	1.55	1.55	1.55
	40	TC	4.39	4.43	4.47	4.52	4.68	4.68	4.71	4.77	4.82	4.82	4.87	4.85	5.21	5.21	5.21	5.21
		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	0.45	0.55	0.90
		PI	1.68	1.68	1.68	1.68	1.69	1.69	1.69	1.69	1.70	1.70	1.70	1.70	1.71	1.71	1.71	1.71
	46	TC	4.06	4.09	4.12	4.15	4.35	4.35	4.40	4.46	4.49	4.49	4.49	4.54	4.85	4.85	4.85	4.85
		S/T	0.84	0.97	1.00	1.00	0.64	0.77	0.89	1.00	0.55	0.67	0.79	0.91	0.33	0.45	0.56	0.92
		PI	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90
	50	TC	3.80	3.84	3.87	3.89	4.06	4.06	4.09	4.12	4.20	4.20	4.20	4.23	4.57	4.57	4.57	4.57
		S/T	0.87	1.00	1.00	1.00	0.65	0.79	0.92	1.00	0.55	0.68	0.82	0.95	0.33	0.45	0.57	0.97
		PI	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.06

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.

5. Capacity Tables

AR40H24C1AM*																			
INDOOR AIRFLOW(CMH)	OUTDOOR DB(℃)	ID WB (℃)	16.0				18.0				19.0				22.0			
		ID DB (℃)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
662	-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	0.66	0.71	0.78	0.84	0.55	0.61	0.67	0.72	0.50	0.55	0.61	0.67	0.38	0.43	0.48	0.53
		PI	1.57	1.56	1.56	1.57	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.55	1.55	1.55	1.55
	-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	0.66	0.72	0.79	0.84	0.55	0.61	0.67	0.73	0.50	0.55	0.61	0.67	0.38	0.44	0.49	0.53
		PI	1.56	1.56	1.56	1.56	1.55	1.55	1.55	1.55	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56
	-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	0.66	0.72	0.79	0.85	0.56	0.61	0.67	0.73	0.51	0.56	0.61	0.67	0.38	0.44	0.49	0.54
		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
	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	0.67	0.73	0.79	0.85	0.56	0.62	0.68	0.74	0.51	0.56	0.62	0.68	0.38	0.44	0.49	0.54
		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
	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	0.67	0.73	0.80	0.86	0.56	0.62	0.68	0.74	0.51	0.56	0.62	0.68	0.38	0.44	0.49	0.54
		PI	1.58	1.57	1.57	1.58	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57
	10	TC	7.15	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	0.67	0.73	0.80	0.86	0.56	0.62	0.68	0.74	0.51	0.56	0.62	0.68	0.39	0.45	0.50	0.54
		PI	1.60	1.60	1.60	1.60	1.59	1.59	1.59	1.59	1.60	1.60	1.60	1.60	1.59	1.59	1.59	1.59
	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	0.68	0.74	0.81	0.87	0.57	0.62	0.69	0.75	0.52	0.57	0.63	0.69	0.39	0.45	0.50	0.55
		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	1.63	1.63	1.63	1.63
	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	0.68	0.74	0.81	0.87	0.57	0.63	0.69	0.75	0.52	0.57	0.63	0.69	0.39	0.45	0.50	0.55
		PI	1.70	1.70	1.70	1.70	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.68	1.68	1.68	1.68
	25	TC	6.69	6.69	6.69	6.69	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	0.68	0.75	0.82	0.88	0.57	0.63	0.69	0.76	0.51	0.57	0.63	0.70	0.39	0.44	0.50	0.56
		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
	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	0.69	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	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06
	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	0.77	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	2.24	2.24	2.24	2.24	2.25	2.25	2.25	2.25	2.26	2.26	2.26	2.26	2.27	2.27	2.27	2.27
	40	TC	5.71	5.71	5.71	5.77	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	0.71	0.79	0.87	0.95	0.57	0.65	0.73	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.50	0.57
		PI	2.46	2.46	2.46	2.46	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.50	2.50	2.50	2.50
	46	TC	5.29	5.29	5.29	5.35	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	0.72	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	2.74	2.74	2.74	2.74	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.79	2.79	2.79	2.79
	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	0.73	0.82	0.90	0.99	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	2.98	2.98	2.98	2.98	2.99	2.99	2.99	2.99	3.00	3.00	3.00	3.00	3.02	3.02	3.02	3.02
817	-15	TC	7.50	7.50	7.50	7.56	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	0.68	0.75	0.98	1.00	0.55	0.62	0.70	0.76	0.49	0.56	0.63	0.70	0.36	0.42	0.48	0.55
		PI	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
	-10	TC	7.45	7.45	7.45	7.51	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	0.68	0.76	0.99	1.00	0.55	0.62	0.70	0.77	0.49	0.56	0.63	0.70	0.36	0.43	0.49	0.55
		PI	1.58	1.58	158.00	1.58	1.59	1.59	1.59	1.59	1.58	1.58	1.58	1.58	1.59	1.59	1.59	1.59
	-5	TC	7.41	7.41	7.41	7.47	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	0.68	0.76	0.99	1.00	0.56	0.62	0.70	0.77	0.50	0.57	0.63	0.70	0.36	0.43	0.49	0.56
		PI	1.58	1.58	1.58	1.58	1.59	1.59	1.59	1.59	1.58	1.58	1.58	1.58	1.59	1.59	1.59	1.59
	0	TC	7.37	7.37	7.37	7.43	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	0.69	0.70	1.00	1.00	0.56	0.63	0.71	0.77	0.50	0.57	0.64	0.71	0.36	0.43	0.49	0.56
		PI	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
	5	TC	7.33	7.33	7.33	7.39	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	0.69	0.77	1.00	1.00	0.56	0.63	0.71	0.78	0.50	0.57	0.64	0.71	0.36	0.43	0.49	0.56
		PI	1.60	1.60	1.60	1.60	1.61	1.61	1.61	1.61	1.60	1.60	1.60	1.60	1.61	1.61	1.61	1.61
	10	TC	7.29	7.29	7.29	7.35	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	0.69	0.77	1.00	1.00	0.56	0.63	0.71	0.78	0.50	0.57	0.64	0.71	0.37	0.44	0.50	0.56
		PI	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
	15	TC	7.23	7.23	7.23	7.29	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	0.70	0.78	0.85	0.93	0.57	0.64	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.66	1.66	1.66	1.66	1.67	1.67	1.67	1.67
	20	TC	7.15	7.15	7.15	7.21	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	0.70	0.78	0.85	0.93	0.57	0.64	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72
	25	TC	6.83	6.83	6.83	6.89	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	0.71	0.79	0.87	0.94	0.57	0.65	0.73	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.50	0.57
		PI	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
	30	TC	6.52	6.52	6.52	6.57	6.92	6.92	6.92	6.92	7.12	7.12	7.12	7.12	7.69	7.69	7.69	7.69
		S/T	0.72	0.80	0.88	0.96	0.58	0.66	0.74	0.81	0.51	0.59	0.67	0.74	0.37	0.44	0.51	0.58
		PI	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
	35	TC	6.17	6.17	6.23	6.29	6.57	6.57	6.57	6.57	6.78	6.78	6.89	6.78	7.32	7.32	7.32	7.32
		S/T	0.72	0.81	0.90	0.98	0.58	0.66	0.75	0.83	0.51	0.60	0.67	0.76	0.36	0.44	0.51	0.59
		PI	2.29	2.29	2.29	2.29	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
	40	TC	5.83	5.83	5.89	5.94	6.21	6.21	6.21	6.21	6.41	6.41	6.47	6.41	6.93	6.93	6.93	6.93
		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	0.35	0.44	0.52	0.60
		PI	2.53	2.53	2.53	2.53	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.55	2.55	2.55	2.55
	46	TC	5.41	5.41	5.46	5.52	5.75	5.75	5.75	5.75	5.95	5.95	5.95	5.95	6.44	6.44	6.44	6.44
		S/T	0.75	0.86	0.95	1.00	0.59	0.69	0.79	0.88	0.52	0.61	0.70	0.80	0.35	0.44	0.52	0.61
		PI	2.81	2.81	2.81	2.81	2.82	2.82	2.82	2.82	2.83	2.83	2.83	2.83	2.85	2.85	2.85	2.85
	50	TC	5.06	5.06	5.12	5.18	5.41	5.41	5.41	5.46	5.61	5.61	5.61	5.61	6.07	6.07	6.07	6.07
		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	0.91
		PI	3.04	3.04	3.04	3.04	3.06	3.06	3.06	3.06	3.07	3.07	3.07	3.07	3.09	3.09	3.09	3.09

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.

5. Capacity Tables

AR40H24C1AM*																		
INDOOR	OUTDOOR	ID WB (℃)	16.0				18.0				19.0				22.0			
AIRFLOW(CMH)	DB(℃)	ID DB (℃)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
980	-15	TC	7.68	7.68	7.77	7.86	8.06	8.06	8.06	8.06	8.26	8.26	8.26	8.26	8.79	8.79	8.79	8.79
		S/T	0.70	0.79	1.00	1.00	0.56	0.65	0.72	0.98	0.50	0.58	0.66	0.73	0.35	0.42	0.49	0.57
		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
	-10	TC	7.63	7.63	7.72	7.81	8.02	8.02	8.02	8.02	8.22	8.22	8.22	8.22	8.76	8.76	8.76	8.76
		S/T	0.71	0.80	1.00	1.00	0.56	0.65	0.73	0.98	0.50	0.58	0.66	0.74	0.35	0.43	0.49	0.57
		PI	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62
	-5	TC	7.59	7.59	7.68	7.77	7.99	7.99	7.99	7.99	8.19	8.19	8.19	8.19	8.73	8.73	8.73	8.73
		S/T	0.71	0.80	1.00	1.00	0.57	0.65	0.73	0.99	0.51	0.59	0.66	0.74	0.35	0.43	0.50	0.58
		PI	1.62	1.62	1.62	1.62	1.61	1.61	1.61	1.61	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62
	0	TC	7.55	7.55	7.64	7.73	7.96	7.96	7.96	7.96	8.17	8.17	8.17	8.17	8.73	8.73	8.73	8.73
		S/T	0.72	0.80	1.00	1.00	0.57	0.66	0.74	0.99	0.51	0.59	0.67	0.74	0.35	0.43	0.50	0.58
		PI	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.63	1.63	1.63	1.63
	5	TC	7.51	7.51	7.60	7.69	7.93	7.93	7.93	7.93	8.14	8.14	8.14	8.14	8.72	8.72	8.72	8.72
		S/T	0.72	0.81	1.00	1.00	0.57	0.66	0.74	1.00	0.51	0.59	0.67	0.75	0.35	0.43	0.50	0.58
		PI	1.64	1.64	1.64	1.64	1.63	1.63	1.63	1.63	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
	10	TC	7.47	7.47	7.55	7.64	7.89	7.89	7.89	7.89	8.11	8.11	8.11	8.11	8.70	8.70	8.70	8.70
		S/T	0.72	0.81	1.00	1.00	0.57	0.66	0.74	1.00	0.51	0.59	0.67	0.75	0.36	0.44	0.50	0.58
		PI	1.67	1.67	1.67	1.67	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
	15	TC	7.40	7.40	7.49	7.58	7.83	7.83	7.83	7.83	8.06	8.06	8.06	8.06	8.66	8.66	8.66	8.66
		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	1.71	1.71	1.71	1.71	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
	20	TC	7.32	7.32	7.41	7.49	7.75	7.75	7.75	7.75	7.98	7.98	7.98	7.98	8.58	8.58	8.58	8.58
		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	1.77	1.77	1.77	1.77	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.75	1.75	1.75	1.75
	25	TC	6.98	6.98	7.03	7.09	7.41	7.41	7.41	7.41	7.64	7.64	7.64	7.64	8.21	8.21	8.21	8.21
		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	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	94.00	1.94	1.94
	30	TC	6.63	6.63	6.69	6.75	7.06	7.06	7.06	7.06	7.29	7.29	7.29	7.29	7.84	7.84	7.84	7.84
		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	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.14	2.14	2.14	2.14	2.15	2.15	2.15	2.15
	35	TC	6.32	6.32	6.37	6.43	6.72	6.72	6.72	6.78	6.92	6.92	7.03	6.92	7.46	7.46	7.46	7.46
		S/T	0.76	0.86	0.96	1.00	0.60	0.70	0.79	0.89	0.52	0.62	0.71	0.81	0.35	0.44	0.53	0.61
		PI	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.34	2.34	2.34	2.34	2.35	2.35	2.35	2.35
	40	TC	5.96	5.99	6.04	6.10	6.35	6.35	6.35	6.41	6.54	6.54	6.60	6.54	7.07	7.07	7.07	7.07
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.83	0.93	0.53	0.63	0.74	0.84	0.34	0.44	0.54	0.90
		PI	2.57	2.57	2.57	2.57	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.61	2.61	2.61	2.61
	46	TC	5.52	5.58	5.64	5.69	5.89	5.89	5.89	5.95	6.07	6.07	6.07	6.07	6.58	6.58	6.58	6.58
		S/T	0.80	0.90	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	0.92
		PI	2.86	2.86	2.86	2.86	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.91	2.91	2.91	2.91
	50	TC	5.18	5.23	5.29	5.35	5.52	5.52	5.52	5.58	5.72	5.72	5.72	5.72	6.18	6.18	6.18	6.18
		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	0.97
		PI	3.10	3.10	3.10	3.10	3.12	3.12	3.12	3.12	3.13	3.13	3.13	3.13	3.15	3.15	3.15	3.15

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.

5. Capacity Tables

Heating

AR40H09C1AM* , AR40H09C1BM*									[SI_Unit]
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE|								
	OUTDOOR DB(℃)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB ℃)				Indoor Conditions (DB ℃)			
		23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
325	-15.0	2.55	2.53	2.53	2.53	0.86	0.90	0.80	0.88
	-10.0	2.73	2.70	2.70	2.70	0.92	0.96	0.94	0.94
	-7.0	2.86	2.83	2.83	2.83	0.98	1.02	1.00	1.00
	-5.6	2.80	2.77	2.77	2.77	0.96	0.96	0.97	0.97
	-2.8	2.77	2.74	2.71	2.71	0.91	0.91	0.91	0.92
	0.0	2.68	2.65	2.62	2.62	0.85	0.86	0.86	0.86
	2.8	2.68	2.65	2.65	2.62	0.81	0.81	0.81	0.81
	5.6	2.77	2.74	2.74	2.71	0.77	0.77	0.77	0.77
	7.0	2.87	2.84	2.84	2.81	0.75	0.72	0.74	0.74
	11.1	2.90	2.87	2.84	2.81	0.68	0.67	0.67	0.67
	13.9	2.90	2.87	2.84	2.81	0.63	0.62	0.62	0.61
	16.7	2.93	2.87	2.84	2.81	0.58	0.57	0.57	0.56
	18.0	2.93	2.87	2.84	2.81	0.56	0.55	0.54	0.54
360	-15.0	2.59	2.57	2.57	2.54	0.87	0.91	0.89	0.89
	-10.0	2.77	2.74	2.74	2.71	0.93	0.97	0.95	0.95
	-7.0	2.90	2.87	2.87	2.84	0.99	1.03	1.01	1.01
	-5.6	2.86	2.83	2.83	2.80	0.96	0.97	0.98	0.98
	-2.8	2.80	2.77	2.77	2.74	0.91	0.92	0.92	0.92
	0.0	2.74	2.71	2.68	2.65	0.86	0.86	0.87	0.87
	2.8	2.74	2.71	2.68	2.68	0.82	0.82	0.82	0.82
	5.6	2.83	2.80	2.77	2.77	0.77	0.77	0.77	0.77
	7.0	2.93	2.90	2.90	2.87	0.75	0.73	0.75	0.75
	11.1	2.96	2.93	2.90	2.87	0.68	0.67	0.67	0.67
	13.9	2.96	2.93	2.90	2.87	0.63	0.62	0.62	0.62
	16.7	2.99	2.93	2.90	2.90	0.58	0.57	0.57	0.56
	18.0	2.99	2.93	2.93	2.90	0.56	0.55	0.54	0.54
466	-15.0	2.58	2.58	2.55	2.55	0.88	0.92	0.90	0.90
	-10.0	2.75	2.75	2.73	2.73	0.94	0.98	0.96	0.96
	-7.0	2.89	2.89	2.86	2.86	1.00	1.04	1.02	1.02
	-5.6	2.86	2.86	2.83	2.83	0.97	0.98	0.99	0.99
	-2.8	2.83	2.80	2.77	2.77	0.92	0.93	0.93	0.93
	0.0	2.74	2.71	2.71	2.68	0.87	0.87	0.87	0.88
	2.8	2.77	2.74	2.71	2.68	0.82	0.83	0.83	0.83
	5.6	2.86	2.83	2.80	2.80	0.78	0.78	0.78	0.78
	7.0	2.96	2.93	2.93	2.90	0.76	0.73	0.75	0.75
	11.1	2.99	2.96	2.93	2.90	0.69	0.68	0.68	0.67
	13.9	3.02	2.96	2.93	2.93	0.64	0.63	0.62	0.62
	16.7	3.02	2.96	2.96	2.93	0.59	0.58	0.57	0.57
	18.0	3.02	2.99	2.96	2.93	0.57	0.55	0.55	0.54

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

5. Capacity Tables

AR40H09C1AM* , AR40H09C1BM*									[SI_Unit]
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE|								
	OUTDOOR DB(℃)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB ℃)				Indoor Conditions (DB ℃)			
		23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
314	-15.0	2.19	2.17	2.15	2.15	0.79	0.81	0.83	0.84
	-10.0	2.34	2.32	2.29	2.29	0.84	0.87	0.89	0.89
	-7.0	2.45	2.43	2.40	2.40	0.89	0.92	0.94	0.95
	-5.6	2.60	2.57	2.54	2.54	0.90	0.93	0.95	0.96
	-2.8	2.75	2.72	2.69	2.66	0.92	0.95	0.97	0.98
	0.0	2.83	2.80	2.77	2.77	0.94	0.97	0.99	1.00
	2.8	3.06	3.01	2.98	2.98	0.97	1.00	1.02	1.03
	5.6	3.38	3.32	3.29	3.29	1.00	1.03	1.05	1.06
	7.0	3.76	3.69	3.58	3.55	1.01	1.07	1.07	1.08
	11.1	3.96	3.93	3.90	3.87	1.05	1.08	1.10	1.12
	13.9	4.19	4.13	4.10	4.07	1.07	1.11	1.13	1.15
	16.7	4.39	4.33	4.30	4.28	1.09	1.13	1.15	1.17
	18.0	4.51	4.45	4.39	4.36	1.11	1.15	1.17	1.19
430	-15.0	2.24	2.22	2.19	2.19	0.80	0.82	0.84	0.85
	-10.0	2.39	2.37	2.34	2.34	0.85	0.88	0.89	0.90
	-7.0	2.51	2.48	2.45	2.45	0.90	0.93	0.95	0.96
	-5.6	2.66	2.63	2.60	2.60	0.91	0.94	0.96	0.97
	-2.8	2.80	2.77	2.75	2.72	0.93	0.96	0.98	0.99
	0.0	2.92	2.86	2.83	2.83	0.95	0.98	1.00	1.01
	2.8	3.12	3.09	3.06	3.03	0.97	1.01	1.03	1.04
	5.6	3.44	3.41	3.38	3.35	1.00	1.04	1.06	1.07
	7.0	3.81	3.78	3.66	3.64	1.02	1.08	1.07	1.09
	11.1	4.07	4.01	3.98	3.96	1.06	1.09	1.11	1.13
	13.9	4.28	4.22	4.19	4.16	1.08	1.12	1.14	1.15
	16.7	4.51	4.45	4.42	4.39	1.10	1.14	1.16	1.18
	18.0	4.00	4.54	4.51	4.48	1.11	1.15	1.17	1.19
540	-15.0	2.27	2.25	2.22	2.22	0.80	0.83	0.85	0.86
	-10.0	2.43	2.40	2.37	2.37	0.86	0.89	0.90	0.91
	-7.0	2.54	2.51	2.49	2.49	0.91	0.94	0.96	0.97
	-5.6	2.69	2.66	2.63	2.63	0.92	0.95	0.97	0.98
	-2.8	2.83	2.80	2.77	2.77	0.94	0.97	0.99	1.00
	0.0	2.95	2.89	2.89	2.86	0.96	0.99	1.01	1.02
	2.8	3.15	3.12	3.09	3.06	0.99	1.02	1.04	1.05
	5.6	3.47	3.44	3.41	3.38	1.01	1.05	1.07	1.09
	7.0	3.84	3.81	3.69	3.66	1.03	1.09	1.09	1.10
	11.1	4.10	4.04	4.01	3.98	1.07	1.10	1.12	1.14
	13.9	4.30	4.25	4.22	4.19	1.09	1.13	1.15	1.17
	16.7	4.54	4.48	4.45	4.39	1.11	1.15	1.17	1.19
	18.0	4.62	4.57	4.54	4.51	1.13	1.17	1.19	1.21

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

5. Capacity Tables

AR40H18C1AM*									[SI_Unit]
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE|								
	OUTDOOR DB(℃)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB ℃)				Indoor Conditions (DB ℃)			
		23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
540	-15.0	3.25	3.20	3.17	3.17	1.12	1.15	1.17	1.10
	-10.0	3.47	3.41	3.39	3.39	1.19	1.23	1.25	1.20
	-7.0	3.63	3.58	3.55	3.55	1.26	1.30	1.32	1.34
	-5.6	3.84	3.78	3.75	3.75	1.27	1.31	1.33	1.35
	-2.8	0.04	3.98	3.95	3.93	1.28	1.32	1.34	1.30
	0.0	4.19	4.13	4.10	4.07	1.30	1.34	1.36	1.38
	2.8	4.51	4.45	4.42	4.36	1.33	1.37	1.39	1.42
	5.6	4.97	4.91	4.89	4.83	1.36	1.41	1.43	1.45
	7.0	5.46	5.39	5.22	5.19	1.39	1.46	1.46	1.48
	11.1	5.80	5.71	5.68	5.66	1.43	1.47	1.50	1.52
	13.9	6.12	6.03	5.97	5.95	1.45	1.50	1.52	1.54
	16.7	6.41	6.32	6.29	6.24	1.47	1.52	1.55	1.57
	18.0	6.55	6.47	6.44	6.38	1.48	1.53	1.56	1.58
680	-15.0	0.32	3.28	3.28	3.25	1.13	1.16	1.18	1.19
	-10.0	3.55	3.50	3.50	3.47	1.21	1.24	1.26	1.27
	-7.0	3.72	3.66	3.66	3.64	1.28	1.32	1.33	1.35
	-5.6	3.93	3.87	3.87	3.84	1.28	1.32	1.34	1.36
	-2.8	4.13	4.07	4.04	4.01	1.30	1.34	1.36	1.38
	0.0	4.27	4.22	4.19	4.16	1.31	1.35	1.37	1.40
	2.8	4.59	4.54	4.51	4.48	1.34	1.38	1.41	1.43
	5.6	0.09	5.00	4.97	4.94	1.37	1.42	1.44	1.46
	7.0	5.61	5.51	5.34	5.31	1.40	1.47	1.47	0.49
	11.1	5.92	5.83	5.80	5.77	1.44	1.48	1.50	1.53
	13.9	6.24	6.15	6.12	6.06	1.46	1.51	1.53	1.55
	16.7	6.55	6.47	6.41	6.38	1.48	1.53	1.55	1.58
	18.0	6.70	6.61	6.55	6.53	1.49	1.54	1.57	1.59
840	-15.0	3.35	3.30	3.30	3.28	1.14	1.18	1.19	1.21
	-10.0	3.58	3.53	3.53	3.50	1.22	1.26	1.27	1.29
	-7.0	3.75	3.69	3.69	3.67	1.29	1.33	1.35	1.37
	-5.6	3.95	3.90	3.90	3.87	1.29	1.33	1.35	1.37
	-2.8	4.16	4.10	4.10	4.07	1.31	1.35	1.37	1.39
	0.0	4.33	4.27	4.25	4.22	1.32	1.37	1.39	1.41
	2.8	4.65	4.59	4.54	4.51	1.35	1.40	1.42	1.44
	5.6	5.15	5.06	5.03	5.00	0.38	1.43	1.45	1.47
	7.0	5.66	5.57	5.39	5.37	1.41	1.48	1.48	1.50
	11.1	5.97	5.92	5.86	5.83	1.44	1.49	1.51	1.54
	13.9	6.29	6.21	6.18	6.15	1.47	1.51	1.54	1.56
	16.7	6.61	6.53	6.50	6.44	1.49	1.54	1.56	1.58
	18.0	6.79	6.70	6.64	6.58	0.50	0.55	1.57	1.60

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

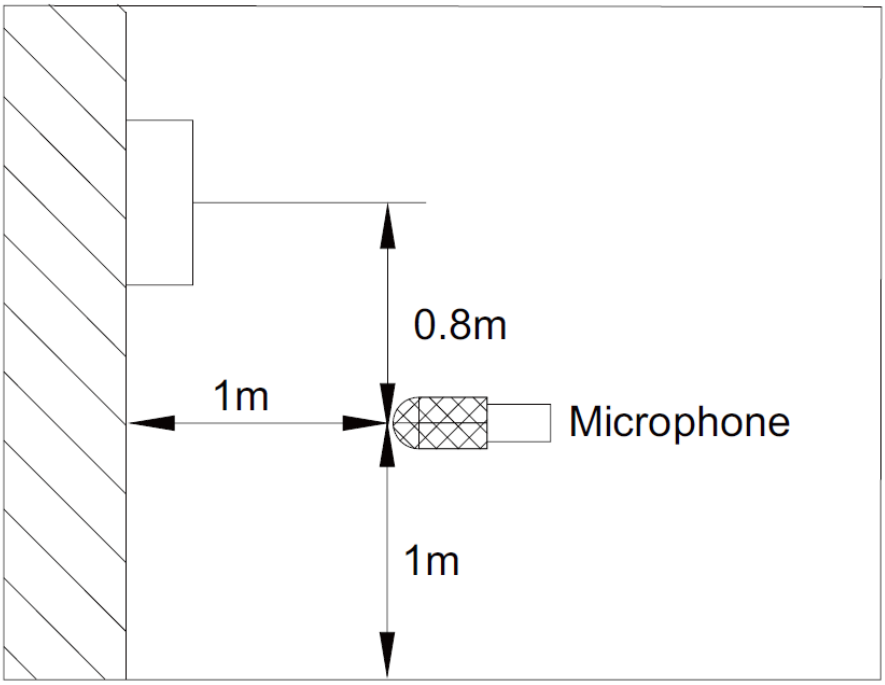
5. Capacity Tables

AR40H24C1AM*									[SI_Unit]
INDOOR AIRFLOW (CMH)	HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE|								
	OUTDOOR DB(℃)	TC:TOTAL CAPACITY IN KILOWATTS (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB ℃)				Indoor Conditions (DB ℃)			
		23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
662	-15.0	4.06	4.01	3.99	3.96	1.47	1.52	1.54	1.57
	-10.0	4.34	4.29	4.26	4.23	1.57	1.62	1.65	1.68
	-7.0	4.54	4.49	4.46	4.44	1.67	1.72	1.75	1.78
	-5.6	4.87	4.81	4.78	4.75	1.68	1.74	1.77	1.80
	-2.8	5.16	5.10	5.07	5.04	1.72	1.77	1.80	1.83
	0.0	5.39	5.33	5.27	5.24	1.75	1.81	1.84	1.87
	2.8	5.82	5.76	5.71	5.68	1.80	1.86	1.89	1.92
	5.6	6.49	6.40	6.37	6.31	1.85	1.92	1.95	1.98
	7.0	7.19	7.10	6.86	6.83	1.88	1.99	1.98	2.02
	11.1	7.65	7.56	7.50	7.44	1.95	2.02	2.05	2.07
	13.9	8.10	7.99	7.94	7.88	1.99	2.06	2.09	2.12
	16.7	0.54	8.43	8.37	8.31	2.03	2.09	2.13	2.10
	18.0	8.75	8.63	8.57	8.51	2.05	2.20	2.15	2.19
817	-15.0	4.14	4.09	4.07	4.05	1.49	1.54	1.56	1.59
	-10.0	4.42	4.37	4.35	4.32	1.59	1.64	1.67	1.69
	-7.0	4.63	4.58	4.55	4.53	1.69	1.74	1.77	1.80
	-5.6	4.95	4.89	4.87	4.84	1.70	1.76	1.79	1.82
	-2.8	5.27	5.18	5.16	5.13	1.74	1.79	1.82	1.85
	0.0	5.50	5.42	5.39	5.36	1.77	1.83	1.86	0.89
	2.8	5.97	5.88	5.82	5.79	1.82	1.89	1.92	1.95
	5.6	6.63	6.55	6.49	6.43	1.88	1.94	1.97	2.01
	7.0	7.34	7.24	7.01	6.95	1.91	2.01	2.01	2.04
	11.1	7.82	7.70	7.67	7.62	1.97	2.04	2.07	2.10
	13.9	8.25	8.17	8.11	8.05	2.02	2.08	2.11	2.15
	16.7	8.72	8.60	8.54	8.49	2.06	2.12	2.16	2.20
	18.0	8.95	8.80	8.75	8.69	2.07	2.14	2.18	2.22
980	-15.0	4.19	4.14	4.12	4.00	1.51	1.55	1.59	1.61
	-10.0	4.48	4.42	4.40	4.37	1.61	1.66	1.69	1.71
	-7.0	4.69	4.63	4.61	4.58	1.71	1.76	1.80	1.82
	-5.6	5.01	4.95	4.92	4.89	1.72	1.78	1.81	1.84
	-2.8	5.33	5.27	5.21	5.18	1.76	1.82	1.85	1.88
	0.0	5.56	5.50	5.44	5.42	1.79	1.85	1.88	1.91
	2.8	6.02	5.94	5.91	5.85	1.84	1.91	1.94	1.97
	5.6	6.69	6.60	6.57	6.52	1.90	1.96	2.00	2.03
	7.0	7.42	7.33	7.10	7.04	1.93	2.04	2.03	2.06
	11.1	7.91	7.79	7.76	7.70	2.00	2.06	2.09	2.13
	13.9	8.37	8.25	8.20	8.14	2.04	2.10	2.14	2.18
	16.7	8.83	8.72	8.66	8.60	2.07	2.15	2.19	2.22
	18.0	9.04	8.92	8.86	8.80	2.10	2.17	2.21	2.25

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

6. Noise Criterion Curves

Indoor Unit



Notes:

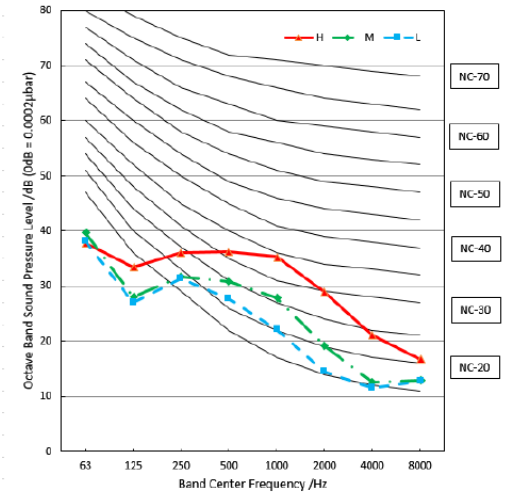
- Sound measured at 1.0m away from the center of the unit.
- Data is valid at free field condition
- Data is valid at nominal operation condition
- Reference acoustic pressure OdB = 20μPa
- Sound level will vary depending on a range of factors such as the construction

  (acoustic absorption coefficient) of particular room in which the equipment is installed.
- The operating conditions are assumed to be standard.

6. Noise Criterion Curves

AR40H09C1AMNEU

AR40H09C1BMNEU



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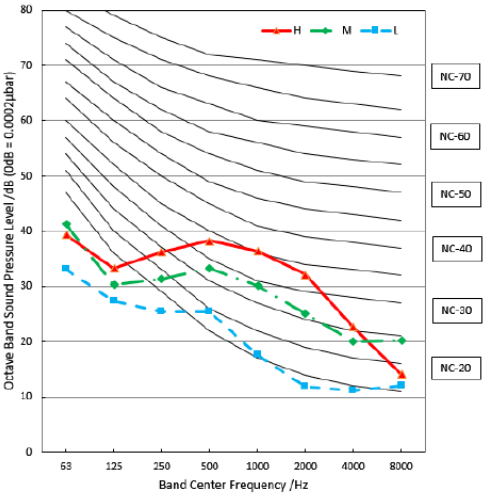

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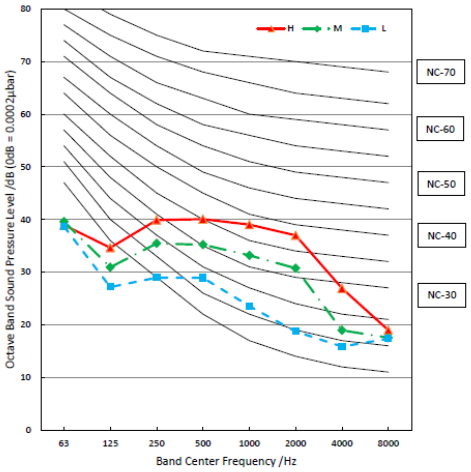

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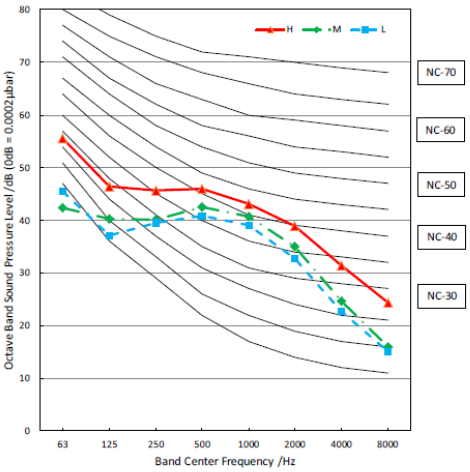
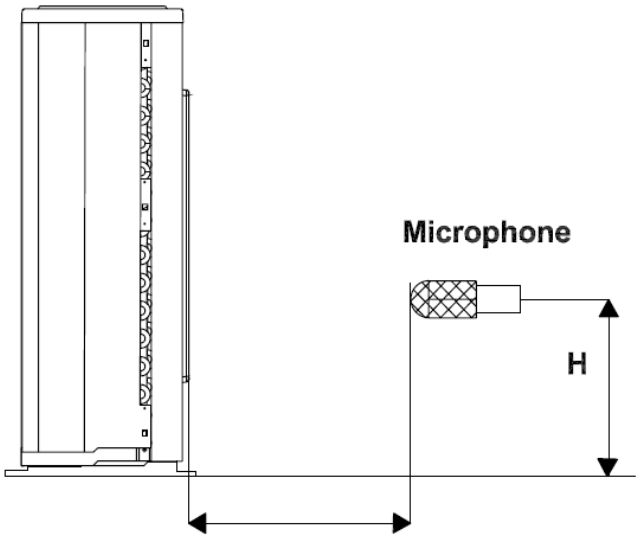


6. Noise Criterion Curves

Outdoor Unit



1.0 m

[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

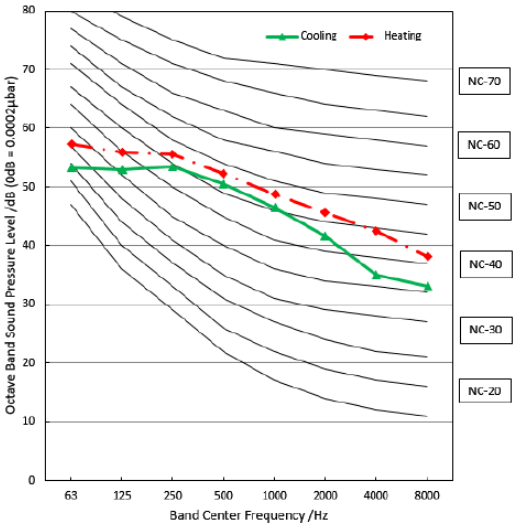
-Sound level will vary depending on arrange off actors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.

-The operating conditions are assumed to be standard.

6. Noise Criterion Curves

AR40H09C1AMXEU

AR40H09C1BMXEU



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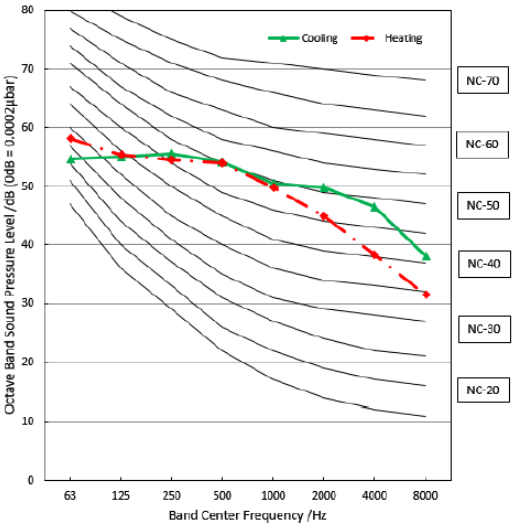

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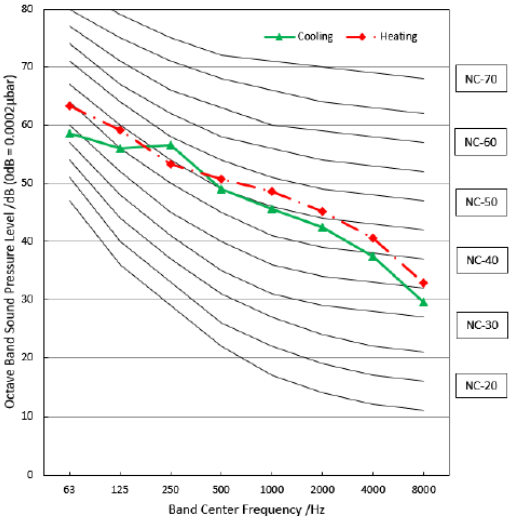

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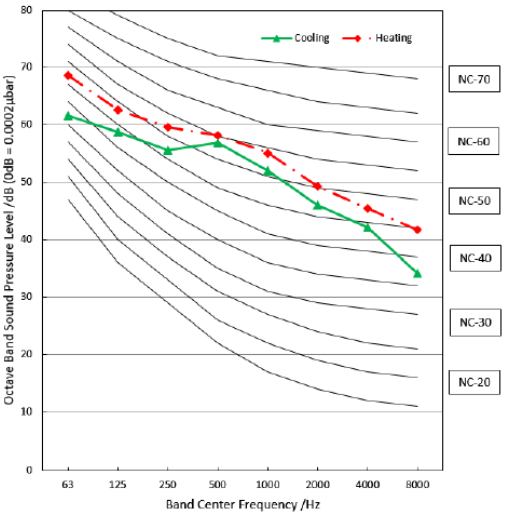

7. Electrical Characteristics

Model	Indoor Unit			Power Supply		IFM	
	Phase	Hz	Voltage	MCA	MOP	W	FLA
AR40H09C1AMNEU AR40H09C1BMNEU	1	50	220 ~ 240	/	/	13	0.17
AR40H12C1AMNEU AR40H12C1BMNEU				/	/	13	0.17
AR40H18C1AMNEU				/	/	36	0.11
AR40H24C1AMNEU				/	/	58	0.206

Model	Indoor Unit			Power Supply			Compressor		OFM		
	Phase	Hz	Voltage	MCA	MOP	MFA	MSC	RLA	Qty	W	FLA
AR40H09C1AMNEU AR40H09C1BMNEU	1	50	220 ~ 240	8.6	14.26	20	/	5.65	1	34	0.55
AR40H12C1AMNEU AR40H12C1BMNEU				8.6	14.26	20	/	5.65	1	34	0.55
AR40H18C1AMNEU				10.2	17.66	20	/	7.5	1	34	0.39
AR40H24C1AMNEU				12.75	22.15	25	/	9.4	1	50	0.5

Notes:

MCA: Minimum Circuit Amperes (A)

MOP: Maximum rating over current protective device

MFA: Maximum Fuse Amperes (A)

MSC: Maximum Starting Current

RLA: Rated Load Amperes (A)

IFM: Indoor Fan Motor

OFM: Outdoor Fan Motor

FLA: Full Load Amperes (A)

2026. 01

Ver. 1.0

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