

Technical Manual

ACSON[®]
International
Air Conditioners

CEILING CONCEALED C SERIES

A5CC-C Series



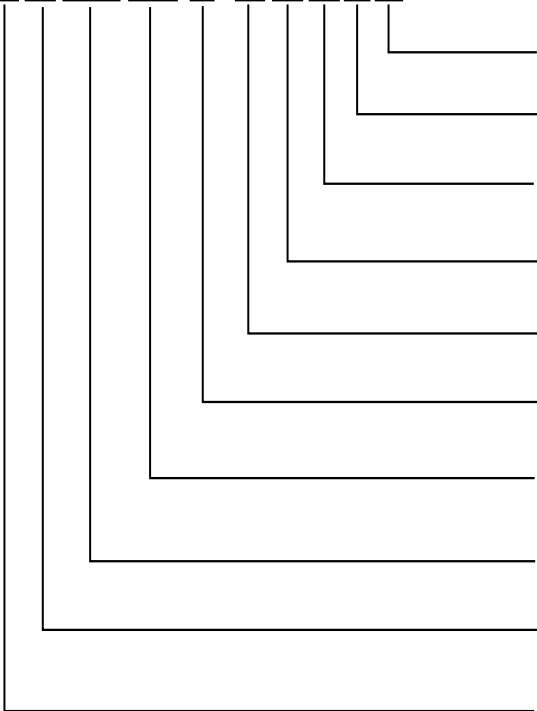
Table of Contents

Nomenclature	1
Indoor	1
Outdoor.....	1
Product Line-Up.....	2
Application Information	5
Operating Range	5
Refrigerant Circuit Diagrams	6
Installation Guideline	8
Sound Data	11
Sound Pressure Level	11
NC Curve.....	13
Selection Process	19
Engineering & Physical Data	31
Performance Data	36
Calculation Steps.....	36
Performance Tables.....	39
Outlines & Dimensions	53
Wiring Diagrams	57
Service & Maintenance	63
Troubleshooting	65

Nomenclature

Indoor

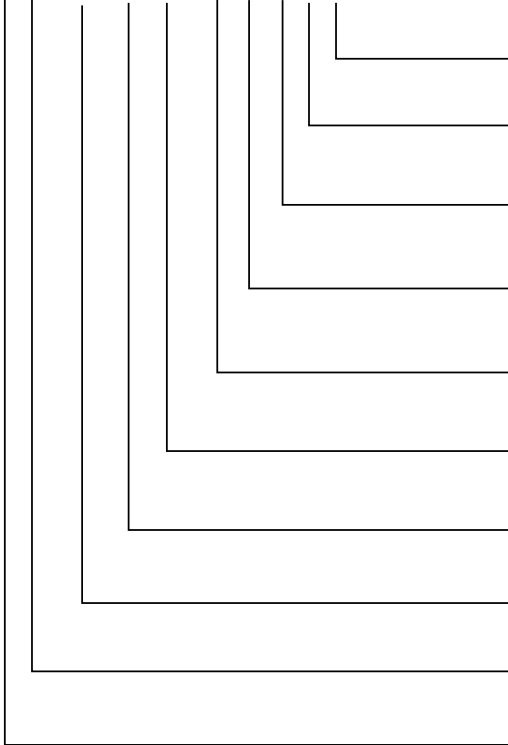
A 5 CC 10 C - A M T B B



- Revision**
B: Revision B
- Specification**
B: Medium Static
L: Low Static
- Handset**
T: Wired Handset
- Factory Origin**
M: Malaysia
- Power Supply**
A: 220-240 / 1 Phase / 50Hz
- Series:**
C: C series
- Capacity***
10: 10,000 Btu/hr
- Model**
CC: Ceiling Concealed
- Refrigerant**
5: R410A
- Brand**
A: ACSON

Outdoor

A 5 LC10 F - A M H O B



- Revision**
B: Revision B
- Fin Type**
O: Bare Fin
I: Gold Fin
- Compressor Brand**
H: Highly
- Factory Origin**
M: Malaysia
- Power Supply**
A: 220-240 / 1 Phase / 50Hz
F: 380-415 / 3 Phase / 50Hz
- Product Series**
F: F series
- Capacity***
10: 10,000 Btu/hr
- Model**
LC: Outdoor Condensing Unit
- Refrigerant**
5: R410A
- Brand**
A: ACSON

Remark:

*: Capacity value under Nomenclature is an indication.
Please refer to Engineering and Physical Data for exact capacity value.

Product Line-Up

**Indoor Unit
A5CC-C (Medium Static)**

Nomenclature		Classification							
		Handset		PCB	Fin	Refrigerant Control		Air Purification	Others
		Wired handset (SLM9)	Without handset	L208A EC	Hydrophilic Coated (Blue)	Cap Tube	Without Cap Tube	Saranet Filter (Optional)	Built-in Filter Rail
COOLING	A5CC10C-AMTBB	X		X	X		X		
	A5CC15C-AMTBB	X		X	X		X		
	A5CC20C-AMTBB	X		X	X		X		
	A5CC25C-AMTBB	X		X	X		X		
	A5CC30C-AMTBA	X		X	X		X		X
	A5CC40C-AMTBA	X		X	X		X		X
	A5CC50C-AMTBB	X		X	X		X		X
	A5CC60C-AMTBB	X		X	X		X		X

A5CC-C (Low Static)

Nomenclature		Classification							
		Controller		PCB	Fin	Refrigerant Control		Air Purification	Others
		Wired handset (SLM9)	Without handset	L208A EC	Hydrophilic Coated (Blue)	Cap Tube	Without Cap Tube	Saranet Filter (Optional)	Built-in Filter Rail
COOLING	A5CC10C-AMTLA	X		X	X		X		
	A5CC15C-AMTLA	X		X	X		X		
	A5CC20C-AMTLA	X		X	X		X		
	A5CC25C-AMTLA	X		X	X		X		

**Outdoor Unit
A5LC**

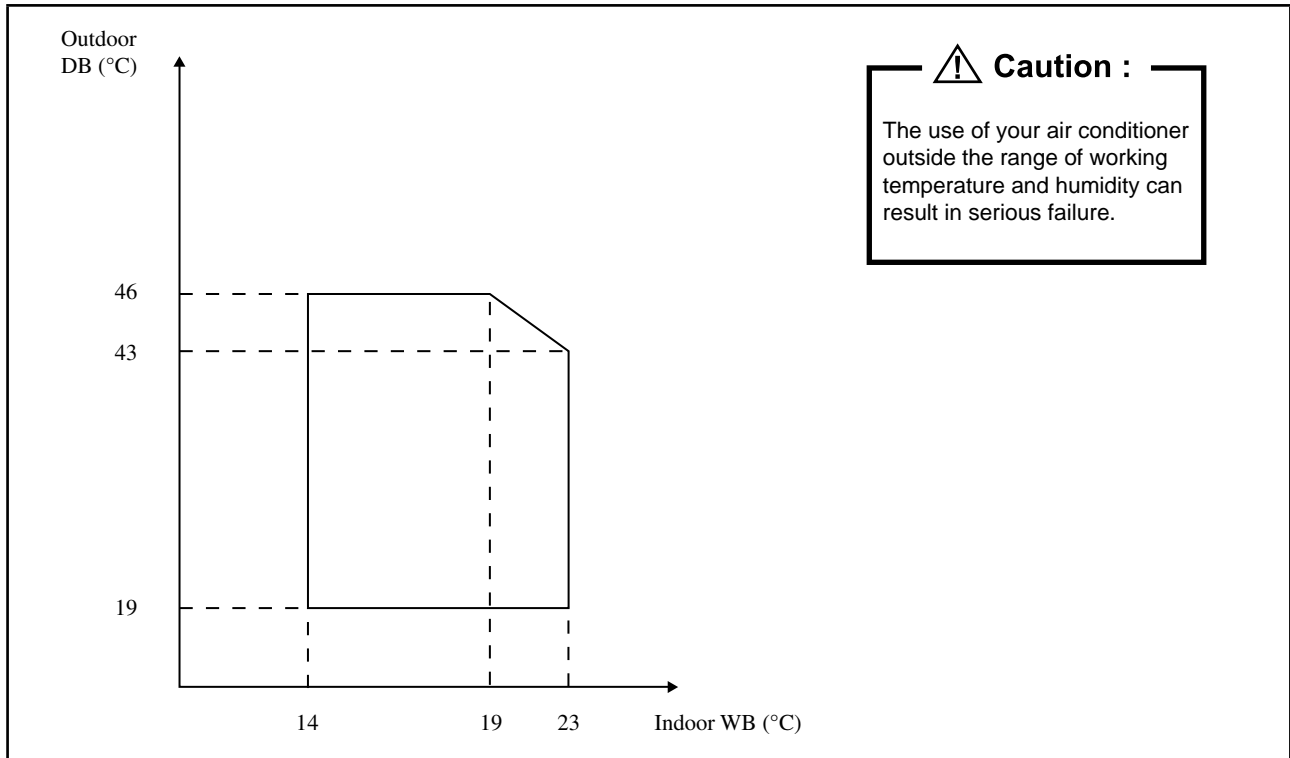
Nomenclature	Classification									
	Refrigerant Control		Fin		Safety Device			Compressor		
	Cap Tube	Without Cap Tube	Hydrophilic Coated (Gold)	Bare Aluminium	Contact	High Pressure Switch	Low Pressure Switch	Phase Sequencer	Rotary	Scroll
A5LC10F-AMHOB	X			X					X	
A5LC15F-AMROB	X			X					X	
A5LC20C-AMPOG	X			X					X	
A5LC25C-AMPOG	X			X					X	
A5LC28C-AMPOB	X			X					X	
A5LC30C-AMPOA	X			X					X	
A5LC35D-AMPOA	X			X	X	X			X	
A5LC40D-FMCOB	X			X		X	X			X
A5LC50D-FMCOB	X			X		X	X			X
A5LC61D-FMCOB	X			X		X	X			X
A5LC10F-AMHIB	X		X						X	
A5LC15F-AMRIB	X		X						X	
A5LC20C-AMPIG	X		X						X	
A5LC25C-AMPIG	X		X						X	
A5LC28C-AMPIB	X		X						X	
A5LC30C-AMPIA	X		X						X	
A5LC35D-AMPIA	X		X		X	X			X	
A5LC40D-FMCID	X		X			X	X	X		X
A5LC50D-FMCID	X		X			X	X	X		X
A5LC61D-FMCIB	X		X			X	X	X		X

Application Information

Operating Range

Ensure the operating temperature is in allowable range.

Cooling

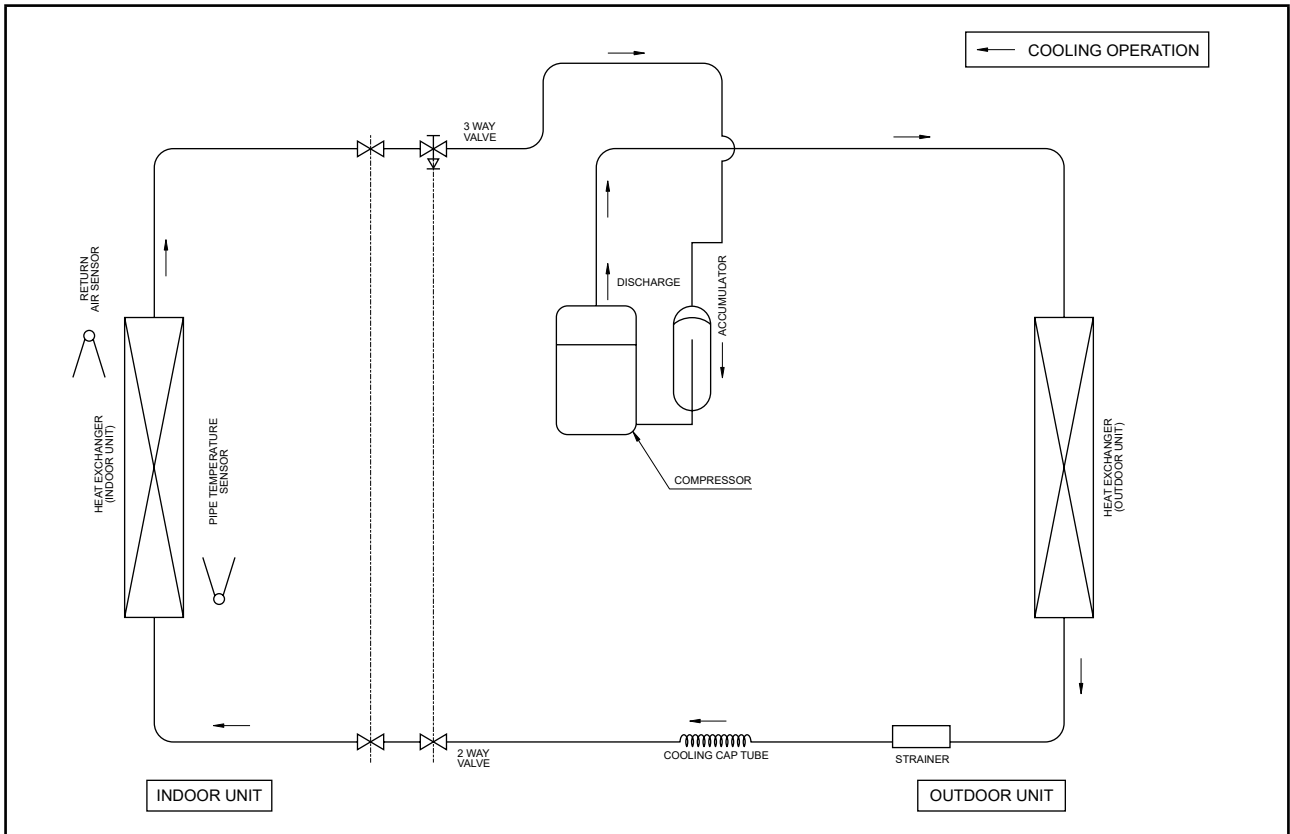


Caution :

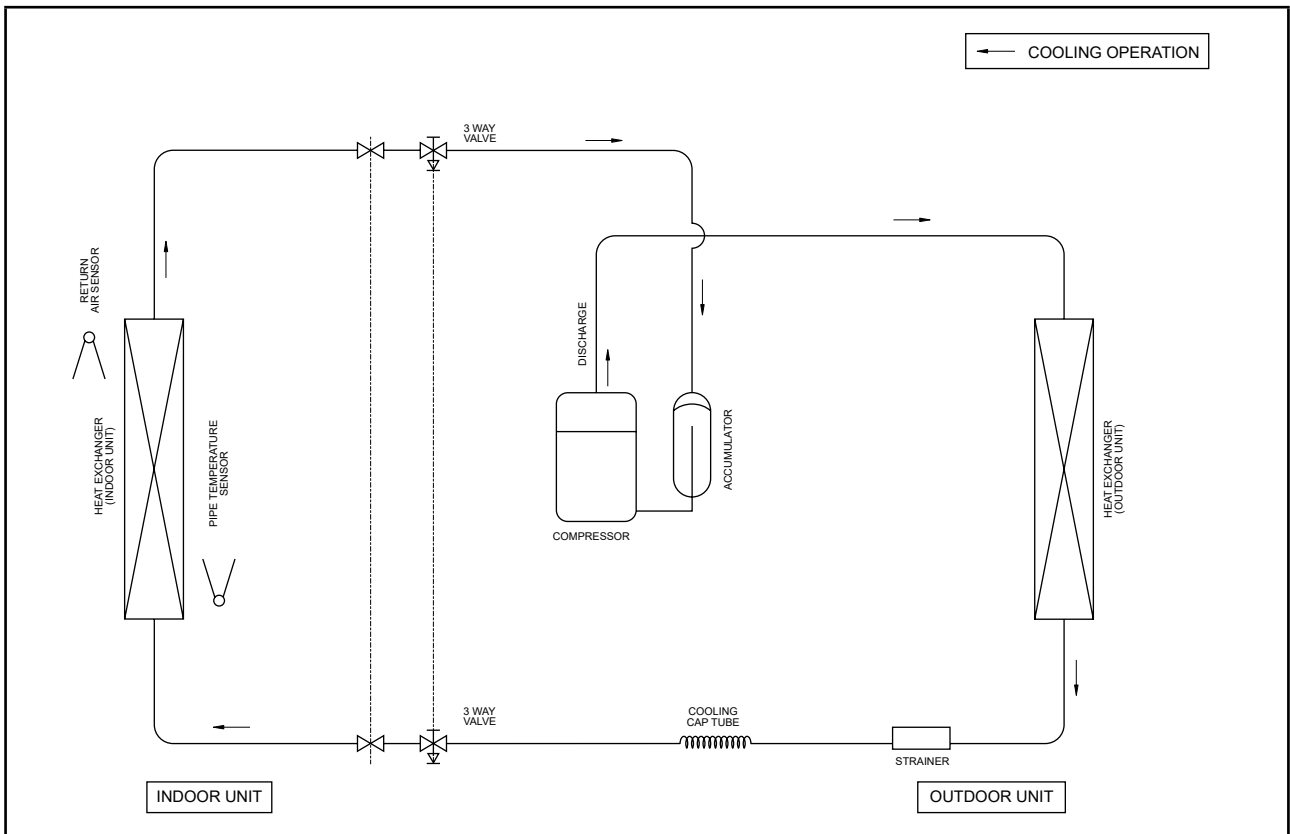
The use of your air conditioner outside the range of working temperature and humidity can result in serious failure.

Refrigerant Circuit Diagrams

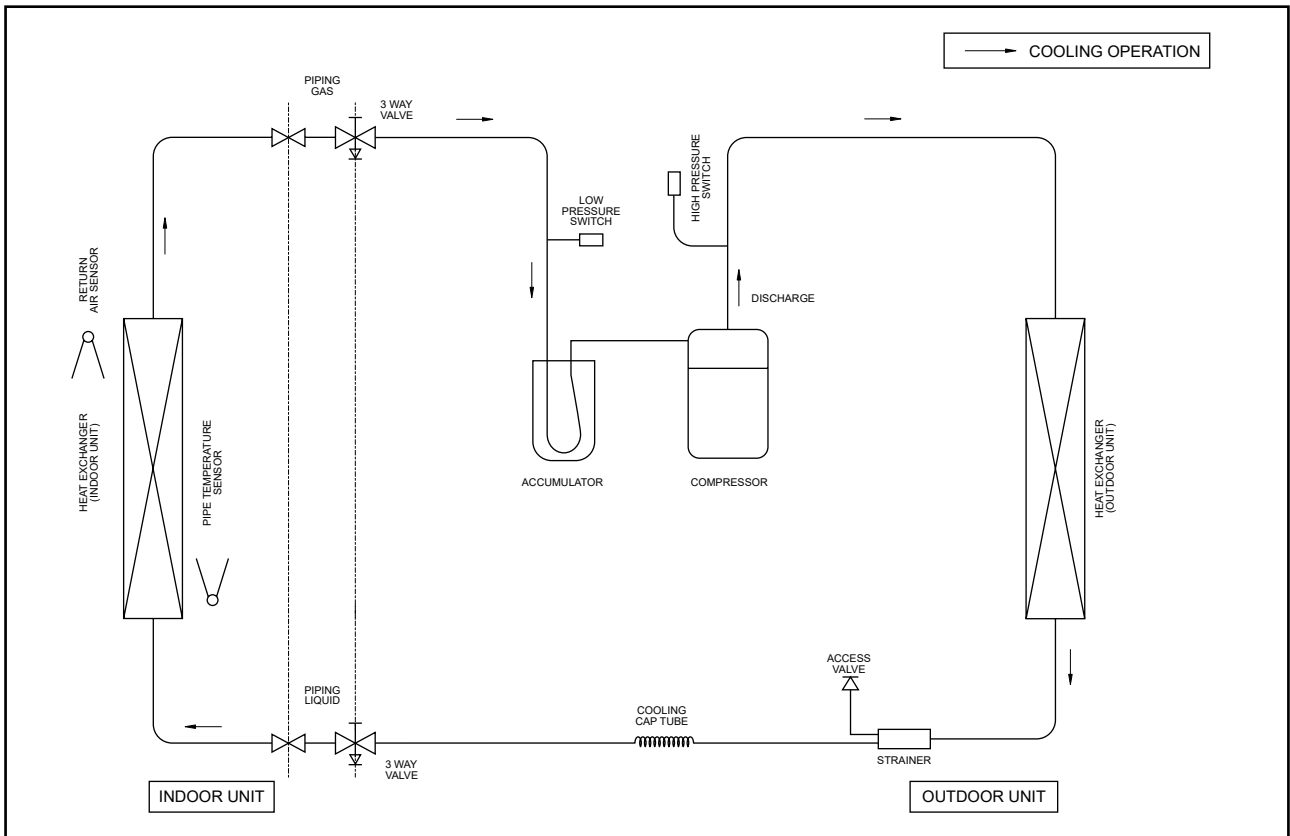
Model: A5CC10/15/20/25C - A5LC10/15F / A5LC20/25C



Model: A5CC30C - A5LC28/30C



Model: A5CC40/50/60C - RN35/40/50/61D



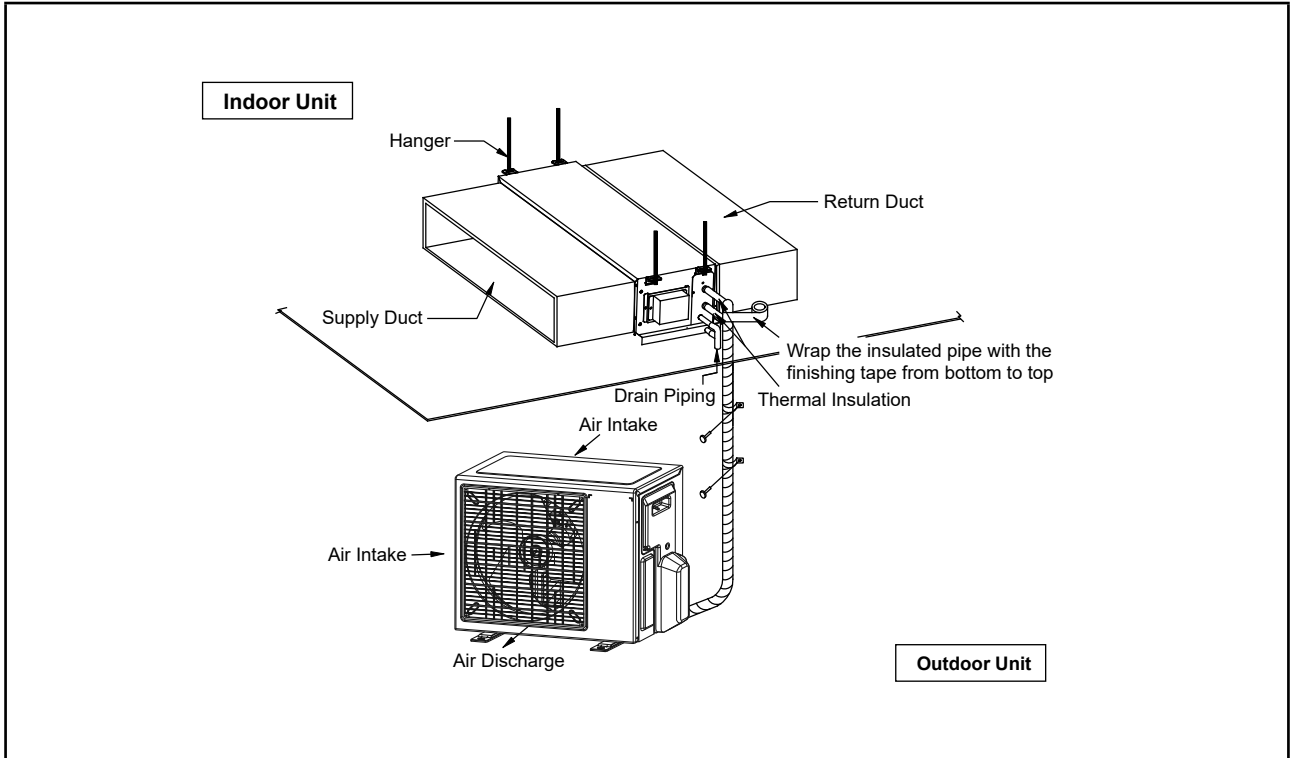
Installation Guideline



Caution

Sharp edges and coil surfaces are potential injury hazard. Avoid from contact with them.

Installation Diagram

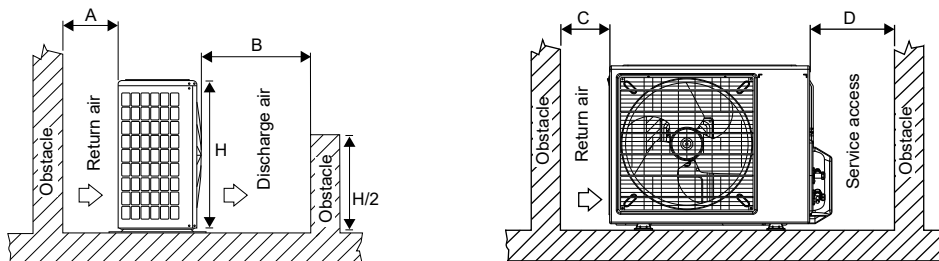


Outdoor Clearance



Caution

If the condensing unit is operated in an atmosphere containing oils (including machine oils), salt (coastal area), sulphide gas (near hot spring, oil refinery plant), such substances may lead to failure of the unit.



ALL MODELS	A	B	C	D
Minimum Distance	300 mm	1000 mm	300 mm	500 mm

Cable Size

Model	Unit	A5CC10C	A5CC15C	A5CC20C
		A5LC10F	A5LC15F	A5LC20C
Power supply cable size	mm ²	1.5	1.5	2.5
Number of wire		3	3	3
Interconnection cable size	mm ²	1.5	1.5	2.5
Number of wire		3	3	3
Recommended fuse	A	10	10	16

Model	Unit	A5CC25C	A5CC30C		A5CC40C
		A5LC25C	A5LC28C	A5LC30C	A5LC35D
Power supply cable size	mm ²	2.5	2.5	2.5	4.0
Number of wire		3	3	3	3
Interconnection cable size	mm ²	2.5	2.5	2.5	2.5
Number of wire		3	3	3	4
Recommended fuse	A	20	20	20	25

Model	Unit	A5CC40C	A5CC50C	A5CC60C
		A5LC40D	A5LC50D	A5LC61D
Power supply cable size	mm ²	4.0	4.0	4.0
Number of wire		3	3	3
Interconnection cable size	Indoor	mm ²	2.5	2.5
	Outdoor	mm ²	2.5	2.5
Number of wire	Indoor		4	4
	Outdoor		4 + 3	4 + 3
Recommended fuse	A	16	20	25

Refrigerant Piping

- When the pipe length becomes too long, both the capacity and reliability drop. As the number of bends increases, system piping resistance to the refrigerant flow increases, thus lowering the cooling capacity, and as the result the front compressor may become defective. Always choose the shortest path and follow the recommendation as tabulated below:

Model	Indoor	A5CC10C	A5CC15C	A5CC20C	A5CC25C	A5CC30C
	Outdoor	A5LC10F	A5LC15F	A5LC20C	A5LC25C	A5LC28C
Max. Length, m		20	20	30	30	15
Max. Elevation, m		10	10	15	15	8

Model	Indoor	A5CC30C	A5CC40C		A5CC50C	A5CC60C
	Outdoor	A5LC30C	A5LC35D	A5LC40D	A5LC50D	A5LC61D
Max. Length, m		45	50	50	50	35
Max. Elevation, m		25	30	30	30	15

Piping Sizes (Flare connection type)

Piping sizes are as follows:

R410A

Model	Indoor	A5CC10C	A5CC15C	A5CC20C	A5CC25C	A5CC30C
	Outdoor	A5LC10F	A5LC15F	A5LC20C	A5LC25C	A5LC28C
Liquid, mm / in		6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
Suction, mm / in		9.52 (3/8")	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")	15.88 (5/8")

Model	Indoor	A5CC30C	A5CC40C		A5CC50C	A5CC60C
	Outdoor	A5LC30C	A5LC35D	A5LC40D	A5LC50D	A5LC61D
Liquid, mm / in		9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
Suction, mm / in		15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	19.05 (3/4")

Additional Charge

- The refrigerant charge has already charged into the outdoor unit. For the piping length of 7.5m, additional refrigerant charge after vacuuming is not necessary.
- If the piping length is more than 7.5m, then use the additional charge (g) per additional 1m length as tabulated:

R410A – Cooling Only

Indoor	A5CC10C	A5CC15C	A5CC20C	A5CC25C	A5CC30C
Outdoor	A5LC10F	A5LC15F	A5LC20C	A5LC25C	A5LC28C
Add. Charge, g/m	18	18	22	10	33

Indoor	A5CC30C	A5CC40C		A5CC50C	A5CC60C
Outdoor	A5LC30C	A5LC35D	A5LC40D	A5LC50D	A5LC61D
Add. Charge, g/m	24	27	24	24	32

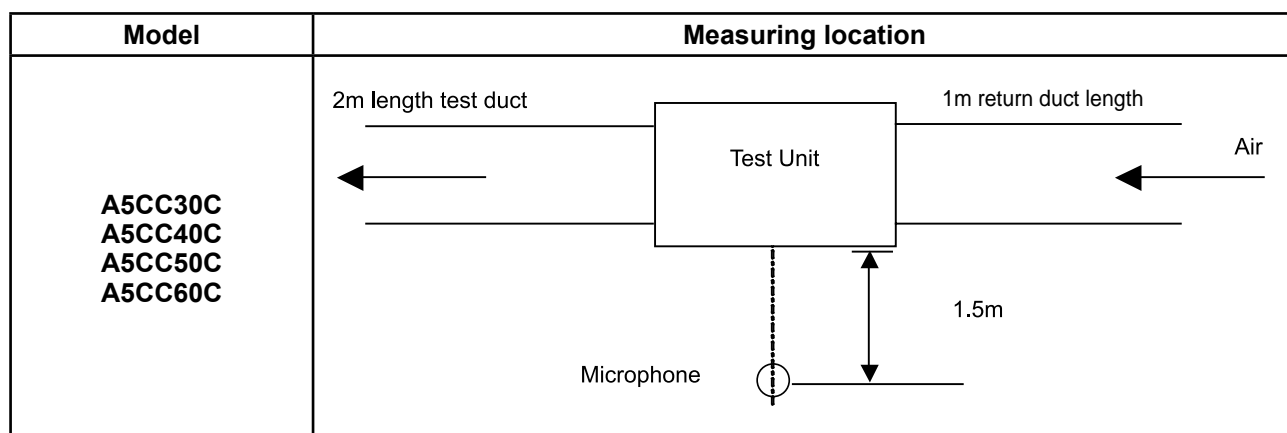
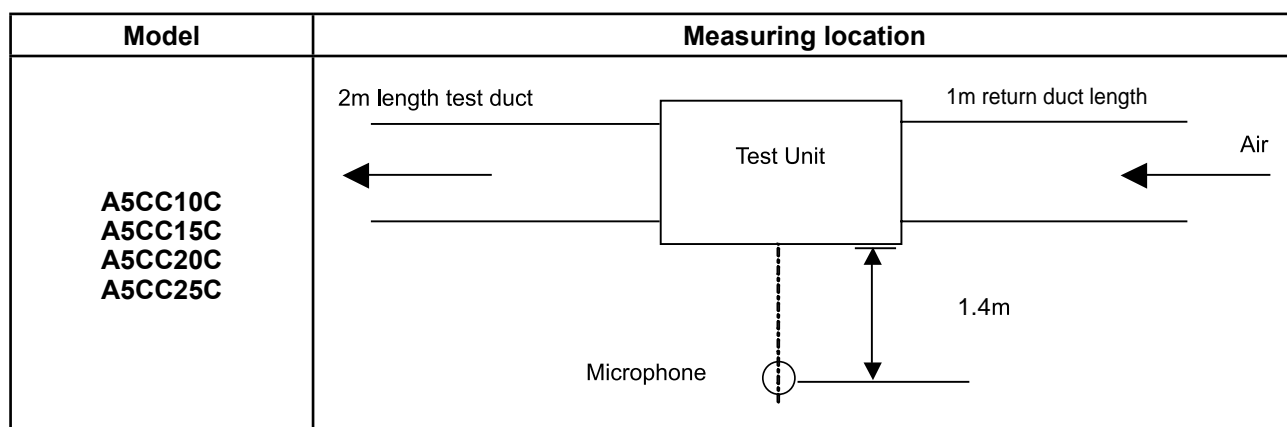
Example:

A5CC10C & A5LC10F with 13m piping length, additional piping length is 5.5m. Thus,
 Additional charge = 5.5[m] x 18[g/m]
 = 99[g]

Sound Data

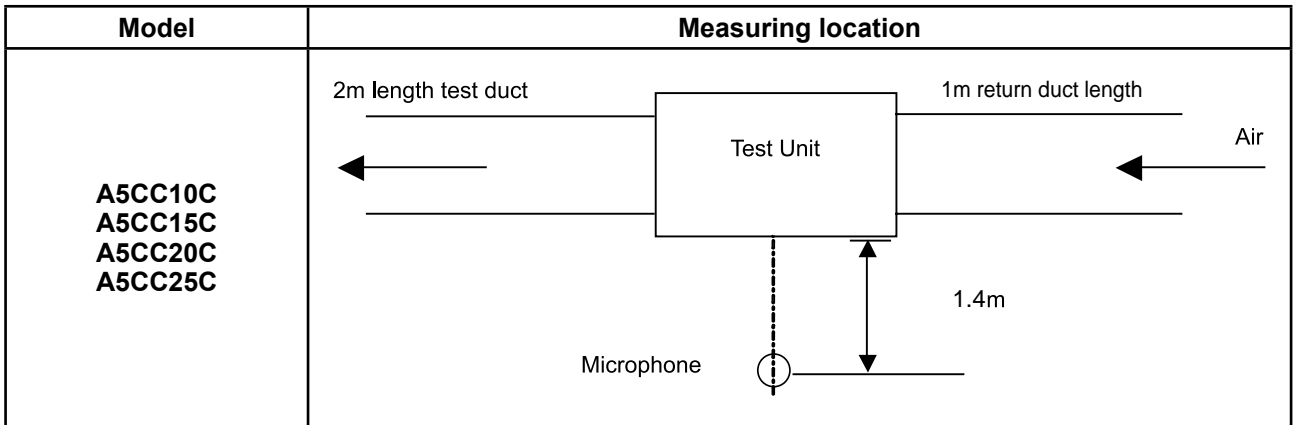
Sound Pressure Level (Medium Static)

Model	Speed	1/1 Octave Sound Pressure (dB, ref 20 μ Pa)							Overall (dBA)	Noise Criteria
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz		
A5CC10C	High	33	30	30	29	22	16	10	33	28
	Med	31	28	28	26	20	13	8	30	24
	Low	28	25	24	22	16	10	7	26	20
A5CC15C	High	39	36	34	32	27	18	11	37	31
	Med	35	34	32	29	23	14	9	34	28
	Low	32	29	28	25	17	11	8	29	23
A5CC20C	High	47	37	39	33	28	21	15	39	34
	Med	47	36	37	32	27	19	14	38	32
	Low	46	35	36	31	26	18	13	37	31
A5CC25C	High	47	39	39	35	28	21	15	41	34
	Med	48	38	38	34	27	20	14	40	33
	Low	47	36	36	31	25	17	12	39	31
A5CC30C	High	49	48	45	43	38	29	25	47	42
	Med	47	45	43	40	36	29	22	45	39
	Low	44	42	41	38	32	23	17	42	37
A5CC40C	High	54	49	47	46	42	37	29	50	45
	Med	51	46	44	43	38	33	25	47	42
	Low	47	41	41	39	33	28	19	43	38
A5CC50C	High	53	50	49	46	44	36	29	51	45
	Med	50	47	46	43	40	33	25	48	42
	Low	49	48	44	41	37	30	23	46	40
A5CC60C	High	51	50	51	47	45	38	31	52	47
	Med	55	47	48	44	42	34	27	50	44
	Low	52	45	46	42	39	31	24	47	41

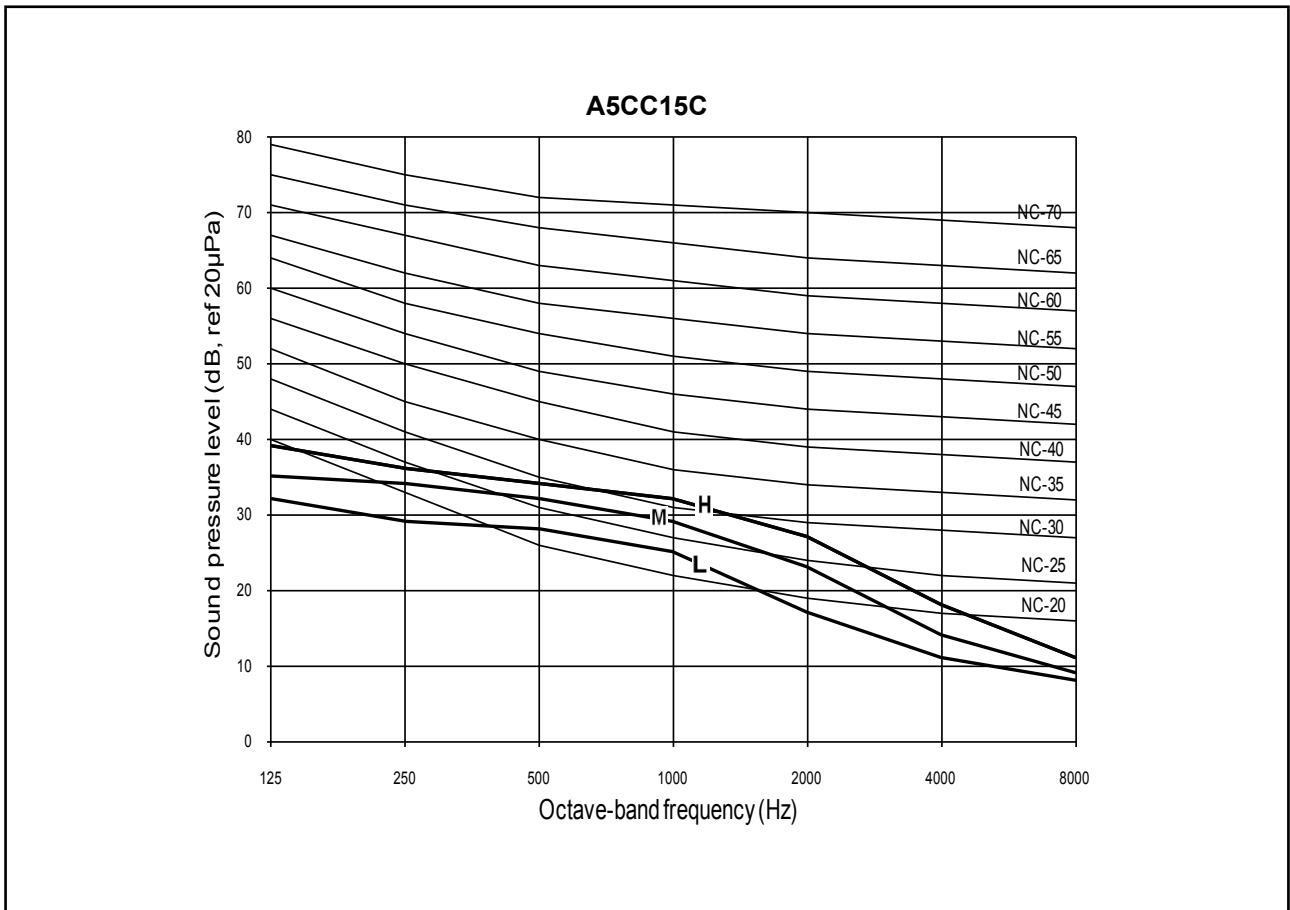
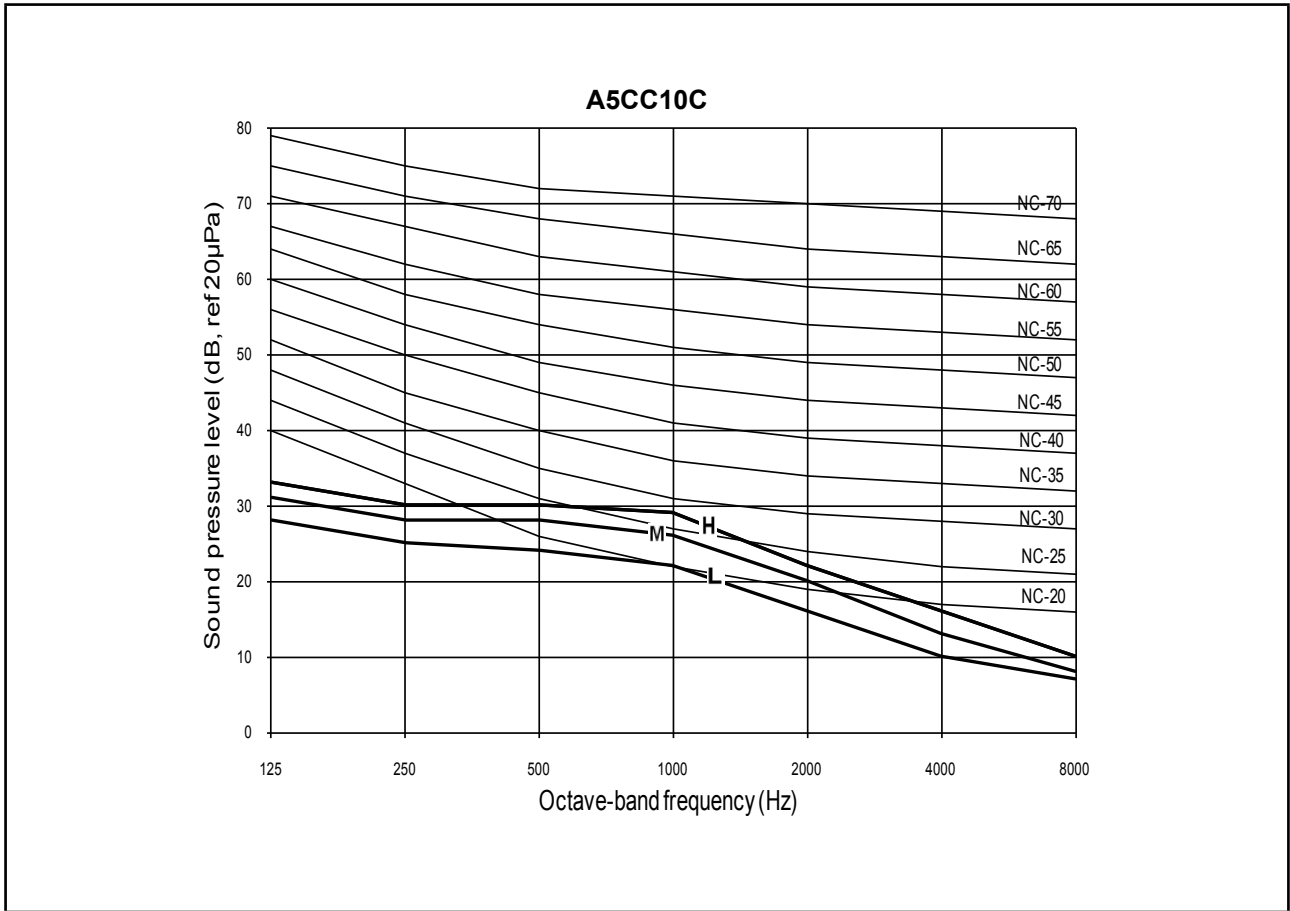


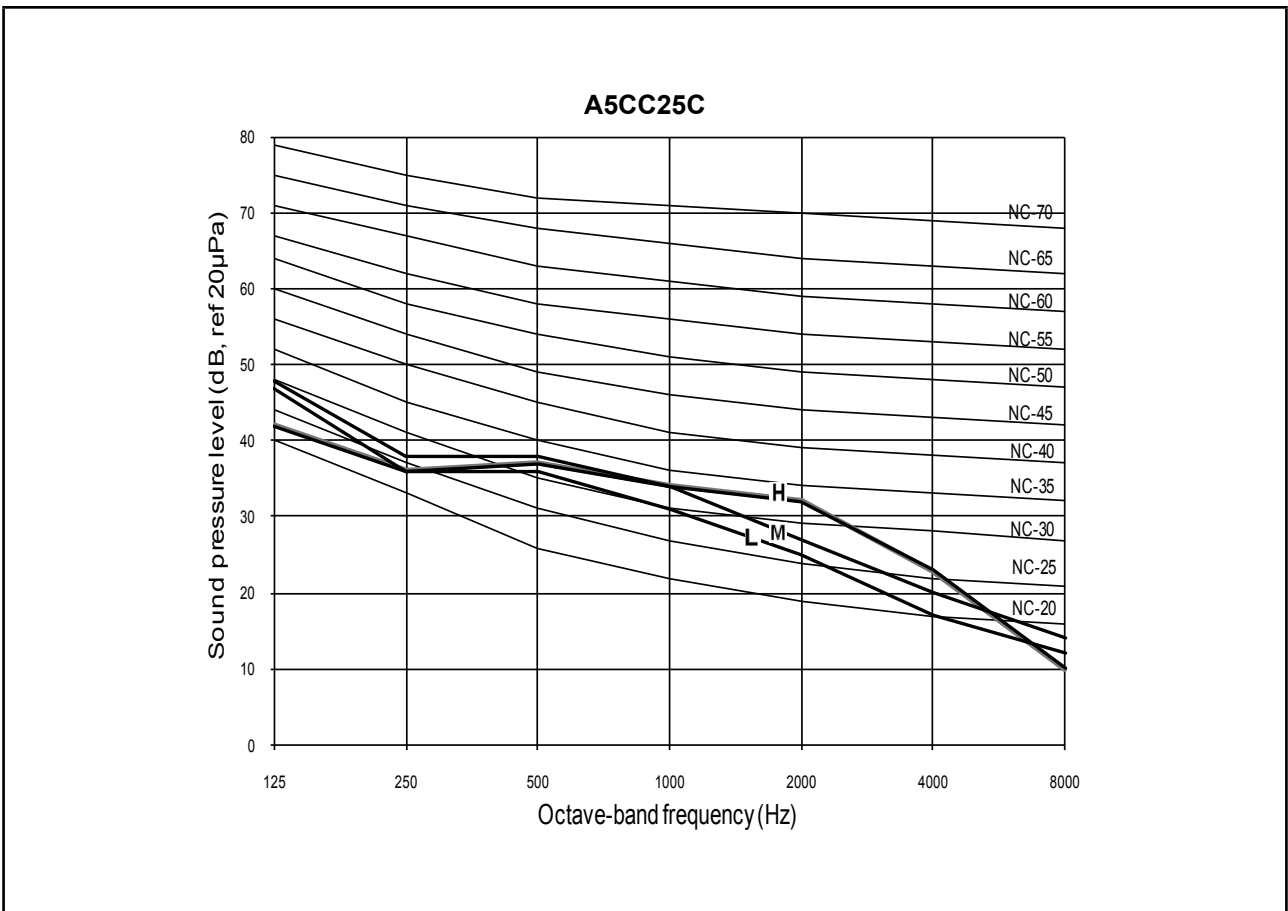
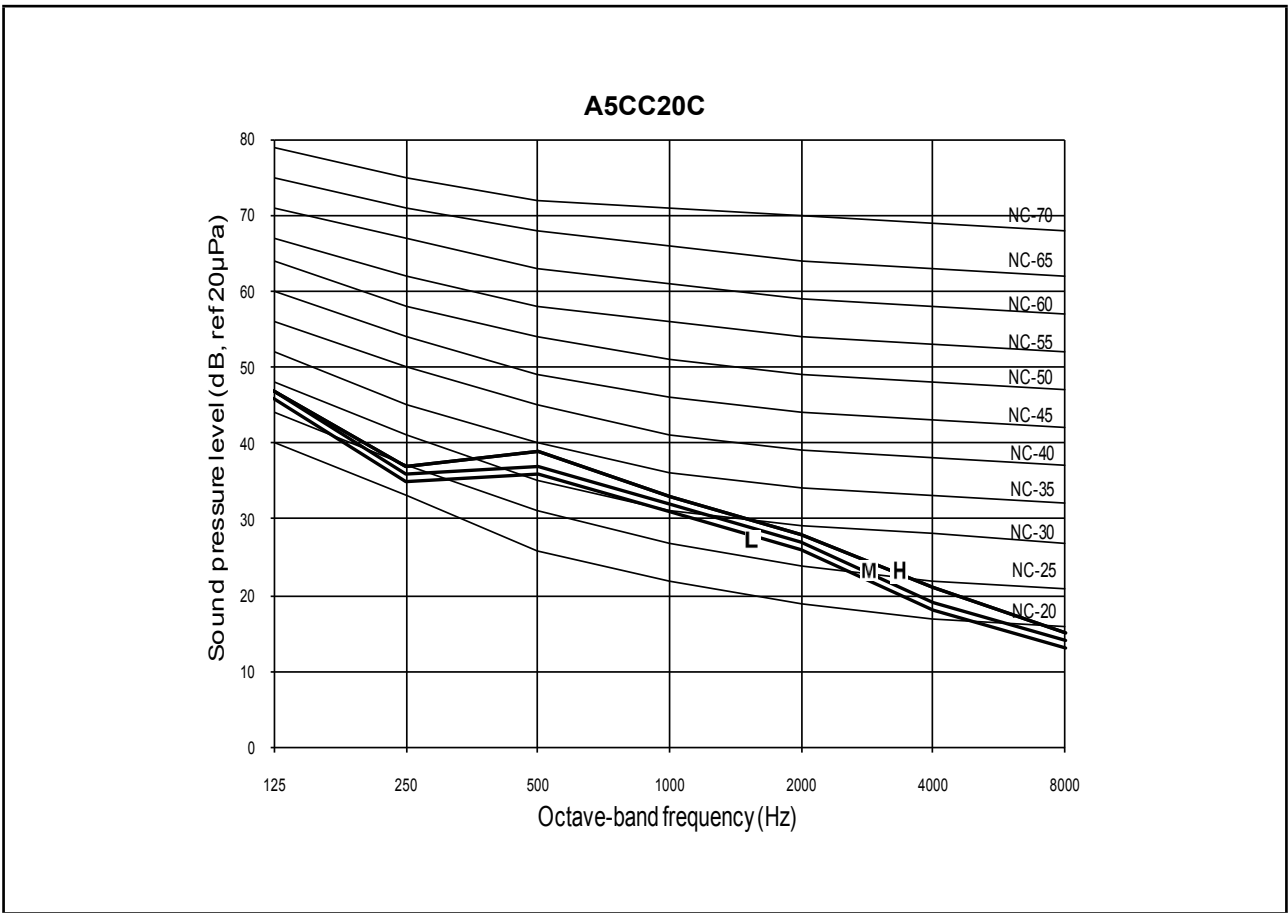
Sound Pressure Level (Low Static)

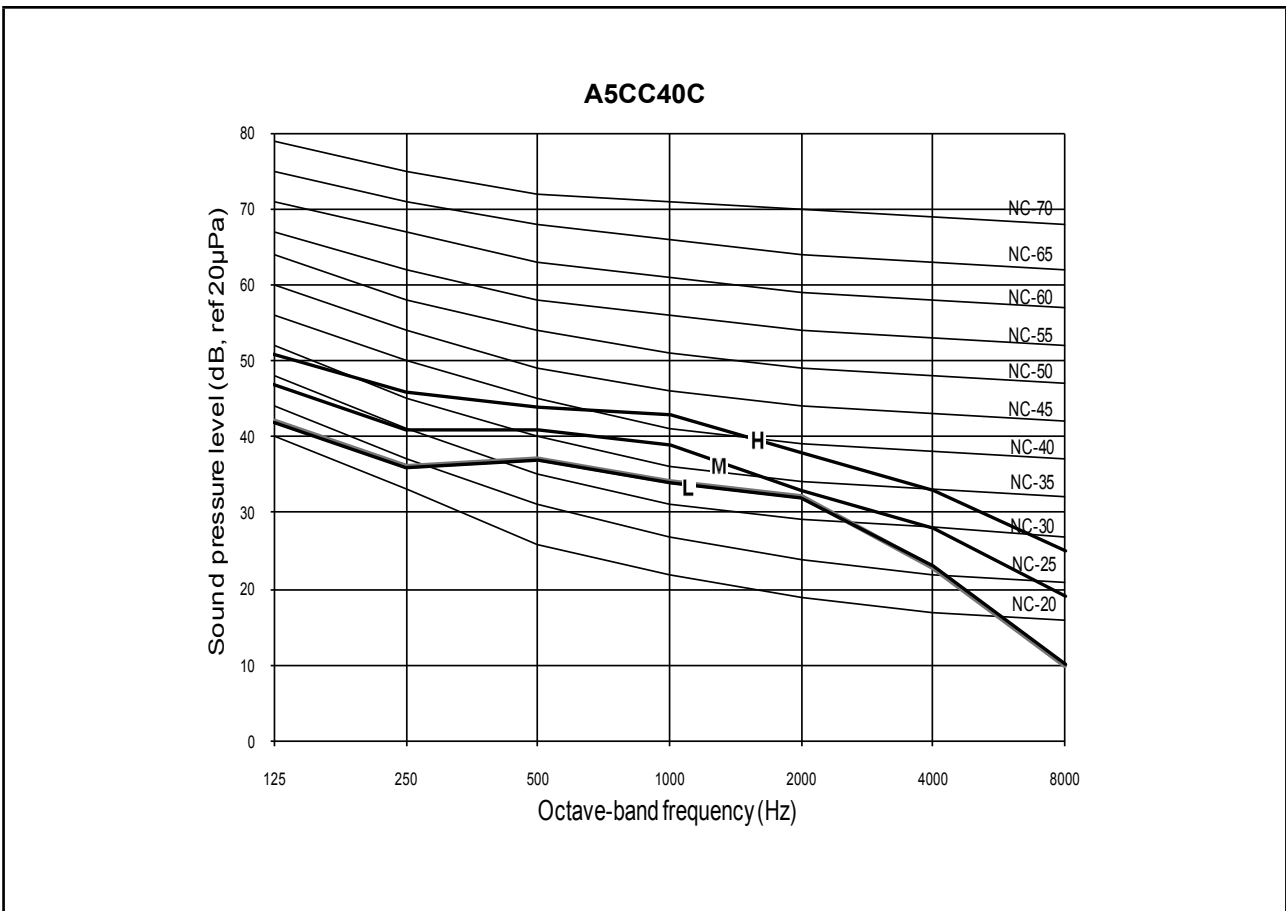
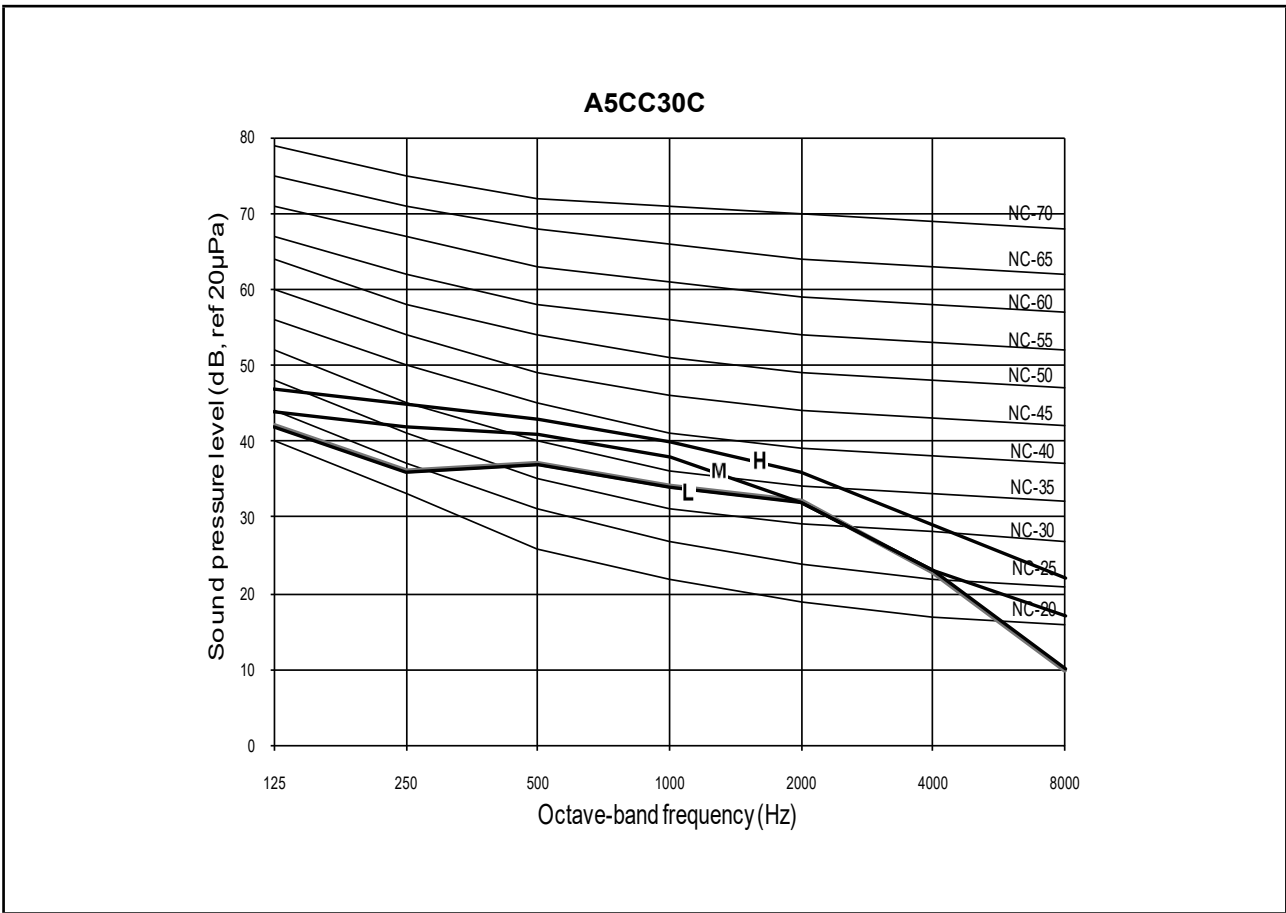
Model	Speed	1/1 Octave Sound Pressure (dB, ref 20µPa)							Overall (dBA)	Noise Criteria
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz		
A5CC10C	High	32	29	29	28	21	15	9	32	26
	Med	30	27	27	25	19	12	7	29	23
	Low	28	25	24	22	16	10	7	26	20
A5CC15C	High	38	35	33	31	26	17	10	36	26
	Med	34	33	31	28	22	13	8	33	23
	Low	30	27	26	23	15	9	6	27	20
A5CC20C	High	45	36	37	32	27	20	14	38	32
	Med	46	35	36	31	26	18	13	37	31
	Low	44	33	34	29	24	16	11	35	29
A5CC25C	High	47	39	39	35	29	21	15	40	34
	Med	48	38	38	34	27	20	14	39	33
	Low	48	37	37	32	26	18	13	38	32

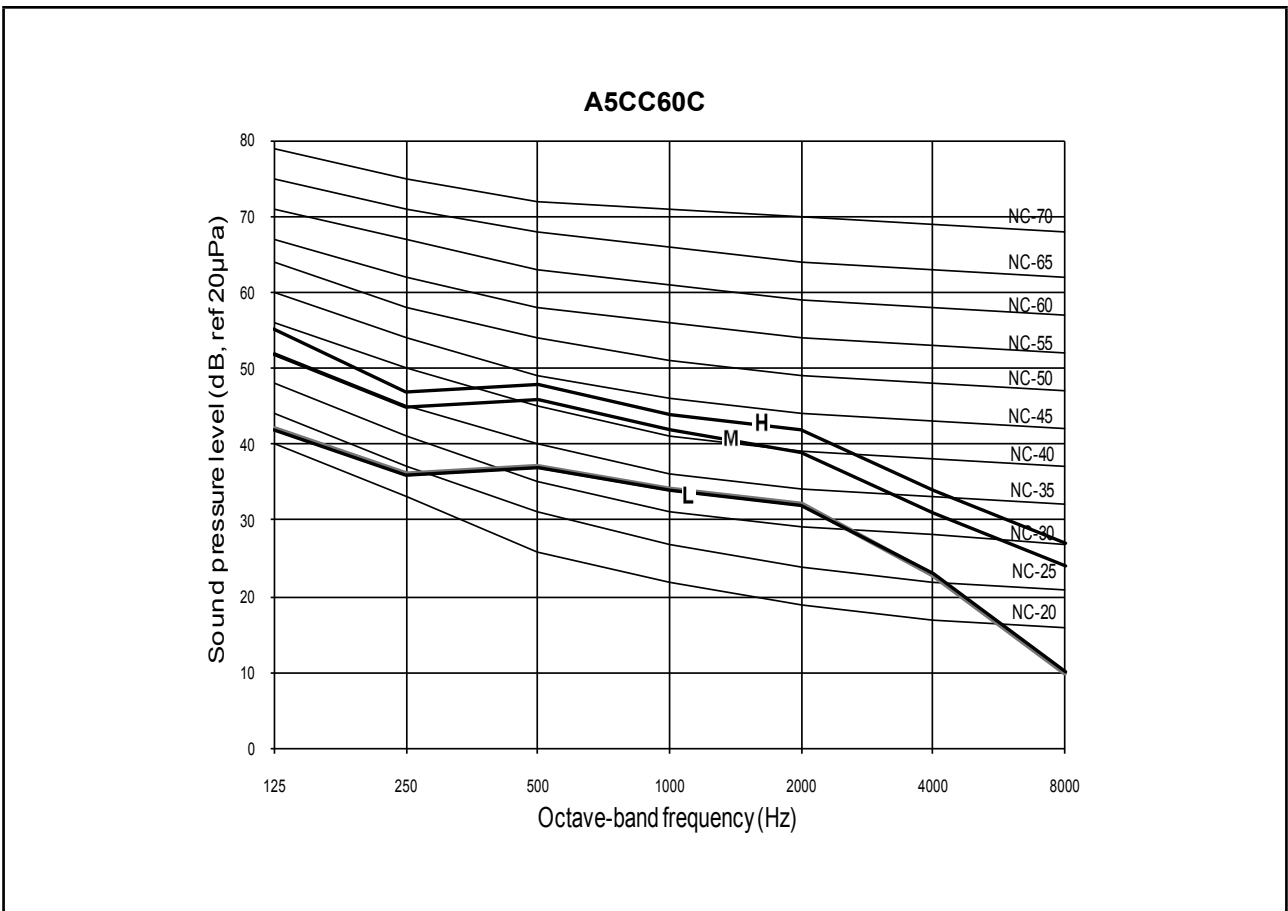
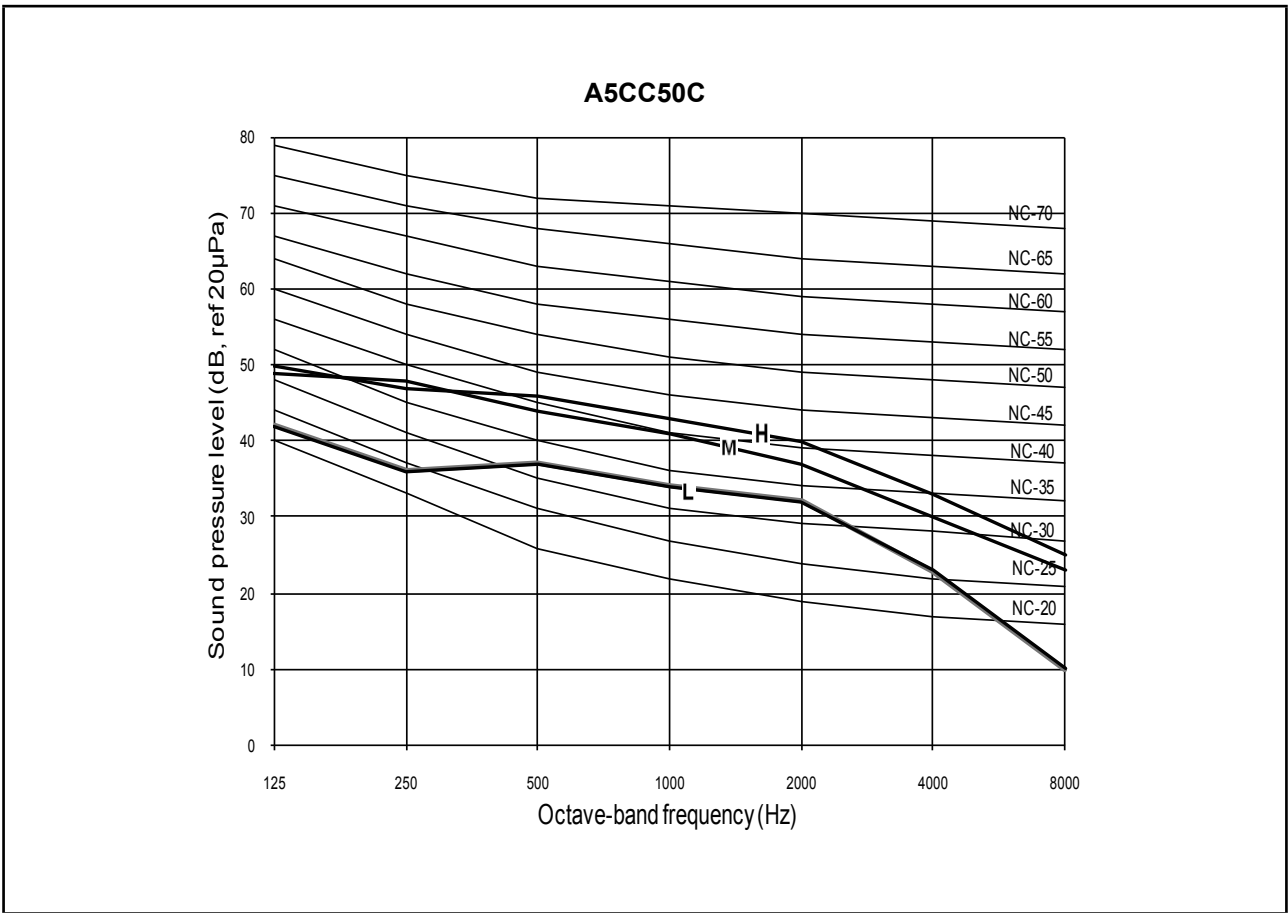


NC Curve (Medium Static)

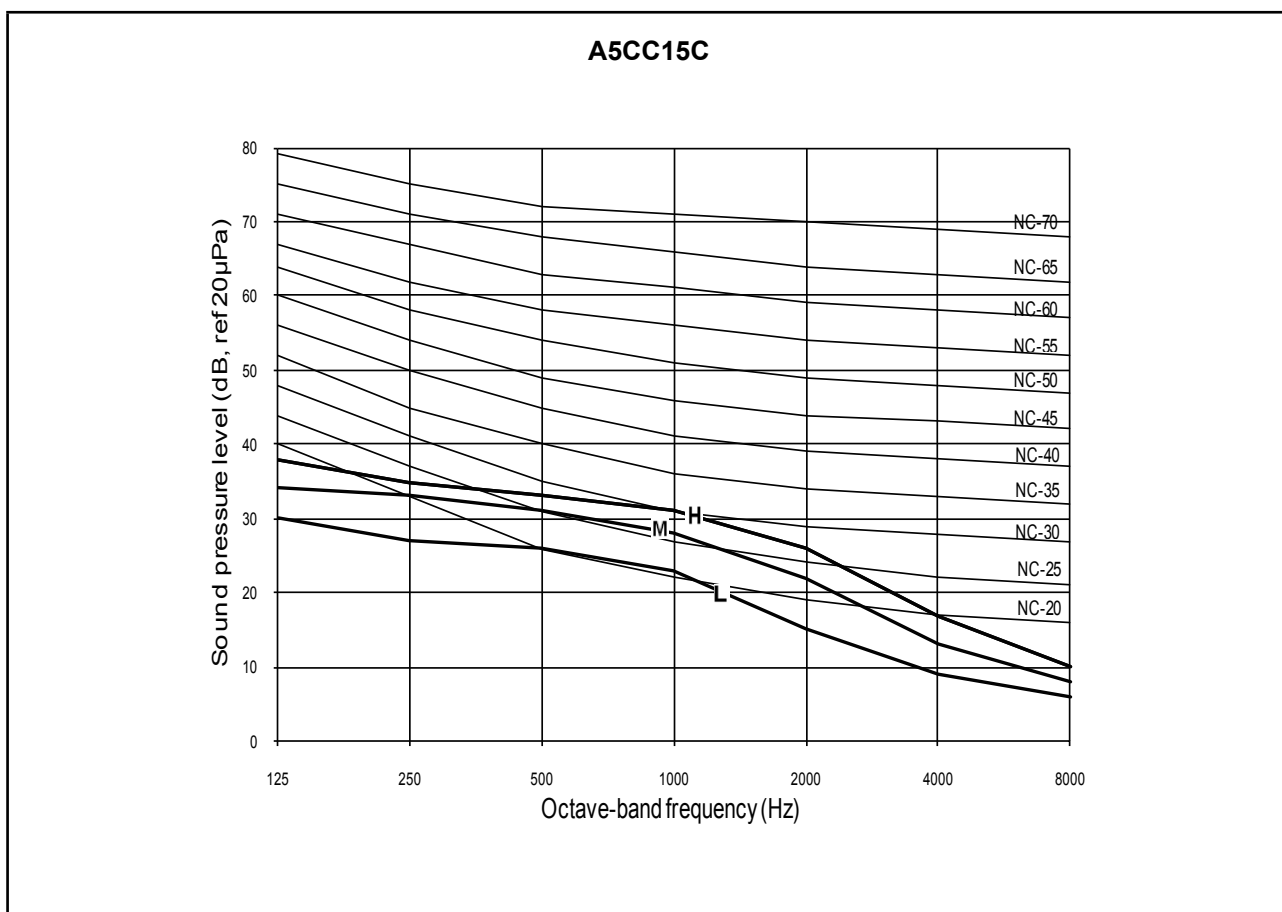
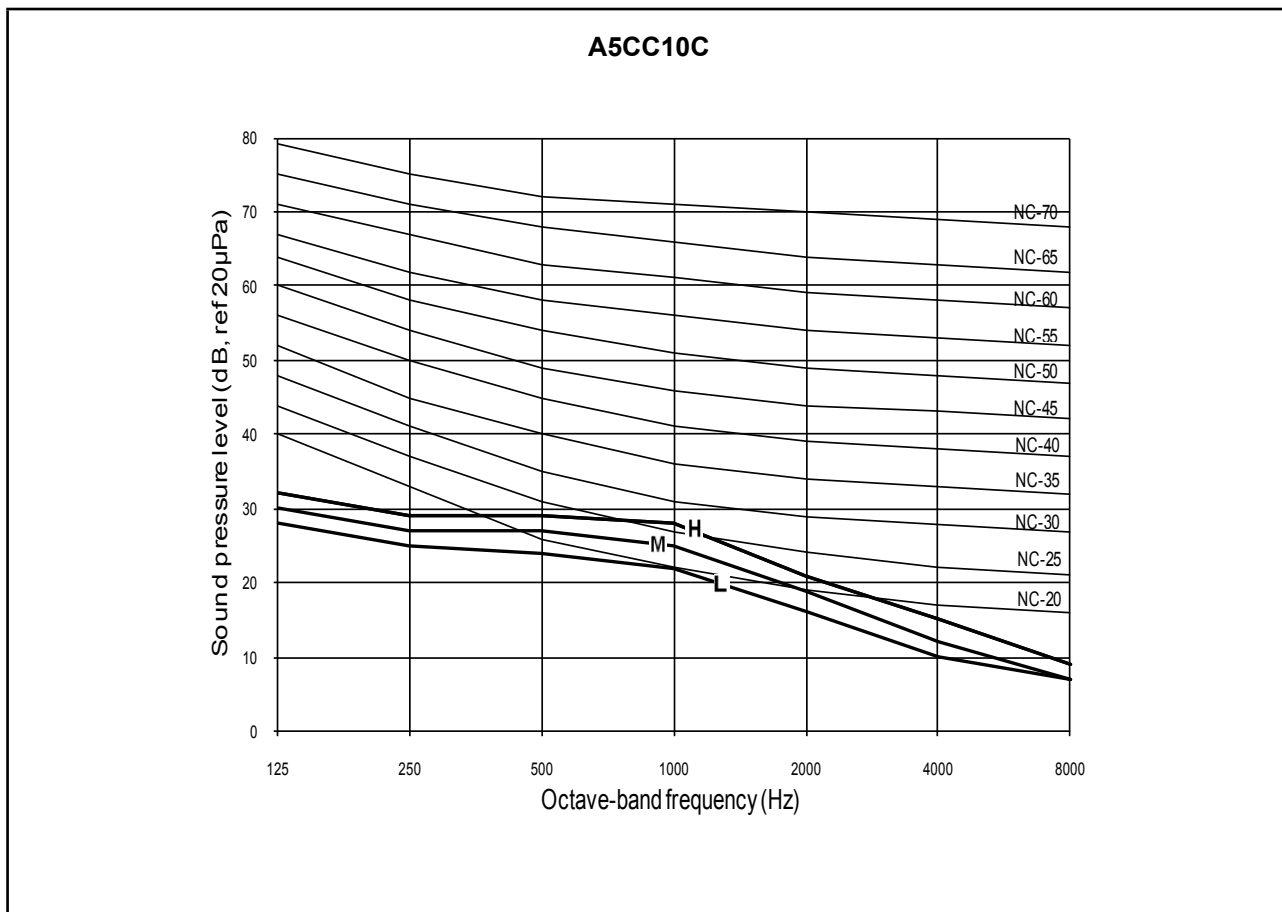


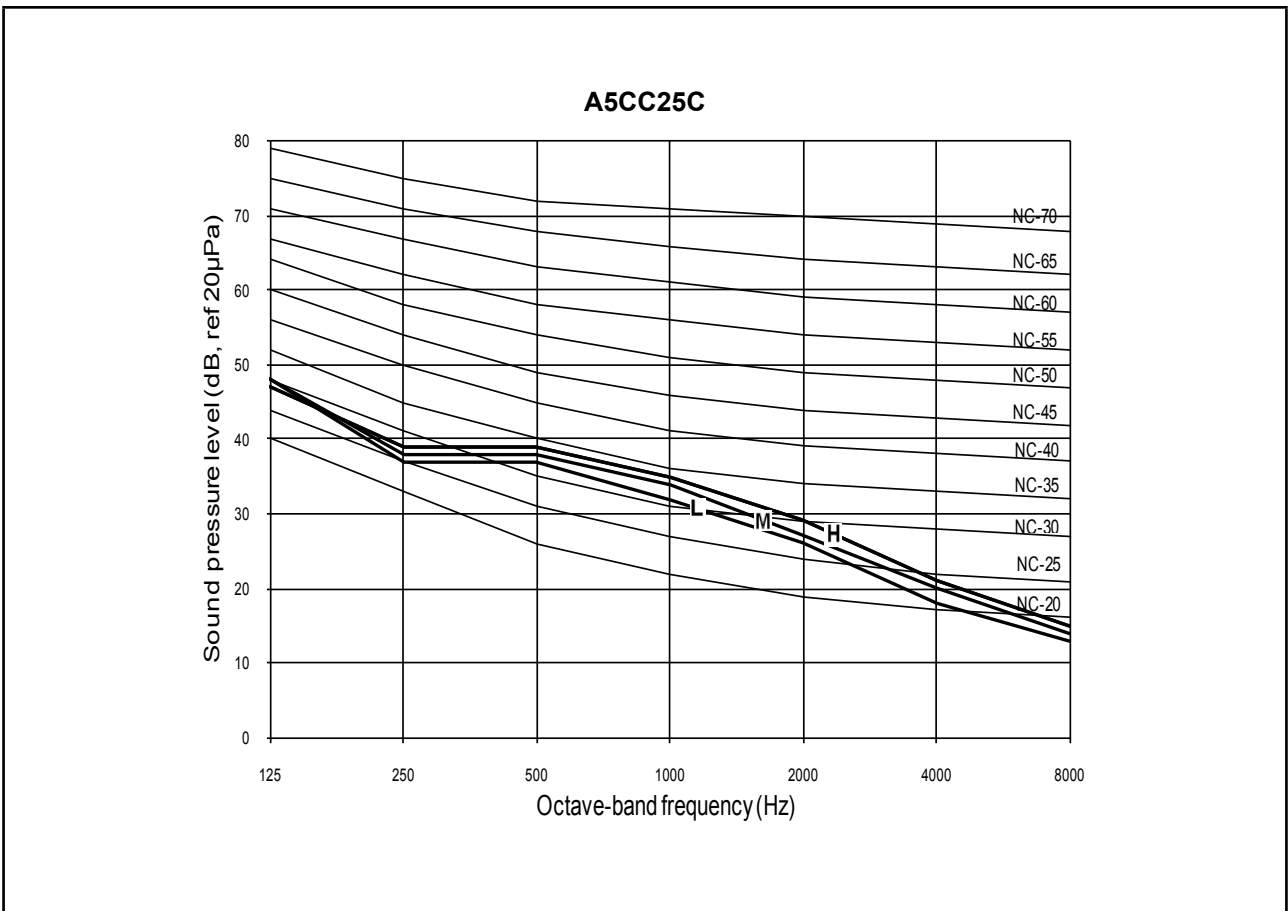
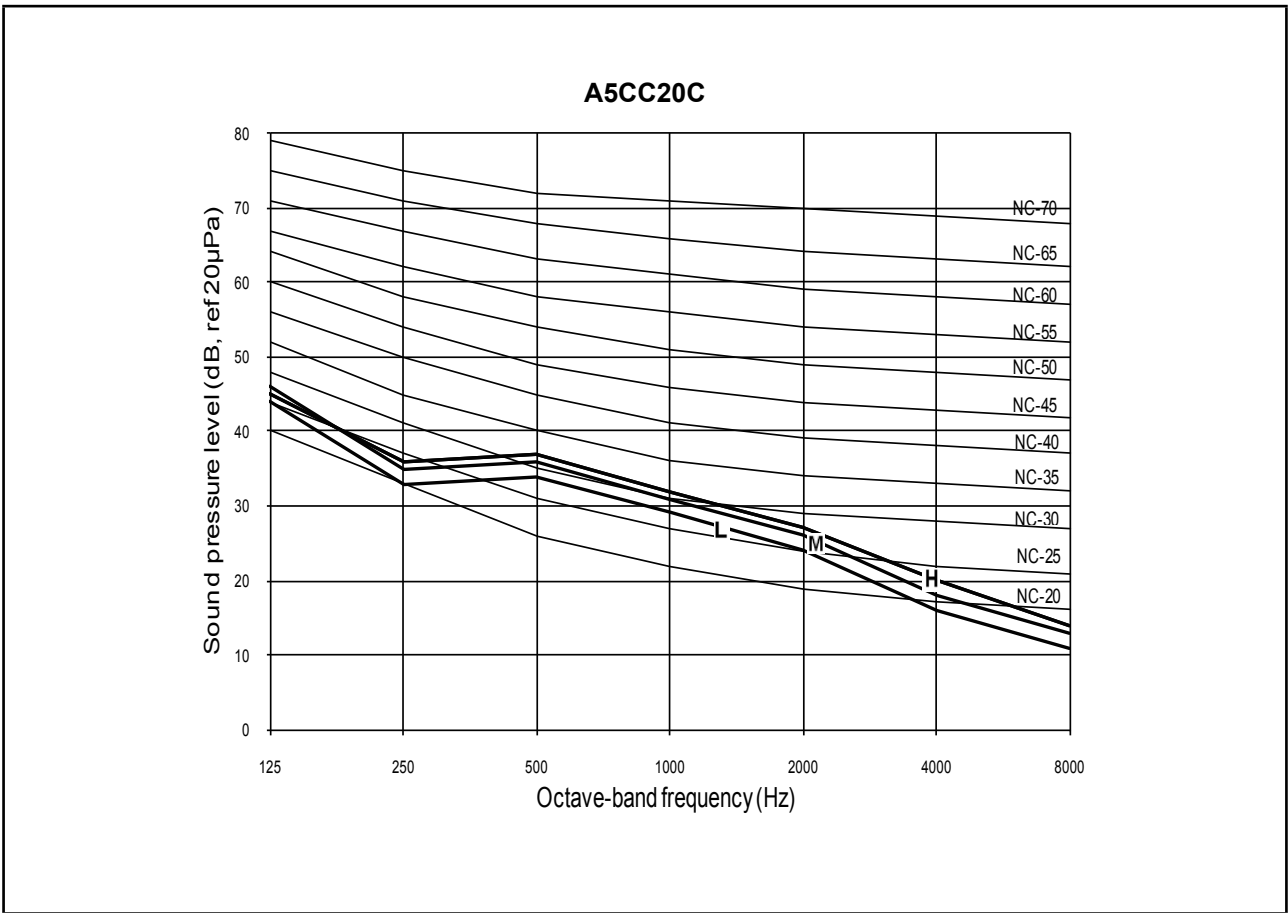






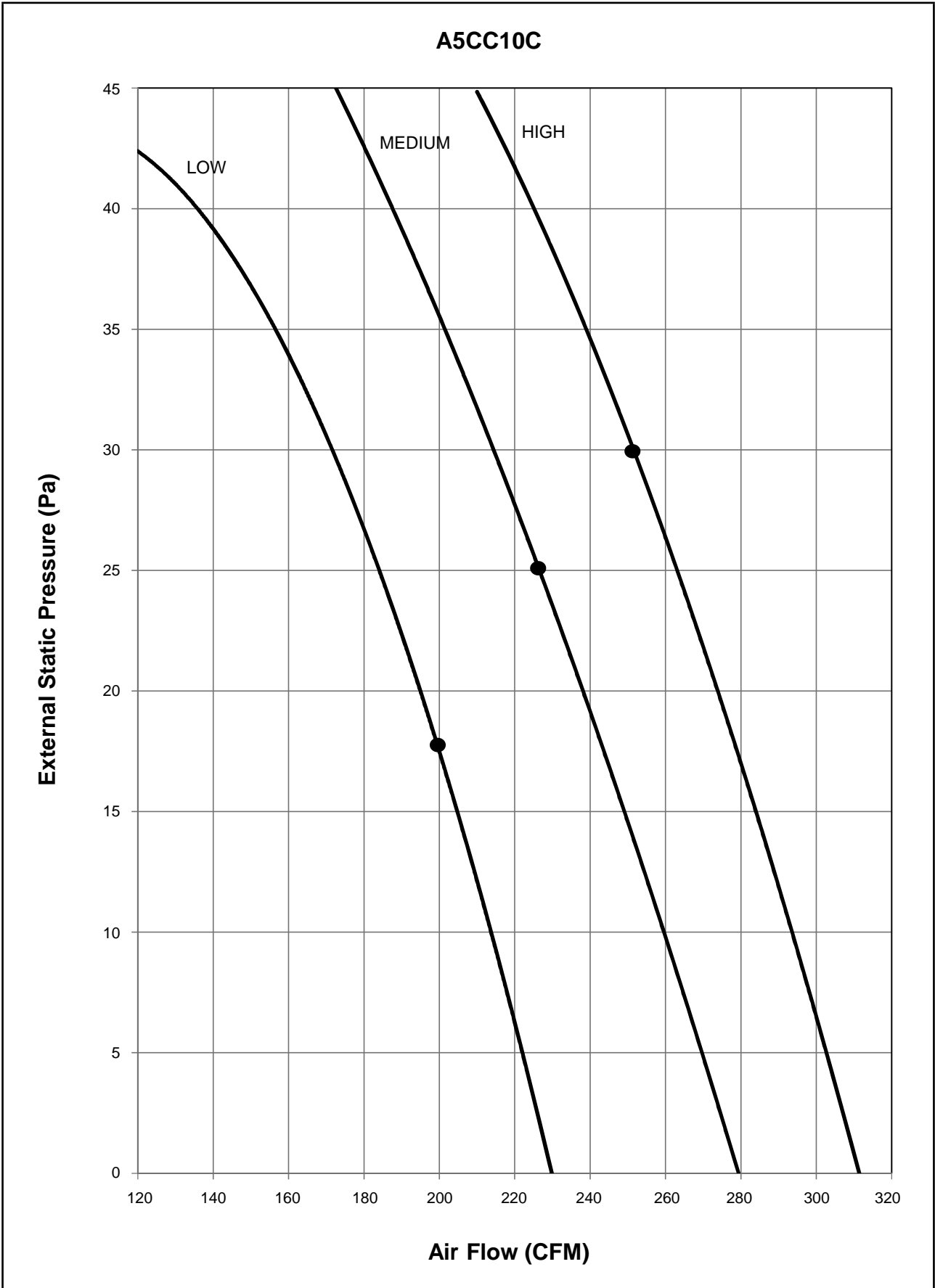
NC Curve (Low Static)

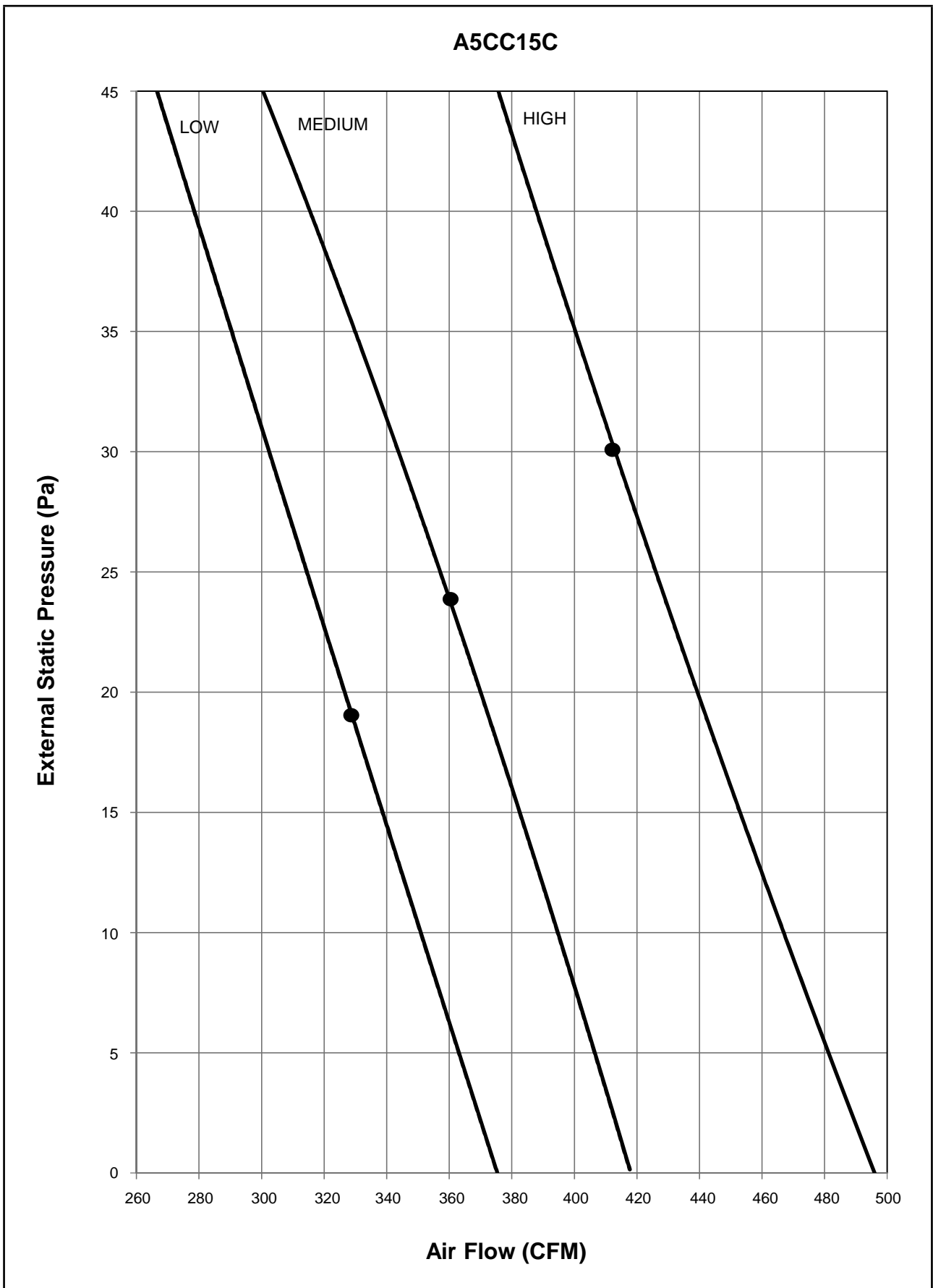


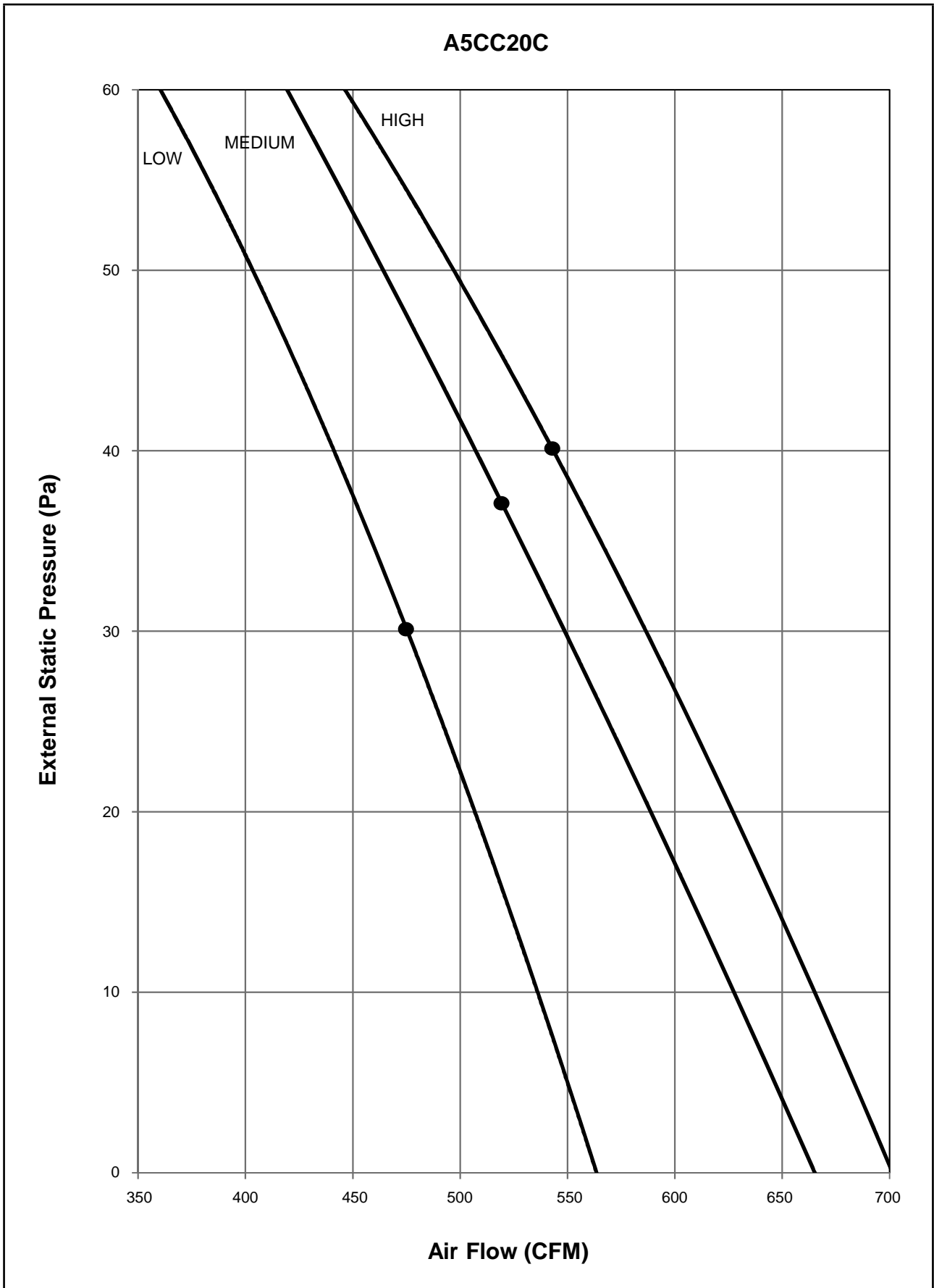


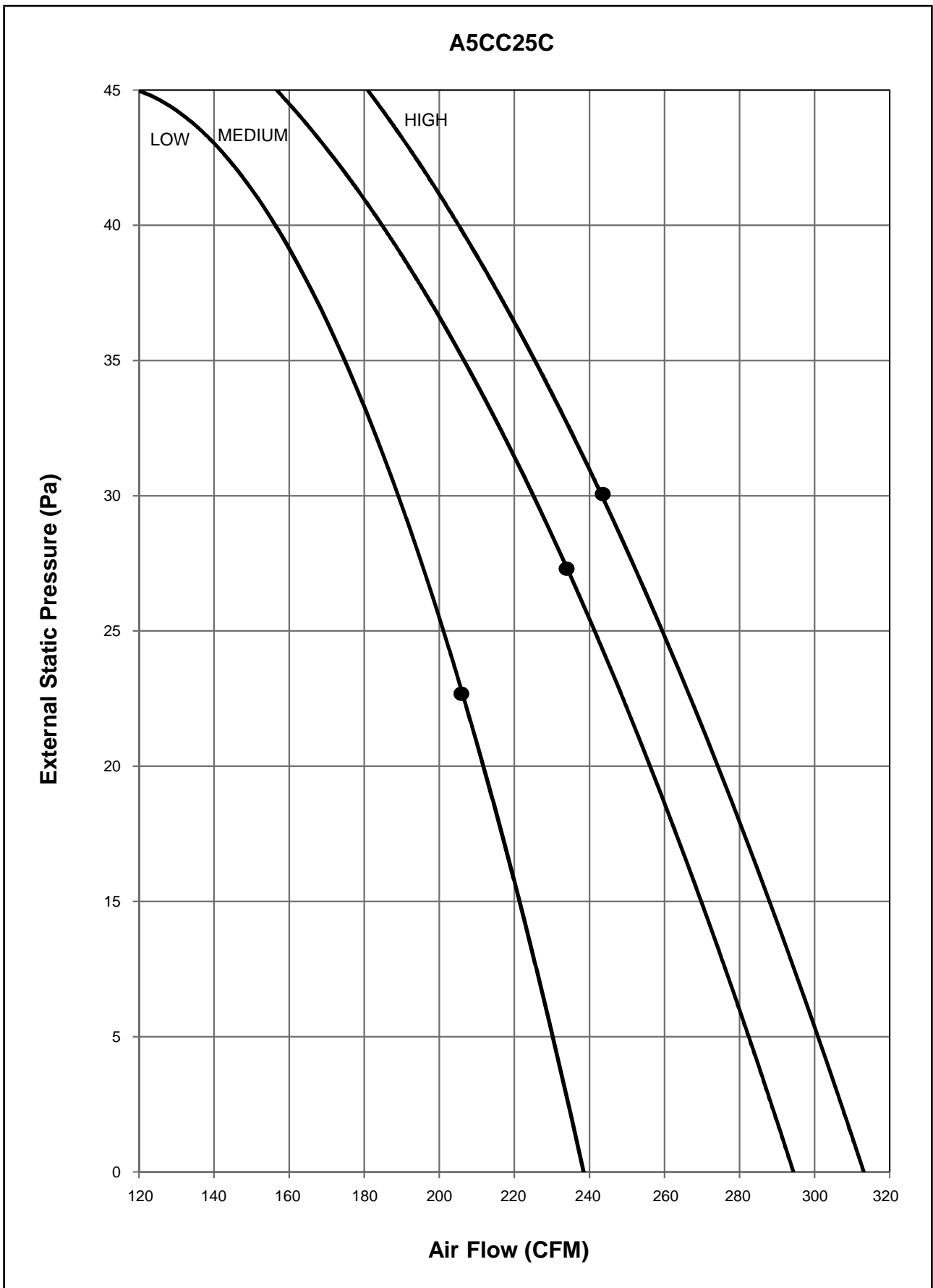
Selection Process

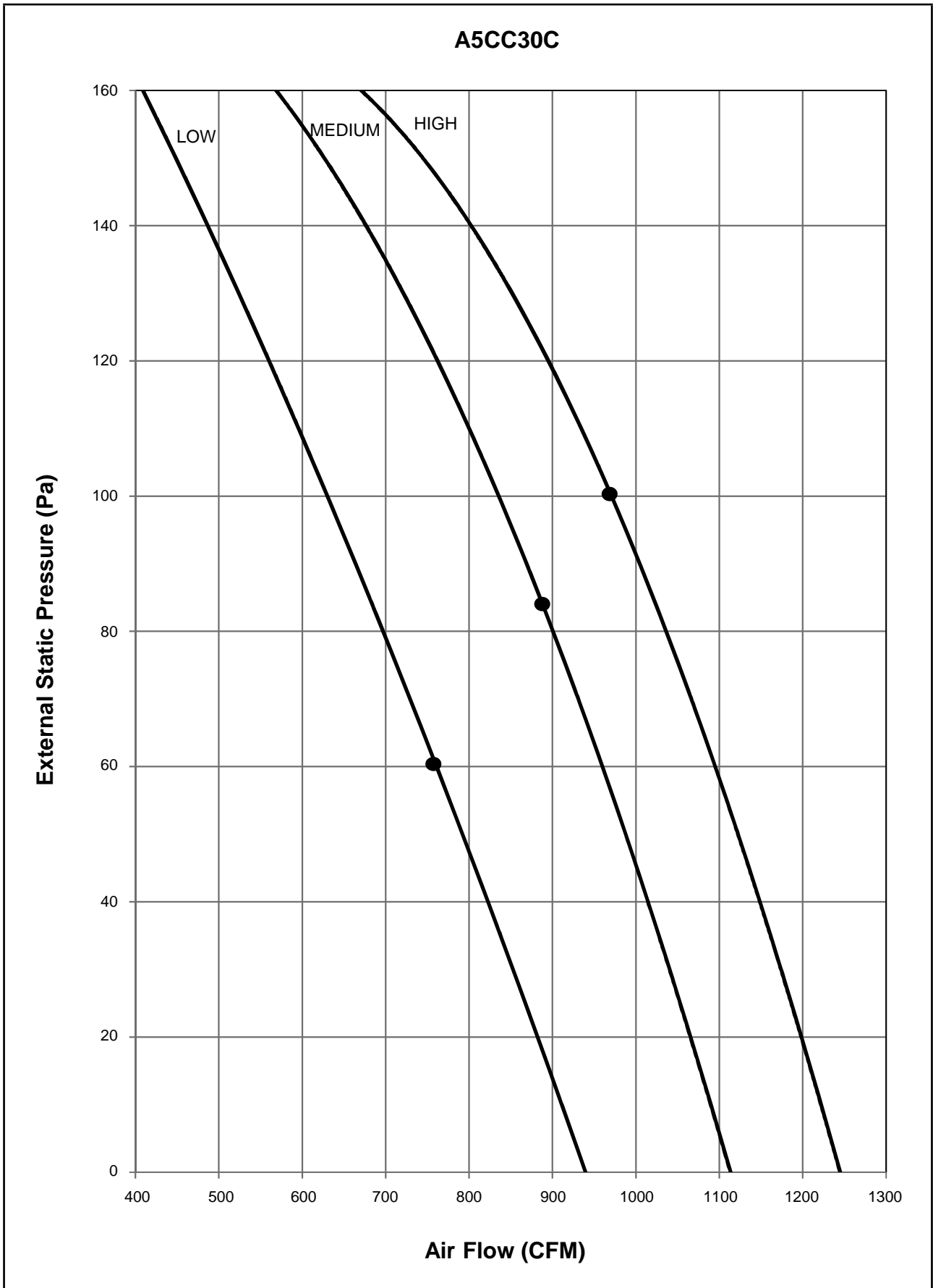
Blower Performance Curve (Medium Static)

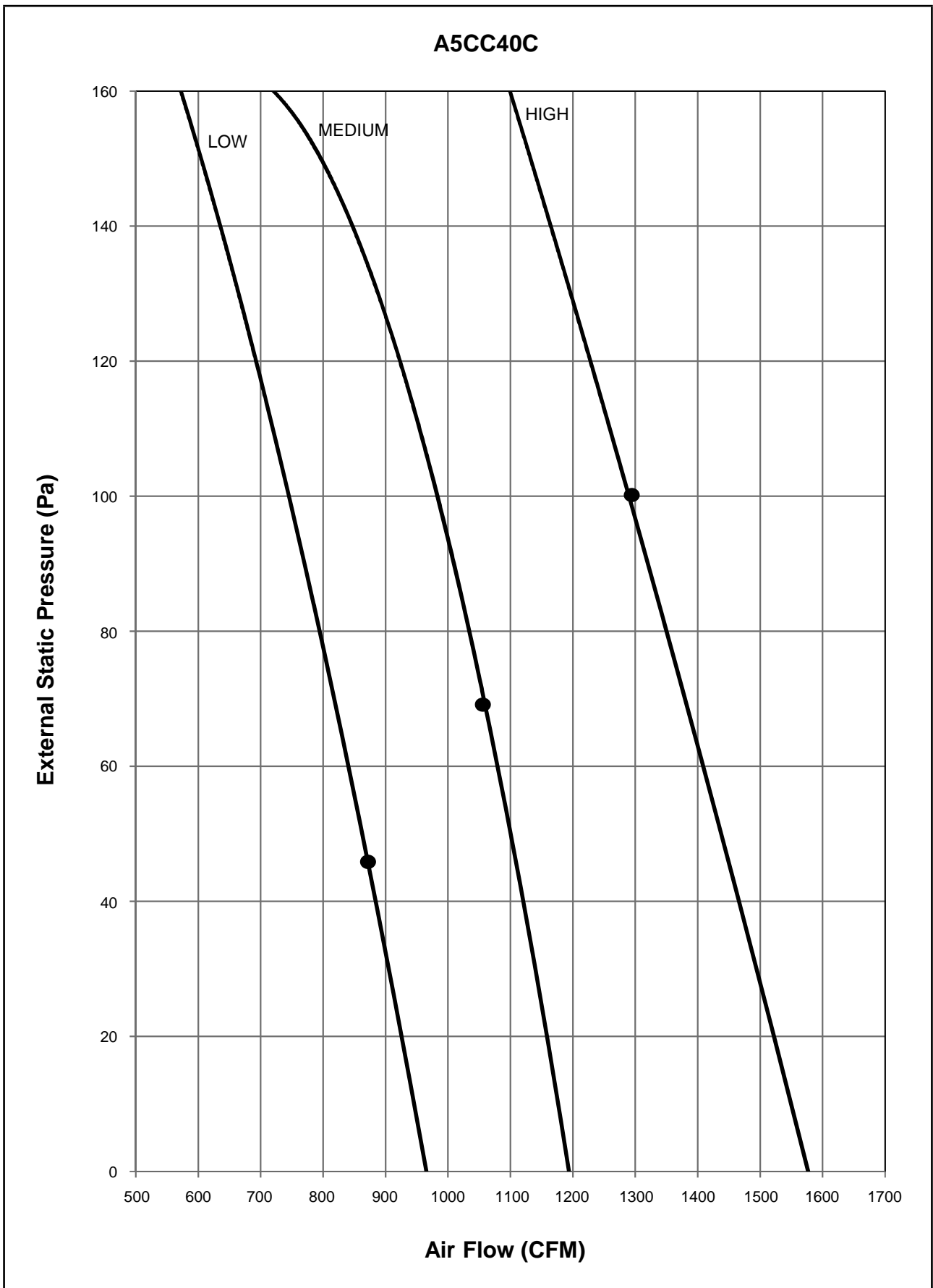


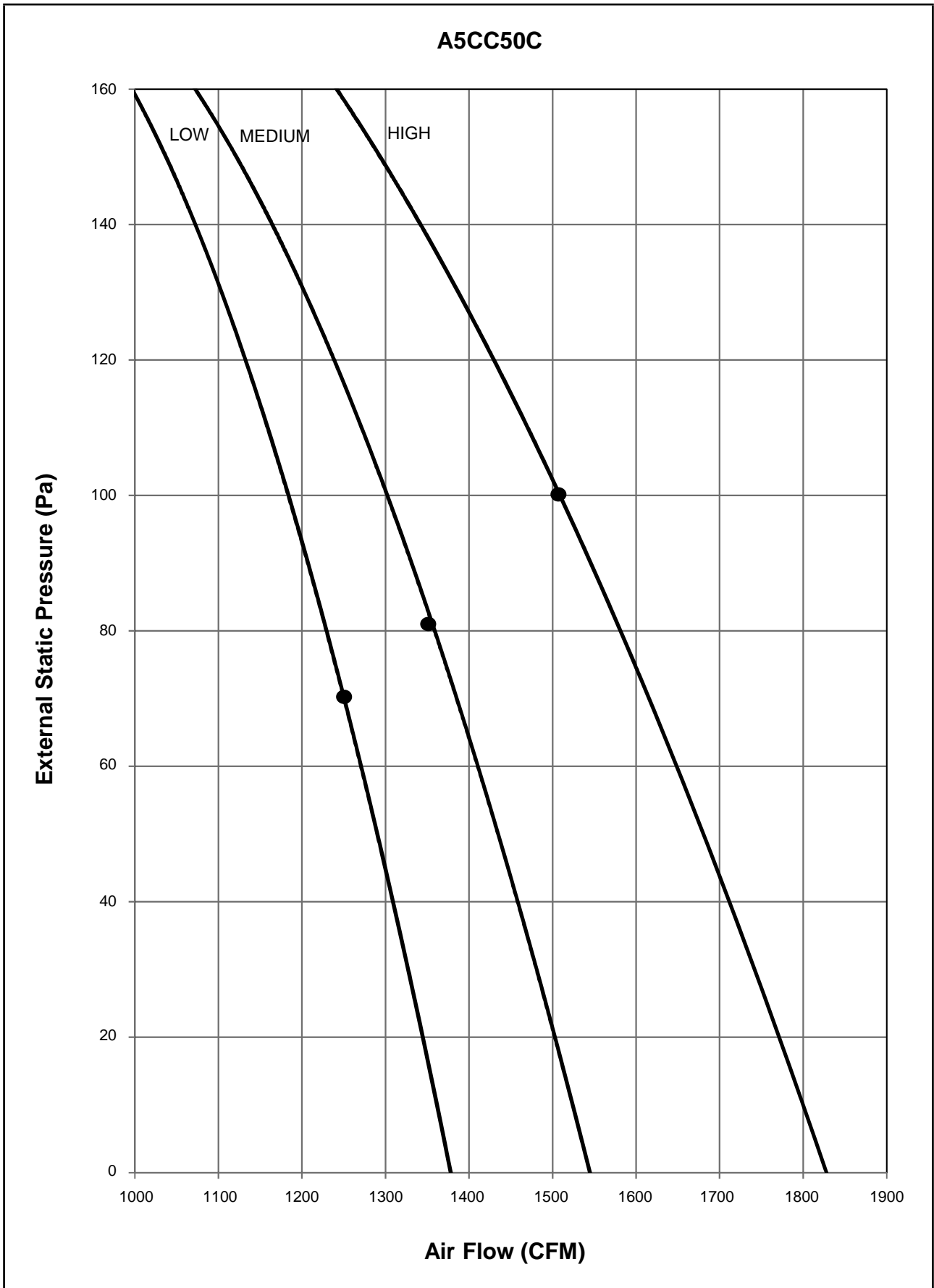


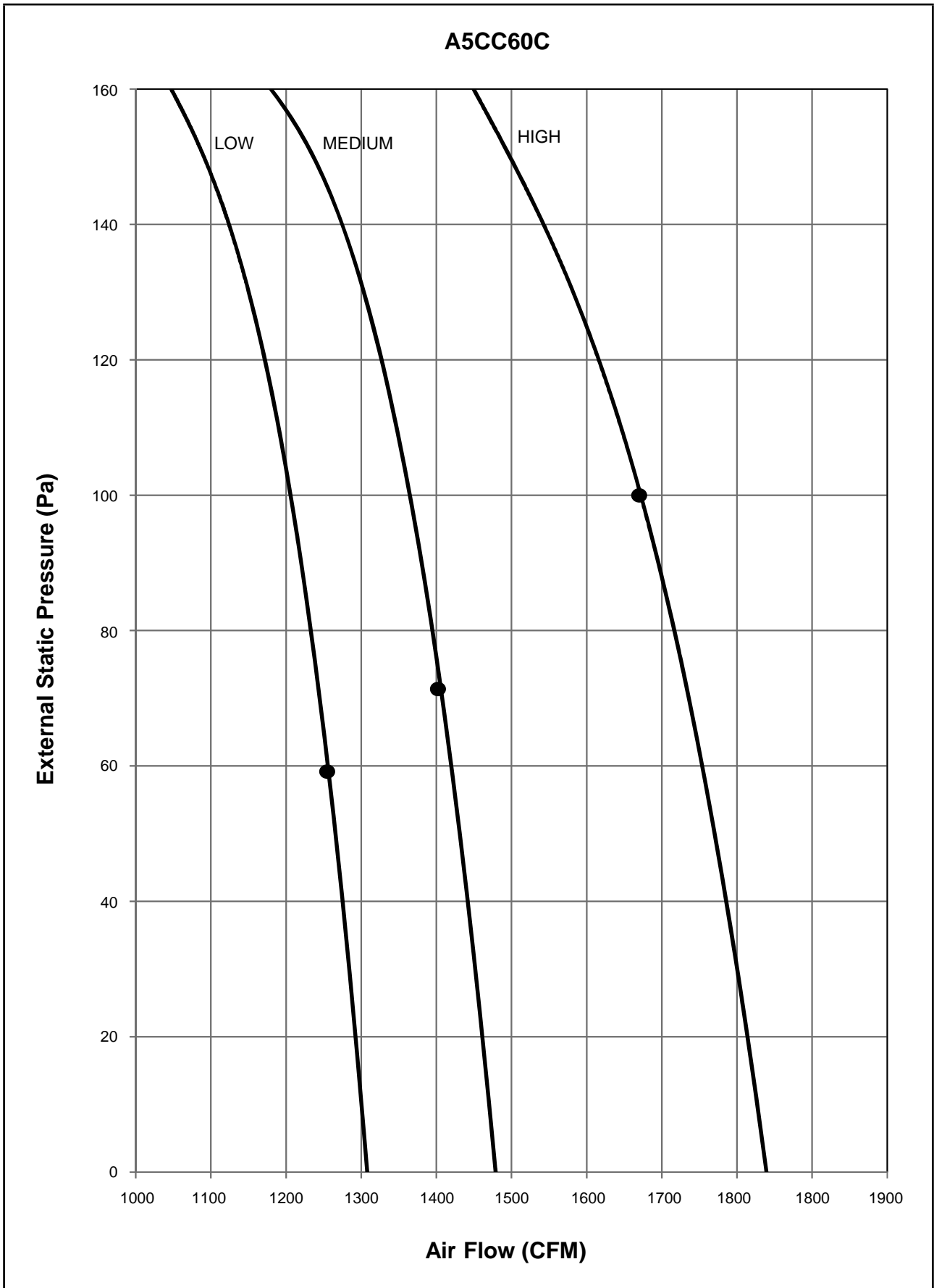






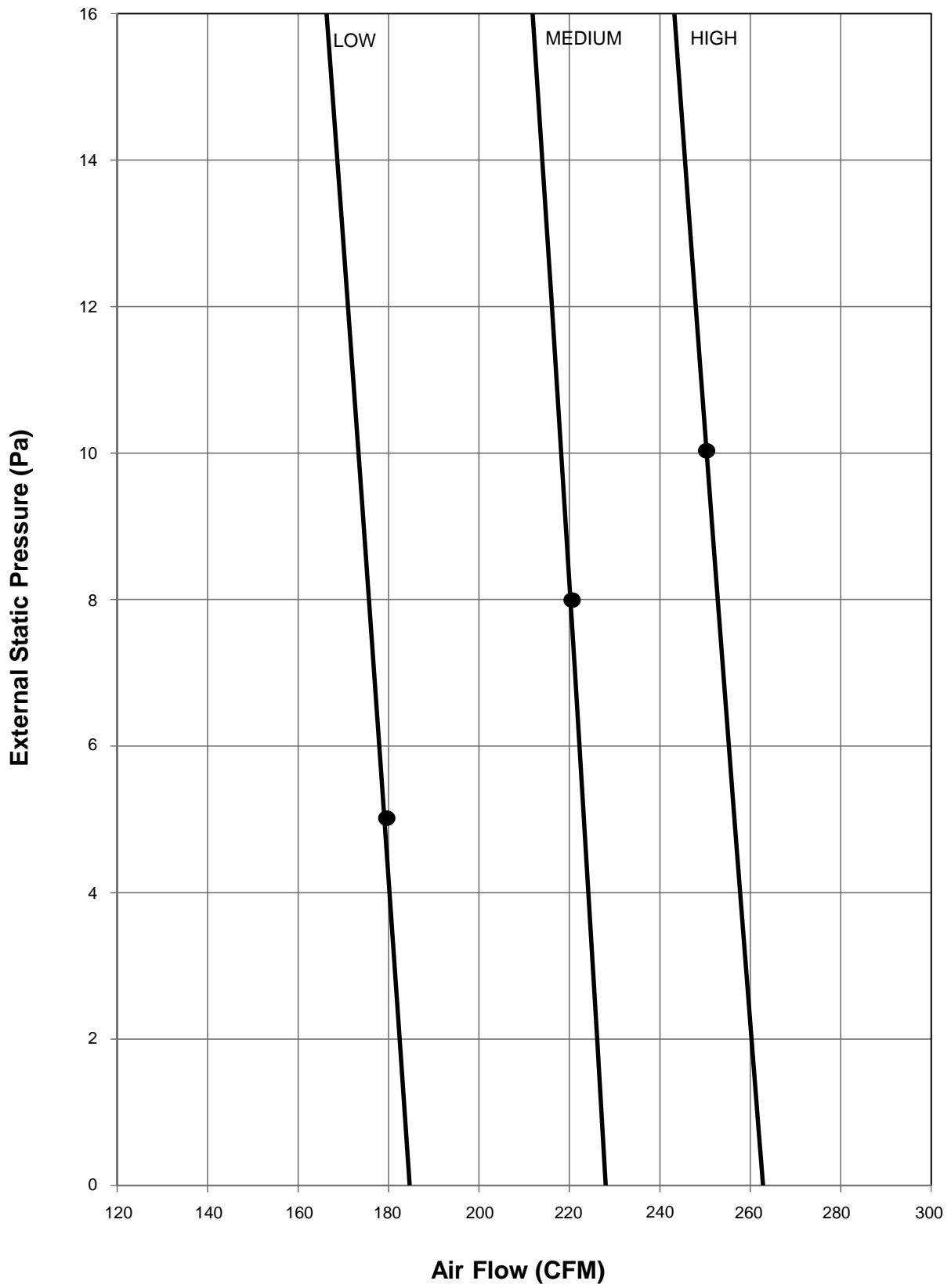


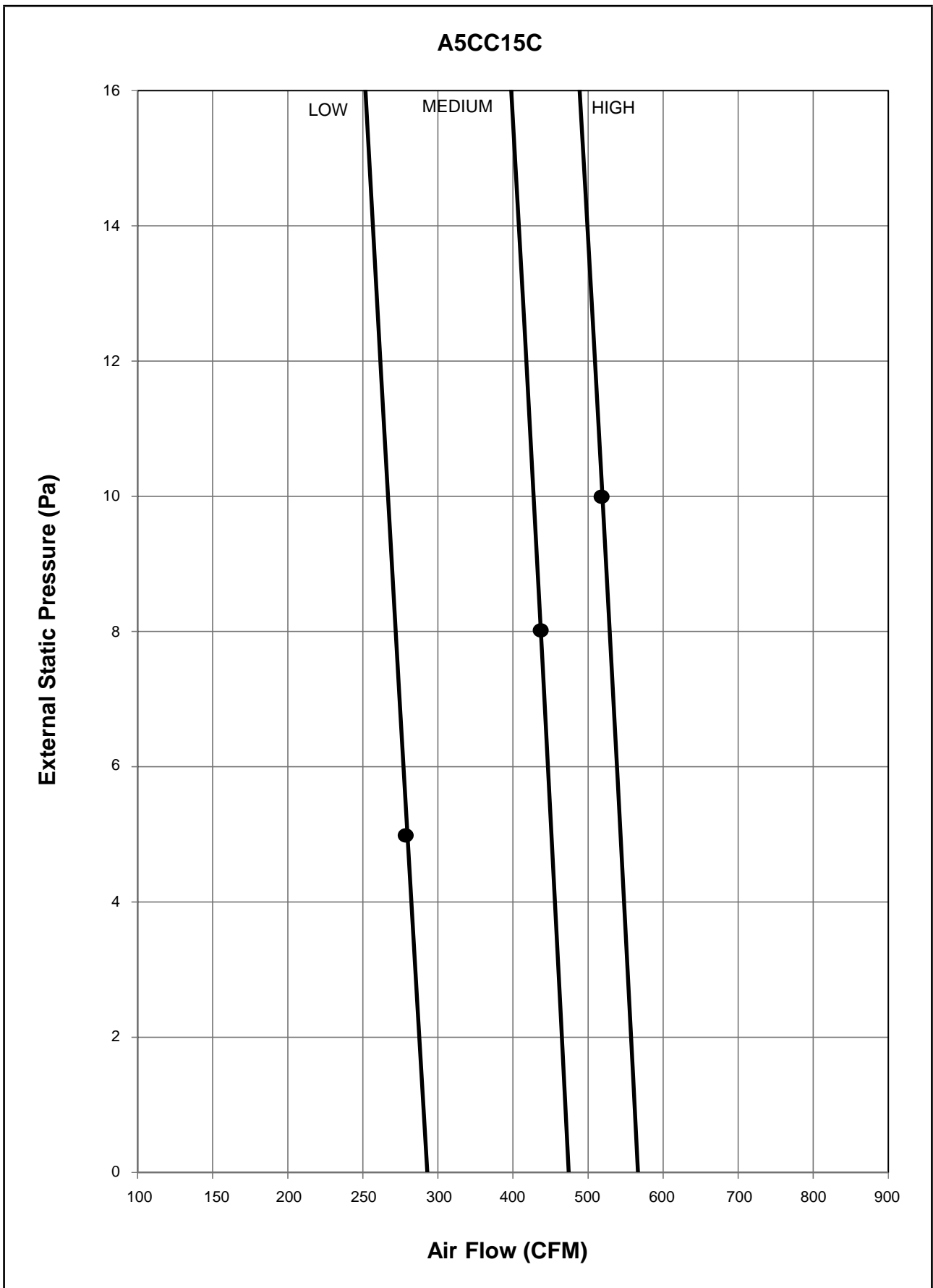


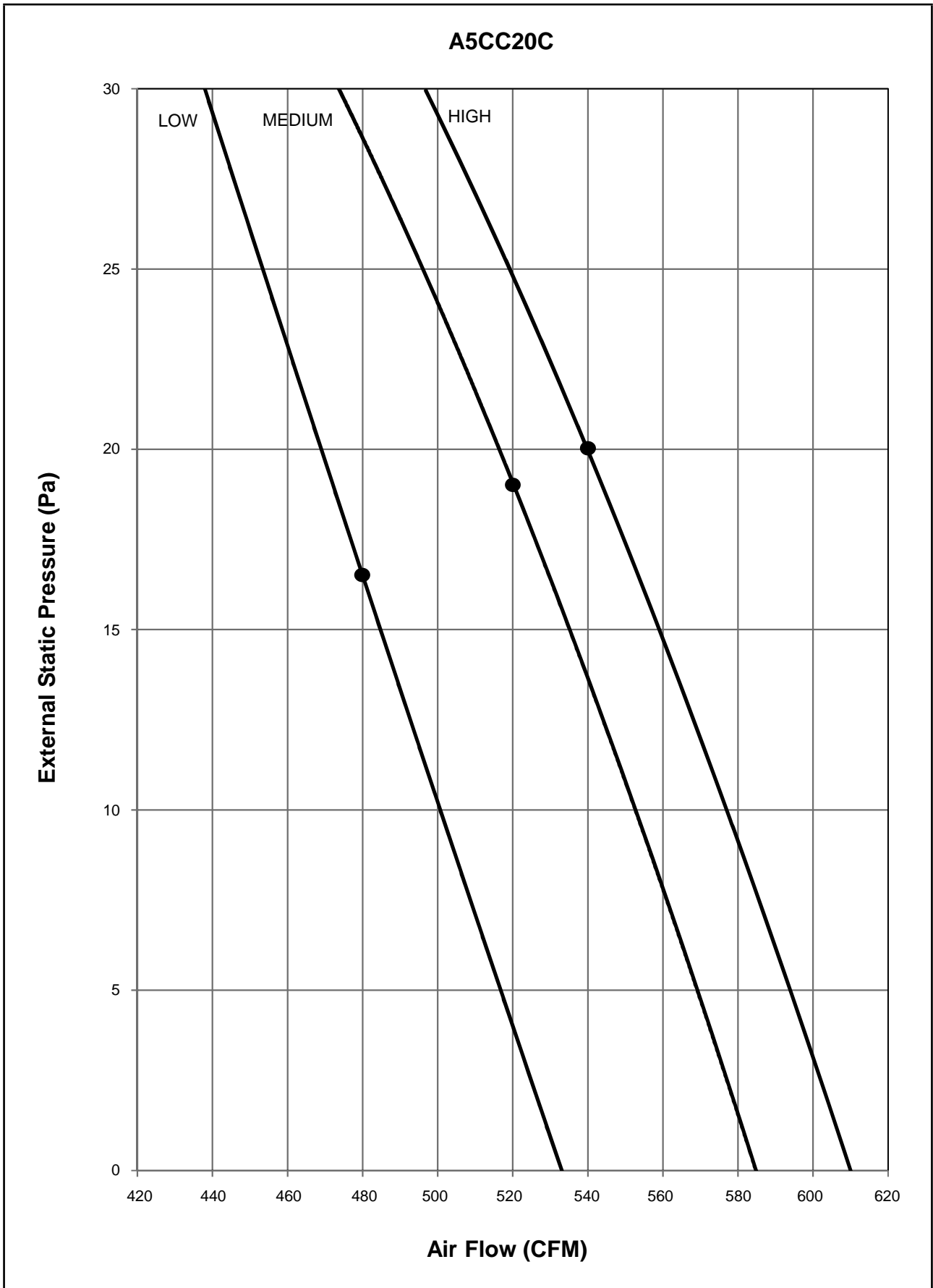


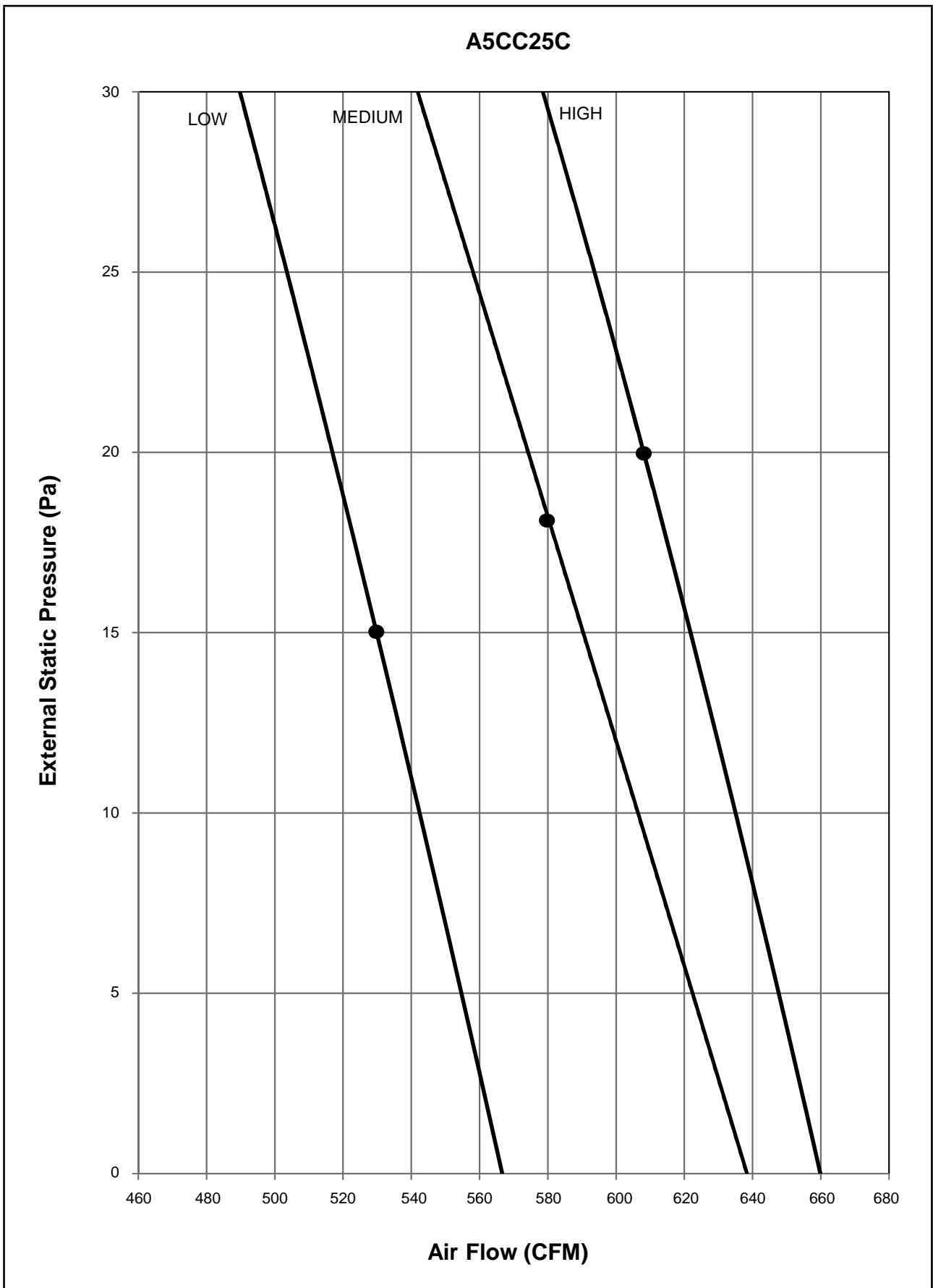
Blower Performance Curve (Low Static)

A5CC10C









Engineering & Physical Data

Engineering Data – R410A MODEL

MODEL		INDOOR UNIT		A5CC10C	A5CC15C	A5CC20C	
		OUTDOOR UNIT		A5LC10F	A5LC15F	A5LC20C	
NOMINAL COOLING CAPACITY			Btu/h	9000	12000	18000	
			W	2630	3510	5270	
NOMINAL TOTAL INPUT POWER (COOLING)			W	970	1430	1835	
NOMINAL RUNNING CURRENT (COOLING)			A	4.35	6.41	8.12	
EER			W/W	2.72	2.46	2.87	
REFRIGERANT CONTROL (EXPANSION DEVICE)				OUTDOOR CAP TUBE			
REFRIGERANT CHARGE			kg	0.67	0.95	1.00	
POWER SOURCE			V/Ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	
REFRIGERANT TYPE				R410A			
INDOOR UNIT	CONTROL		AIR DISCHARGE OPERATION				
			DUCTED				
			WIRED REMOTE CONTROL				
	AIR FLOW	HIGH		CFM	250	410	540
		MEDIUM		CFM	225	360	520
		LOW		CFM	200	330	470
	EXTERNAL STATIC PRESSURE (H/M/L)			Pa	30 / 25 / 18	30 / 23 / 19	40 / 37 / 30
	SOUND PRESSURE LEVEL (H/M/L)			dBA	33 / 30 / 26	37 / 34 / 29	39 / 38 / 37
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH	mm	261 X 765 X 411	261 X 905 X 411	261 X 1065 X 411
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH	mm	376 X 951 X 541	376 X 1091 X 541	379 X 1251 X 541
	UNIT WEIGHT			kg	18.0	22	24
	CONDENSATE DRAIN SIZE			mm	19.0		
	FAN		TYPE				
			CENTRIFUGAL				
			DIRECT				
	FAN MOTOR		TYPE				
			PERMANENT SPLIT CAPACITOR				
			INDEX OF PROTECTION (IP)				
			20				
			INSULATION GRADE				
		B					
		RATED INPUT POWER	W	61	108	145	
		RATED RUNNING CURRENT	A	0.26	0.48	0.66	
		MOTOR OUTPUT	W	30	50	90	
		POLES					
		4					
COIL		TUBE MATERIAL					
		DIAMETER					
		mm					
		FIN MATERIAL					
		FACE AREA					
		m ²					
		ROW					
		3					
AIR QUALITY		FILTER TYPE					
		SARANET					
		QUANTITY					
		pc					
		1					
		1					
		1					
CASING			COLOUR				
			WITHOUT POWDER PAINT				
AIR FLOW			CFM	927	827	1430	
SOUND PRESSURE LEVEL			dBA	46	48	52	
UNIT DIMENSION		HEIGHT X WIDTH X DEPTH	mm	550 X 658 X 273	550 X 658 X 273	651 X 855 X 328	
PACKING DIMENSION		HEIGHT X WIDTH X DEPTH	mm	580 X 775 X 355	580 X 775 X 355	693 X 990 X 415	
UNIT WEIGHT			kg	28	29	43	
PIPE CONNECTION		TYPE					
		FLARE VALVE					
		SIZE	LIQUID	mm	6.35	6.35	
			GAS	mm	9.52	12.70	
		PROPPELLER					
		DIRECT					
FAN MOTOR		TYPE					
		PERMANENT SPLIT CAPACITOR					
		INDEX OF PROTECTION (IP)					
		23					
		INSULATION GRADE					
		B					
		RATED INPUT POWER	W	50	51	78	
		RATED RUNNING CURRENT	A	0.22	0.23	0.34	
		MOTOR OUTPUT	W	20	20	32	
		POLES					
		6					
COMPRESSOR		TYPE					
		ROTARY					
		OIL TYPE	HAF68D1				
		OIL AMOUNT	cm ³	330	320	670	
		RATED INPUT POWER (COOLING)	W	859	1271	1612	
		RATED RUNNING CURRENT (COOLING)	A	3.87	5.70	7.12	
		LOCKED ROTOR AMP.	A	18.0	24.5	32.0	
COIL		TUBE MATERIAL					
		DIAMETER					
		mm					
		FIN MATERIAL					
		FACE AREA					
		m ²					
		ROW					
		1					
		2					
		1					
CASING			COLOUR				
			IVORY WHITE				

ALL UNITS ARE BEING TESTED AND COMPLIED TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING
INDOOR: 27°C DB / 19°C WB
OUTDOOR: 35°C DB / 24°C WB

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Engineering Data - R410A MODEL

MODEL	INDOOR UNIT		A5CC25C	A5CC30C	A5CC30C	A5CC40C	
	OUTDOOR UNIT		A5LC25C	A5LC28C	A5LC30C	A5LC35D	
NOMINAL COOLING CAPACITY	Btu/h		21000	26000	30000	36000	
	W		6150	7620	8790	10550	
NOMINAL TOTAL INPUT POWER (COOLING)	W		2080	2892	3150	4150	
NOMINAL RUNNING CURRENT (COOLING)	A		9.24	12.8	14.4	18.2	
EER	W/W		2.96	2.63	2.79	2.54	
REFRIGERANT CONTROL (EXPANSION DEVICE)			OUTDOOR CAP TUBE				
REFRIGERANT CHARGE	kg		1.75	1.80	2.00	1.90	
POWER SOURCE	V/Ph/Hz		220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	
REFRIGERANT TYPE			R410A				
CONTROL	AIR DISCHARGE OPERATION		DUCTED				
			WIRED REMOTE CONTROL				
AIR FLOW	HIGH		CFM	607	970	1300	
	MEDIUM		CFM	581	880	1060	
	LOW		CFM	512	750	870	
EXTERNAL STATIC PRESSURE (H/M/L)			Pa	50 / 46 / 35	100 / 82 / 60	100 / 82 / 60	100 / 67 / 45
SOUND PRESSURE LEVEL (H/M/L)			dBA	41 / 40 / 39	47 / 45 / 42	47 / 45 / 42	50 / 47 / 43
UNIT DIMENSION	HEIGHT X WIDTH X DEPTH		mm	261 X 1200 X 411	378 X 929 X 541	378 X 929 X 541	378 X 1045 X 541
PACKING DIMENSION	HEIGHT X WIDTH X DEPTH		mm	376 X 1386 X 541	415 X 1126 X 631	415 X 1126 X 631	415 X 1245 X 631
UNIT WEIGHT			kg	26	42	42	44
CONDENSATE DRAIN SIZE			mm	19.0			
FAN	TYPE		CENTRIFUGAL				
	DRIVE		DIRECT				
FAN MOTOR	TYPE		PERMANENT SPLIT CAPACITOR				
	INDEX OF PROTECTION (IP)			20	20	20	22
	INSULATION GRADE			B	B	B	B
	RATED INPUT POWER		W	157	384	384	491
	RATED RUNNING CURRENT		A	0.72	1.68	1.68	2.13
	MOTOR OUTPUT		W	90	180	180	360
	POLES			4	4	4	4
COIL	TUBE	MATERIAL	COPPER				
		DIAMETER	mm	7			
	FIN	MATERIAL	ALUMINIUM				
		FACE AREA	m ²	0.19	0.28	0.28	0.32
ROW			3				
AIR QUALITY	FILTER	TYPE	SARANET				
		QUANTITY	pc	1	2	2	2
CASING			COLOUR	WITHOUT POWDER PAINT			
AIR FLOW	CFM		1600	1712	1712	3000	
SOUND PRESSURE LEVEL	dBA		52	54	56	58	
UNIT DIMENSION	HEIGHT X WIDTH X DEPTH		mm	651 X 855 X 328	753 X 855 X 328	753 X 855 X 328	852 X 1030 X 400
PACKING DIMENSION	HEIGHT X WIDTH X DEPTH		mm	693 X 990 X 415	793 X 990 X 415	793 X 990 X 415	1010 X 1180 X 514
UNIT WEIGHT	kg		47	57	57	71	
PIPE CONNECTION	SIZE	TYPE	FLARE VALVE				
		LIQUID	mm	6.35	9.52	9.52	9.52
		GAS	mm	15.88	15.88	15.88	15.88
FAN	TYPE		PROPELLER				
	DRIVE		DIRECT				
FAN MOTOR	TYPE		PERMANENT SPLIT CAPACITOR				
	INDEX OF PROTECTION (IP)			24	23	24	54
	INSULATION GRADE			F	F	F	F
	RATED INPUT POWER		W	121	124	123	223
	RATED RUNNING CURRENT		A	0.53	0.54	0.54	0.98
	MOTOR OUTPUT		W	61	66	70	145
	POLES			6	6	6	8
COMPRESSOR	TYPE		ROTARY			TWIN ROTARY	
	OIL TYPE		FV50S	FV50S	FV50S	FV50S	
	OIL AMOUNT		cm ³	670	1130	700	1300
	RATED INPUT POWER (COOLING)		W	1802	2499	2643	3436
	RATED RUNNING CURRENT (COOLING)		A	7.99	10.98	12.18	15.09
LOCKED ROTOR AMP.		A	32.3	63	64.0	68.0	
COIL	TUBE	MATERIAL	COPPER				
		DIAMETER	mm	7			
	FIN	MATERIAL	ALUMINIUM				
		FACE AREA	m ²	0.50	0.61	0.61	0.87
ROW			2	2	2	1	
CASING			COLOUR	IVORY WHITE			

ALL UNITS ARE BEING TESTED AND COMPLIED TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING
INDOOR: 27°C DB / 19°C WB
OUTDOOR: 35°C DB / 24°C WB

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Engineering Data - R410A MODEL

MODEL	INDOOR UNIT		A5CC40C	A5CC50C	A5CC60C		
	OUTDOOR UNIT		A5LC40D	A5LC50D	A5LC61D		
NOMINAL COOLING CAPACITY			Btu/h	42000	47000	55000	
			W	12310	13770	16120	
NOMINAL TOTAL INPUT POWER (COOLING)			W	4500	5100	5758	
NOMINAL RUNNING CURRENT (COOLING)			A	7.06	8.66	9.40	
EER			W/W	2.74	2.70	2.80	
REFRIGERANT CONTROL (EXPANSION DEVICE)			OUTDOOR CAP TUBE				
REFRIGERANT CHARGE			kg	2.70	2.50	2.80	
POWER SOURCE			V/Ph/Hz	380-415 / 3 / 50	380-415 / 3 / 50	380-415 / 3 / 50	
REFRIGERANT TYPE			R410A				
INDOOR UNIT	CONTROL	AIR DISCHARGE OPERATION		DUCTED			
				WIRED REMOTE CONTROL			
	AIR FLOW	HIGH		CFM	1300	1500	1660
		MEDIUM		CFM	1060	1350	1400
		LOW		CFM	870	1250	1260
	EXTERNAL STATIC PRESSURE (H/M/L)		Pa	100 / 67 / 45	100 / 81 / 70	100 / 72 / 58	
	SOUND PRESSURE LEVEL (H/M/L)		dBA	50 / 47 / 43	51 / 48 / 46	52 / 50 / 47	
	UNIT DIMENSION	HEIGHT X WIDTH X DEPTH		mm	378 X 1045 X 541	378 X 1299 X 541	378 X 1499 X 541
	PACKING DIMENSION	HEIGHT X WIDTH X DEPTH		mm	415 X 1245 X 631	415 X 1497 X 631	415 X 1701 X 631
	UNIT WEIGHT			kg	44	50	56
	CONDENSATE DRAIN SIZE				19.0		
	FAN	TYPE		CENTRIFUGAL			
		DRIVE		DIRECT			
	FAN MOTOR	TYPE		PERMANENT SPLIT CAPACITOR			
		INDEX OF PROTECTION (IP)		20			
		INSULATION GRADE		B			
		RATED INPUT POWER	W	491	542	617	
		RATED RUNNING CURRENT	A	2.13	2.38	2.68	
		MOTOR OUTPUT	W	360	400	400	
		POLES			4		
COIL	TUBE	MATERIAL		COPPER			
		DIAMETER	mm	7			
	FIN	MATERIAL		ALUMINIUM			
		FACE AREA	m ²	0.32	0.41	0.48	
		ROW		3			
AIR QUALITY	FILTER	TYPE		SARANET			
		QUANTITY		pc	2	2	2
CASING		COLOUR		WITHOUT POWDER PAINT			
AIR FLOW				CFM	3150	3400	3800
SOUND PRESSURE LEVEL				dBA	60	63	65
UNIT DIMENSION	HEIGHT X WIDTH X DEPTH		mm	852 X 1030 X 400	852 X 1030 X 400	852 X 1030 X 400	
PACKING DIMENSION	HEIGHT X WIDTH X DEPTH		mm	1010 X 1180 X 514	1010 X 1180 X 514	1010 X 1180 X 514	
UNIT WEIGHT			kg	95	98	105	
PIPE CONNECTION	SIZE	TYPE		FLARE VALVE			
		LIQUID		mm	9.52	9.52	9.52
		GAS		mm	15.88	15.88	19.05
FAN	TYPE		PROPELLER				
	DRIVE		DIRECT				
FAN MOTOR	TYPE		PERMANENT SPLIT CAPACITOR				
	INDEX OF PROTECTION (IP)		44				
	INSULATION GRADE		F				
	RATED INPUT POWER	W	276	406	496		
	RATED RUNNING CURRENT	A	1.34	1.76	2.18		
	MOTOR OUTPUT	W	145	245	400		
	POLES			8			
COMPRESSOR	TYPE		SCROLL				
	OIL TYPE		MOBILE EAL ARCTIC 22C				
	OIL AMOUNT	cm ³	1951	1656	1774		
	RATED INPUT POWER (COOLING)	W	3733	4152	4645		
	RATED RUNNING CURRENT (COOLING)	A	5.90	7.28	7.78		
	LOCKED ROTOR AMP.	A	51.5	74.0	74.0		
COIL	TUBE	MATERIAL		COPPER			
		DIAMETER	mm	7			
	FIN	MATERIAL		ALUMINIUM			
		FACE AREA	m ²	0.85	0.85	0.82	
		ROW		2			
CASING		COLOUR		IVORY WHITE			

ALL UNITS ARE BEING TESTED AND COMPLIED TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING
INDOOR: 27°C DB / 19°C WB
OUTDOOR: 35°C DB / 24°C WB

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Engineering Data - R410A MODEL (Low Static)

MODEL		INDOOR UNIT	A5CC10C	A5CC15C	A5CC20C	A5CC25C	
		OUTDOOR UNIT	A5LC10F	A5LC15F	A5LC20C	A5LC25C	
NOMINAL COOLING CAPACITY		Btu/h	9000	12000	18000	21000	
		W	2630	3510	5270	6150	
NOMINAL TOTAL INPUT POWER (COOLING)		W	977	1420	1799	2042	
NOMINAL RUNNING CURRENT (COOLING)		A	4.38	6.35	7.93	9.03	
EER		W/W	2.70	2.48	2.93	3.01	
REFRIGERANT CONTROL (EXPANSION DEVICE)			OUTDOOR CAP TUBE				
REFRIGERANT CHARGE		kg	0.75	0.875	1.00	1.75	
POWER SOURCE		V/Ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	
REFRIGERANT TYPE			R410A				
INDOOR UNIT	CONTROL	AIR DISCHARGE OPERATION		DUCTED			
				WIRED REMOTE CONTROL			
	AIR FLOW	HIGH	CFM	250	410	540	607
		MEDIUM	CFM	220	370	520	580
		LOW	CFM	180	280	480	530
	EXTERNAL STATIC PRESSURE (H/M/L)		Pa	10 / 8 / 5	10 / 8 / 5	20 / 19 / 16	20 / 18 / 15
	SOUND PRESSURE LEVEL (H/M/L)		dBA	32 / 29 / 26	36 / 33 / 27	38 / 37 / 35	40 / 39 / 38
	UNIT DIMENSION	HEIGHT X WIDTH X DEPTH	mm	261 X 765 X 411	261 X 905 X 411	261 X 1065 X 411	261 X 1200 X 411
	PACKING DIMENSION	HEIGHT X WIDTH X DEPTH	mm	376 X 951 X 541	376 X 1091 X 541	379 X 1251 X 541	376 X 1386 X 541
	UNIT WEIGHT		kg	18.0	22	24	26
	CONDENSATE DRAIN SIZE		mm	19.0			
	FAN	TYPE		CENTRIFUGAL			
		DRIVE		DIRECT			
	FAN MOTOR	TYPE		PERMANENT SPLIT CAPACITOR			
		INDEX OF PROTECTION (IP)		20	20	20	20
		INSULATION GRADE		B	B	B	B
		RATED INPUT POWER	W	68	98	109	119
		RATED RUNNING CURRENT	A	0.29	0.42	0.47	0.51
		MOTOR OUTPUT	W	20	40	60	60
		POLES		4	4	4	4
COIL	TUBE	MATERIAL	COPPER				
		DIAMETER	7				
	FIN	MATERIAL	ALUMINIUM				
		FACE AREA	m ²	0.11	0.13	0.16	0.19
ROW		3	3	3	3		
AIR QUALITY	FILTER	TYPE	SARANET				
		QUANTITY	1	1	1	1	
CASING		COLOUR	WITHOUT POWDER PAINT				
AIR FLOW		CFM	927	827	1430	1600	
SOUND PRESSURE LEVEL		dBA	46	48	52	52	
UNIT DIMENSION	HEIGHT X WIDTH X DEPTH	mm	550 X 658 X 273	550 X 658 X 273	651 X 855 X 328	651 X 855 X 328	
PACKING DIMENSION	HEIGHT X WIDTH X DEPTH	mm	580 X 775 X 355	580 X 775 X 355	693 X 990 X 415	693 X 990 X 415	
UNIT WEIGHT		kg	28	29	43	47	
PIPE CONNECTION	SIZE	TYPE		FLARE VALVE			
		LIQUID	mm	6.35	6.35	6.35	6.35
		GAS	mm	9.52	12.70	12.70	15.88
FAN	TYPE		PROPELLER				
	DRIVE		DIRECT				
FAN MOTOR	TYPE		PERMANENT SPLIT CAPACITOR				
	INDEX OF PROTECTION (IP)		23	23	24	24	
	INSULATION GRADE		B	B	F	F	
	RATED INPUT POWER	W	50	51	78	121	
	RATED RUNNING CURRENT	A	0.22	0.23	0.34	0.53	
	MOTOR OUTPUT	W	20	20	32	61	
	POLES		6	6	6	6	
COMPRESSOR	TYPE		ROTARY				
	OIL TYPE		HAF68D1	RB68EP	FV50S	FV50S	
	OIL AMOUNT	cm ³	330	320	670	670	
	RATED INPUT POWER (COOLING)	W	859	1271	1612	1802	
	RATED RUNNING CURRENT (COOLING)	A	3.87	5.70	7.12	7.99	
	LOCKED ROTOR AMP.	A	18.0	24.5	32.0	32.3	
COIL	TUBE	MATERIAL	COPPER				
		DIAMETER	7				
	FIN	MATERIAL	ALUMINIUM				
		FACE AREA	m ²	0.33	0.32	0.51	0.50
ROW		1	2	1	2		
CASING		COLOUR	IVORY WHITE				

ALL UNITS ARE BEING TESTED AND COMPLIED TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING
INDOOR: 27°C DB / 19°C WB
OUTDOOR: 35°C DB / 24°C WB

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Safety Device

MODEL	INDOOR		A5CC10/15C	A5CC20/25/30C
	OUTDOOR		A5LC10/15F	A5LC20/25/28/30C
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE		N/A
		OPEN	kPa / psi	N/A
		CLOSE	kPa / psi	N/A
	LOW PRESSURE SWITCH	TYPE		N/A
		OPEN	kPa / psi	N/A
		CLOSE	kPa / psi	N/A
	PHASE SEQUENCER			N/A
	DISC. THERMOSTAT SETTING		°C / F	N/A

MODEL	INDOOR		A5CC40C	A5CC40/50/60C
	OUTDOOR		A5LC35D	A5LC40/50/61D
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE		NC
		OPEN	kPa / psi	4140 / 600
		CLOSE	kPa / psi	3310 / 480
	LOW PRESSURE SWITCH	TYPE		NC
		OPEN	kPa / psi	48 / 7
		CLOSE	kPa / psi	152 / 22
	PHASE SEQUENCER			N/A
	DISC. THERMOSTAT SETTING		°C / F	N/A
			YES	
			125/257	

Performance Data

Calculation Steps

Interpolation method can be used to get the total cooling capacity, **TC** and sensible cooling capacity, **SC** and power input, **PI** at those temperatures which are not stated out in the table. Extrapolation method is not allowed to be used.

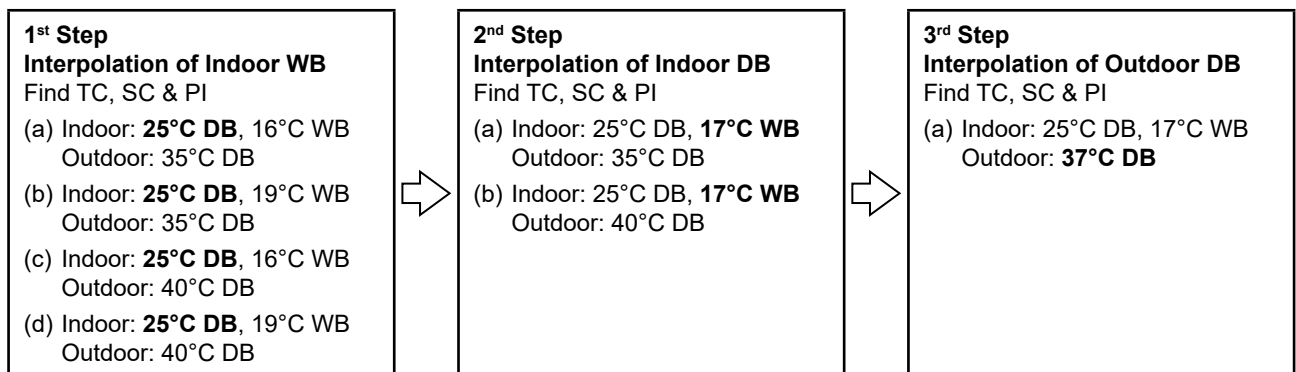
Example:

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
195	16°C	21°C	2.02	1.54	0.49	1.95	1.50	0.53	1.87	1.46	0.58	1.80	1.42	0.63	1.65	1.32	0.68	1.52	1.24	0.75
		24°C	2.02	1.84	0.49	1.95	1.80	0.53	1.88	1.76	0.58	1.80	1.71	0.63	1.66	1.60	0.68	1.53	1.51	0.75
		27°C	2.04	2.04	0.49	1.97	1.97	0.54	1.90	1.90	0.58	1.83	1.83	0.63	1.69	1.69	0.68	1.57	1.57	0.75
		30°C	2.10	2.10	0.50	2.04	2.04	0.54	1.98	1.98	0.58	1.91	1.91	0.63	1.77	1.77	0.69	1.66	1.66	0.76
	19°C	24°C	2.23	1.44	0.50	2.15	1.40	0.54	2.07	1.36	0.59	1.99	1.32	0.64	1.83	1.23	0.69	1.69	1.16	0.76
		27°C	2.23	1.64	0.50	2.15	1.61	0.54	2.07	1.57	0.59	1.99	1.53	0.64	1.83	1.43	0.69	1.69	1.36	0.76
		30°C	2.23	2.03	0.50	2.15	1.99	0.54	2.08	1.94	0.59	2.00	1.89	0.64	1.84	1.77	0.69	1.71	1.68	0.76
		33°C	2.26	2.26	0.50	2.18	2.18	0.54	2.11	2.11	0.59	2.04	2.04	0.64	1.89	1.89	0.70	1.77	1.77	0.77
	22°C	27°C	2.45	1.41	0.51	2.36	1.37	0.55	2.28	1.34	0.60	2.19	1.30	0.65	2.01	1.21	0.71	1.86	1.14	0.78
		30°C	2.45	1.71	0.51	2.36	1.68	0.55	2.28	1.64	0.60	2.19	1.60	0.65	2.01	1.50	0.71	1.86	1.42	0.78
		33°C	2.45	2.00	0.51	2.37	1.96	0.55	2.28	1.92	0.60	2.19	1.88	0.65	2.02	1.77	0.71	1.87	1.68	0.78
		36°C	2.46	2.27	0.51	2.38	2.22	0.55	2.29	2.18	0.60	2.21	2.13	0.65	2.04	2.00	0.71	1.90	1.89	0.78

Solution:

Based on the Performance Table,

- Refer to the Indoor DB column,
 - **25°C** is located between 24°C & 27°C for 16°C WB.
 - **25°C** is located between 24°C & 27°C for 19°C WB.
 - Thus, Interpolation needs to be applied.
- Refer to the Indoor WB column,
 - **17°C** is located between 16°C & 19°C for 25°C DB.
 - Thus, Interpolation needs to be applied.
- Refer to the Outdoor DB column,
 - **37°C** is located between 35°C & 40°C.
 - Thus, Interpolation needs to be applied.



Details of Calculation:**1st Step:**

To obtain the TC, SC & PI for

- (a) **Indoor Condition:** 25°C DB, 16°C WB
Outdoor Condition: 35°C DB

EWB	EDB	Outdoor temperature			
		35°C			
		TC	SC	PI	
		⋮	⋮	⋮	
16	24		1.80	1.71	0.63
	25	-----	x_1	y_1	z_1
	27		1.83	1.83	0.63

By Interpolation Method

$$\Rightarrow \frac{25^\circ\text{C} - 24^\circ\text{C}}{27^\circ\text{C} - 24^\circ\text{C}} = \frac{x_1 - 1.80\text{kW}}{1.83\text{kW} - 1.80\text{kW}}$$

$$\Rightarrow x_1 = 1.81\text{kW}$$

Similarly,

$$y_1 = 1.75\text{kW}$$

$$z_1 = 0.63\text{kW}$$

- (b) **Indoor Condition:** 25°C DB, 19°C WB
Outdoor Condition: 35°C DB

EWB	EDB	Outdoor temperature			
		35°C			
		TC	SC	PI	
		⋮	⋮	⋮	
19	24		1.99	1.32	0.64
	25	-----	x_2	y_2	z_2
	27		1.99	1.53	0.64

By Interpolation Method

$$\Rightarrow \frac{25^\circ\text{C} - 24^\circ\text{C}}{27^\circ\text{C} - 24^\circ\text{C}} = \frac{x_2 - 1.99\text{kW}}{1.99\text{kW} - 1.99\text{kW}}$$

$$\Rightarrow x_2 = 1.99\text{kW}$$

Similarly,

$$y_2 = 1.39\text{kW}$$

$$z_2 = 0.64\text{kW}$$

Repeat the same process for (c) & (d) in 1st Step

$$(d) x_4 = 1.83 \text{ W}; y_4 = 1.30 \text{ kW}; z_4 = 0.69 \text{ kW}$$

$$(c) x_3 = 1.69 \text{ kW}; y_3 = 1.63 \text{ kW}; z_3 = 0.68 \text{ kW}$$

2nd Step:

To obtain the TC, SC & PI for

- (a) **Indoor Condition:** 25°C DB, 17°C WB
Outdoor Condition: 35°C DB

EWB	EDB	Outdoor temperature			
		35°C			
		TC	SC	PI	
		⋮	⋮	⋮	
16	25		1.81	1.75	0.63
17		-----	x_5	y_5	z_5
19			1.99	1.39	0.64

By Interpolation Method

$$\Rightarrow \frac{17^\circ\text{C} - 16^\circ\text{C}}{19^\circ\text{C} - 16^\circ\text{C}} = \frac{x_5 - 1.81\text{kW}}{1.99\text{kW} - 1.81\text{kW}}$$

$$\Rightarrow x_5 = 1.87\text{kW}$$

Similarly,

$$y_5 = 1.63\text{kW}$$

$$z_5 = 0.63\text{kW}$$

Repeat the same process for (b) in 2nd Step

$$(c) x_6 = 1.74 \text{ kW}; y_6 = 1.52 \text{ kW}; z_6 = 0.68 \text{ kW}$$

3rd Step:

To obtain the TC, SC & PI for

(a) Indoor Condition: 25°C DB, 17°C WB

Outdoor Condition: 37°C DB

EWB	EDB	Outdoor temperature								
		35°C			37°C			40°C		
		TC	SC	PI	TC	SC	PI	TC	SC	PI
25	17	1.87	1.63	0.63	x	y	z	1.74	1.52	0.68

By Interpolation Method

$$\Rightarrow \frac{37^{\circ}\text{C} - 35^{\circ}\text{C}}{40^{\circ}\text{C} - 35^{\circ}\text{C}} = \frac{x - 1.87\text{kW}}{1.74\text{kW} - 1.87\text{kW}}$$

$$\Rightarrow x = 1.82\text{kW}$$

Similarly,

$$y = 1.59\text{kW}$$

$$z = 0.65\text{kW}$$

Performance Tables

R410A Cooling Only (Medium Static)

Model: A5CC10C - A5LC10F

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
200	16°C	21°C	2.48	1.64	0.74	2.39	1.60	0.80	2.30	1.55	0.86	2.21	1.51	0.94	2.03	1.40	1.02	1.87	1.32	1.12
		24°C	2.48	1.96	0.74	2.40	1.92	0.80	2.31	1.87	0.86	2.21	1.83	0.94	2.03	1.70	1.02	1.88	1.61	1.12
		27°C	2.50	2.22	0.74	2.42	2.17	0.80	2.33	2.12	0.87	2.25	2.07	0.94	2.07	1.92	1.02	1.93	1.81	1.12
		30°C	2.58	2.58	0.74	2.51	2.51	0.80	2.43	2.43	0.87	2.35	2.35	0.95	2.18	2.18	1.03	2.04	2.04	1.13
	19°C	24°C	2.74	1.53	0.75	2.64	1.49	0.81	2.54	1.45	0.88	2.44	1.41	0.95	2.24	1.31	1.03	2.07	1.24	1.14
		27°C	2.74	1.75	0.75	2.64	1.71	0.81	2.54	1.67	0.88	2.44	1.63	0.95	2.25	1.53	1.03	2.08	1.45	1.14
		30°C	2.74	2.16	0.75	2.65	2.11	0.81	2.55	2.07	0.88	2.46	2.02	0.95	2.26	1.89	1.03	2.10	1.78	1.14
		33°C	2.77	2.77	0.75	2.68	2.68	0.81	2.60	2.60	0.88	2.51	2.51	0.96	2.32	2.32	1.04	2.17	2.17	1.15
	22°C	27°C	3.01	1.50	0.76	2.91	1.46	0.83	2.80	1.42	0.90	2.69	1.38	0.97	2.47	1.29	1.05	2.29	1.22	1.16
		30°C	3.01	1.82	0.76	2.91	1.79	0.83	2.80	1.74	0.90	2.69	1.70	0.97	2.47	1.59	1.05	2.29	1.51	1.16
		33°C	3.01	2.13	0.76	2.91	2.09	0.83	2.80	2.05	0.90	2.69	2.01	0.97	2.48	1.88	1.05	2.30	1.79	1.16
		36°C	3.02	2.42	0.76	2.92	2.37	0.83	2.82	2.32	0.90	2.72	2.27	0.97	2.51	2.13	1.06	2.33	2.02	1.16
225	16°C	21°C	2.58	1.71	0.74	2.49	1.66	0.80	2.39	1.62	0.87	2.30	1.57	0.94	2.11	1.47	1.02	1.94	1.38	1.13
		24°C	2.59	2.07	0.74	2.49	2.02	0.80	2.40	1.98	0.87	2.30	1.93	0.95	2.12	1.80	1.03	1.96	1.70	1.13
		27°C	2.62	2.35	0.75	2.53	2.30	0.81	2.44	2.24	0.87	2.36	2.17	0.95	2.18	2.02	1.03	2.03	1.89	1.14
		30°C	2.73	2.73	0.75	2.65	2.65	0.81	2.57	2.57	0.88	2.49	2.49	0.96	2.30	2.30	1.04	2.15	2.15	1.15
	19°C	24°C	2.84	1.62	0.76	2.74	1.58	0.82	2.64	1.53	0.89	2.53	1.49	0.96	2.33	1.39	1.04	2.15	1.31	1.15
		27°C	2.85	1.86	0.76	2.75	1.82	0.82	2.64	1.78	0.89	2.54	1.74	0.96	2.33	1.62	1.04	2.16	1.54	1.15
		30°C	2.86	2.30	0.76	2.76	2.25	0.82	2.66	2.20	0.89	2.56	2.14	0.96	2.36	2.00	1.05	2.19	1.89	1.15
		33°C	2.91	2.91	0.76	2.82	2.82	0.82	2.73	2.73	0.89	2.64	2.64	0.97	2.45	2.45	1.05	2.29	2.29	1.16
	22°C	27°C	3.12	1.58	0.77	3.01	1.54	0.83	2.90	1.51	0.90	2.79	1.47	0.98	2.56	1.37	1.06	2.37	1.29	1.17
		30°C	3.13	1.94	0.77	3.02	1.90	0.83	2.90	1.86	0.90	2.79	1.82	0.98	2.56	1.70	1.06	2.37	1.61	1.17
		33°C	3.13	2.27	0.77	3.02	2.23	0.83	2.91	2.19	0.90	2.80	2.14	0.98	2.57	2.01	1.06	2.39	1.91	1.17
		36°C	3.15	2.57	0.77	3.05	2.52	0.84	2.94	2.47	0.91	2.84	2.41	0.98	2.62	2.26	1.07	2.44	2.13	1.18
250	16°C	21°C	2.68	1.78	0.75	2.58	1.74	0.81	2.48	1.69	0.88	2.38	1.64	0.95	2.18	1.53	1.03	2.01	1.44	1.14
		24°C	2.69	2.17	0.75	2.59	2.11	0.81	2.49	2.06	0.88	2.39	2.01	0.95	2.20	1.87	1.03	2.03	1.77	1.14
		27°C	2.73	2.48	0.75	2.64	2.42	0.81	2.55	2.35	0.88	2.46	2.28	0.96	2.28	2.11	1.04	2.12	1.97	1.15
		30°C	2.87	2.87	0.76	2.79	2.79	0.82	2.70	2.70	0.89	2.61	2.61	0.97	2.42	2.42	1.05	2.26	2.26	1.16
	19°C	24°C	2.94	1.71	0.76	2.84	1.67	0.82	2.73	1.62	0.89	2.62	1.58	0.97	2.40	1.47	1.05	2.22	1.39	1.16
		27°C	2.95	1.98	0.76	2.85	1.93	0.83	2.74	1.89	0.89	2.63	1.84	0.97	2.41	1.72	1.05	2.23	1.63	1.16
		30°C	2.98	2.43	0.76	2.87	2.38	0.83	2.77	2.33	0.90	2.66	2.27	0.97	2.45	2.12	1.06	2.28	2.00	1.16
		33°C	3.04	3.04	0.77	2.95	2.95	0.83	2.86	2.86	0.90	2.77	2.77	0.98	2.56	2.56	1.07	2.40	2.40	1.18
	22°C	27°C	3.23	1.67	0.78	3.12	1.64	0.84	3.00	1.59	0.91	2.88	1.55	0.99	2.64	1.45	1.07	2.44	1.37	1.18
		30°C	3.24	2.06	0.78	3.12	2.02	0.84	3.01	1.98	0.91	2.88	1.93	0.99	2.65	1.81	1.07	2.45	1.72	1.18
		33°C	3.25	2.42	0.78	3.14	2.37	0.84	3.02	2.32	0.91	2.90	2.27	0.99	2.67	2.13	1.07	2.47	2.02	1.18
		36°C	3.28	2.73	0.78	3.18	2.68	0.85	3.07	2.62	0.92	2.96	2.55	0.99	2.73	2.38	1.08	2.55	2.24	1.19

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC15C - A5LC15F

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
330	16°C	21°C	3.31	2.19	1.09	3.19	2.13	1.18	3.07	2.07	1.27	2.95	2.01	1.38	2.71	1.87	1.50	2.50	1.76	1.65
		24°C	3.31	2.62	1.09	3.20	2.56	1.18	3.08	2.50	1.27	2.96	2.44	1.38	2.72	2.28	1.50	2.51	2.15	1.65
		27°C	3.34	2.97	1.09	3.23	2.90	1.18	3.12	2.83	1.28	3.00	2.76	1.38	2.77	2.57	1.50	2.57	2.41	1.66
		30°C	3.44	3.44	1.09	3.34	3.34	1.18	3.24	3.24	1.28	3.14	3.14	1.39	2.91	2.91	1.51	2.72	2.72	1.67
	19°C	24°C	3.65	2.04	1.10	3.52	1.99	1.19	3.39	1.94	1.29	3.26	1.88	1.40	3.00	1.75	1.52	2.77	1.65	1.68
		27°C	3.65	2.34	1.10	3.52	2.28	1.19	3.40	2.23	1.29	3.26	2.18	1.40	3.00	2.04	1.52	2.77	1.93	1.68
		30°C	3.66	2.88	1.10	3.53	2.82	1.20	3.41	2.76	1.30	3.28	2.69	1.41	3.02	2.52	1.53	2.80	2.38	1.68
		33°C	3.70	3.70	1.11	3.58	3.58	1.20	3.47	3.47	1.30	3.35	3.35	1.41	3.10	3.10	1.53	2.90	2.90	1.69
	22°C	27°C	4.02	2.00	1.12	3.88	1.95	1.22	3.74	1.90	1.32	3.59	1.85	1.43	3.30	1.72	1.55	3.06	1.62	1.71
		30°C	4.02	2.43	1.12	3.88	2.38	1.22	3.74	2.33	1.32	3.59	2.27	1.43	3.30	2.13	1.55	3.06	2.02	1.71
		33°C	4.02	2.84	1.12	3.88	2.79	1.22	3.74	2.73	1.32	3.59	2.68	1.43	3.31	2.51	1.55	3.06	2.39	1.71
		36°C	4.03	3.22	1.12	3.90	3.16	1.22	3.76	3.09	1.32	3.63	3.03	1.43	3.35	2.84	1.56	3.11	2.69	1.72
360	16°C	21°C	3.44	2.28	1.10	3.32	2.22	1.19	3.19	2.16	1.28	3.06	2.10	1.39	2.81	1.96	1.51	2.59	1.84	1.66
		24°C	3.45	2.77	1.10	3.33	2.70	1.19	3.21	2.64	1.29	3.08	2.57	1.39	2.83	2.40	1.51	2.61	2.26	1.67
		27°C	3.50	3.14	1.10	3.38	3.07	1.19	3.26	2.99	1.29	3.14	2.90	1.40	2.90	2.69	1.52	2.70	2.52	1.68
		30°C	3.64	3.64	1.11	3.54	3.54	1.20	3.43	3.43	1.30	3.32	3.32	1.41	3.07	3.07	1.53	2.87	2.87	1.69
	19°C	24°C	3.79	2.16	1.11	3.66	2.10	1.21	3.52	2.05	1.31	3.38	1.99	1.42	3.10	1.86	1.54	2.87	1.75	1.69
		27°C	3.80	2.48	1.11	3.66	2.43	1.21	3.53	2.37	1.31	3.39	2.32	1.42	3.11	2.17	1.54	2.88	2.05	1.69
		30°C	3.82	3.06	1.12	3.69	3.00	1.21	3.55	2.93	1.31	3.42	2.86	1.42	3.15	2.67	1.54	2.92	2.53	1.70
		33°C	3.88	3.88	1.12	3.76	3.76	1.21	3.64	3.64	1.32	3.52	3.52	1.43	3.26	3.26	1.55	3.05	3.05	1.71
	22°C	27°C	4.17	2.11	1.13	4.02	2.06	1.23	3.87	2.01	1.33	3.72	1.96	1.44	3.42	1.82	1.57	3.16	1.72	1.73
		30°C	4.17	2.59	1.14	4.03	2.54	1.23	3.88	2.48	1.33	3.72	2.42	1.45	3.42	2.27	1.57	3.16	2.15	1.73
		33°C	4.18	3.04	1.14	4.04	2.98	1.23	3.89	2.92	1.33	3.73	2.85	1.45	3.44	2.68	1.57	3.18	2.54	1.73
		36°C	4.21	3.43	1.14	4.07	3.37	1.23	3.93	3.30	1.34	3.79	3.22	1.45	3.49	3.01	1.57	3.26	2.84	1.74
410	16°C	21°C	3.57	2.38	1.11	3.44	2.32	1.20	3.31	2.26	1.29	3.17	2.19	1.40	2.91	2.04	1.52	2.68	1.92	1.68
		24°C	3.59	2.89	1.11	3.46	2.82	1.20	3.33	2.75	1.30	3.19	2.68	1.41	2.93	2.50	1.52	2.71	2.36	1.68
		27°C	3.65	3.31	1.11	3.53	3.23	1.20	3.41	3.14	1.30	3.29	3.04	1.41	3.04	2.82	1.53	2.83	2.63	1.69
		30°C	3.83	3.83	1.12	3.72	3.72	1.21	3.60	3.60	1.32	3.48	3.48	1.43	3.23	3.23	1.55	3.01	3.01	1.71
	19°C	24°C	3.93	2.28	1.12	3.79	2.22	1.22	3.64	2.17	1.32	3.50	2.11	1.43	3.21	1.97	1.55	2.96	1.85	1.71
		27°C	3.94	2.64	1.12	3.80	2.58	1.22	3.66	2.52	1.32	3.51	2.46	1.43	3.22	2.30	1.55	2.98	2.17	1.71
		30°C	3.97	3.25	1.13	3.83	3.18	1.22	3.70	3.10	1.32	3.55	3.03	1.43	3.27	2.83	1.56	3.04	2.66	1.71
		33°C	4.06	4.06	1.13	3.94	3.94	1.23	3.82	3.82	1.33	3.69	3.69	1.45	3.42	3.42	1.57	3.20	3.20	1.73
	22°C	27°C	4.31	2.23	1.14	4.16	2.18	1.24	4.00	2.13	1.34	3.84	2.07	1.46	3.53	1.93	1.58	3.26	1.83	1.74
		30°C	4.32	2.75	1.15	4.17	2.70	1.24	4.01	2.64	1.34	3.85	2.58	1.46	3.54	2.42	1.58	3.27	2.29	1.74
		33°C	4.34	3.22	1.15	4.19	3.17	1.24	4.03	3.10	1.35	3.87	3.03	1.46	3.56	2.84	1.58	3.30	2.70	1.74
		36°C	4.38	3.64	1.15	4.24	3.57	1.25	4.09	3.50	1.35	3.94	3.41	1.47	3.64	3.18	1.59	3.40	2.99	1.76

Remark:

- AFR: Air flow rate (CFM)
- EWB: Entering Wet Bulb Temp. (°C)
- EDB: Entering Dry Bulb Temp. (°C)
- TC: Total Cooling Capacity (kW)
- SC: Sensible Cooling Capacity (kW)
- PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC20C - A5LC20C

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
470	16°C	21°C	4.97	3.47	1.39	4.79	3.38	1.51	4.62	3.29	1.63	4.43	3.20	1.77	4.07	2.97	1.92	3.76	2.80	2.12
		24°C	4.98	4.16	1.39	4.80	4.06	1.51	4.62	3.97	1.63	4.44	3.87	1.77	4.08	3.61	1.92	3.77	3.41	2.12
		27°C	5.02	4.71	1.40	4.85	4.61	1.51	4.68	4.50	1.64	4.50	4.38	1.78	4.15	4.08	1.93	3.87	3.83	2.13
		30°C	5.17	5.17	1.40	5.02	5.02	1.52	4.87	4.87	1.65	4.71	4.71	1.79	4.37	4.37	1.94	4.09	4.09	2.15
	19°C	24°C	5.48	3.24	1.42	5.29	3.16	1.53	5.10	3.07	1.66	4.89	2.99	1.80	4.50	2.78	1.95	4.16	2.62	2.15
		27°C	5.49	3.71	1.42	5.29	3.62	1.53	5.10	3.54	1.66	4.90	3.46	1.80	4.50	3.23	1.96	4.16	3.06	2.16
		30°C	5.50	4.58	1.42	5.31	4.48	1.53	5.12	4.38	1.66	4.92	4.27	1.80	4.53	4.00	1.96	4.21	3.78	2.16
		33°C	5.56	5.56	1.42	5.38	5.38	1.54	5.20	5.20	1.67	5.03	5.03	1.81	4.65	4.65	1.97	4.35	4.35	2.17
	22°C	27°C	6.03	3.17	1.44	5.82	3.10	1.56	5.61	3.02	1.69	5.39	2.93	1.84	4.96	2.73	1.99	4.59	2.58	2.20
		30°C	6.03	3.87	1.44	5.83	3.78	1.56	5.61	3.70	1.69	5.39	3.61	1.84	4.96	3.38	1.99	4.59	3.20	2.20
		33°C	6.04	4.51	1.44	5.83	4.43	1.56	5.62	4.34	1.69	5.40	4.25	1.84	4.97	3.99	1.99	4.60	3.79	2.20
		36°C	6.06	5.12	1.44	5.86	5.02	1.56	5.65	4.91	1.70	5.45	4.80	1.84	5.02	4.50	2.00	4.67	4.27	2.20
520	16°C	21°C	5.17	3.62	1.41	4.98	3.53	1.52	4.80	3.43	1.65	4.60	3.33	1.79	4.22	3.11	1.94	3.89	2.92	2.14
		24°C	5.19	4.39	1.41	5.00	4.29	1.52	4.81	4.19	1.65	4.62	4.08	1.79	4.24	3.81	1.94	3.92	3.59	2.14
		27°C	5.25	4.99	1.41	5.07	4.87	1.53	4.90	4.75	1.65	4.72	4.61	1.79	4.36	4.28	1.95	4.06	4.00	2.15
		30°C	5.47	5.47	1.42	5.31	5.31	1.54	5.15	5.15	1.67	4.98	4.98	1.81	4.61	4.61	1.97	4.31	4.31	2.17
	19°C	24°C	5.70	3.42	1.43	5.49	3.34	1.55	5.29	3.25	1.68	5.07	3.16	1.82	4.66	2.95	1.97	4.31	2.78	2.17
		27°C	5.71	3.94	1.43	5.50	3.86	1.55	5.30	3.77	1.68	5.08	3.68	1.82	4.67	3.44	1.97	4.32	3.26	2.17
		30°C	5.73	4.86	1.43	5.53	4.76	1.55	5.34	4.65	1.68	5.13	4.54	1.82	4.73	4.24	1.98	4.38	4.01	2.18
		33°C	5.83	5.83	1.44	5.65	5.65	1.56	5.47	5.47	1.69	5.29	5.29	1.83	4.90	4.90	1.99	4.58	4.58	2.20
	22°C	27°C	6.26	3.35	1.46	6.04	3.27	1.58	5.81	3.19	1.71	5.58	3.10	1.85	5.13	2.90	2.01	4.75	2.73	2.21
		30°C	6.27	4.11	1.46	6.05	4.03	1.58	5.82	3.94	1.71	5.59	3.85	1.85	5.14	3.60	2.01	4.75	3.42	2.22
		33°C	6.28	4.82	1.46	6.06	4.73	1.58	5.84	4.63	1.71	5.61	4.53	1.86	5.16	4.25	2.01	4.78	4.04	2.22
		36°C	6.32	5.45	1.46	6.11	5.35	1.58	5.90	5.23	1.72	5.68	5.11	1.86	5.24	4.78	2.02	4.89	4.51	2.23
540	16°C	21°C	5.36	3.78	1.42	5.16	3.68	1.53	4.97	3.58	1.66	4.76	3.48	1.80	4.37	3.24	1.95	4.03	3.05	2.15
		24°C	5.39	4.59	1.42	5.19	4.48	1.54	5.00	4.37	1.66	4.80	4.25	1.80	4.41	3.97	1.96	4.07	3.74	2.16
		27°C	5.48	5.26	1.42	5.30	5.12	1.54	5.12	4.98	1.67	4.93	4.82	1.81	4.56	4.47	1.97	4.25	4.17	2.17
		30°C	5.75	5.75	1.44	5.58	5.58	1.56	5.41	5.41	1.69	5.23	5.23	1.83	4.84	4.84	1.99	4.52	4.52	2.20
	19°C	24°C	5.90	3.62	1.44	5.69	3.53	1.56	5.47	3.44	1.69	5.25	3.35	1.83	4.82	3.12	1.99	4.45	2.94	2.19
		27°C	5.92	4.19	1.44	5.71	4.09	1.56	5.49	4.00	1.69	5.27	3.90	1.84	4.84	3.65	1.99	4.47	3.45	2.19
		30°C	5.97	5.16	1.45	5.76	5.04	1.57	5.55	4.93	1.70	5.34	4.80	1.84	4.91	4.49	2.00	4.56	4.23	2.20
		33°C	6.10	6.10	1.45	5.92	5.92	1.57	5.74	5.74	1.71	5.55	5.55	1.85	5.14	5.14	2.01	4.81	4.81	2.22
	22°C	27°C	6.48	3.54	1.47	6.25	3.46	1.59	6.01	3.38	1.72	5.77	3.29	1.87	5.30	3.07	2.03	4.90	2.90	2.23
		30°C	6.49	4.37	1.47	6.26	4.28	1.59	6.02	4.19	1.73	5.78	4.10	1.87	5.31	3.84	2.03	4.91	3.64	2.23
		33°C	6.51	5.12	1.47	6.29	5.03	1.59	6.05	4.92	1.73	5.82	4.81	1.87	5.35	4.51	2.03	4.96	4.28	2.24
		36°C	6.57	5.78	1.47	6.36	5.67	1.60	6.14	5.55	1.73	5.92	5.41	1.88	5.47	5.05	2.04	5.10	4.75	2.25

Remark:

- AFR: Air flow rate (CFM)
- EWB: Entering Wet Bulb Temp. (°C)
- EDB: Entering Dry Bulb Temp. (°C)
- TC: Total Cooling Capacity (kW)
- SC: Sensible Cooling Capacity (kW)
- PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC25C - A5LC25C

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
512	16°C	21°C	5.80	3.94	1.58	5.60	3.84	1.71	5.39	3.73	1.85	5.17	3.63	2.01	4.75	3.38	2.18	4.38	3.18	2.40
		24°C	5.81	4.72	1.58	5.60	4.61	1.71	5.39	4.50	1.85	5.18	4.39	2.01	4.76	4.10	2.18	4.40	3.87	2.40
		27°C	5.85	5.35	1.58	5.66	5.23	1.71	5.46	5.11	1.86	5.25	4.97	2.01	4.85	4.63	2.18	4.51	4.35	2.41
		30°C	6.03	6.03	1.59	5.86	5.86	1.72	5.68	5.68	1.87	5.50	5.50	2.03	5.10	5.10	2.20	4.77	4.77	2.43
	19°C	24°C	6.40	3.68	1.61	6.17	3.59	1.74	5.95	3.49	1.88	5.71	3.39	2.04	5.25	3.16	2.22	4.85	2.98	2.44
		27°C	6.40	4.21	1.61	6.18	4.11	1.74	5.95	4.02	1.88	5.72	3.92	2.04	5.25	3.67	2.22	4.86	3.48	2.44
		30°C	6.41	5.19	1.61	6.19	5.08	1.74	5.97	4.97	1.88	5.75	4.85	2.04	5.29	4.54	2.22	4.91	4.29	2.45
		33°C	6.49	6.49	1.61	6.28	6.28	1.74	6.07	6.07	1.89	5.87	5.87	2.05	5.43	5.43	2.23	5.07	5.07	2.46
	22°C	27°C	7.04	3.60	1.63	6.79	3.51	1.77	6.55	3.43	1.92	6.29	3.33	2.08	5.79	3.10	2.26	5.36	2.93	2.49
		30°C	7.04	4.39	1.63	6.80	4.30	1.77	6.55	4.20	1.92	6.29	4.10	2.08	5.79	3.84	2.26	5.36	3.64	2.49
		33°C	7.04	5.13	1.63	6.80	5.03	1.77	6.55	4.93	1.92	6.30	4.83	2.08	5.79	4.53	2.26	5.37	4.30	2.49
		36°C	7.07	5.81	1.64	6.83	5.70	1.77	6.60	5.58	1.92	6.36	5.45	2.09	5.86	5.11	2.26	5.45	4.85	2.50
581	16°C	21°C	6.03	4.11	1.59	5.82	4.00	1.72	5.60	3.90	1.87	5.37	3.79	2.02	4.92	3.53	2.20	4.54	3.32	2.42
		24°C	6.05	4.99	1.60	5.83	4.87	1.73	5.62	4.75	1.87	5.39	4.63	2.03	4.95	4.32	2.20	4.58	4.08	2.42
		27°C	6.13	5.66	1.60	5.92	5.53	1.73	5.72	5.39	1.87	5.51	5.23	2.03	5.09	4.86	2.21	4.74	4.54	2.44
		30°C	6.38	6.38	1.61	6.20	6.20	1.74	6.01	6.01	1.89	5.81	5.81	2.05	5.39	5.39	2.23	5.03	5.03	2.46
	19°C	24°C	6.65	3.89	1.62	6.41	3.79	1.75	6.17	3.69	1.90	5.92	3.59	2.06	5.44	3.34	2.24	5.02	3.15	2.46
		27°C	6.66	4.48	1.62	6.42	4.38	1.75	6.18	4.28	1.90	5.93	4.18	2.06	5.45	3.91	2.24	5.04	3.70	2.46
		30°C	6.69	5.52	1.62	6.46	5.40	1.76	6.23	5.28	1.90	5.99	5.15	2.07	5.51	4.82	2.24	5.12	4.55	2.47
		33°C	6.80	6.80	1.63	6.60	6.60	1.76	6.39	6.39	1.91	6.17	6.17	2.08	5.72	5.72	2.26	5.35	5.35	2.49
	22°C	27°C	7.30	3.81	1.65	7.05	3.72	1.79	6.79	3.62	1.94	6.52	3.52	2.10	5.99	3.29	2.28	5.54	3.10	2.51
		30°C	7.31	4.67	1.65	7.06	4.57	1.79	6.79	4.47	1.94	6.52	4.37	2.10	6.00	4.09	2.28	5.55	3.88	2.51
		33°C	7.33	5.47	1.65	7.07	5.37	1.79	6.81	5.26	1.94	6.54	5.15	2.10	6.02	4.83	2.28	5.58	4.58	2.52
		36°C	7.37	6.19	1.65	7.13	6.07	1.79	6.88	5.94	1.95	6.63	5.80	2.11	6.12	5.43	2.29	5.71	5.12	2.53
607	16°C	21°C	6.26	4.29	1.61	6.03	4.18	1.74	5.80	4.07	1.88	5.56	3.95	2.04	5.10	3.68	2.21	4.70	3.47	2.44
		24°C	6.29	5.21	1.61	6.06	5.08	1.74	5.83	4.96	1.89	5.60	4.83	2.04	5.14	4.51	2.22	4.75	4.25	2.44
		27°C	6.39	5.97	1.61	6.18	5.81	1.75	5.97	5.65	1.89	5.76	5.48	2.05	5.32	5.07	2.23	4.96	4.74	2.46
		30°C	6.71	6.71	1.63	6.51	6.51	1.76	6.31	6.31	1.91	6.11	6.11	2.08	5.65	5.65	2.26	5.28	5.28	2.49
	19°C	24°C	6.89	4.11	1.63	6.64	4.01	1.77	6.39	3.91	1.92	6.13	3.80	2.08	5.62	3.54	2.25	5.19	3.34	2.48
		27°C	6.91	4.76	1.64	6.66	4.65	1.77	6.41	4.54	1.92	6.15	4.43	2.08	5.65	4.14	2.26	5.22	3.92	2.49
		30°C	6.96	5.85	1.64	6.72	5.73	1.77	6.48	5.60	1.92	6.23	5.45	2.09	5.73	5.09	2.26	5.32	4.80	2.49
		33°C	7.11	7.11	1.65	6.91	6.91	1.78	6.69	6.69	1.94	6.47	6.47	2.10	6.00	6.00	2.28	5.61	5.61	2.52
	22°C	27°C	7.56	4.02	1.67	7.29	3.93	1.80	7.01	3.83	1.95	6.73	3.73	2.12	6.18	3.48	2.30	5.71	3.29	2.53
		30°C	7.57	4.96	1.67	7.30	4.86	1.80	7.03	4.76	1.96	6.75	4.65	2.12	6.20	4.35	2.30	5.73	4.13	2.53
		33°C	7.60	5.81	1.67	7.34	5.71	1.81	7.07	5.59	1.96	6.79	5.47	2.12	6.25	5.12	2.30	5.79	4.86	2.54
		36°C	7.67	6.56	1.67	7.43	6.44	1.81	7.17	6.30	1.97	6.91	6.14	2.13	6.39	5.73	2.32	5.96	5.40	2.55

Remark:

AFR: Air flow rate (CFM)
 EWB: Entering Wet Bulb Temp. (°C)
 EDB: Entering Dry Bulb Temp. (°C)
 TC: Total Cooling Capacity (kW)
 SC: Sensible Cooling Capacity (kW)
 PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC30C - A5LC28C

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
750	16°C	21°C	7.19	5.22	2.20	6.93	5.08	2.37	6.67	4.95	2.57	6.41	4.80	2.79	5.88	4.47	3.03	5.43	4.21	3.34
		24°C	7.19	6.25	2.20	6.94	6.11	2.38	6.68	5.97	2.57	6.42	5.82	2.79	5.89	5.43	3.03	5.45	5.13	3.34
		27°C	7.25	7.09	2.20	7.01	6.93	2.38	6.76	6.76	2.58	6.51	6.51	2.80	6.01	6.01	3.04	5.59	5.59	3.35
		30°C	7.47	7.47	2.21	7.26	7.26	2.39	7.04	7.04	2.60	6.81	6.81	2.82	6.32	6.32	3.06	5.91	5.91	3.38
	19°C	24°C	7.93	4.87	2.23	7.65	4.75	2.41	7.37	4.62	2.62	7.08	4.49	2.84	6.50	4.18	3.08	6.01	3.94	3.39
		27°C	7.93	5.58	2.23	7.65	5.45	2.41	7.37	5.33	2.62	7.08	5.20	2.84	6.51	4.86	3.08	6.02	4.60	3.39
		30°C	7.94	6.88	2.23	7.67	6.73	2.42	7.40	6.58	2.62	7.12	6.43	2.84	6.55	6.01	3.08	6.08	5.69	3.40
		33°C	8.04	8.04	2.24	7.78	7.78	2.42	7.52	7.52	2.63	7.27	7.27	2.85	6.72	6.72	3.10	6.29	6.29	3.42
	22°C	27°C	8.72	4.77	2.27	8.42	4.65	2.46	8.11	4.54	2.67	7.79	4.41	2.89	7.17	4.11	3.14	6.63	3.88	3.46
		30°C	8.72	5.81	2.27	8.42	5.69	2.46	8.11	5.56	2.67	7.80	5.43	2.89	7.17	5.08	3.14	6.64	4.82	3.46
		33°C	8.73	6.79	2.27	8.42	6.66	2.46	8.12	6.53	2.67	7.80	6.39	2.89	7.18	6.00	3.14	6.65	5.70	3.46
		36°C	8.76	7.70	2.27	8.47	7.54	2.46	8.17	7.39	2.67	7.87	7.22	2.90	7.26	6.77	3.15	6.75	6.43	3.47
880	16°C	21°C	7.48	5.44	2.22	7.21	5.30	2.40	6.93	5.16	2.59	6.65	5.02	2.81	6.10	4.67	3.05	5.63	4.40	3.36
		24°C	7.50	6.61	2.22	7.23	6.45	2.40	6.96	6.30	2.60	6.68	6.14	2.82	6.13	5.73	3.05	5.67	5.41	3.37
		27°C	7.59	7.50	2.22	7.33	7.33	2.40	7.08	7.08	2.60	6.83	6.83	2.83	6.30	6.30	3.07	5.87	5.87	3.39
		30°C	7.91	7.91	2.24	7.68	7.68	2.42	7.44	7.44	2.63	7.20	7.20	2.85	6.67	6.67	3.10	6.24	6.24	3.42
	19°C	24°C	8.24	5.15	2.25	7.94	5.02	2.44	7.64	4.89	2.64	7.34	4.76	2.86	6.74	4.43	3.11	6.22	4.18	3.42
		27°C	8.25	5.93	2.25	7.96	5.80	2.44	7.66	5.67	2.64	7.35	5.53	2.86	6.75	5.17	3.11	6.24	4.90	3.42
		30°C	8.29	7.32	2.26	8.00	7.16	2.44	7.71	7.00	2.65	7.42	6.83	2.87	6.83	6.38	3.11	6.34	6.03	3.43
		33°C	8.43	8.43	2.26	8.17	8.17	2.45	7.91	7.91	2.66	7.65	7.65	2.89	7.08	7.08	3.14	6.62	6.62	3.46
	22°C	27°C	9.05	5.04	2.29	8.73	4.92	2.48	8.41	4.80	2.69	8.07	4.67	2.92	7.42	4.36	3.17	6.86	4.11	3.49
		30°C	9.06	6.19	2.29	8.74	6.06	2.49	8.42	5.92	2.69	8.08	5.79	2.92	7.43	5.42	3.17	6.87	5.14	3.49
		33°C	9.08	7.25	2.29	8.76	7.11	2.49	8.44	6.97	2.70	8.11	6.82	2.92	7.46	6.40	3.17	6.91	6.07	3.49
		36°C	9.13	8.20	2.30	8.84	8.04	2.49	8.53	7.87	2.70	8.22	7.69	2.93	7.58	7.20	3.18	7.07	6.79	3.51
971	16°C	21°C	7.75	5.68	2.23	7.47	5.54	2.42	7.18	5.39	2.62	6.88	5.24	2.84	6.31	4.88	3.08	5.82	4.59	3.39
		24°C	7.79	6.90	2.24	7.51	6.74	2.42	7.23	6.57	2.62	6.94	6.40	2.84	6.37	5.97	3.08	5.88	5.63	3.40
		27°C	7.92	7.91	2.24	7.66	7.66	2.43	7.40	7.40	2.63	7.14	7.14	2.85	6.59	6.59	3.10	6.14	6.14	3.42
		30°C	8.31	8.31	2.26	8.07	8.07	2.45	7.82	7.82	2.66	7.57	7.57	2.89	7.01	7.01	3.14	6.54	6.54	3.46
	19°C	24°C	8.53	5.45	2.27	8.22	5.31	2.46	7.91	5.18	2.66	7.59	5.04	2.89	6.96	4.70	3.13	6.43	4.43	3.45
		27°C	8.56	6.30	2.27	8.25	6.16	2.46	7.94	6.01	2.67	7.62	5.87	2.89	7.00	5.49	3.13	6.47	5.19	3.45
		30°C	8.63	7.76	2.28	8.32	7.59	2.46	8.02	7.41	2.67	7.72	7.23	2.90	7.11	6.75	3.14	6.60	6.36	3.47
		33°C	8.82	8.82	2.29	8.56	8.56	2.48	8.29	8.29	2.69	8.02	8.02	2.92	7.43	7.43	3.17	6.95	6.95	3.50
	22°C	27°C	9.36	5.33	2.31	9.03	5.21	2.51	8.69	5.08	2.72	8.34	4.95	2.94	7.66	4.62	3.19	7.08	4.36	3.52
		30°C	9.38	6.57	2.31	9.05	6.45	2.51	8.71	6.31	2.72	8.36	6.16	2.95	7.68	5.77	3.20	7.10	5.47	3.52
		33°C	9.41	7.70	2.32	9.09	7.57	2.51	8.75	7.41	2.72	8.41	7.24	2.95	7.74	6.79	3.20	7.17	6.44	3.53
		36°C	9.50	8.69	2.32	9.20	8.54	2.52	8.88	8.35	2.73	8.56	8.14	2.96	7.91	7.59	3.22	7.38	7.15	3.55

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC30C - A5LC30C

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
750	16°C	21°C	8.29	6.02	2.39	8.00	5.86	2.59	7.70	5.71	2.80	7.39	5.54	3.04	6.79	5.16	3.30	6.26	4.85	3.64
		24°C	8.30	7.21	2.39	8.00	7.04	2.59	7.71	6.88	2.80	7.40	6.71	3.04	6.80	6.27	3.30	6.29	5.91	3.64
		27°C	8.36	8.17	2.40	8.09	7.99	2.59	7.80	7.80	2.81	7.51	7.51	3.05	6.93	6.93	3.31	6.45	6.45	3.65
		30°C	8.62	8.62	2.41	8.37	8.37	2.61	8.12	8.12	2.83	7.86	7.86	3.07	7.29	7.29	3.34	6.82	6.82	3.69
	19°C	24°C	9.14	5.62	2.43	8.82	5.48	2.63	8.50	5.33	2.85	8.16	5.18	3.09	7.50	4.83	3.36	6.93	4.55	3.70
		27°C	9.15	6.43	2.43	8.83	6.29	2.63	8.50	6.14	2.85	8.17	5.99	3.09	7.51	5.61	3.36	6.94	5.31	3.70
		30°C	9.16	7.94	2.43	8.85	7.77	2.63	8.53	7.60	2.85	8.21	7.41	3.10	7.56	6.93	3.36	7.01	6.56	3.70
		33°C	9.27	9.27	2.44	8.97	8.97	2.64	8.68	8.68	2.86	8.38	8.38	3.11	7.76	7.76	3.38	7.25	7.25	3.73
	22°C	27°C	10.06	5.50	2.48	9.71	5.37	2.68	9.36	5.23	2.91	8.99	5.09	3.15	8.27	4.74	3.42	7.65	4.47	3.77
		30°C	10.06	6.71	2.48	9.71	6.56	2.68	9.36	6.41	2.91	8.99	6.26	3.15	8.27	5.86	3.42	7.66	5.56	3.77
		33°C	10.07	7.83	2.48	9.72	7.68	2.68	9.36	7.53	2.91	9.00	7.37	3.15	8.28	6.92	3.42	7.67	6.58	3.77
		36°C	10.10	8.88	2.48	9.77	8.70	2.69	9.43	8.52	2.91	9.08	8.33	3.16	8.38	7.81	3.43	7.79	7.41	3.78
880	16°C	21°C	8.62	6.28	2.41	8.31	6.12	2.61	8.00	5.95	2.83	7.67	5.79	3.07	7.04	5.39	3.33	6.49	5.07	3.67
		24°C	8.65	7.62	2.42	8.34	7.44	2.61	8.03	7.27	2.83	7.70	7.08	3.07	7.08	6.61	3.33	6.54	6.24	3.67
		27°C	8.75	8.66	2.42	8.46	8.45	2.62	8.17	8.17	2.84	7.87	7.87	3.08	7.27	7.27	3.34	6.77	6.77	3.69
		30°C	9.12	9.12	2.44	8.85	8.85	2.64	8.59	8.59	2.86	8.31	8.31	3.11	7.70	7.70	3.38	7.19	7.19	3.73
	19°C	24°C	9.50	5.94	2.45	9.16	5.79	2.66	8.82	5.64	2.88	8.46	5.49	3.12	7.77	5.11	3.38	7.18	4.82	3.73
		27°C	9.52	6.84	2.46	9.18	6.69	2.66	8.83	6.54	2.88	8.48	6.38	3.12	7.79	5.97	3.39	7.20	5.65	3.73
		30°C	9.56	8.44	2.46	9.23	8.26	2.66	8.90	8.07	2.88	8.56	7.88	3.13	7.88	7.36	3.39	7.31	6.96	3.74
		33°C	9.72	9.72	2.47	9.43	9.43	2.67	9.13	9.13	2.90	8.82	8.82	3.15	8.17	8.17	3.42	7.64	7.64	3.78
	22°C	27°C	10.44	5.82	2.50	10.07	5.68	2.71	9.70	5.54	2.94	9.31	5.39	3.18	8.56	5.02	3.45	7.91	4.74	3.80
		30°C	10.45	7.14	2.50	10.08	6.99	2.71	9.71	6.83	2.94	9.32	6.67	3.18	8.57	6.25	3.45	7.93	5.93	3.80
		33°C	10.47	8.36	2.50	10.11	8.20	2.71	9.74	8.04	2.94	9.35	7.86	3.19	8.60	7.38	3.46	7.98	7.00	3.81
		36°C	10.53	9.45	2.51	10.19	9.28	2.72	9.84	9.08	2.95	9.48	8.87	3.20	8.75	8.30	3.47	8.16	7.83	3.83
970	16°C	21°C	8.94	6.55	2.43	8.61	6.39	2.63	8.28	6.22	2.85	7.94	6.04	3.09	7.28	5.63	3.35	6.71	5.30	3.69
		24°C	8.99	7.96	2.44	8.66	7.77	2.64	8.34	7.58	2.86	8.00	7.38	3.10	7.35	6.89	3.36	6.79	6.50	3.70
		27°C	9.13	9.12	2.44	8.84	8.84	2.65	8.54	8.54	2.87	8.23	8.23	3.11	7.61	7.61	3.38	7.09	7.09	3.73
		30°C	9.59	9.59	2.47	9.31	9.31	2.67	9.02	9.02	2.90	8.73	8.73	3.15	8.08	8.08	3.42	7.55	7.55	3.77
	19°C	24°C	9.84	6.28	2.48	9.49	6.13	2.68	9.13	5.97	2.90	8.75	5.81	3.15	8.03	5.42	3.41	7.42	5.11	3.76
		27°C	9.87	7.27	2.48	9.52	7.10	2.68	9.16	6.94	2.90	8.79	6.77	3.15	8.07	6.33	3.42	7.46	5.99	3.76
		30°C	9.95	8.95	2.48	9.60	8.75	2.69	9.26	8.55	2.91	8.90	8.34	3.16	8.20	7.79	3.43	7.61	7.34	3.78
		33°C	10.17	10.17	2.49	9.87	9.87	2.70	9.57	9.57	2.93	9.25	9.25	3.18	8.57	8.57	3.46	8.02	8.02	3.82
	22°C	27°C	10.80	6.15	2.52	10.42	6.01	2.73	10.03	5.86	2.96	9.62	5.71	3.21	8.84	5.33	3.48	8.17	5.03	3.83
		30°C	10.82	7.58	2.52	10.44	7.44	2.73	10.04	7.27	2.96	9.64	7.11	3.21	8.86	6.66	3.48	8.19	6.31	3.84
		33°C	10.86	8.88	2.53	10.48	8.73	2.74	10.10	8.54	2.97	9.70	8.35	3.22	8.93	7.83	3.49	8.27	7.43	3.84
		36°C	10.96	10.03	2.53	10.61	9.85	2.74	10.25	9.63	2.98	9.88	9.39	3.23	9.13	8.76	3.51	8.51	8.25	3.87

Remark:

AFR: Air flow rate (CFM)
 EWB: Entering Wet Bulb Temp. (°C)
 EDB: Entering Dry Bulb Temp. (°C)
 TC: Total Cooling Capacity (kW)
 SC: Sensible Cooling Capacity (kW)
 PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC40C - A5LC35D

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
870	16°C	21°C	9.94	7.88	3.15	9.59	7.67	3.41	9.24	7.47	3.69	8.87	7.25	4.00	8.14	6.75	4.34	7.52	6.35	4.79
		24°C	9.96	9.43	3.15	9.60	9.22	3.41	9.25	9.00	3.69	8.88	8.78	4.01	8.16	8.16	4.35	7.55	7.55	4.79
		27°C	10.04	10.04	3.16	9.70	9.70	3.42	9.36	9.36	3.70	9.01	9.01	4.01	8.31	8.31	4.36	7.73	7.73	4.81
		30°C	10.35	10.35	3.17	10.05	10.05	3.44	9.74	9.74	3.73	9.43	9.43	4.05	8.74	8.74	4.40	8.18	8.18	4.86
	19°C	24°C	10.97	7.36	3.20	10.58	7.17	3.47	10.20	6.98	3.76	9.79	6.78	4.07	9.00	6.32	4.42	8.32	5.95	4.87
		27°C	10.98	8.42	3.20	10.59	8.23	3.47	10.20	8.04	3.76	9.80	7.84	4.08	9.01	7.34	4.42	8.33	6.95	4.87
		30°C	10.99	10.39	3.20	10.61	10.16	3.47	10.24	9.94	3.76	9.85	9.70	4.08	9.07	9.07	4.43	8.41	8.41	4.88
		33°C	11.12	11.12	3.21	10.76	10.76	3.48	10.41	10.41	3.77	10.06	10.06	4.09	9.31	9.31	4.45	8.70	8.70	4.91
	22°C	27°C	12.07	7.20	3.26	11.65	7.03	3.53	11.23	6.85	3.83	10.79	6.66	4.15	9.92	6.21	4.51	9.18	5.85	4.96
		30°C	12.07	8.77	3.26	11.65	8.59	3.53	11.23	8.39	3.83	10.79	8.19	4.15	9.92	7.67	4.51	9.19	7.27	4.97
		33°C	12.08	10.25	3.26	11.66	10.05	3.53	11.24	9.85	3.83	10.80	9.65	4.16	9.94	9.06	4.51	9.21	8.60	4.97
		36°C	12.12	11.62	3.26	11.72	11.39	3.54	11.31	11.15	3.84	10.90	10.90	4.16	10.05	10.05	4.52	9.35	9.35	4.98
1060	16°C	21°C	10.35	8.22	3.18	9.98	8.01	3.44	9.60	7.79	3.73	9.21	7.58	4.04	8.45	7.05	4.38	7.79	6.64	4.83
		24°C	10.38	9.98	3.18	10.01	9.74	3.44	9.63	9.51	3.73	9.24	9.24	4.04	8.49	8.49	4.39	7.85	7.85	4.83
		27°C	10.50	10.50	3.19	10.15	10.15	3.45	9.80	9.80	3.74	9.45	9.45	4.06	8.72	8.72	4.41	8.13	8.13	4.86
		30°C	10.94	10.94	3.21	10.63	10.63	3.48	10.30	10.30	3.77	9.97	9.97	4.10	9.24	9.24	4.45	8.63	8.63	4.92
	19°C	24°C	11.40	7.78	3.23	10.99	7.58	3.50	10.58	7.38	3.79	10.16	7.18	4.11	9.33	6.69	4.46	8.62	6.31	4.91
		27°C	11.42	8.96	3.23	11.01	8.76	3.50	10.60	8.56	3.79	10.18	8.36	4.11	9.35	7.81	4.46	8.64	7.40	4.92
		30°C	11.48	11.05	3.24	11.08	10.81	3.51	10.68	10.57	3.80	10.27	10.27	4.12	9.46	9.46	4.47	8.77	8.77	4.93
		33°C	11.67	11.67	3.25	11.31	11.31	3.52	10.95	10.95	3.82	10.59	10.59	4.15	9.81	9.81	4.50	9.17	9.17	4.97
	22°C	27°C	12.53	7.61	3.29	12.09	7.43	3.57	11.64	7.25	3.87	11.17	7.05	4.19	10.27	6.58	4.55	9.50	6.21	5.01
		30°C	12.54	9.34	3.29	12.10	9.15	3.57	11.65	8.94	3.87	11.19	8.74	4.19	10.28	8.18	4.55	9.51	7.76	5.01
		33°C	12.56	10.95	3.30	12.13	10.74	3.57	11.68	10.52	3.87	11.22	10.29	4.20	10.33	9.66	4.55	9.57	9.17	5.02
		36°C	12.64	12.38	3.30	12.23	12.14	3.58	11.81	11.81	3.88	11.38	11.38	4.21	10.50	10.50	4.57	9.79	9.79	5.04
1300	16°C	21°C	10.73	8.58	3.21	10.34	8.36	3.47	9.94	8.14	3.76	9.53	7.91	4.07	8.74	7.37	4.42	8.06	6.94	4.87
		24°C	10.79	10.42	3.21	10.40	10.18	3.47	10.01	9.93	3.76	9.60	9.60	4.08	8.82	8.82	4.42	8.15	8.15	4.88
		27°C	10.96	10.96	3.22	10.60	10.60	3.49	10.25	10.25	3.78	9.88	9.88	4.10	9.13	9.13	4.45	8.51	8.51	4.91
		30°C	11.51	11.51	3.25	11.17	11.17	3.52	10.83	10.83	3.82	10.47	10.47	4.14	9.70	9.70	4.50	9.06	9.06	4.97
	19°C	24°C	11.81	8.23	3.26	11.39	8.03	3.53	10.95	7.82	3.82	10.51	7.61	4.15	9.64	7.09	4.50	8.90	6.69	4.95
		27°C	11.85	9.52	3.26	11.42	9.30	3.53	10.99	9.08	3.83	10.55	8.86	4.15	9.69	8.29	4.50	8.95	7.84	4.96
		30°C	11.95	11.72	3.27	11.52	11.46	3.54	11.11	11.11	3.84	10.68	10.68	4.16	9.84	9.84	4.51	9.13	9.13	4.98
		33°C	12.21	12.21	3.28	11.85	11.85	3.56	11.48	11.48	3.86	11.10	11.10	4.19	10.29	10.29	4.56	9.62	9.62	5.03
	22°C	27°C	12.96	8.05	3.32	12.50	7.87	3.60	12.03	7.68	3.90	11.55	7.47	4.23	10.61	6.97	4.59	9.80	6.59	5.05
		30°C	12.99	9.92	3.32	12.53	9.74	3.60	12.06	9.52	3.90	11.57	9.31	4.23	10.63	8.71	4.59	9.83	8.26	5.05
		33°C	13.04	11.63	3.33	12.58	11.43	3.61	12.12	11.19	3.91	11.65	10.94	4.24	10.71	10.25	4.60	9.93	9.73	5.06
		36°C	13.15	13.13	3.33	12.74	12.74	3.62	12.30	12.30	3.92	11.86	11.86	4.26	10.95	10.95	4.62	10.22	10.22	5.10

Remark:

- AFR: Air flow rate (CFM)
- EWB: Entering Wet Bulb Temp. (°C)
- EDB: Entering Dry Bulb Temp. (°C)
- TC: Total Cooling Capacity (kW)
- SC: Sensible Cooling Capacity (kW)
- PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC40C - A5LC40D

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
870	16°C	21°C	11.60	8.43	3.42	11.19	8.21	3.70	10.78	7.99	4.00	10.34	7.76	4.34	9.50	7.22	4.71	8.77	6.79	5.19
		24°C	11.62	10.09	3.42	11.21	9.86	3.70	10.79	9.63	4.01	10.36	9.39	4.34	9.52	8.77	4.71	8.80	8.28	5.20
		27°C	11.71	11.44	3.42	11.32	11.18	3.70	10.92	10.92	4.01	10.51	10.51	4.35	9.70	9.70	4.73	9.02	9.02	5.21
		30°C	12.07	12.07	3.44	11.72	11.72	3.73	11.37	11.37	4.04	11.00	11.00	4.39	10.20	10.20	4.77	9.54	9.54	5.26
	19°C	24°C	12.80	7.87	3.47	12.35	7.67	3.76	11.90	7.46	4.07	11.43	7.25	4.42	10.50	6.76	4.79	9.71	6.36	5.28
		27°C	12.81	9.00	3.47	12.36	8.80	3.76	11.90	8.60	4.07	11.44	8.39	4.42	10.51	7.85	4.79	9.72	7.43	5.28
		30°C	12.83	11.11	3.47	12.38	10.87	3.76	11.95	10.63	4.08	11.49	10.37	4.42	10.58	9.70	4.80	9.82	9.18	5.29
		33°C	12.98	12.98	3.48	12.56	12.56	3.77	12.15	12.15	4.09	11.74	11.74	4.44	10.86	10.86	4.82	10.15	10.15	5.33
	22°C	27°C	14.08	7.70	3.54	13.59	7.51	3.83	13.10	7.33	4.15	12.59	7.12	4.50	11.57	6.64	4.89	10.71	6.26	5.38
		30°C	14.09	9.38	3.54	13.60	9.18	3.83	13.10	8.98	4.15	12.59	8.76	4.51	11.58	8.20	4.89	10.72	7.78	5.38
		33°C	14.09	10.96	3.54	13.61	10.75	3.83	13.11	10.54	4.15	12.60	10.32	4.51	11.59	9.69	4.89	10.74	9.20	5.39
		36°C	14.14	12.43	3.54	13.67	12.18	3.84	13.20	11.93	4.16	12.72	11.66	4.51	11.73	10.93	4.90	10.90	10.37	5.40
1060	16°C	21°C	12.08	8.79	3.45	11.64	8.56	3.73	11.20	8.34	4.04	10.74	8.10	4.38	9.86	7.54	4.75	9.09	7.10	5.24
		24°C	12.11	10.67	3.45	11.68	10.42	3.73	11.24	10.17	4.04	10.79	9.92	4.38	9.91	9.25	4.76	9.16	8.73	5.24
		27°C	12.26	12.12	3.46	11.85	11.84	3.74	11.44	11.44	4.06	11.03	11.03	4.40	10.18	10.18	4.78	9.48	9.48	5.27
		30°C	12.77	12.77	3.48	12.40	12.40	3.77	12.02	12.02	4.09	11.63	11.63	4.44	10.78	10.78	4.83	10.07	10.07	5.33
	19°C	24°C	13.30	8.32	3.51	12.83	8.11	3.79	12.35	7.90	4.11	11.85	7.68	4.46	10.88	7.16	4.84	10.05	6.75	5.33
		27°C	13.33	9.58	3.51	12.85	9.37	3.80	12.37	9.16	4.11	11.87	8.94	4.46	10.91	8.36	4.84	10.09	7.91	5.33
		30°C	13.39	11.82	3.51	12.92	11.56	3.80	12.46	11.30	4.12	11.99	11.03	4.47	11.04	10.31	4.85	10.24	9.74	5.35
		33°C	13.61	13.61	3.52	13.20	13.20	3.82	12.78	12.78	4.14	12.35	12.35	4.50	11.44	11.44	4.88	10.70	10.70	5.39
	22°C	27°C	14.62	8.14	3.57	14.10	7.95	3.87	13.58	7.75	4.19	13.04	7.54	4.55	11.98	7.03	4.93	11.08	6.64	5.43
		30°C	14.63	9.99	3.57	14.12	9.79	3.87	13.59	9.57	4.19	13.05	9.34	4.55	12.00	8.75	4.93	11.10	8.30	5.43
		33°C	14.66	11.71	3.57	14.15	11.49	3.87	13.63	11.25	4.20	13.10	11.01	4.55	12.05	10.33	4.94	11.17	9.81	5.44
		36°C	14.75	13.24	3.58	14.28	12.99	3.88	13.78	12.72	4.21	13.28	12.42	4.57	12.25	11.62	4.96	11.42	10.96	5.47
1300	16°C	21°C	12.52	9.18	3.48	12.06	8.94	3.76	11.60	8.71	4.07	11.12	8.46	4.42	10.20	7.88	4.79	9.40	7.42	5.28
		24°C	12.59	11.15	3.48	12.13	10.88	3.77	11.68	10.62	4.08	11.20	10.34	4.42	10.29	9.65	4.80	9.51	9.10	5.29
		27°C	12.79	12.78	3.49	12.37	12.37	3.78	11.96	11.96	4.10	11.53	11.53	4.44	10.65	10.65	4.83	9.93	9.93	5.33
		30°C	13.43	13.43	3.52	13.04	13.04	3.82	12.64	12.64	4.14	12.22	12.22	4.49	11.32	11.32	4.88	10.57	10.57	5.39
	19°C	24°C	13.78	8.80	3.54	13.29	8.58	3.83	12.78	8.36	4.15	12.26	8.14	4.50	11.25	7.59	4.88	10.39	7.15	5.37
		27°C	13.82	10.18	3.54	13.33	9.95	3.83	12.83	9.72	4.15	12.31	9.48	4.50	11.30	8.86	4.88	10.45	8.39	5.38
		30°C	13.94	12.53	3.54	13.45	12.26	3.84	12.96	11.98	4.16	12.47	11.68	4.51	11.48	10.91	4.89	10.66	10.28	5.40
		33°C	14.24	14.24	3.56	13.82	13.82	3.86	13.40	13.40	4.19	12.96	12.96	4.55	12.00	12.00	4.94	11.23	11.23	5.46
	22°C	27°C	15.13	8.61	3.60	14.59	8.42	3.90	14.04	8.21	4.23	13.47	7.99	4.59	12.38	7.46	4.97	11.44	7.04	5.48
		30°C	15.16	10.61	3.60	14.62	10.41	3.90	14.07	10.19	4.23	13.50	9.95	4.59	12.41	9.32	4.98	11.47	8.84	5.48
		33°C	15.21	12.44	3.61	14.68	12.22	3.91	14.14	11.96	4.24	13.59	11.70	4.60	12.50	10.97	4.98	11.58	10.41	5.49
		36°C	15.34	14.04	3.62	14.86	13.79	3.92	14.35	13.49	4.25	13.83	13.15	4.61	12.78	12.27	5.01	11.92	11.55	5.53

Remark:

- AFR: Air flow rate (CFM)
- EWB: Entering Wet Bulb Temp. (°C)
- EDB: Entering Dry Bulb Temp. (°C)
- TC: Total Cooling Capacity (kW)
- SC: Sensible Cooling Capacity (kW)
- PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC50C - A5LC50D

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
1250	16°C	21°C	12.99	10.42	3.88	12.53	10.14	4.19	12.06	9.87	4.54	11.58	9.59	4.92	10.63	8.92	5.34	9.82	8.39	5.89
		24°C	13.00	12.47	3.88	12.54	12.19	4.19	12.08	11.90	4.54	11.60	11.60	4.92	10.65	10.65	5.34	9.85	9.85	5.89
		27°C	13.11	13.11	3.88	12.67	12.67	4.20	12.23	12.23	4.55	11.76	11.76	4.93	10.86	10.86	5.36	10.10	10.10	5.91
		30°C	13.51	13.51	3.90	13.12	13.12	4.22	12.72	12.72	4.58	12.31	12.31	4.97	11.41	11.41	5.40	10.68	10.68	5.97
	19°C	24°C	14.32	9.72	3.94	13.82	9.48	4.26	13.31	9.23	4.62	12.79	8.97	5.01	11.75	8.35	5.43	10.86	7.86	5.99
		27°C	14.33	11.13	3.94	13.83	10.88	4.26	13.32	10.63	4.62	12.80	10.37	5.01	11.76	9.70	5.43	10.88	9.19	5.99
		30°C	14.36	13.73	3.94	13.86	13.44	4.26	13.37	13.14	4.62	12.86	12.82	5.01	11.84	11.84	5.44	10.99	10.99	6.00
		33°C	14.53	14.53	3.95	14.05	14.05	4.28	13.60	13.60	4.64	13.13	13.13	5.03	12.15	12.15	5.47	11.36	11.36	6.04
	22°C	27°C	15.76	9.52	4.01	15.21	9.29	4.34	14.66	9.06	4.71	14.09	8.81	5.11	12.95	8.21	5.54	11.99	7.74	6.10
		30°C	15.76	11.60	4.01	15.22	11.35	4.34	14.66	11.09	4.71	14.09	10.83	5.11	12.96	10.14	5.54	11.99	9.61	6.10
		33°C	15.77	13.55	4.01	15.23	13.29	4.34	14.67	13.03	4.71	14.10	12.76	5.11	12.97	11.97	5.54	12.02	11.38	6.11
		36°C	15.82	15.36	4.01	15.30	15.05	4.35	14.77	14.74	4.72	14.23	14.23	5.12	13.13	13.13	5.55	12.20	12.20	6.12
1350	16°C	21°C	13.51	10.86	3.91	13.02	10.58	4.23	12.53	10.30	4.58	12.02	10.01	4.96	11.03	9.32	5.38	10.17	8.77	5.94
		24°C	13.55	13.18	3.91	13.06	12.87	4.23	12.57	12.56	4.58	12.07	12.07	4.97	11.09	11.09	5.39	10.25	10.25	5.94
		27°C	13.71	13.71	3.92	13.25	13.25	4.24	12.80	12.80	4.60	12.34	12.34	4.99	11.39	11.39	5.41	10.61	10.61	5.98
		30°C	14.29	14.29	3.95	13.87	13.87	4.28	13.45	13.45	4.64	13.01	13.01	5.04	12.06	12.06	5.47	11.27	11.27	6.04
	19°C	24°C	14.88	10.27	3.97	14.35	10.01	4.30	13.81	9.75	4.66	13.26	9.49	5.05	12.18	8.84	5.48	11.25	8.33	6.04
		27°C	14.91	11.83	3.97	14.38	11.57	4.30	13.84	11.31	4.66	13.28	11.04	5.06	12.21	10.32	5.48	11.28	9.77	6.04
		30°C	14.98	14.60	3.98	14.46	14.28	4.31	13.94	13.94	4.67	13.41	13.41	5.06	12.35	12.35	5.50	11.45	11.45	6.06
		33°C	15.23	15.23	3.99	14.77	14.77	4.33	14.30	14.30	4.69	13.82	13.82	5.10	12.80	12.80	5.54	11.97	11.97	6.11
	22°C	27°C	16.35	10.06	4.05	15.78	9.82	4.38	15.19	9.57	4.75	14.59	9.31	5.15	13.40	8.69	5.59	12.40	8.20	6.16
		30°C	16.37	12.34	4.05	15.80	12.09	4.39	15.21	11.82	4.75	14.60	11.54	5.16	13.42	10.81	5.59	12.42	10.26	6.16
		33°C	16.40	14.46	4.05	15.83	14.19	4.39	15.25	13.90	4.76	14.65	13.60	5.16	13.48	12.76	5.60	12.49	12.11	6.17
		36°C	16.50	16.35	4.06	15.97	15.97	4.40	15.41	15.41	4.77	14.85	14.85	5.17	13.70	13.70	5.62	12.78	12.78	6.20
1500	16°C	21°C	14.01	11.33	3.94	13.50	11.04	4.26	12.98	10.75	4.62	12.44	10.45	5.00	11.41	9.73	5.43	10.52	9.16	5.98
		24°C	14.08	13.77	3.95	13.57	13.44	4.27	13.06	13.06	4.62	12.53	12.53	5.01	11.51	11.51	5.44	10.63	10.63	5.99
		27°C	14.31	14.31	3.96	13.84	13.84	4.28	13.37	13.37	4.64	12.89	12.89	5.04	11.92	11.92	5.47	11.10	11.10	6.04
		30°C	15.02	15.02	3.99	14.59	14.59	4.33	14.14	14.14	4.69	13.67	13.67	5.09	12.66	12.66	5.53	11.82	11.82	6.11
	19°C	24°C	15.42	10.87	4.01	14.86	10.60	4.34	14.30	10.33	4.70	13.71	10.05	5.09	12.59	9.37	5.53	11.62	8.83	6.09
		27°C	15.46	12.57	4.01	14.91	12.29	4.34	14.35	12.00	4.70	13.77	11.70	5.10	12.64	10.95	5.53	11.68	10.36	6.09
		30°C	15.59	15.47	4.02	15.04	15.04	4.35	14.50	14.50	4.71	13.95	13.95	5.11	12.84	12.84	5.55	11.92	11.92	6.12
		33°C	15.93	15.93	4.04	15.46	15.46	4.38	14.99	14.99	4.75	14.49	14.49	5.15	13.43	13.43	5.60	12.56	12.56	6.18
	22°C	27°C	16.92	10.63	4.08	16.32	10.40	4.42	15.70	10.14	4.79	15.07	9.87	5.20	13.84	9.21	5.64	12.80	8.70	6.21
		30°C	16.95	13.11	4.08	16.35	12.86	4.42	15.74	12.58	4.80	15.10	12.29	5.20	13.88	11.51	5.64	12.83	10.91	6.21
		33°C	17.01	15.36	4.09	16.43	15.09	4.43	15.82	14.77	4.80	15.20	14.45	5.21	13.98	13.54	5.65	12.95	12.85	6.22
		36°C	17.16	17.16	4.10	16.63	16.63	4.44	16.05	16.05	4.82	15.47	15.47	5.23	14.30	14.30	5.68	13.34	13.34	6.26

Remark:

- AFR: Air flow rate (CFM)
- EWB: Entering Wet Bulb Temp. (°C)
- EDB: Entering Dry Bulb Temp. (°C)
- TC: Total Cooling Capacity (kW)
- SC: Sensible Cooling Capacity (kW)
- PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC60C - A5LC61D

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
1260	16°C	21°C	15.20	11.18	4.38	14.66	10.89	4.73	14.12	10.60	5.12	13.55	10.30	5.56	12.44	9.58	6.03	11.49	9.01	6.65
		24°C	15.22	13.39	4.38	14.68	13.09	4.73	14.14	12.78	5.13	13.57	12.46	5.56	12.47	11.64	6.03	11.53	10.98	6.65
		27°C	15.34	15.18	4.38	14.83	14.83	4.74	14.31	14.31	5.14	13.77	13.77	5.57	12.70	12.70	6.05	11.82	11.82	6.67
		30°C	15.81	15.81	4.40	15.36	15.36	4.77	14.89	14.89	5.17	14.41	14.41	5.61	13.36	13.36	6.10	12.50	12.50	6.74
	19°C	24°C	16.77	10.44	4.44	16.18	10.18	4.81	15.58	9.91	5.21	14.97	9.63	5.65	13.75	8.97	6.13	12.72	8.44	6.76
		27°C	16.78	11.95	4.44	16.19	11.68	4.81	15.59	11.41	5.21	14.98	11.13	5.65	13.77	10.42	6.13	12.73	9.87	6.76
		30°C	16.80	14.74	4.45	16.22	14.43	4.81	15.65	14.11	5.22	15.06	13.77	5.66	13.86	12.88	6.14	12.86	12.19	6.77
		33°C	17.00	17.00	4.46	16.45	16.45	4.83	15.91	15.91	5.23	15.37	15.37	5.68	14.22	14.22	6.17	13.30	13.30	6.81
	22°C	27°C	18.44	10.22	4.53	17.81	9.97	4.90	17.16	9.72	5.31	16.49	9.46	5.76	15.16	8.81	6.25	14.03	8.31	6.89
		30°C	18.45	12.46	4.53	17.81	12.19	4.90	17.16	11.91	5.31	16.49	11.63	5.76	15.17	10.89	6.25	14.04	10.32	6.89
		33°C	18.46	14.55	4.53	17.82	14.27	4.90	17.17	13.99	5.32	16.50	13.70	5.77	15.18	12.86	6.26	14.07	12.21	6.89
		36°C	18.52	16.50	4.53	17.91	16.16	4.91	17.29	15.83	5.32	16.66	15.48	5.78	15.36	14.51	6.27	14.28	13.77	6.91
1400	16°C	21°C	15.81	11.66	4.41	15.24	11.36	4.77	14.66	11.06	5.17	14.07	10.75	5.61	12.91	10.01	6.08	11.91	9.42	6.70
		24°C	15.86	14.16	4.42	15.29	13.82	4.78	14.72	13.49	5.17	14.12	13.15	5.61	12.98	12.27	6.09	11.99	11.58	6.71
		27°C	16.05	16.05	4.43	15.51	15.51	4.79	14.98	14.98	5.19	14.44	14.44	5.63	13.33	13.33	6.11	12.42	12.42	6.75
		30°C	16.72	16.72	4.46	16.24	16.24	4.83	15.74	15.74	5.24	15.23	15.23	5.69	14.11	14.11	6.18	13.19	13.19	6.82
	19°C	24°C	17.42	11.03	4.49	16.80	10.76	4.86	16.17	10.48	5.26	15.52	10.19	5.70	14.25	9.49	6.19	13.17	8.95	6.82
		27°C	17.45	12.71	4.49	16.83	12.43	4.86	16.20	12.15	5.26	15.55	11.86	5.71	14.29	11.09	6.19	13.21	10.50	6.82
		30°C	17.54	15.68	4.49	16.93	15.34	4.86	16.32	14.99	5.27	15.70	14.63	5.72	14.45	13.68	6.20	13.41	12.92	6.84
		33°C	17.83	17.83	4.51	17.28	17.28	4.88	16.73	16.73	5.30	16.18	16.18	5.75	14.99	14.99	6.25	14.01	14.01	6.90
	22°C	27°C	19.14	10.80	4.57	18.47	10.55	4.95	17.78	10.28	5.37	17.07	10.00	5.82	15.69	9.33	6.31	14.51	8.81	6.95
		30°C	19.17	13.26	4.57	18.49	12.98	4.95	17.80	12.69	5.37	17.09	12.40	5.82	15.71	11.61	6.31	14.53	11.02	6.95
		33°C	19.20	15.53	4.57	18.53	15.24	4.95	17.85	14.93	5.37	17.15	14.61	5.83	15.78	13.70	6.32	14.62	13.01	6.96
		36°C	19.32	17.56	4.58	18.69	17.23	4.97	18.04	16.87	5.38	17.39	16.48	5.84	16.04	15.42	6.34	14.95	14.55	7.00
1660	16°C	21°C	16.40	12.17	4.45	15.80	11.86	4.81	15.19	11.55	5.21	14.56	11.23	5.65	13.36	10.46	6.13	12.31	9.84	6.75
		24°C	16.49	14.79	4.46	15.89	14.44	4.82	15.29	14.09	5.22	14.67	13.72	5.66	13.47	12.80	6.14	12.45	12.07	6.76
		27°C	16.75	16.75	4.47	16.20	16.20	4.84	15.66	15.66	5.24	15.09	15.09	5.69	13.95	13.95	6.18	13.00	13.00	6.82
		30°C	17.59	17.59	4.51	17.07	17.07	4.88	16.55	16.55	5.30	16.01	16.01	5.75	14.82	14.82	6.25	13.84	13.84	6.90
	19°C	24°C	18.05	11.67	4.52	17.40	11.39	4.90	16.74	11.09	5.31	16.06	10.79	5.75	14.73	10.06	6.24	13.60	9.49	6.87
		27°C	18.10	13.51	4.53	17.45	13.20	4.90	16.80	12.89	5.31	16.12	12.57	5.76	14.80	11.76	6.25	13.68	11.12	6.88
		30°C	18.25	16.62	4.54	17.61	16.26	4.91	16.98	15.89	5.32	16.33	15.49	5.77	15.03	14.47	6.26	13.95	13.64	6.91
		33°C	18.65	18.65	4.56	18.10	18.10	4.94	17.55	17.55	5.36	16.97	16.97	5.82	15.72	15.72	6.32	14.70	14.70	6.98
	22°C	27°C	19.81	11.42	4.61	19.10	11.17	4.99	18.39	10.89	5.41	17.65	10.60	5.87	16.21	9.89	6.36	14.98	9.34	7.01
		30°C	19.85	14.08	4.61	19.14	13.81	5.00	18.42	13.51	5.41	17.68	13.20	5.87	16.25	12.36	6.37	15.03	11.72	7.01
		33°C	19.92	16.50	4.62	19.23	16.21	5.00	18.52	15.87	5.42	17.79	15.52	5.88	16.37	14.55	6.38	15.17	13.81	7.03
		36°C	20.09	18.63	4.63	19.46	18.29	5.02	18.79	17.89	5.44	18.12	17.45	5.90	16.74	16.27	6.41	15.61	15.32	7.07

Remark:

AFR: Air flow rate (CFM)
 EWB: Entering Wet Bulb Temp. (°C)
 EDB: Entering Dry Bulb Temp. (°C)
 TC: Total Cooling Capacity (kW)
 SC: Sensible Cooling Capacity (kW)
 PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Performance Tables

R410A Cooling Only (Low Static)

Model: A5CC10C - A5LC10F

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
180	16°C	21°C	2.48	1.64	0.74	2.39	1.59	0.80	2.30	1.55	0.87	2.21	1.51	0.94	2.03	1.40	1.02	1.87	1.32	1.13
		24°C	2.48	1.96	0.74	2.39	1.92	0.80	2.31	1.87	0.87	2.21	1.82	0.94	2.03	1.70	1.02	1.88	1.61	1.13
		27°C	2.50	2.22	0.74	2.42	2.17	0.80	2.33	2.12	0.87	2.25	2.07	0.95	2.07	1.92	1.03	1.93	1.81	1.13
		30°C	2.58	2.58	0.75	2.51	2.51	0.81	2.43	2.43	0.88	2.35	2.35	0.95	2.18	2.18	1.03	2.04	2.04	1.14
	19°C	24°C	2.73	1.53	0.75	2.64	1.49	0.82	2.54	1.45	0.88	2.44	1.41	0.96	2.24	1.31	1.04	2.07	1.24	1.15
		27°C	2.74	1.75	0.75	2.64	1.71	0.82	2.54	1.67	0.88	2.44	1.63	0.96	2.25	1.52	1.04	2.08	1.44	1.15
		30°C	2.74	2.16	0.75	2.65	2.11	0.82	2.55	2.07	0.89	2.46	2.02	0.96	2.26	1.88	1.04	2.10	1.78	1.15
		33°C	2.77	2.77	0.76	2.68	2.68	0.82	2.60	2.60	0.89	2.51	2.51	0.96	2.32	2.32	1.05	2.17	2.17	1.16
	22°C	27°C	3.01	1.50	0.77	2.90	1.46	0.83	2.80	1.42	0.90	2.69	1.38	0.98	2.47	1.29	1.06	2.29	1.22	1.17
		30°C	3.01	1.82	0.77	2.91	1.78	0.83	2.80	1.74	0.90	2.69	1.70	0.98	2.47	1.59	1.06	2.29	1.51	1.17
		33°C	3.01	2.13	0.77	2.91	2.09	0.83	2.80	2.05	0.90	2.69	2.01	0.98	2.48	1.88	1.06	2.30	1.79	1.17
		36°C	3.02	2.41	0.77	2.92	2.37	0.83	2.82	2.32	0.90	2.72	2.27	0.98	2.51	2.12	1.06	2.33	2.02	1.17
220	16°C	21°C	2.58	1.71	0.75	2.49	1.66	0.81	2.39	1.62	0.88	2.30	1.57	0.95	2.11	1.47	1.03	1.94	1.38	1.14
		24°C	2.59	2.07	0.75	2.49	2.02	0.81	2.40	1.98	0.88	2.30	1.93	0.95	2.12	1.80	1.03	1.96	1.70	1.14
		27°C	2.62	2.35	0.75	2.53	2.30	0.81	2.44	2.24	0.88	2.36	2.17	0.96	2.18	2.02	1.04	2.03	1.89	1.14
		30°C	2.73	2.73	0.76	2.65	2.65	0.82	2.57	2.57	0.89	2.49	2.49	0.96	2.30	2.30	1.05	2.15	2.15	1.16
	19°C	24°C	2.84	1.62	0.76	2.74	1.58	0.82	2.64	1.53	0.89	2.53	1.49	0.97	2.33	1.39	1.05	2.15	1.31	1.16
		27°C	2.85	1.86	0.76	2.75	1.82	0.82	2.64	1.78	0.89	2.54	1.74	0.97	2.33	1.62	1.05	2.16	1.54	1.16
		30°C	2.86	2.30	0.76	2.76	2.25	0.83	2.66	2.20	0.89	2.56	2.14	0.97	2.36	2.00	1.05	2.19	1.89	1.16
		33°C	2.91	2.91	0.76	2.82	2.82	0.83	2.73	2.73	0.90	2.64	2.64	0.98	2.45	2.45	1.06	2.29	2.29	1.17
	22°C	27°C	3.12	1.58	0.78	3.01	1.54	0.84	2.90	1.51	0.91	2.79	1.47	0.99	2.56	1.37	1.07	2.37	1.29	1.18
		30°C	3.13	1.94	0.78	3.02	1.90	0.84	2.90	1.86	0.91	2.79	1.82	0.99	2.56	1.70	1.07	2.37	1.61	1.18
		33°C	3.13	2.27	0.78	3.02	2.23	0.84	2.91	2.19	0.91	2.80	2.14	0.99	2.57	2.01	1.07	2.39	1.91	1.18
		36°C	3.15	2.57	0.78	3.05	2.52	0.84	2.94	2.47	0.91	2.84	2.41	0.99	2.62	2.26	1.08	2.44	2.13	1.19
250	16°C	21°C	2.68	1.78	0.76	2.58	1.74	0.82	2.48	1.69	0.88	2.38	1.64	0.96	2.18	1.53	1.04	2.01	1.44	1.15
		24°C	2.69	2.17	0.76	2.59	2.11	0.82	2.49	2.06	0.89	2.39	2.01	0.96	2.20	1.87	1.04	2.03	1.77	1.15
		27°C	2.73	2.48	0.76	2.64	2.42	0.82	2.55	2.35	0.89	2.46	2.28	0.97	2.28	2.11	1.05	2.12	1.97	1.16
		30°C	2.87	2.87	0.76	2.79	2.79	0.83	2.70	2.70	0.90	2.61	2.61	0.98	2.42	2.42	1.06	2.26	2.26	1.17
	19°C	24°C	2.94	1.71	0.77	2.84	1.67	0.83	2.73	1.62	0.90	2.62	1.58	0.98	2.40	1.47	1.06	2.22	1.39	1.17
		27°C	2.95	1.98	0.77	2.85	1.93	0.83	2.74	1.89	0.90	2.63	1.84	0.98	2.41	1.72	1.06	2.23	1.63	1.17
		30°C	2.98	2.43	0.77	2.87	2.38	0.83	2.77	2.33	0.90	2.66	2.27	0.98	2.45	2.12	1.06	2.28	2.00	1.17
		33°C	3.04	3.04	0.77	2.95	2.95	0.84	2.86	2.86	0.91	2.77	2.77	0.99	2.56	2.56	1.07	2.40	2.40	1.18
	22°C	27°C	3.23	1.67	0.78	3.12	1.64	0.85	3.00	1.59	0.92	2.88	1.55	1.00	2.64	1.45	1.08	2.44	1.37	1.19
		30°C	3.24	2.06	0.78	3.12	2.02	0.85	3.01	1.98	0.92	2.88	1.93	1.00	2.65	1.81	1.08	2.45	1.72	1.19
		33°C	3.25	2.42	0.78	3.14	2.37	0.85	3.02	2.32	0.92	2.90	2.27	1.00	2.67	2.13	1.08	2.47	2.02	1.19
		36°C	3.28	2.73	0.78	3.18	2.68	0.85	3.07	2.62	0.92	2.96	2.55	1.00	2.73	2.38	1.09	2.55	2.24	1.20

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC15C - A5LC15F

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
280	16°C	21°C	3.31	2.18	1.08	3.19	2.13	1.17	3.07	2.07	1.26	2.95	2.01	1.37	2.71	1.87	1.49	2.50	1.76	1.64
		24°C	3.31	2.62	1.08	3.20	2.56	1.17	3.08	2.50	1.26	2.95	2.43	1.37	2.71	2.27	1.49	2.51	2.15	1.64
		27°C	3.34	2.97	1.08	3.23	2.90	1.17	3.11	2.83	1.27	3.00	2.76	1.37	2.77	2.57	1.49	2.57	2.41	1.65
		30°C	3.44	3.44	1.09	3.34	3.34	1.18	3.24	3.24	1.28	3.14	3.14	1.38	2.91	2.91	1.50	2.72	2.72	1.66
	19°C	24°C	3.65	2.04	1.10	3.52	1.99	1.19	3.39	1.93	1.29	3.26	1.88	1.39	2.99	1.75	1.51	2.77	1.65	1.67
		27°C	3.65	2.33	1.10	3.52	2.28	1.19	3.39	2.23	1.29	3.26	2.17	1.39	3.00	2.03	1.51	2.77	1.93	1.67
		30°C	3.66	2.88	1.10	3.53	2.82	1.19	3.41	2.76	1.29	3.28	2.69	1.40	3.02	2.52	1.51	2.80	2.38	1.67
		33°C	3.70	3.70	1.10	3.58	3.58	1.19	3.46	3.46	1.29	3.35	3.35	1.40	3.10	3.10	1.52	2.89	2.89	1.68
	22°C	27°C	4.02	2.00	1.12	3.88	1.95	1.21	3.73	1.90	1.31	3.59	1.85	1.42	3.30	1.72	1.54	3.05	1.62	1.70
		30°C	4.02	2.43	1.12	3.88	2.38	1.21	3.74	2.33	1.31	3.59	2.27	1.42	3.30	2.13	1.54	3.06	2.02	1.70
		33°C	4.02	2.84	1.12	3.88	2.79	1.21	3.74	2.73	1.31	3.59	2.68	1.42	3.31	2.51	1.54	3.06	2.39	1.70
		36°C	4.03	3.22	1.12	3.90	3.16	1.21	3.76	3.09	1.31	3.63	3.02	1.42	3.34	2.83	1.55	3.11	2.69	1.70
370	16°C	21°C	3.44	2.28	1.09	3.32	2.22	1.18	3.19	2.16	1.27	3.06	2.10	1.38	2.81	1.96	1.50	2.59	1.84	1.65
		24°C	3.45	2.77	1.09	3.33	2.70	1.18	3.21	2.64	1.28	3.08	2.57	1.38	2.83	2.40	1.50	2.61	2.26	1.65
		27°C	3.50	3.14	1.09	3.38	3.07	1.18	3.26	2.99	1.28	3.14	2.90	1.39	2.90	2.69	1.51	2.70	2.52	1.66
		30°C	3.64	3.64	1.10	3.54	3.54	1.19	3.43	3.43	1.29	3.32	3.32	1.40	3.07	3.07	1.52	2.87	2.87	1.68
	19°C	24°C	3.79	2.16	1.11	3.66	2.10	1.20	3.52	2.05	1.30	3.38	1.99	1.41	3.10	1.86	1.53	2.87	1.75	1.68
		27°C	3.80	2.48	1.11	3.66	2.43	1.20	3.53	2.37	1.30	3.39	2.32	1.41	3.11	2.17	1.53	2.88	2.05	1.68
		30°C	3.82	3.06	1.11	3.69	3.00	1.20	3.55	2.93	1.30	3.42	2.86	1.41	3.15	2.67	1.53	2.92	2.53	1.69
		33°C	3.88	3.88	1.11	3.76	3.76	1.20	3.64	3.64	1.31	3.52	3.52	1.42	3.26	3.26	1.54	3.05	3.05	1.70
	22°C	27°C	4.17	2.11	1.13	4.02	2.06	1.22	3.87	2.01	1.32	3.72	1.96	1.43	3.42	1.82	1.56	3.16	1.72	1.71
		30°C	4.17	2.59	1.13	4.03	2.54	1.22	3.88	2.48	1.32	3.72	2.42	1.44	3.42	2.27	1.56	3.16	2.15	1.71
		33°C	4.18	3.04	1.13	4.04	2.98	1.22	3.89	2.92	1.32	3.73	2.86	1.44	3.44	2.68	1.56	3.18	2.54	1.72
		36°C	4.21	3.43	1.13	4.07	3.37	1.22	3.93	3.30	1.33	3.79	3.22	1.44	3.49	3.01	1.56	3.26	2.84	1.73
410	16°C	21°C	3.57	2.38	1.10	3.44	2.32	1.19	3.31	2.26	1.29	3.17	2.19	1.39	2.91	2.04	1.51	2.68	1.92	1.67
		24°C	3.59	2.89	1.10	3.46	2.82	1.19	3.33	2.75	1.29	3.19	2.68	1.40	2.93	2.50	1.51	2.71	2.36	1.67
		27°C	3.65	3.31	1.10	3.53	3.23	1.19	3.41	3.14	1.29	3.29	3.04	1.40	3.04	2.82	1.52	2.83	2.63	1.68
		30°C	3.83	3.83	1.11	3.72	3.72	1.20	3.60	3.60	1.31	3.48	3.48	1.42	3.23	3.23	1.54	3.01	3.01	1.70
	19°C	24°C	3.93	2.28	1.12	3.79	2.22	1.21	3.64	2.17	1.31	3.50	2.11	1.42	3.21	1.97	1.54	2.96	1.85	1.69
		27°C	3.94	2.64	1.12	3.80	2.58	1.21	3.66	2.52	1.31	3.51	2.46	1.42	3.22	2.30	1.54	2.98	2.17	1.70
		30°C	3.97	3.25	1.12	3.83	3.18	1.21	3.70	3.10	1.31	3.55	3.03	1.42	3.27	2.83	1.54	3.04	2.66	1.70
		33°C	4.06	4.06	1.12	3.94	3.94	1.22	3.82	3.82	1.32	3.69	3.69	1.44	3.42	3.42	1.56	3.20	3.20	1.72
	22°C	27°C	4.31	2.23	1.14	4.16	2.18	1.23	4.00	2.13	1.33	3.84	2.07	1.45	3.53	1.93	1.57	3.26	1.83	1.73
		30°C	4.32	2.75	1.14	4.17	2.70	1.23	4.01	2.64	1.34	3.85	2.58	1.45	3.54	2.42	1.57	3.27	2.29	1.73
		33°C	4.34	3.22	1.14	4.19	3.17	1.23	4.03	3.10	1.34	3.87	3.03	1.45	3.56	2.84	1.57	3.30	2.70	1.73
		36°C	4.38	3.64	1.14	4.24	3.57	1.24	4.09	3.50	1.34	3.94	3.41	1.46	3.64	3.18	1.58	3.40	2.99	1.74

Remark:

- AFR: Air flow rate (CFM)
- EWB: Entering Wet Bulb Temp. (°C)
- EDB: Entering Dry Bulb Temp. (°C)
- TC: Total Cooling Capacity (kW)
- SC: Sensible Cooling Capacity (kW)
- PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC20C - A5LC20C

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
480	16°C	21°C	4.97	3.47	1.37	4.80	3.38	1.48	4.62	3.29	1.60	4.43	3.20	1.74	4.07	2.97	1.88	3.76	2.80	2.08
		24°C	4.98	4.16	1.37	4.80	4.06	1.48	4.62	3.97	1.60	4.44	3.87	1.74	4.08	3.61	1.89	3.77	3.41	2.08
		27°C	5.02	4.71	1.37	4.85	4.61	1.48	4.68	4.50	1.61	4.50	4.38	1.74	4.16	4.08	1.89	3.87	3.83	2.09
		30°C	5.17	5.17	1.38	5.02	5.02	1.49	4.87	4.87	1.62	4.71	4.71	1.76	4.37	4.37	1.91	4.09	4.09	2.11
	19°C	24°C	5.48	3.24	1.39	5.29	3.16	1.50	5.10	3.08	1.63	4.90	2.99	1.77	4.50	2.78	1.92	4.16	2.62	2.11
		27°C	5.49	3.71	1.39	5.29	3.63	1.50	5.10	3.54	1.63	4.90	3.46	1.77	4.50	3.23	1.92	4.16	3.06	2.11
		30°C	5.50	4.58	1.39	5.31	4.48	1.51	5.12	4.38	1.63	4.92	4.27	1.77	4.53	4.00	1.92	4.21	3.78	2.12
		33°C	5.56	5.56	1.39	5.38	5.38	1.51	5.21	5.21	1.64	5.03	5.03	1.78	4.65	4.65	1.93	4.35	4.35	2.13
	22°C	27°C	6.03	3.17	1.41	5.82	3.10	1.53	5.61	3.02	1.66	5.39	2.94	1.80	4.96	2.74	1.95	4.59	2.58	2.15
		30°C	6.03	3.87	1.41	5.83	3.78	1.53	5.61	3.70	1.66	5.39	3.61	1.80	4.96	3.38	1.96	4.59	3.20	2.15
		33°C	6.04	4.52	1.41	5.83	4.43	1.53	5.62	4.34	1.66	5.40	4.25	1.80	4.97	3.99	1.96	4.60	3.79	2.16
		36°C	6.06	5.12	1.42	5.86	5.02	1.53	5.65	4.91	1.66	5.45	4.81	1.81	5.02	4.51	1.96	4.67	4.27	2.16
520	16°C	21°C	5.17	3.62	1.38	4.98	3.53	1.49	4.80	3.43	1.62	4.60	3.34	1.75	4.22	3.11	1.90	3.89	2.92	2.09
		24°C	5.19	4.39	1.38	5.00	4.29	1.49	4.81	4.19	1.62	4.62	4.08	1.75	4.24	3.81	1.90	3.92	3.59	2.10
		27°C	5.25	4.99	1.38	5.07	4.87	1.50	4.90	4.75	1.62	4.72	4.61	1.76	4.36	4.28	1.91	4.06	4.00	2.11
		30°C	5.47	5.47	1.39	5.31	5.31	1.51	5.15	5.15	1.64	4.98	4.98	1.78	4.61	4.61	1.93	4.31	4.31	2.13
	19°C	24°C	5.70	3.42	1.40	5.49	3.34	1.52	5.29	3.25	1.64	5.07	3.16	1.78	4.66	2.95	1.93	4.31	2.78	2.13
		27°C	5.71	3.94	1.40	5.50	3.86	1.52	5.30	3.77	1.65	5.08	3.68	1.78	4.67	3.44	1.94	4.32	3.26	2.13
		30°C	5.73	4.86	1.40	5.53	4.76	1.52	5.34	4.65	1.65	5.13	4.54	1.79	4.73	4.24	1.94	4.38	4.01	2.14
		33°C	5.83	5.83	1.41	5.65	5.65	1.53	5.47	5.47	1.66	5.29	5.29	1.80	4.90	4.90	1.95	4.58	4.58	2.16
	22°C	27°C	6.26	3.35	1.43	6.04	3.27	1.55	5.81	3.19	1.68	5.58	3.10	1.82	5.13	2.90	1.97	4.75	2.73	2.17
		30°C	6.27	4.11	1.43	6.05	4.03	1.55	5.82	3.94	1.68	5.59	3.85	1.82	5.14	3.60	1.97	4.75	3.42	2.17
		33°C	6.28	4.82	1.43	6.06	4.73	1.55	5.84	4.63	1.68	5.61	4.53	1.82	5.16	4.25	1.98	4.78	4.04	2.18
		36°C	6.32	5.45	1.43	6.11	5.35	1.55	5.90	5.23	1.68	5.68	5.11	1.83	5.24	4.78	1.98	4.89	4.51	2.19
540	16°C	21°C	5.36	3.78	1.39	5.16	3.68	1.50	4.97	3.58	1.63	4.76	3.48	1.77	4.37	3.24	1.92	4.03	3.05	2.11
		24°C	5.39	4.59	1.39	5.19	4.48	1.51	5.00	4.37	1.63	4.80	4.25	1.77	4.41	3.97	1.92	4.07	3.74	2.11
		27°C	5.48	5.26	1.40	5.30	5.12	1.51	5.12	4.98	1.64	4.93	4.82	1.78	4.56	4.47	1.93	4.25	4.17	2.13
		30°C	5.75	5.75	1.41	5.58	5.58	1.53	5.41	5.41	1.66	5.23	5.23	1.80	4.84	4.84	1.95	4.52	4.52	2.16
	19°C	24°C	5.90	3.62	1.41	5.69	3.53	1.53	5.47	3.44	1.66	5.25	3.35	1.80	4.82	3.12	1.95	4.45	2.94	2.15
		27°C	5.92	4.19	1.42	5.71	4.09	1.53	5.49	4.00	1.66	5.27	3.90	1.80	4.84	3.65	1.95	4.47	3.45	2.15
		30°C	5.97	5.16	1.42	5.76	5.04	1.54	5.55	4.93	1.66	5.34	4.80	1.80	4.91	4.49	1.96	4.56	4.23	2.16
		33°C	6.10	6.10	1.42	5.92	5.92	1.54	5.74	5.74	1.68	5.55	5.55	1.82	5.14	5.14	1.98	4.81	4.81	2.18
	22°C	27°C	6.48	3.54	1.44	6.25	3.46	1.56	6.01	3.38	1.69	5.77	3.29	1.83	5.30	3.07	1.99	4.90	2.90	2.19
		30°C	6.49	4.37	1.44	6.26	4.28	1.56	6.02	4.19	1.69	5.78	4.10	1.84	5.31	3.84	1.99	4.91	3.64	2.19
		33°C	6.51	5.12	1.44	6.29	5.03	1.56	6.05	4.92	1.70	5.82	4.81	1.84	5.35	4.51	1.99	4.96	4.28	2.20
		36°C	6.57	5.78	1.45	6.36	5.67	1.57	6.14	5.55	1.70	5.92	5.41	1.85	5.47	5.05	2.00	5.10	4.75	2.21

Remark:

- AFR: Air flow rate (CFM)
- EWB: Entering Wet Bulb Temp. (°C)
- EDB: Entering Dry Bulb Temp. (°C)
- TC: Total Cooling Capacity (kW)
- SC: Sensible Cooling Capacity (kW)
- PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: A5CC25C - A5LC25C

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
530	16°C	21°C	5.80	3.94	1.55	5.60	3.84	1.68	5.39	3.74	1.82	5.17	3.63	1.97	4.75	3.38	2.14	4.38	3.18	2.36
		24°C	5.81	4.72	1.55	5.60	4.61	1.68	5.39	4.50	1.82	5.18	4.39	1.97	4.76	4.10	2.14	4.40	3.87	2.36
		27°C	5.85	5.35	1.55	5.66	5.23	1.68	5.46	5.11	1.82	5.25	4.98	1.98	4.85	4.63	2.14	4.51	4.35	2.37
		30°C	6.03	6.03	1.56	5.86	5.86	1.69	5.68	5.68	1.83	5.50	5.50	1.99	5.10	5.10	2.16	4.77	4.77	2.39
	19°C	24°C	6.40	3.68	1.58	6.17	3.59	1.71	5.95	3.49	1.85	5.71	3.39	2.01	5.25	3.16	2.18	4.85	2.98	2.40
		27°C	6.40	4.21	1.58	6.18	4.12	1.71	5.95	4.02	1.85	5.72	3.92	2.01	5.25	3.67	2.18	4.86	3.48	2.40
		30°C	6.41	5.20	1.58	6.19	5.08	1.71	5.97	4.97	1.85	5.75	4.85	2.01	5.29	4.54	2.18	4.91	4.29	2.40
		33°C	6.49	6.49	1.58	6.28	6.28	1.71	6.07	6.07	1.86	5.87	5.87	2.02	5.43	5.43	2.19	5.07	5.07	2.42
	22°C	27°C	7.04	3.60	1.60	6.80	3.51	1.74	6.55	3.43	1.88	6.29	3.33	2.04	5.79	3.11	2.22	5.36	2.93	2.44
		30°C	7.04	4.39	1.60	6.80	4.30	1.74	6.55	4.20	1.88	6.29	4.10	2.04	5.79	3.84	2.22	5.36	3.64	2.44
		33°C	7.05	5.13	1.61	6.80	5.03	1.74	6.55	4.93	1.89	6.30	4.83	2.05	5.80	4.53	2.22	5.37	4.30	2.45
		36°C	7.07	5.81	1.61	6.83	5.70	1.74	6.60	5.58	1.89	6.36	5.46	2.05	5.86	5.11	2.22	5.45	4.85	2.45
580	16°C	21°C	6.03	4.11	1.57	5.82	4.00	1.69	5.60	3.90	1.83	5.37	3.79	1.99	4.92	3.53	2.16	4.54	3.32	2.38
		24°C	6.05	4.99	1.57	5.83	4.87	1.69	5.62	4.75	1.84	5.39	4.63	1.99	4.95	4.32	2.16	4.58	4.08	2.38
		27°C	6.13	5.66	1.57	5.92	5.53	1.70	5.72	5.39	1.84	5.51	5.23	2.00	5.09	4.86	2.17	4.74	4.54	2.39
		30°C	6.38	6.38	1.58	6.20	6.20	1.71	6.01	6.01	1.86	5.81	5.81	2.02	5.39	5.39	2.19	5.03	5.03	2.42
	19°C	24°C	6.65	3.89	1.59	6.41	3.79	1.72	6.17	3.69	1.87	5.92	3.59	2.02	5.44	3.34	2.19	5.02	3.15	2.42
		27°C	6.66	4.48	1.59	6.42	4.38	1.72	6.18	4.28	1.87	5.93	4.18	2.02	5.45	3.91	2.20	5.04	3.70	2.42
		30°C	6.69	5.52	1.59	6.46	5.40	1.73	6.23	5.28	1.87	5.99	5.15	2.03	5.51	4.82	2.20	5.12	4.55	2.43
		33°C	6.80	6.80	1.60	6.60	6.60	1.73	6.39	6.39	1.88	6.17	6.17	2.04	5.72	5.72	2.22	5.35	5.35	2.45
	22°C	27°C	7.30	3.81	1.62	7.05	3.72	1.76	6.79	3.62	1.90	6.52	3.52	2.06	5.99	3.29	2.24	5.54	3.10	2.46
		30°C	7.31	4.67	1.62	7.06	4.57	1.76	6.79	4.47	1.90	6.52	4.37	2.06	6.00	4.09	2.24	5.55	3.88	2.47
		33°C	7.33	5.47	1.62	7.07	5.37	1.76	6.81	5.26	1.90	6.54	5.15	2.07	6.02	4.83	2.24	5.58	4.58	2.47
		36°C	7.37	6.19	1.62	7.13	6.07	1.76	6.88	5.94	1.91	6.63	5.80	2.07	6.12	5.43	2.25	5.71	5.12	2.48
607	16°C	21°C	6.26	4.29	1.58	6.03	4.18	1.71	5.80	4.07	1.85	5.56	3.95	2.00	5.10	3.68	2.17	4.70	3.47	2.39
		24°C	6.29	5.21	1.58	6.06	5.08	1.71	5.83	4.96	1.85	5.60	4.83	2.01	5.14	4.51	2.18	4.75	4.25	2.40
		27°C	6.39	5.97	1.58	6.18	5.81	1.72	5.97	5.65	1.86	5.76	5.48	2.02	5.32	5.07	2.19	4.96	4.74	2.42
		30°C	6.71	6.71	1.60	6.51	6.51	1.73	6.31	6.31	1.88	6.11	6.11	2.04	5.65	5.65	2.22	5.28	5.28	2.45
	19°C	24°C	6.89	4.11	1.60	6.64	4.01	1.74	6.39	3.91	1.88	6.13	3.80	2.04	5.62	3.54	2.21	5.19	3.34	2.44
		27°C	6.91	4.76	1.61	6.66	4.65	1.74	6.41	4.54	1.88	6.15	4.43	2.04	5.65	4.14	2.21	5.22	3.92	2.44
		30°C	6.96	5.85	1.61	6.72	5.73	1.74	6.48	5.60	1.89	6.23	5.45	2.05	5.73	5.09	2.22	5.32	4.80	2.45
		33°C	7.11	7.11	1.62	6.91	6.91	1.75	6.69	6.69	1.90	6.47	6.47	2.06	6.00	6.00	2.24	5.61	5.61	2.48
	22°C	27°C	7.56	4.02	1.63	7.29	3.93	1.77	7.01	3.83	1.92	6.73	3.73	2.08	6.18	3.48	2.26	5.71	3.29	2.48
		30°C	7.57	4.96	1.64	7.30	4.86	1.77	7.03	4.76	1.92	6.75	4.65	2.08	6.20	4.35	2.26	5.73	4.13	2.49
		33°C	7.60	5.81	1.64	7.34	5.71	1.77	7.07	5.59	1.92	6.79	5.47	2.09	6.25	5.12	2.26	5.79	4.86	2.49
		36°C	7.67	6.56	1.64	7.43	6.44	1.78	7.17	6.30	1.93	6.91	6.14	2.09	6.39	5.73	2.27	5.96	5.40	2.51

Remark:

AFR: Air flow rate (CFM)
 EWB: Entering Wet Bulb Temp. (°C)
 EDB: Entering Dry Bulb Temp. (°C)
 TC: Total Cooling Capacity (kW)
 SC: Sensible Cooling Capacity (kW)
 PI: Power Input (kW)

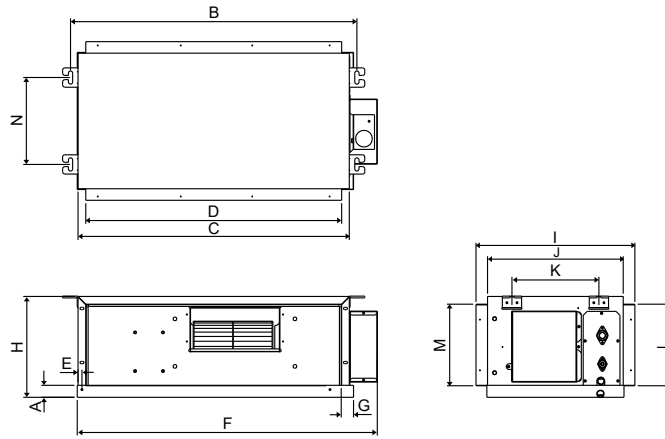
Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Outlines & Dimensions

Indoor Unit

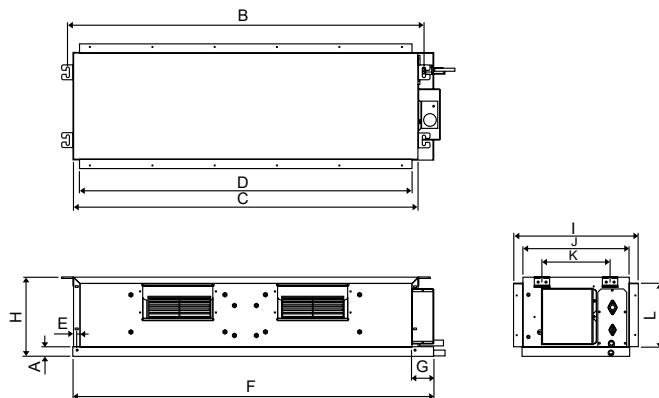
Model: A5CC10C



Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N
Model A5CC10C	31	741	702	662	10	797	32	261	411	351	225	211	211	225

Note: Dimension in mm

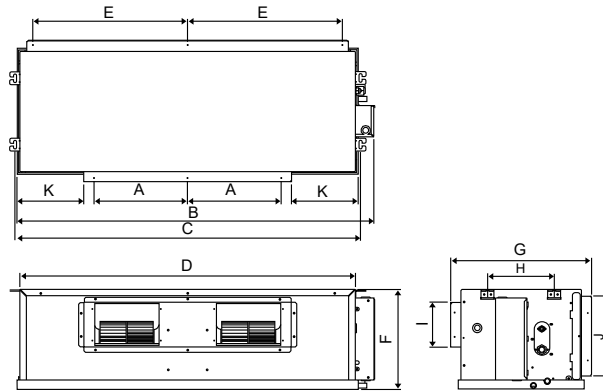
Model: A5CC15/20/25C



Dimension	A	B	C	D	E	F	G	H	I	J	K	L
Model A5CC15C	31	881	842	802	10	905	72	261	411	351	225	211
A5CC20C	31	1041	1002	962	10	1065	72	261	411	351	225	211
A5CC25C	31	1176	1137	1097	10	1200	72	261	411	351	225	211

Note: Dimension in mm

Model: A5CC30/40/50/60C

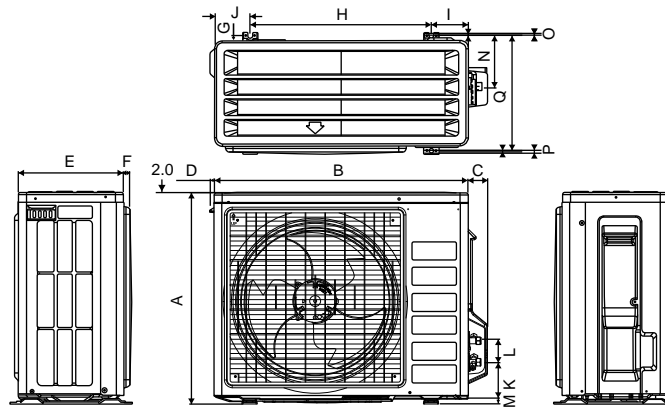


Model	A	B	C	D	E	F	G	H	I	J	K
A5CC30C	359	999	956	917	409	378	541	256	173	306	71
A5CC40C	359	1115	1072	1033	467	378	541	256	173	306	129
A5CC50C	359	1369	1326	1287	594	378	541	256	173	306	256
A5CC60C	359	1569	1526	1487	694	378	541	256	173	306	356

Note: Dimension in mm

Outdoor Unit

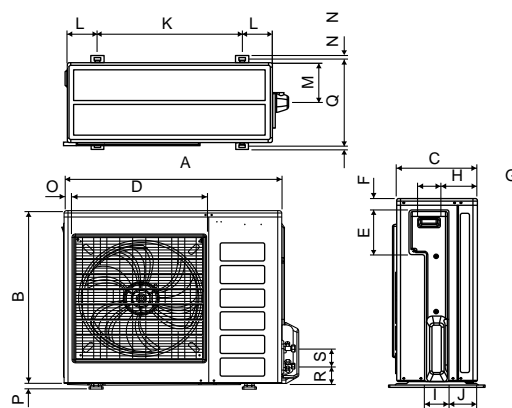
Model: A5LC10/15F



Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Model A5LC10/15F	550	658	51	11	273	16	14	470	96	93	94	60	14	133	8	10	299

Note: Dimension in mm

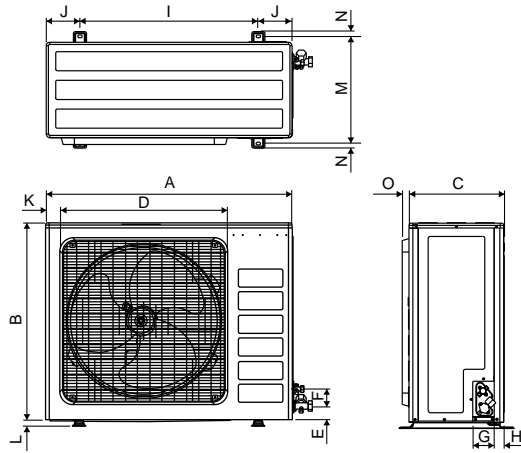
Model: A5LC20/25/28/30C



Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Model A5LC20/25C	855	628	328	520	179	46	93	149	101	113	603	126	164	15	34	23	362	73	75
Model A5LC28/30C	855	730	328	520	179	46	93	149	101	113	603	126	164	15	34	23	362	73	75

Note: Dimension in mm

Model: A5LC35/40/50/61D



Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Model															
A5LC35/40/50/61D	1030	826	400	695	57	72	90	40	746	142	60	26	448	22	28

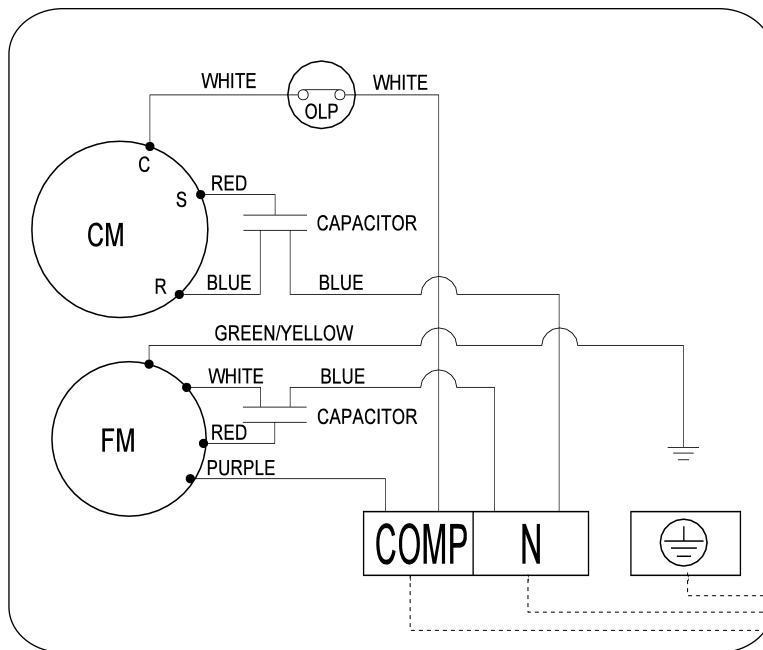
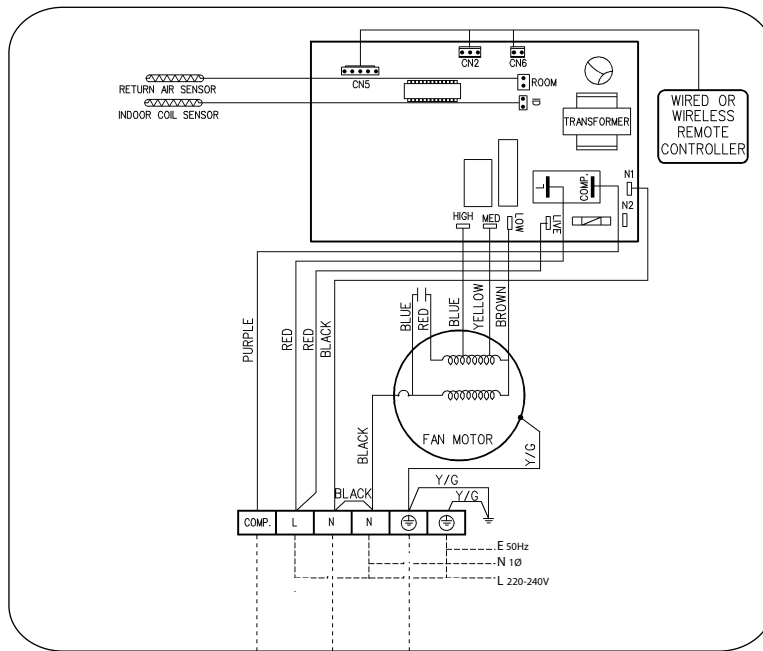
Note: Dimension in mm

Wiring Diagrams

Cooling Only

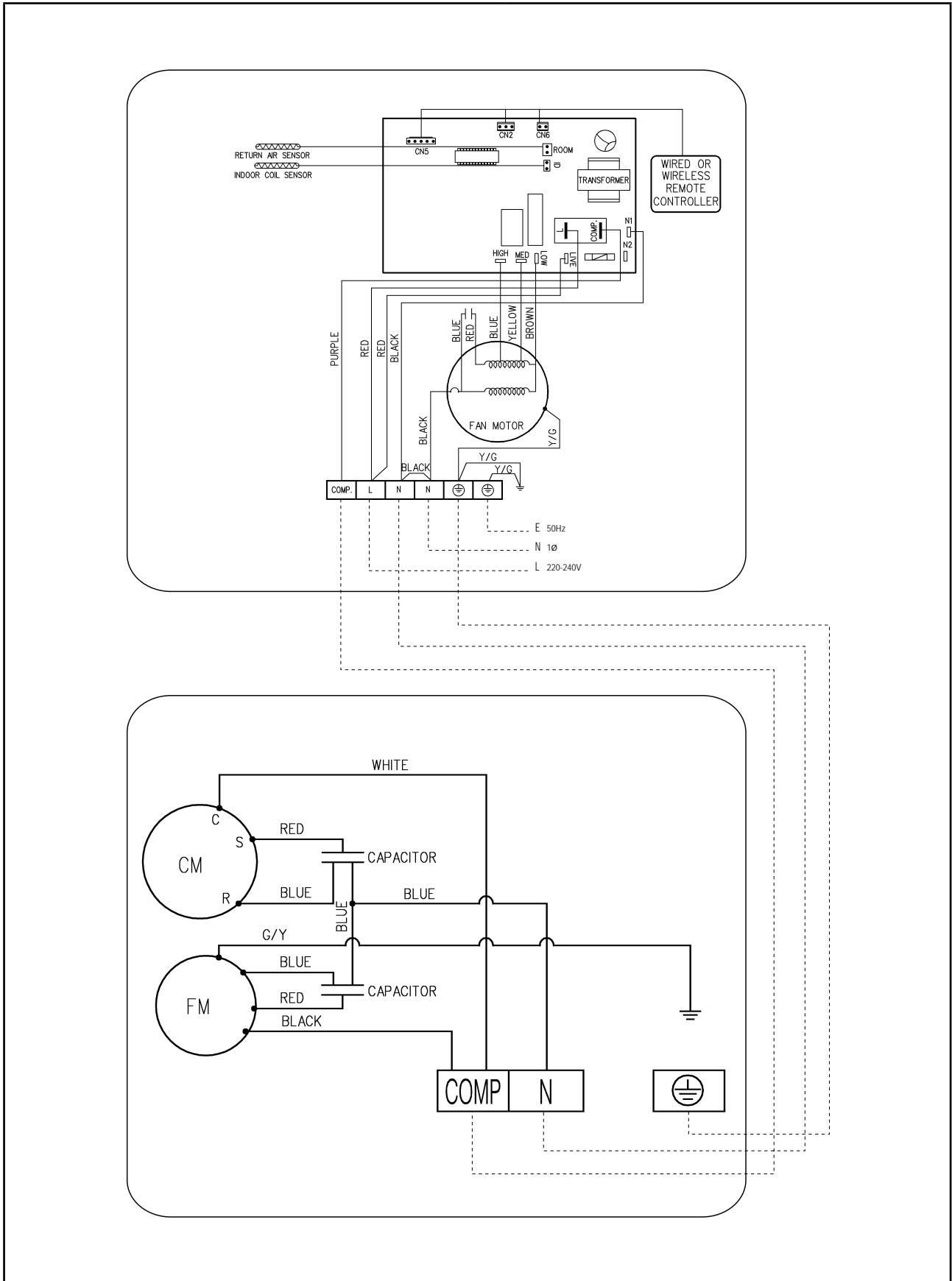
Indoor Unit
Model: A5CC10/15C

Outdoor Unit
Model: A5LC10/15F



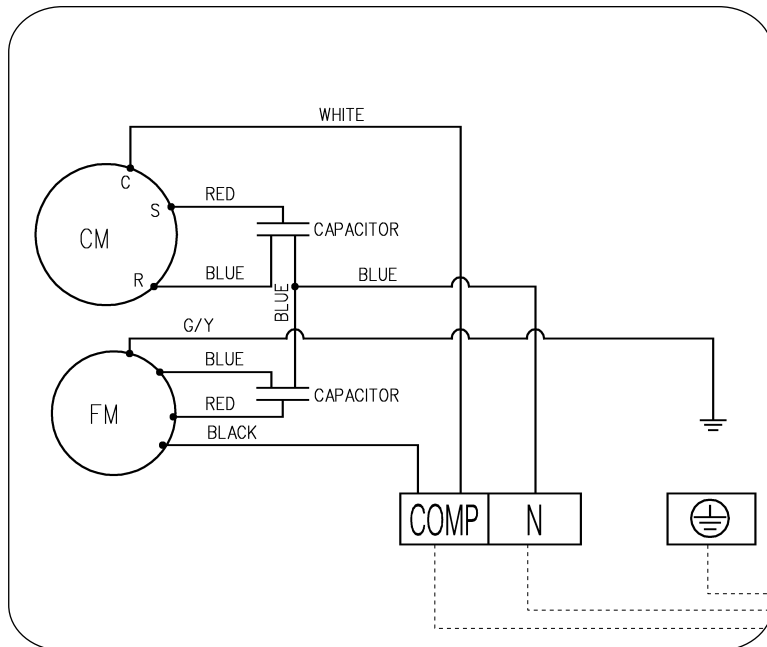
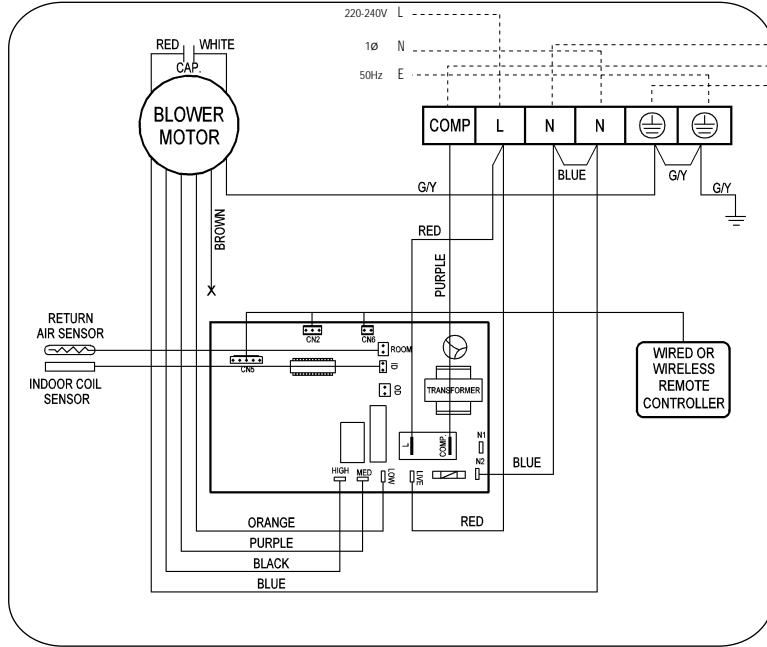
Indoor Unit
Model: A5CC20/25C

Outdoor Unit
Model: A5LC20/25C



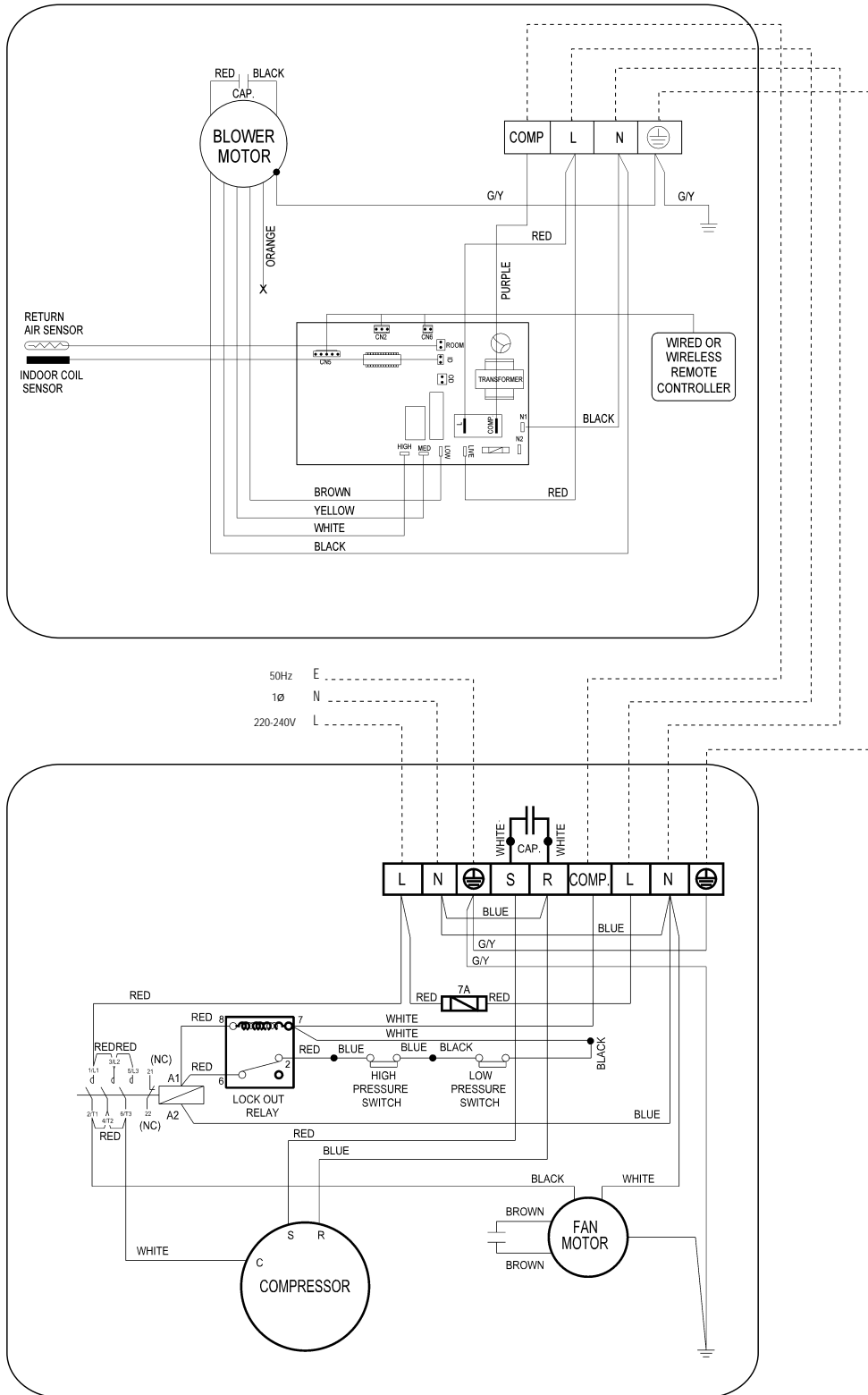
**Indoor Unit
Model: A5CC30C**

**Outdoor Unit
Model: A5LC28/30C**



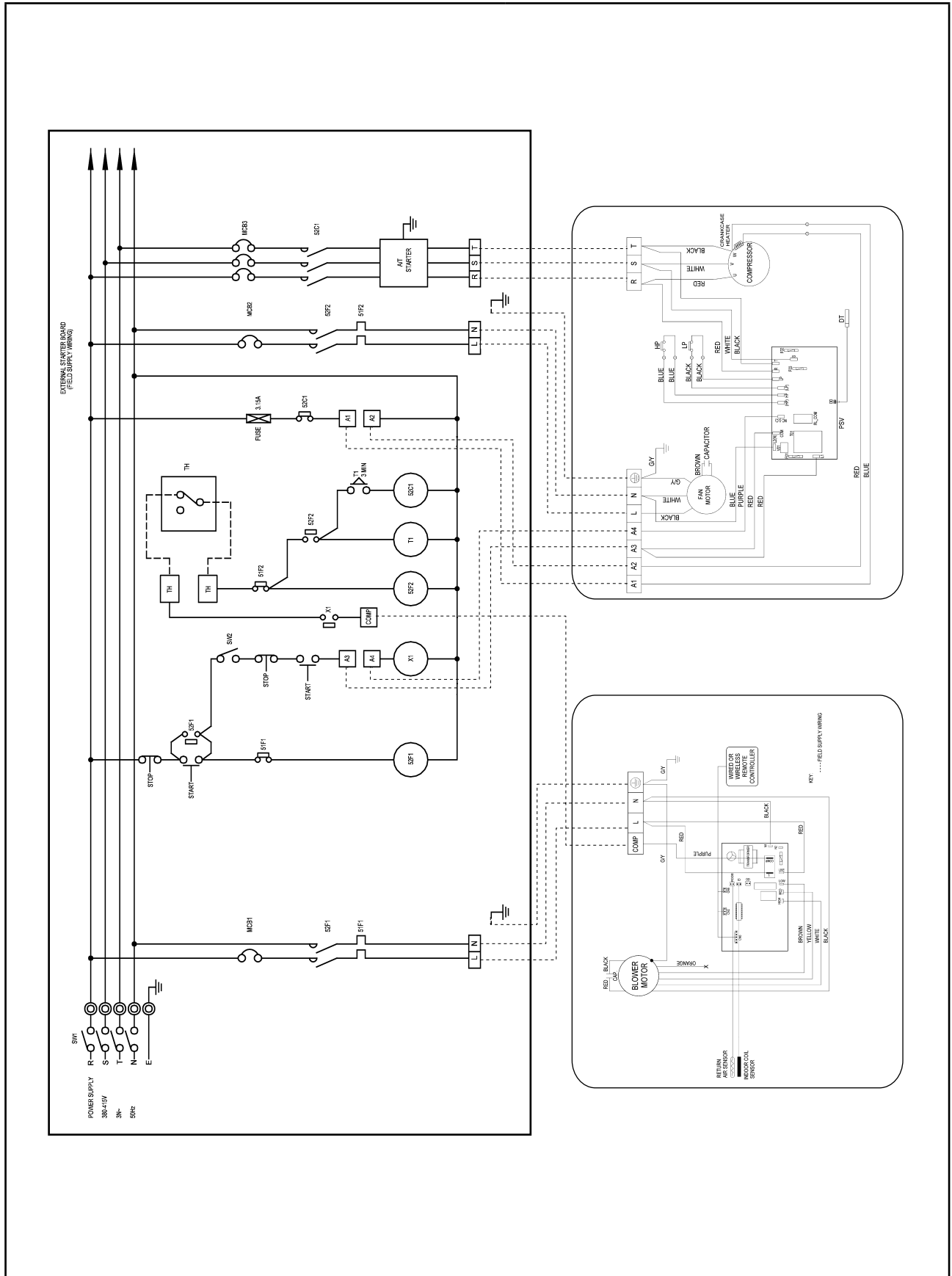
**Indoor Unit
Model: A5CC40C**

**Outdoor Unit
Model: A5LC35D**



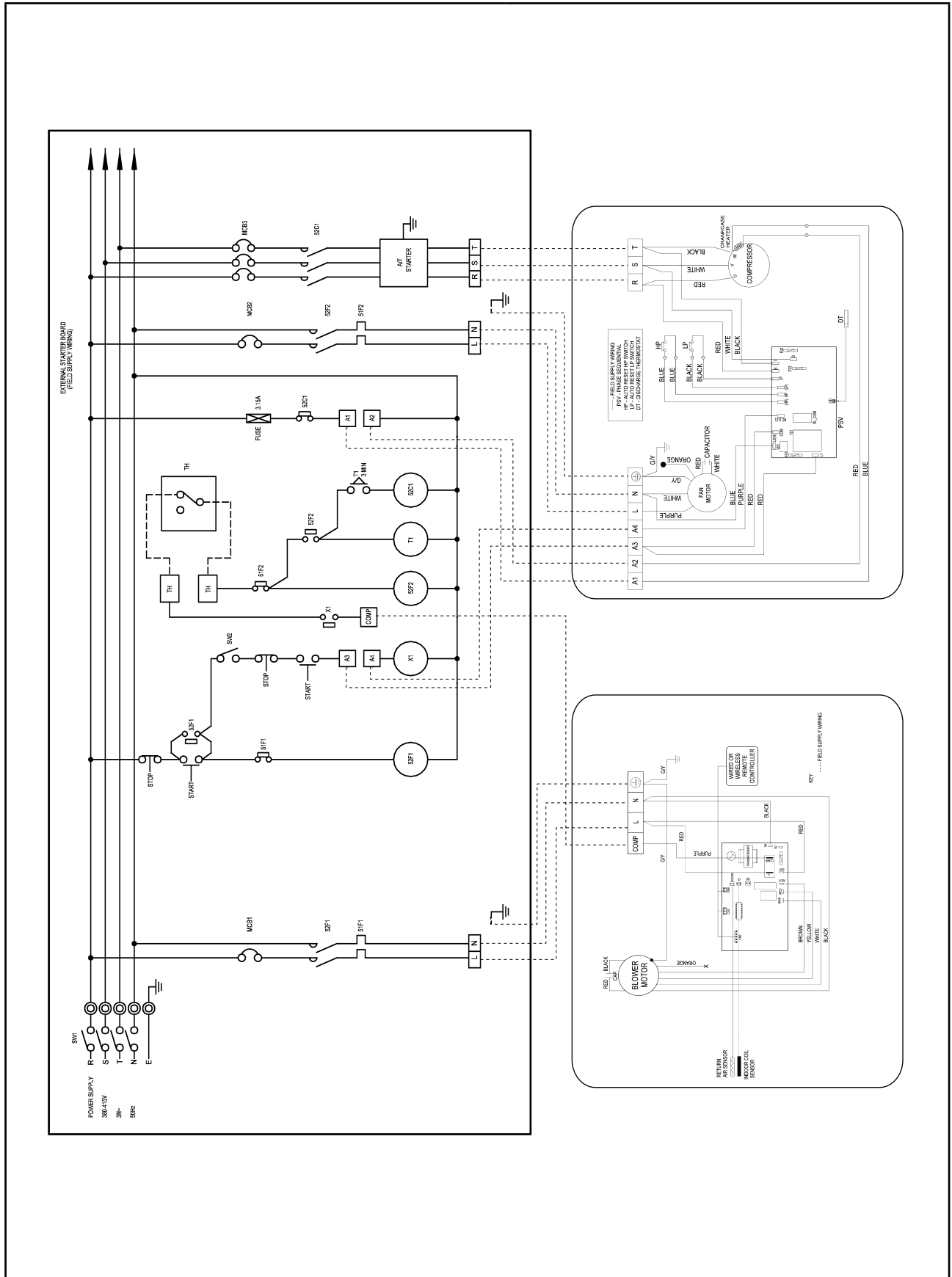
Indoor Unit
Model: A5CC40/50C

Outdoor Unit
Model: A5LC40/50D



Indoor Unit
Model: A5CC60C

Outdoor Unit
Model:A5LC61D



Service & Maintenance



Warning

Disconnect from main supply before servicing the air conditioner.

The unit is designed to give long life operation with minimum maintenance required. However, it should be regularly checked and the following items should be given due attention.

Components	Maintenance Procedure	Recommended Schedule
Air filter (Indoor Unit)	<ol style="list-style-type: none"> 1. Remove the ionizer filter before cleaning the filter. 2. Remove the dust adhering on the filter by using a vacuum cleaner or wash using water less than 40°C with a neutral cleaning detergent. 3. Rinse and dry it before fitting back the ionizer filter and set it back to unit. 4. Note : Never use petrol thinner, benzene or any other chemicals. 	At least once a month.
Indoor unit	<ol style="list-style-type: none"> 1. Clean away dirt or dust on grille or panel by wiping with soft cloth soaked in lukewarm (or cool) water or neutral detergent solution. 2. Note : Never user petrol, thinner, benzene or other volatile chemicals, which may cause plastic surface to deform. 	At least once a month.
Condense Drain Pan & Pipe	<ol style="list-style-type: none"> 1. Check the cleanliness and clean it if necessary. 2. Check the condensate water flow. 	Every 3 months.
Indoor Fan	Check if there is any abnormal noise.	If necessary.
Indoor/Outdoor Coil	<ol style="list-style-type: none"> 1. Check and remove the dirt between the fins. 2. Check and remove any obstacles which hinder air flow through the indoor or outdoor. 	Every month.
Power Supply	<ol style="list-style-type: none"> 1. Check the running current and voltage for indoor and outdoor unit. 2. Check the electrical wiring and tighten the wire onto the terminal block if necessary. 	Every 2 months. Every year.
Compressor	No maintenance needed if refrigerant circuit remains sealed. However, check for refrigerant leak at joint and fitting.	Every 6 months.
Compressor Oil	Oil is factory charged. Not necessary to add oil if circuit remains sealed.	No maintenance required.
Fan Motor Oil	All motors are pre-lubricated and sealed at factory.	No maintenance required.

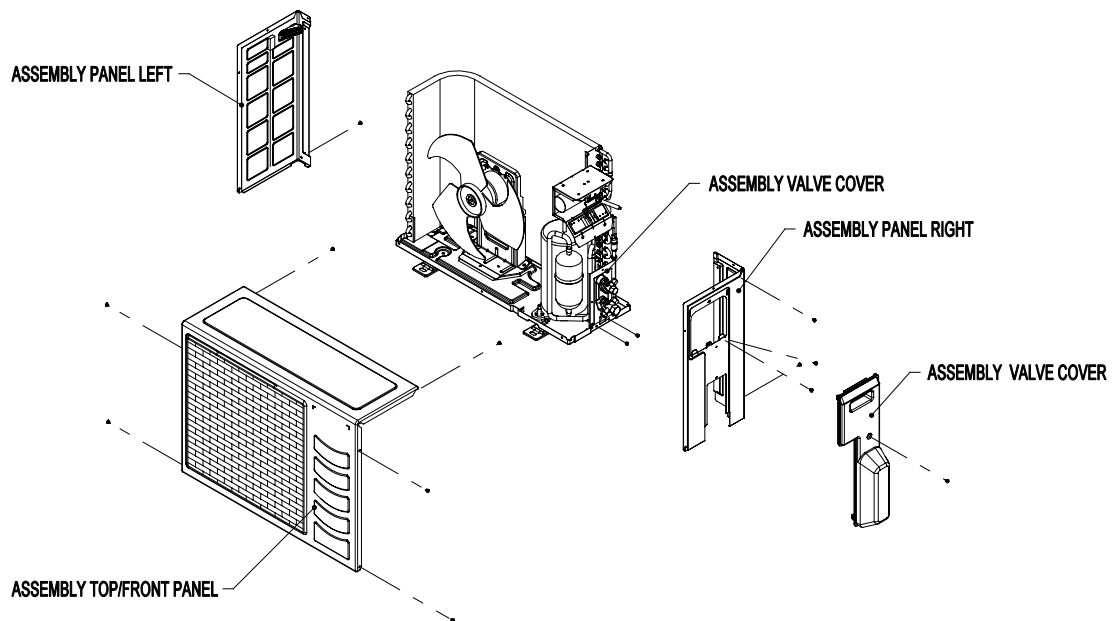
Pre Start Up Maintenance

(After Extended Shutdown)

- Inspect thoroughly and clean indoor and outdoor units.
- Clean or replace air filters.
- Clean condensates drain line.
- Clean clogged indoor and outdoor coils.
- Check fan imbalance before operation.
- Tighten all wiring connections and panels.
- Check for refrigerant leakage.

For A5LC-C Outdoor Models

The design of the A5LC-C outdoor series allows servicing to be carried out easily. The removal of the top, front and side panels makes almost every part accessible.



Under normal circumstances, these outdoor units only require a check and cleaning of air intake coil surface once every 3 months. However, if a unit is installed in areas subjected to much oil mist and dust, the coils must be regularly cleaned by qualified Air Conditioner Service Technicians to ensure sufficient heat exchange and proper operation. Otherwise, the systems life span may be shortened.



Caution

Do not charge **OXYGEN, ACETYLENE OR OTHER FLAMMABLE** and poisonous gases into the unit when performing a leakage test or an air tight test. These gases could cause severe explosion and damage if expose to high temperature and pressure. It is recommended that only nitrogen or refrigerant be charged when performing the leakage or airtight test.

Troubleshooting

FAULT DIAGNOSIS

No	Event	Error code
1	Room Sensor Open or Short	Blink E1
2	Indoor Coil Sensor Open	Blink E2
3	Compressor Overload / Indoor Coil Sensor Short /	Blink E4
4	Gas leak	Blink E5

NOTE

The unit will not detect sensor missing when the compressor is ON.
Call your dealer immediately when this error happen.

Phase Sequencer

The unit with Scroll Compressor can only rotate in one direction. For this reason, a protective device (phase sequential) is fitted to prevent incorrect wiring of the electrical phases. When the three phases are not connected correctly, the phase sequential operates, and the unit will not start. This device is located in the control box of the outdoor unit.

The following table shows the LED indicator light for phase sequential under normal operation and fault conditions.

LED Description	PW (Red)	P_S (Yellow)	P_T (Yellow)	Actions
Normal Operation	○	●	●	-
Reverse Phase	◐	◐	◐	Switch off the unit. Check the 3 phase wiring.
T Phase Missing	○	●	◐	Switch off the unit. Check the 3 phase wiring.
S Phase Missing	○	◐	●	Switch off the unit. Check the 3 phase wiring.
R Phase Missing	◐	●	●	Switch off the unit. Check the 3 phase wiring.
R (main power) phase missing	●	●	●	Switch off the unit. Check the 3 phase wiring.
Overheat	◐	◐	○	High discharge temperature. Check the refrigerant system.
High Pressure	○	○	●	High discharge Pressure. Check the refrigerant system.
Low Pressure	○	●	○	Low suction Pressure. Check the refrigerant system.
Sensor missing	◐	◐	●	Switch off the unit. Plug in sensor.

○ ON ● OFF ◐ Fast Blink

Error Code / Fault Condition

When a malfunction of the air conditioner unit is detected, immediately switch off the main power supply before proceeding with the following troubleshooting procedures.

The following are common fault conditions and simple troubleshooting tips. If any other fault conditions which are not listed occur, contact your nearest local dealer. DO NOT attempt to troubleshoot the unit by yourself.

No	Fault conditions	Possible causes / corrective actions
1	The air conditioner unit will not resume after power failure.	<ul style="list-style-type: none"> The auto restart function is not functioning. Please turn on the unit with the wireless / wired controller.
2	The compressor does not operate 3 minutes after the air conditioner unit is started.	<ul style="list-style-type: none"> Protection against frequent starting. Wait for 3 or 4 minutes for the compressor to start operating by it self.
3	The airflow is too slow or room cannot be cooled sufficiently.	<ul style="list-style-type: none"> The air filter is dirty. The doors and windows are opened. The air suction and discharge of both indoor and outdoor units are clogged or blocked. The regulated temperature or temperature setting is not low enough.
4	Discharge airflow has bad odor.	<ul style="list-style-type: none"> Cigarettes, smoke particles, perfume and others, which might have adhered onto the coil, may cause odor. Contact your nearest dealer.
5	Condensation on the front air grille of the indoor unit.	<ul style="list-style-type: none"> This is caused by air humidity after an extended period of operation. The set temperature is too low. Increase the temperature setting and operate the unit at high fan speed.
6	Water flowing out from the air conditioner.	<ul style="list-style-type: none"> Switch off the unit and contact your nearest dealer. This might be due to tilted installation.
7	Hissing airflow sound from the air conditioner unit during operation.	<ul style="list-style-type: none"> Liquid refrigerant flowing into the evaporator coil.
8	The wireless controller display is dim.	<ul style="list-style-type: none"> The batteries are discharged. The batteries are not correctly inserted. The assembly is not good.
9	Compressor operates continuously.	<ul style="list-style-type: none"> Dirty air filter. Clean the air filter. Temperature setting too low (cooling). Use higher temperature setting. Temperature setting too high (heating). Use lower temperature setting.
10	No cool air comes out during cooling cycle, or no hot air comes out during heating cycle.	<ul style="list-style-type: none"> Temperature setting too high (cooling). Use lower temperature setting. Temperature setting too low (heating). Use higher temperature setting.
11	On heating cycle, warm air does not come out.	<ul style="list-style-type: none"> Unit is in defrost mode. Heating operation will resume after defrost cycle ends.

Diagnostic Guidelines

By means of pressure readings:

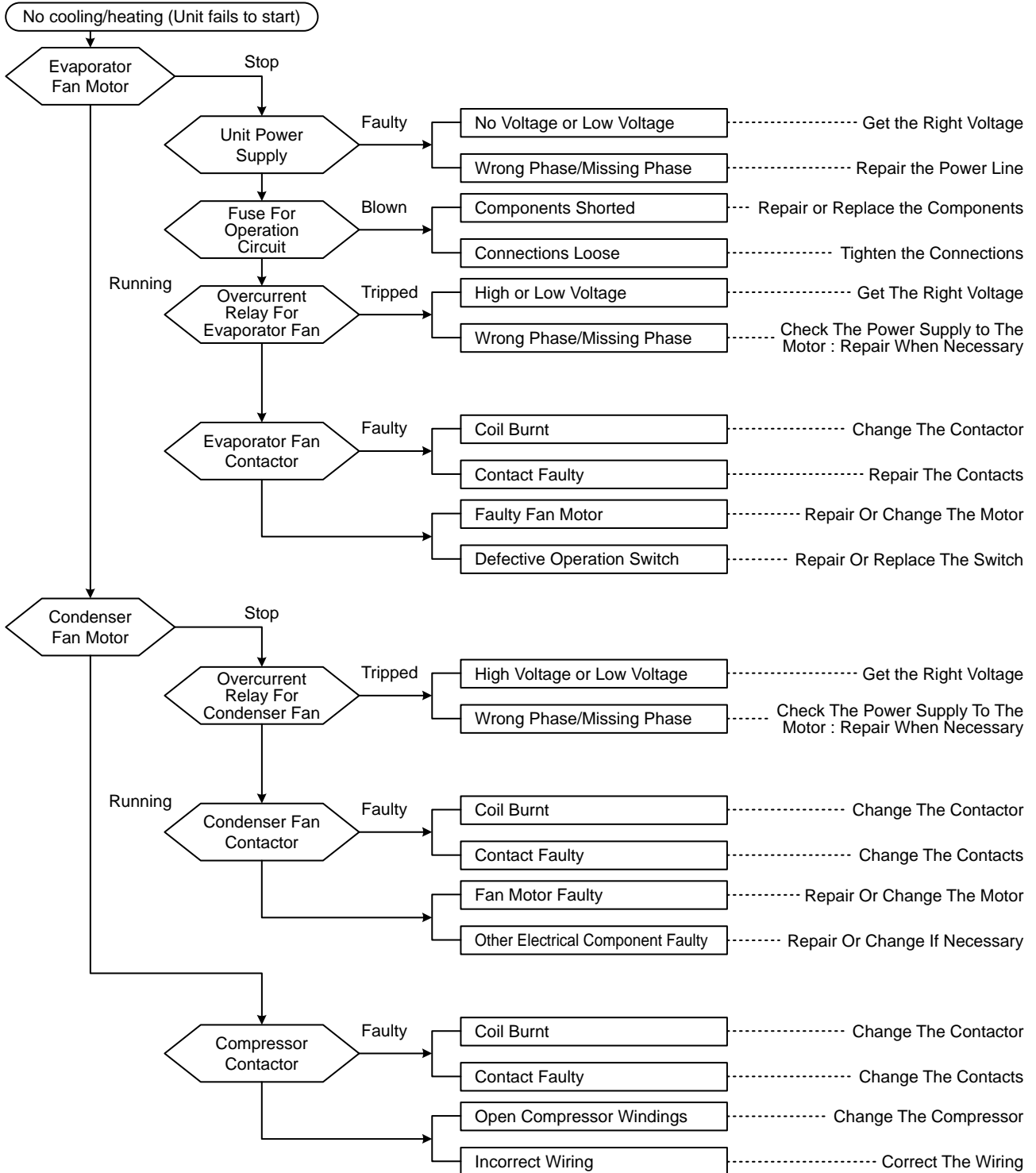
Circuit \ Data	Pressure					Probable cause
	Too low	A little low	Normal	A little high	Too high	
High side Low side					•	<ul style="list-style-type: none"> 1. Overcharged with refrigerant. 2. Non-condensable gases in refrigerant circuit (e.g. air) 3. Obstructed air-intake / discharge. 4. Hot air short circuiting in outdoor unit.
High side Low side	•				•	<ul style="list-style-type: none"> 1. Poor compression / no compression (compressor defective) 2. Reversing valve leaking.
High side Low side	•	•				<ul style="list-style-type: none"> 1. Undercharged with refrigerant. 2. Refrigerant leakage. 3. Air filter clogged / dirty (indoor unit). 4. Indoor fan locked / seized. 5. Defective defrost control, outdoor coil freeze up (heating). 6. Outdoor fan locked / seized (heating).
High side Low side				•	•	<ul style="list-style-type: none"> 1. Outdoor fan blocked (cooling). 2. Outdoor coil dirty (cooling). 3. Indoor fan locked / seized (heating). 4. Indoor air filter clogged / dirty (heating). 5. Non-condensable gases in refrigerant circuit (e.g. air)
High side Low side				•	•	<ul style="list-style-type: none"> 1. Air intake temperature of indoor unit too high.

BY MEANS OF DIAGNOSTIC FLOW CHART :

Generally, there are two kinds of problems, i.e. starting failure and insufficient cooling/heating. "Starting failure" is caused by electrical defect while improper application or defects in refrigerant circuit causes "Insufficient cooling / heating".

i) Diagnosis of Electric Circuit

○ : Faulty ◀ : Check □ : Cause : Remedy



The most common causes of air conditioner failure to "start" are :

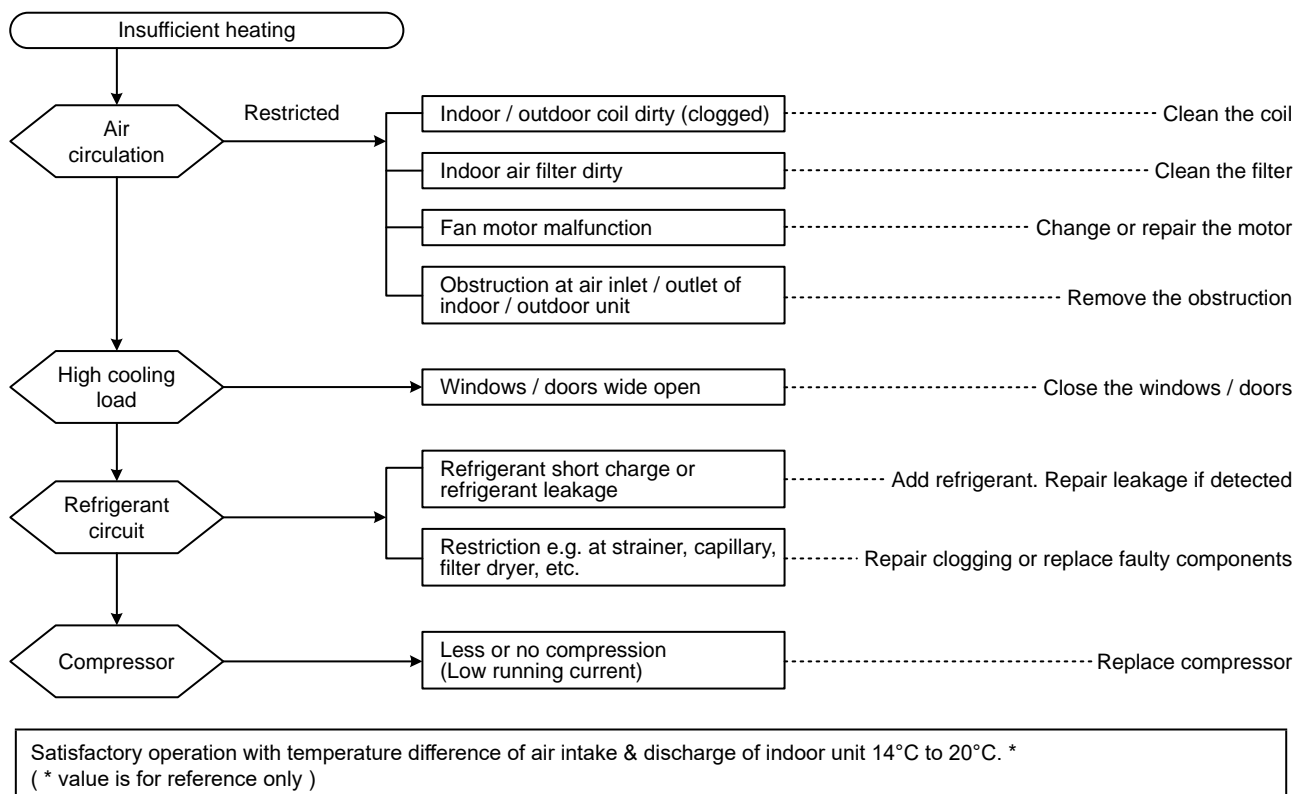
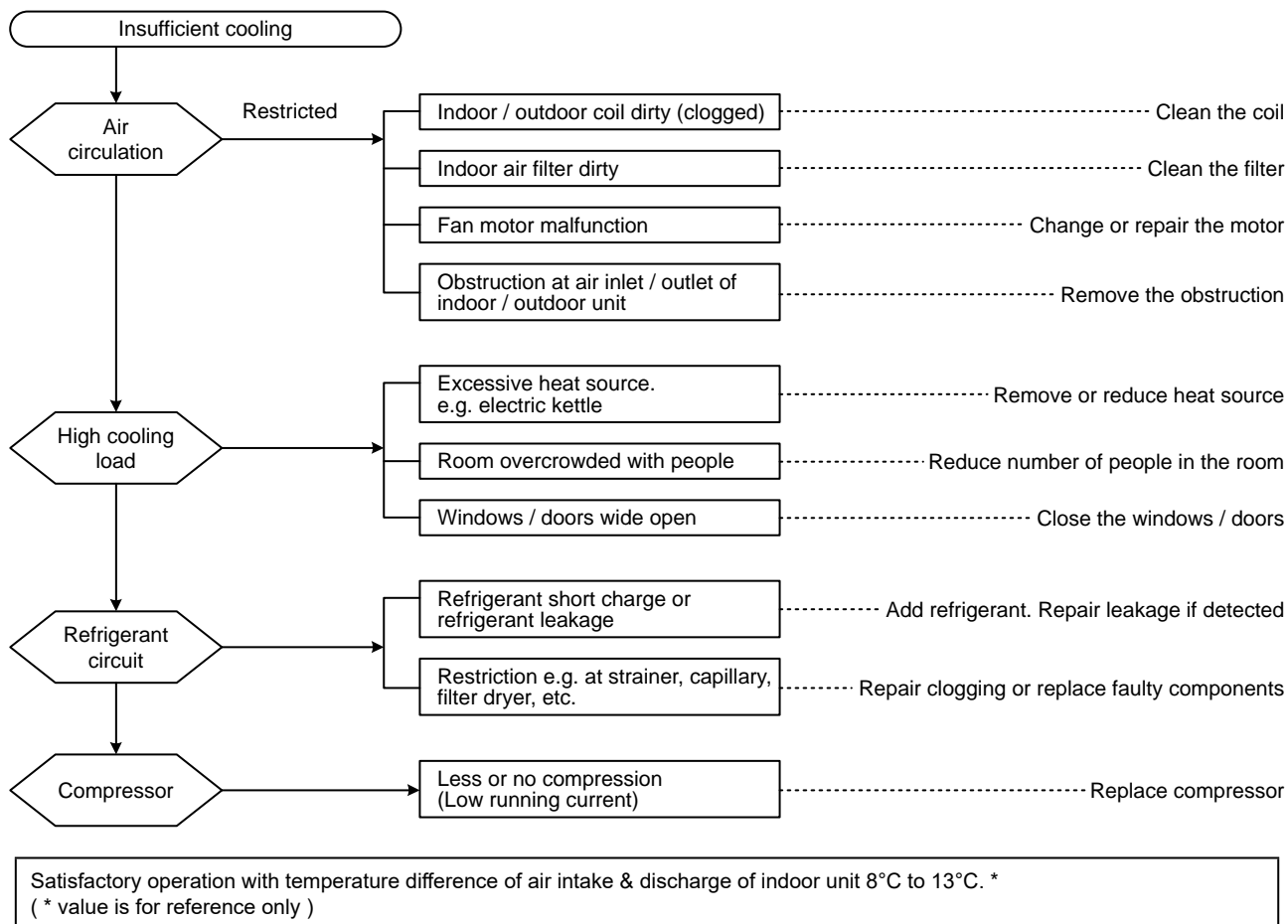
- Voltage not within ±10% of rated voltage.
- Power supply interrupted.
- Improper control settings.
- Air conditioner is disconnected from main power source.
- Fuse blown or circuit breaker off.

ii) Diagnosis of Refrigerant Circuit / Application

There might be some causes where the unit starts running but does not perform satisfactorily, i.e. insufficient cooling. Judgement could be made by measuring temperature difference of indoor unit's intake and discharge air as well as running current.

 : Faulty

 : Check
 : Cause
 : Remedy



ACSON MALAYSIA SALES & SERVICE SDN.BHD. (129688-D)
a member of **DAIKIN** group

Lot 4, Lorong 19/1A, Seksyen 19, 46300 Petaling Jaya,
Selangor Darul Ehsan, MALAYSIA.

Tel : +603 7964 8200 Sales Fax : +603 7956 9909

Service Fax : +603 7956 9907 Acson Careline : 1300 22 3344

Penang : +604-5377 176

Perak : +605-3129 828

Melaka : +606-2926 196

Johor : +607-3551 599

Pahang : +609 5178 696

Kelantan : +609-7733 688

Sarawak : +6082-344 128

Sabah : +6088-420 205

Authorized Dealer :

Products manufactured in an ISO certified facility.
This document contains the most current product information as of this printing.
For the most up-to-date product information, please logon to www.acson.com.my