SEZ DUCTED HEAT PUMP SYSTEMS

Due to continuing improvement, above specification may be subject to change without notice.

1. INDOOR UNITS

- SEZ-KD09NA4.TH
- SEZ-KD12NA4.TH
- SEZ-KD15NA4.TH
- SEZ-KD18NA4.TH

Due to continuing improvement, above specification may be subject to change without notice.

2. OUTDOOR UNITS

- SUZ-KA09NA.TH
- SUZ-KA12NA.TH
- SUZ-KA15NA.TH
- SUZ-KA18NA.TH

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3. SYSTEM

- Horizontal-ducted indoor unit for concealed applications
- Ultra thin body: 7-7/8” high
- Built-in drain mechanism for condensate removal; lifts to 21-11/16”
- Quiet operation - as low as 23 dB(A)
- Choice of fan speeds: Low, Medium, and High; Auto fan speed control also included
- Indoor unit powered from outdoor unit using A-control
- Self-check function -- onboard diagnostics
- Advanced microprocessor control
- Auto restart following a power outage
- Hand-held Wireless Remote Controller
- Anti-allergy Enzyme Filter
- Limited warranty: five years parts and seven years compressor

SEZ-KD09NA4 SEZ-KD12NA4

Model Name			SEZ-KD09NA4		SEZ-KD12NA4	
Capacity			Cooling	Heating	Cooling	Heating
		BTU/h	8100	10900	11500	13600
Power source			208/230V (60Hz)		208/230V (60Hz)	
Power input		kW	0.06	0.04	0.07	0.05
Current		A	0.51	0.39	0.57	0.46
Temperature set range Remote controller		°F(°C)	67 to 86 (19 to 30)	63 to 83 (17 to 28)	67 to 86 (19 to 30)	63 to 83 (17 to 28)
Airflow direction			-		-	
Fan	Type x Quantity		Sirocco fan x 2		Sirocco fan x 2	
	External static press	in.WG(Pa)	0.02-0.06-0.14-0.20 (5-15-35-50)		0.02-0.06-0.14-0.20 (5-15-35-50)	
	Blower type		DC brushless motor		DC brushless motor	
	Blower motor output	kW	0.096		0.096	
	Driving mechanism		Direct-driven		Direct-driven	
	Airflow rate(Low-Mid-High)	m^3/min	5.5-7.0-9.0		7.0-9.0-11.0	
	Airflow rate(Low-Mid-High)	CFM	194-247-317		247-317-388	
	Airflow rate(Low-Mid-High)	L/S	91-116-150		116-150-183	
External finish			Galvanized		Galvanized	
External dimension H x W x D		mm	200 x 790 x 700		200 x 990 x 700	
		In.	7-7/8 x 31-1/8 x 27-9/16		7-7/8 x 39 x 27-9/16	
Net weight		Lbs.	42		50	
Wiring	Min.size of wire	in.(mm)	1/8 (1.6)		1/8 (1.6)	
	Amperage of wire breaker	A	15		15	
Refrigerant piping diameter	Liquid R410A	in.(mm)	ø1/4 (ø6.35) Flare		ø1/4 (ø6.35) Flare	
	Gas R410A	in.(mm)	ø3/8 (ø9.52) Flare		ø3/8 (ø9.52) Flare	
Drain piping diameter		in.(mm)	O.D. 1-9/32 (32)		O.D. 1-9/32 (32)	
Sound level (Low-Mid-High) (measured in anechoic room)		dB<A>	23-26-30		23-28-33	
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam		Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter			PP Honeycomb fabric (washable)		PP Honeycomb fabric (washable)	
Refrigerant control device			-		-	
Protection devices			Fuse (250V 6.3A)		Fuse (250V 6.3A)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)		Cross fin (Aluminum fin and copper tube)	
Varistor			ERZV10D471		ERZV10D471	
Terminal block			To outdoor unit : 3P To wired remote controller : 2P		To outdoor unit : 3P To wired remote controller : 2P	
Power outlet		A	10		10	
Standard attachment	Document		Installation Manual, Instruction Book		Installation Manual, Instruction Book	
	Accessory		Drain hose (flexible joint), Wired Remote Controller		Drain hose (flexible joint), Wired Remote Controller	
Remark						
Note	1.Cooling/Heating capacity indicates the maximum value at operation under the following condition. <Cooling> Indoor:80°FD.B. / 67°FW.B. (26.7°CD.B. / 19.4°CW.B.) Outdoor:95°FD.B. (35°CD.B.) <Heating> Indoor:70°FD.B. (21.1°CD.B.) Outdoor:47°FD.B. / 43°FW.B. (8.3°CD.B. / 6.1°CW.B.) Pipe length:24-9/16ft (7.5m) Height difference:0ft (0m) 2.Power consumption. Run current at 0.06[in.WG] (15Pa) (external static pressure) 3.Cooling capacity value at 1:1system Heating capacity value at 1:1system					

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SEZ-KD15NA4 SEZ-KD18NA4

Model Name			SEZ-KD15NA4		SEZ-KD18NA4	
Capacity			Cooling	Heating	Cooling	Heating
		BTU/h	14100	18000	17200	20100
Power source			208/230V (60Hz)		208/230V (60Hz)	
Power input		kW	0.09	0.07	0.09	0.07
Current		A	0.74	0.63	0.74	0.63
Temperature set range Remote controller		°F(°C)	67 to 86 (19 to 30)	63 to 83 (17 to 28)	67 to 86 (19 to 30)	63 to 83 (17 to 28)
Airflow direction			-		-	
Fan	Type x Quantity		Sirocco fan x 3		Sirocco fan x 4	
	External static press	in.WG(Pa)	0.02-0.06-0.14-0.20 (5-15-35-50)		0.02-0.06-0.14-0.20 (5-15-35-50)	
	Blower type		DC brushless motor		DC brushless motor	
	Blower motor output	kW	0.096		0.096	
	Driving mechanism		Direct-driven		Direct-driven	
	Airflow rate(Low-Mid-High)	m^3/min	10.0-12.5-15.0		12.0-15.0-18.0	
	Airflow rate(Low-Mid-High)	CFM	353-441-529		423-529-635	
	Airflow rate(Low-Mid-High)	L/S	167-208-250		200-250-300	
External finish			Galvanized		Galvanized	
External dimension H x W x D		mm	200 x 990 x 700		200 x 1190 x 700	
		In.	7-7/8 x 39 x 27-9/16		7-7/8 x 46-7/8 x 27-9/16	
Net weight		Lbs.	54		62	
Wiring	Min.size of wire	in.(mm)	1/8 (1.6)		1/8 (1.6)	
	Amperage of wire breaker	A	15		15	
Refrigerant piping diameter	Liquid R410A	in.(mm)	ø1/4 (ø6.35) Flare		ø1/4 (ø6.35) Flare	
	Gas R410A	in.(mm)	ø1/2 (ø12.7) Flare		ø1/2 (ø12.7) Flare	
Drain piping diameter		in.(mm)	O.D. 1-9/32 (32)		O.D. 1-9/32 (32)	
Sound level (Low-Mid-High) (measured in anechoic room)		dB<A>	30-34-37		30-34-38	
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam		Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter			PP Honeycomb fabric (washable)		PP Honeycomb fabric (washable)	
Refrigerant control device			-		-	
Protection devices			Fuse (250V 6.3A)		Fuse (250V 6.3A)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)		Cross fin (Aluminum fin and copper tube)	
Varistor			ERZV10D471		ERZV10D471	
Terminal block			To outdoor unit : 3P To wired remote controller : 2P		To outdoor unit : 3P To wired remote controller : 2P	
Power outlet		A	20		20	
Standard attachment	Document		Installation Manual, Instruction Book		Installation Manual, Instruction Book	
	Accessory		Drain hose (flexible joint), Wired Remote Controller		Drain hose (flexible joint), Wired Remote Controller	
Remark						
Note	1.Cooling/Heating capacity indicates the maximum value at operation under the following condition. <Cooling> Indoor:80°FD.B. / 67°FW.B. (26.7°CD.B. / 19.4°CW.B.) Outdoor:95°FD.B. (35°CD.B.) <Heating> Indoor:70°FD.B. (21.1°CD.B.) Outdoor:47°FD.B. / 43°FW.B. (8.3°CD.B. / 6.1°CW.B.) Pipe length:24-9/16ft (7.5m) Height difference:0ft (0m) 2.Power consumption. Run current at 0.06[in.WG] (15Pa) (external static pressure) 3.Cooling capacity value at 1:1system Heating capacity value at 1:1system					

Due to continuing improvement, above specification may be subject to change without notice.

SUZ-KA09NA SUZ-KA12NA SUZ-KA15NA

Model name			SEZ-KD09NA4.TH	SEZ-KD12NA4.TH	SEZ-KD15NA4.TH	SEZ-KD18NA4.TH
Indoor unit / Outdoor unit			SUZ-KA09NA.TH	SUZ-KA12NA.TH	SUZ-KA15NA.TH	SUZ-KA18NA.TH
Cooling	Max. Capacity	Btu/h	10,900	13,300	17,000	19,000
	Rated Capacity	Btu/h	8,100	11,500	14,100	17,200
	Min. Capacity	Btu/h	3,800	3,800	3,800	3,800
	Total input	W	670	920	1,170	1,380
	EER	Btu/h	12	12.5	12	12.5
	SEER	Btu/h	15	16	15.5	17.5
	Moisture Removal	Pints/h	1.5	2.4	2.6	3.4
	SHF		0.80	0.76	0.80	0.79
Heating	Max. Capacity	Btu/h	14,100	16,400	21,100	24,900
	Rated Capacity	Btu/h	10,900	13,600	18,000	21,600
	Min. Capacity	Btu/h	4,800	4,800	4,800	4,800
	Total input	W	1,020	1,140	1,500	1,700
	COP	W/W	3.13	3.50	3.52	3.72
	HSPF(IV)	Btu/h/W	10.0	10.0	10.0	10.0
Heating at low ambient	Max. Capacity	Btu/h	6,700	9,000	11,900	12,100
	Total input	W	1,000	1,180	1,650	1,830
	COP	W/W	2.14	2.43	2.43	2.40
Power supply	Phase,Cycle,Voltage		1phase, 60Hz, 208/230V			
	Breaker size	A	15			
Voltage	Indoor - Outdoor S1-S2		AC208 / 230V			
	Indoor - Outdoor S2-S3		DC 12 - 24V			

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
*2.Rating conditions(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F)

Due to continuing improvement, above specification may be subject to change without notice.

SUZ-KA09NA SUZ-KA12NA SUZ-KA15NA

Model name		Indoor unit		SEZ-KD09NA4.TH	SEZ-KD12NA4.TH	SEZ-KD15NA4.TH	SEZ-KD18NA4.TH
		Outdoor unit		SUZ-KA09NA.TH	SUZ-KA12NA.TH	SUZ-KA15NA.TH	SUZ-KA18NA.TH
Indoor unit		MCA	A	1			
		MOCP	A	15			
		Blower Motor	F.L.A	0.51	0.57	0.74	
		Blower Motor Output	W	96			
	Air flow (Lo-Mid-Hi)	DRY	CMM	5.5 - 7 - 9	7 - 9 - 11	10 - 12.5 - 15	12 - 15 - 18
		WET	CMM	4.9 - 6 - 8	6 - 8 - 10	9 - 11.2 - 14	11 - 14 - 17
	Air flow (Lo-Mid-Hi)	DRY	CFM	194 - 247 - 317	247 - 317 - 388	353 - 441 - 529	423 - 529 - 635
		WET	CFM	174 - 222 - 285	222 - 285 - 349	317 - 396 - 476	381 - 476 - 572
	External pressure		in.WG [Pa]	0.02 / 0.06 / 0.14 / 0.20 [5/15/35/50]			
	Sound level (Lo-Mi-Hi)		dB (A)	23 - 26 - 30	23 - 28 - 33	30 - 34 - 37	30 - 34 - 38
	Dimension Unit		W:mm [inch]	790 [31-1/8]	990 [39]		1190 [46-7/8]
			D:mm [inch]	700 [27-9/16]			
			H:mm [inch]	200 [7-7/8]			
	Weight Unit		kg	19	22	24	28
			lbs	42	50	54	62
	Field Drain pipe O.D.		mm [inch]	32 [1-1/4]			
Remote Controller				Optional parts			

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
*2.Rating conditions(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F)

Due to continuing improvement, above specification may be subject to change without notice.

SUZ-KA09NA SUZ-KA12NA SUZ-KA15NA

Model name		Indoor unit		SEZ-KD09NA4.TH	SEZ-KD12NA4.TH	SEZ-KD15NA4.TH	SEZ-KD18NA4.TH
		Outdoor unit		SUZ-KA09NA.TH	SUZ-KA12NA.TH	SUZ-KA15NA.TH	SUZ-KA18NA.TH
Outdoor unit		MCA	A	12			14
		MOCP	A	15			
		Blower Motor	F.L.A.	0.50			0.93
		Blower Motor Output	W	55			77
		Compressor		KNB073FQDHC	KNB092FQAHC	SNB130FQBH	
			R.L.A.	6.6		7.4	10
			L.R.A.	8.2		9.3	12.5
		Air flow (Cooling/Heating)	CMM	32.6 / 34.7	34.8 / 33.2	35.2 / 34.8	49 / 47
			CFM	1,151 / 1,225	1,229 / 1,172	1,243 / 1,229	1,730 / 1,659
		Refrigerant Control		Linear Expansion Valve			
		Defrost Method		Reverse Cycle			
		Sound level at cooling	dB (A)	46	49	49	54
		Sound level at heating	dB (A)	50	51	51	56
		External finish		Ivory Munsell 3Y 7.8/1.1			
		Dimension	W:mm [inch]	800 [31-1/2]			840 [33-1/16]
			D:mm [inch]	285 [11-1/4]			330 [13]
			H:mm [inch]	550 [21-5/8]			850 [33-7/16]
		Weignt	kg [lbs]	30 [66]	35 [77]	36 [80]	54 [119]
Refrigerant		Charge, R410 A	kg [lbs,oz]	0.9 [1 lb 16 oz]	1.15 [2 lb 9 oz]		1.80 [3 lb 16 oz]
		Oil	L [oz]	0.32 (NEO 22) [10.8]		0.45 (NEO 22) [15.2]	
Refrigerant pipe size		Gas side O.D.	mm [inch]	9.52 [3/8]		12.7 [1/2]	
		Liquid side O.D.	mm [inch]	6.35 [1/4]			
Refrigerant pipe length		Height difference		Max. 40 ft			Max. 50 ft
		Length		Max. 65 ft			Max. 100 ft]
Refrigerant Piping				Not Supplied			
Connection Method				Flared			

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
*2.Rating conditions(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F)

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Efficiency Ratings

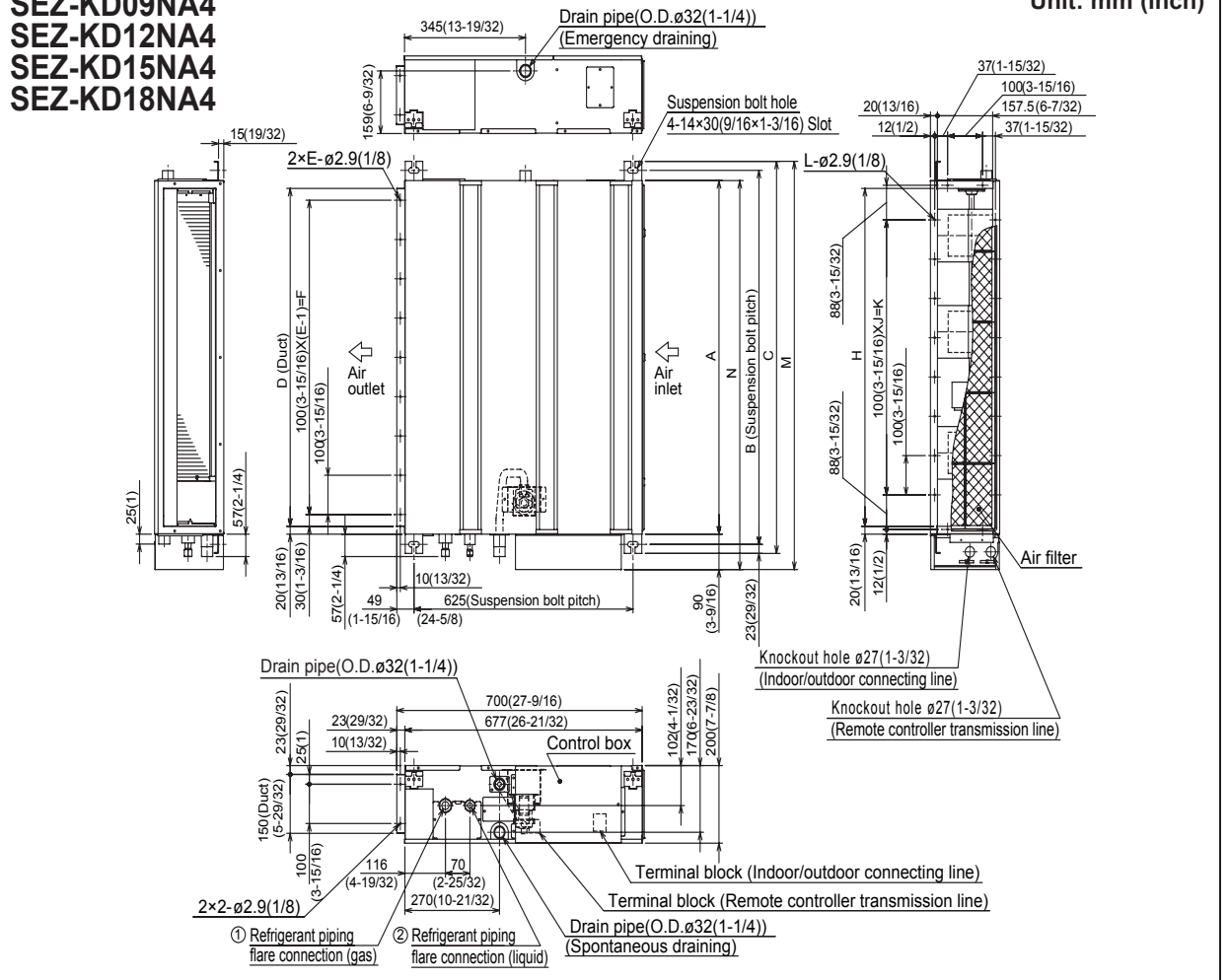
Outdoor Unit	Indoor Unit	SEER	EER	HSPF	COP @ 47° F	COP @ 17° F	Energy Star	Tax Credit
SEZ DUCTED HEAT PUMP SYSTEMS								
SUZ-KA09NA	SEZ-KD09NA4	21.00	13.6	10	4.20	2.76	Yes	
SUZ-KA12NA	SEZ-KD12NA4	20.25	12.5	10	3.60	2.86	Yes	Yes
SUZ-KA15NA	SEZ-KD15NA4	21.00	13.0	10	3.30	2.88	Yes	
SUZ-KA18NA	SEZ-KD18NA4	19.20	10.5	10	3.32	2.70	Yes	Yes
Note:	Efficiency values based on AHRI 210/240 test method.							

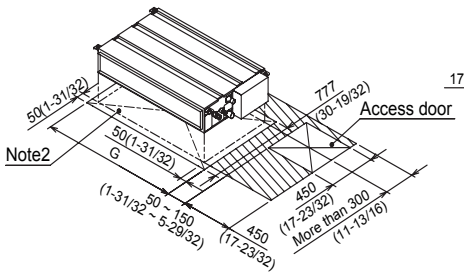
Due to continuing improvement, above specification may be subject to change without notice.

3-2. EXTERNAL DIMENSIONS

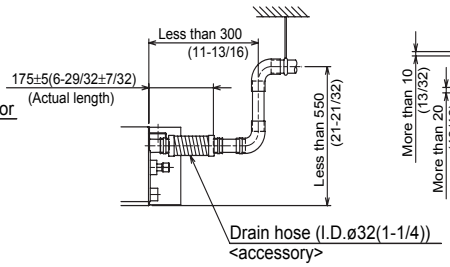
SEZ-KD09NA4
SEZ-KD12NA4
SEZ-KD15NA4
SEZ-KD18NA4

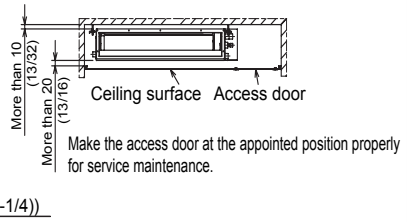
Unit: mm (inch)





Required space for service and maintenance





mm(in.)

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	① Gas pipe	②Liquid pipe
SEZ-KD09NA4	700 (27-9/16)	752 (29-5/8)	798 (31-7/16)	660 (26)	7	600 (23-5/8)	800 (31-1/2)	660 (26)	5	500 (19-11/16)	16	839 (33-1/16)	790 (31-1/8)	ø9.52(3/8)	ø6.35(1/4)
SEZ-KD12NA4	900 (35-7/16)	952 (37-1/2)	998 (39-5/16)	860 (33-7/8)	9	800 (31-1/2)	1000 (39-3/8)	860 (33-7/8)	7	700 (27-9/16)	20	1039 (40-29/32)	990 (39)		
SEZ-KD15NA4														ø12.7(1/2)	
SEZ-KD18NA4	1100 (43-5/16)	1152 (45-3/8)	1198 (47-3/16)	1060 (41-3/4)	11	1000 (39-3/8)	1200 (47-1/4)	1060 (41-3/4)	9	900 (35-7/16)	24	1239 (48-25/32)	1190 (46-7/8)		

Note1. Use M10 screw for the suspension bolt (field supply).
2. Keep the service space for the maintenance at the bottom.
3. This chart indicates for SEZ-KD15NA4 model, which has 3 fans.
SEZ-KD09,12NA4 models have 2 fans.
SEZ-KD18NA4 model has 4 fans.
4. When an inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

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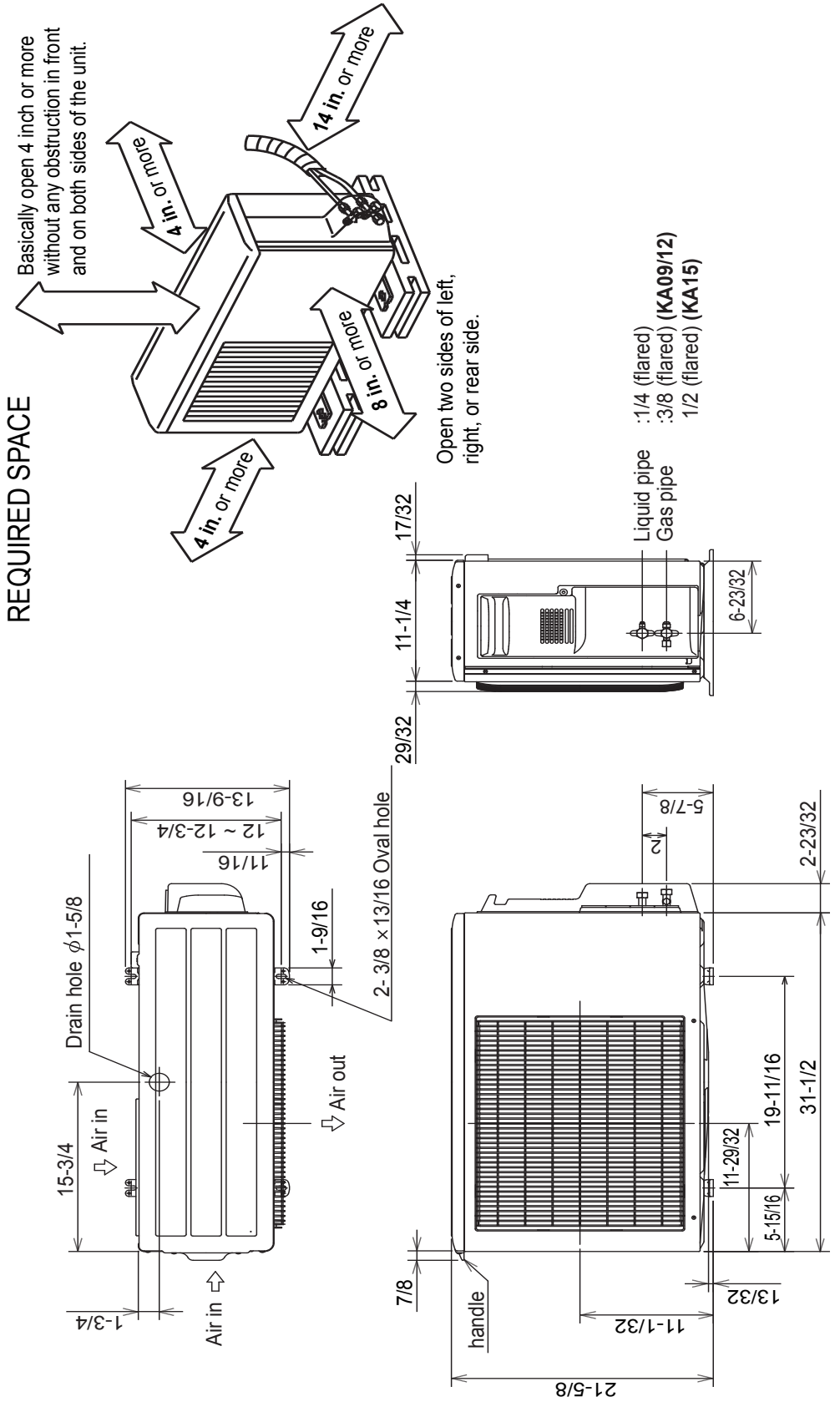
3-2. EXTERNAL DIMENSIONS

SUZ-KA09NA.TH SUZ-KA12NA.TH SUZ-KA15NA.TH

Unit: mm (inch)

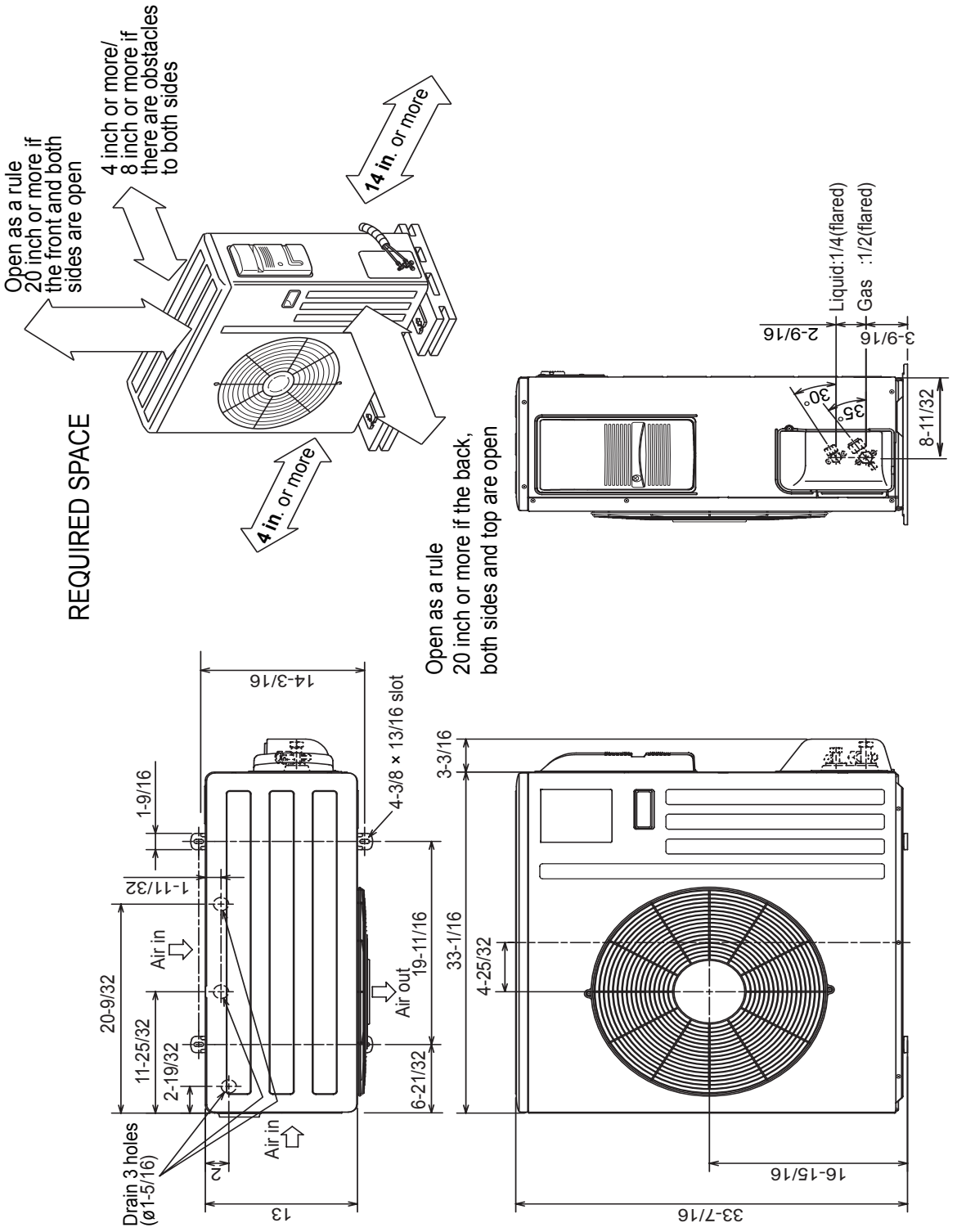


Due to continuing improvement, above specification may be subject to change without notice.

3-2. EXTERNAL DIMENSIONS

SUZ-KA18NA.TH

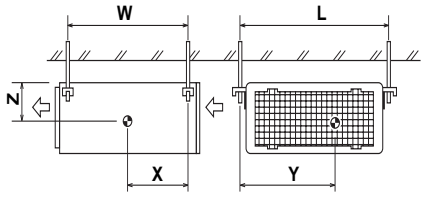
Unit: Inch



Due to continuing improvement, above specification may be subject to change without notice.

3-3. CENTER OF GRAVITY

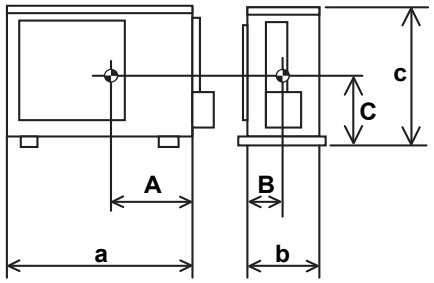
SEZ-KD09NA4.TH SEZ-KD12NA4.TH SEZ-KD15NA4.TH SEZ-KD18NA4.TH



Unit: inch(mm)

Model name	W	L	X	Y	Z
SEZ-KD09NA.TH	24-5/8 (625)	29-5/8 (752)	10-3/8 (263)	13-27/32 (351)	4-3/16 (106)
SEZ-KD12NA.TH	24-5/8 (625)	37-1/2 (952)	11-9/32 (286)	17-21/32 (448)	4-1/8 (104)
SEZ-KD15NA.TH	24-5/8 (625)	37-1/2 (952)	11-1/32 (280)	17-7/32 (437)	4-1/8 (104)
SEZ-KD18NA.TH	24-5/8 (625)	45-3/8 (1152)	11-1/4 (285)	20-3/4 (527)	4-1/8 (104)

SUZ-KA09NA.TH SUZ-KA12NA.TH SUZ-KA15NA.TH



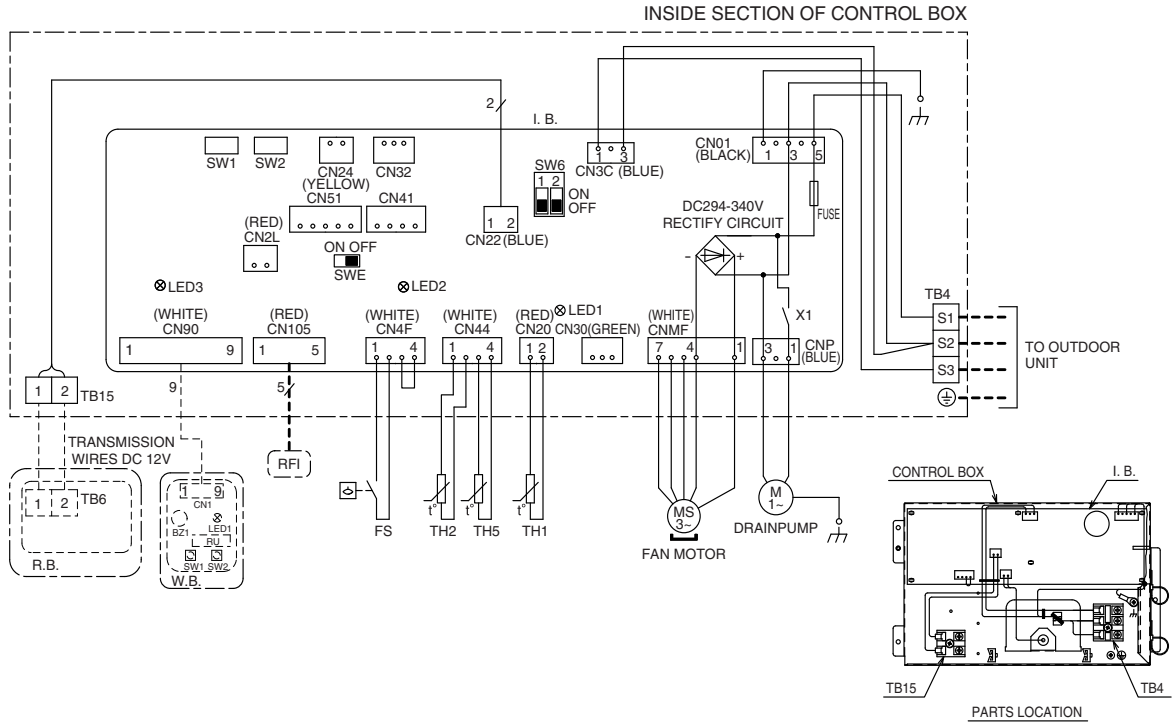
Unit: inch(mm)

Model name	A	B	C	a	b	c
SUZ-KA09NA.TH SUZ-KA12NA.TH SUZ-KA15NA.TH	11-1/16 (280)	5-9/16 (140)	9-1/2 (240)	31-1/2 (800)	11-1/4 (285)	21-5/8 (550)
SUZ-KA18NA.TH	11-13/16 (300)	5-7/8 (150)	13-3/8 (340)	33-1/16 (840)	13 (330)	33-7/16 (850)

Due to continuing improvement, above specification may be subject to change without notice.

3-4. ELECTRICAL WIRING DIAGRAMS

SEZ-KD09NA4.TH SEZ-KD12NA4.TH SEZ-KD15NA4.TH SEZ-KD18NA4.TH



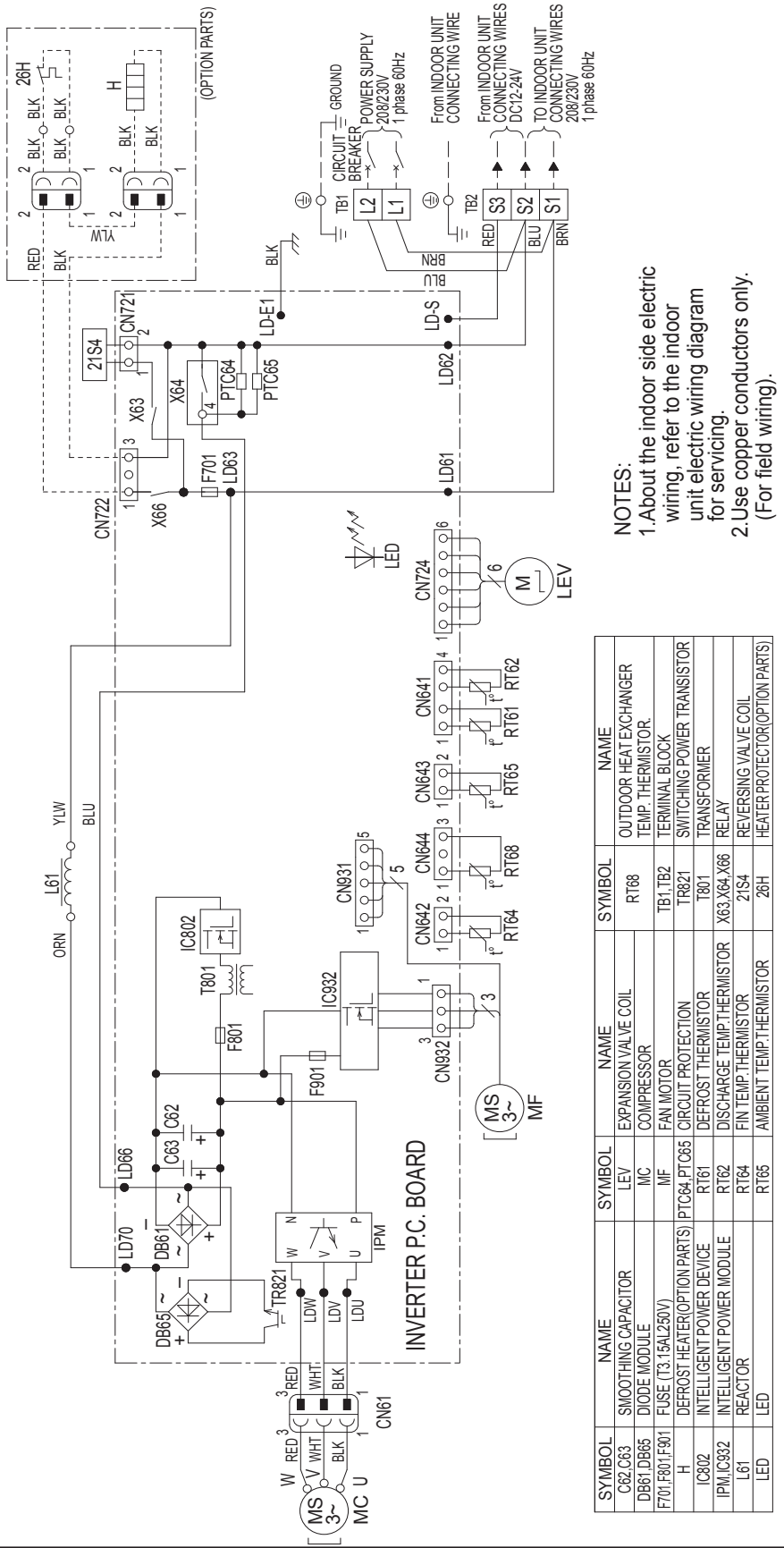
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	I.B.	INDOOR CONTROLLER BOARD	OPTIONAL PARTS	
FUSE	FUSE AC250V 6.3A	SW1	SWITCH (FOR MODE SELECTION)	W.B.	IR WIRELESS REMOTE CONTROLLER BOARD
X1	AUX. RELAY	SW2	SWITCH (FOR CAPACITY CODE)	RU	RECEIVING UNIT
CN2L	CONNECTOR (LOSSNAY)	SW6	SWITCH (FOR MODEL SELECTION)	BZ1	BUZZER
CN24	CONNECTOR (BACK-UP HEATING)	SWE	CONNECTOR (EMERGENCY OPERATION)	LED1	LED (RUN INDICATOR)
CN30	CONNECTOR (LLC)	TH1	INTAKE AIR TEMP. THERMISTOR	SW1	SWITCH (HEATING ON/OFF)
CN32	CONNECTOR (REMOTE SWITCH)	TH2	PIPE TEMP. THERMISTOR/LIQUID	SW2	SWITCH (COOLING ON/OFF)
CN41	CONNECTOR (HA TERMINAL-A)	TH5	COND./EVA. TEMP. THERMISTOR	R.B.	REMOTE CONTROLLER BOARD
CN51	CONNECTOR (CENTRALLY CONTROL)	FS	FLOAT SWITCH	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN90	CONNECTOR (WIRELESS)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)		
CN105	CONNECTOR (RADIO FREQUENCY INTERFACE)				
LED1	POWER SUPPLY (I.B.)	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)		
LED2	POWER SUPPLY (I.B.)				
LED3	TRANSMISSION (INDOOR-OUTDOOR)	RFI	RADIO FREQUENCY INTERFACE FOR RF THERMOSTAT		

Note1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities,make wiring matchingterminal numbers (S1,S2,S3).
3. Symbols used in wiring diagram above are as follows.
:CONNECTOR
:TERMINAL
(HEAVY DOTTED LINE):FIELD WIRING
(THIN DOTTED LINE):OPTIONAL PARTS
4. Use copper supply wire.

Due to continuing improvement, above specification may be subject to change without notice.

SUZ-KA09NA.TH SUZ-KA12NA.TH



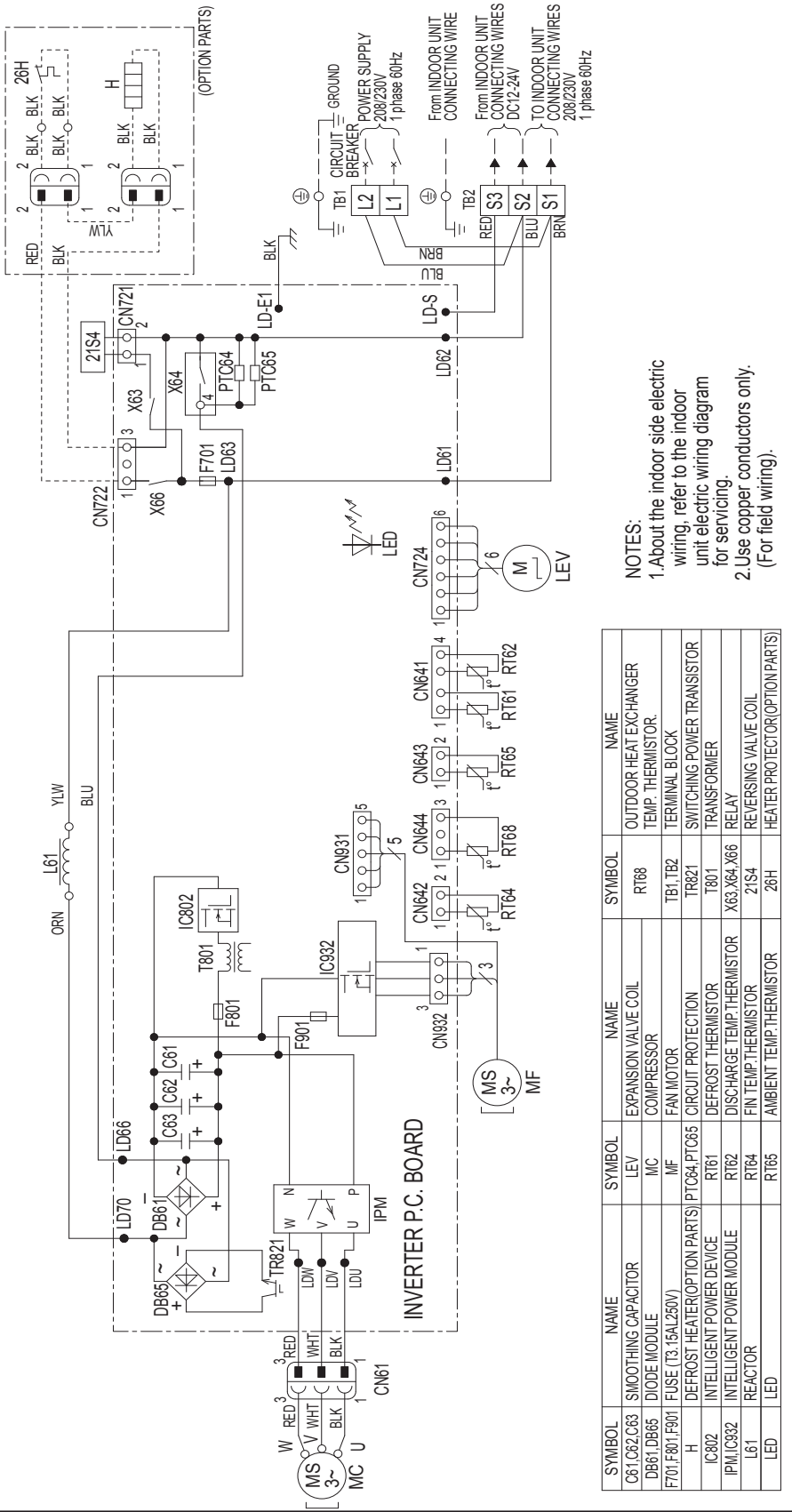
SYMBOL	NAME
C62,C63	SMOOTHING CAPACITOR
DB61,DB65	DIODE MODULE
F701,F801,F901	FUSE (T3.15AL250V)
H	DEFROST HEATER(OPTION PARTS)
IC802	INTELLIGENT POWER DEVICE
IPM,IC932	INTELLIGENT POWER MODULE
L61	REACTOR
LED	LED

SYMBOL	NAME
LEV	EXPANSION VALVE COIL
M/C	COMPRESSOR
MF	FAN MOTOR
PTC64,PTC65	CIRCUIT PROTECTION
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP.THERMISTOR
RT64	FIN TEMP.THERMISTOR
RT65	AMBIENT TEMP.THERMISTOR

SYMBOL	NAME
RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
TB1,TB2	TERMINAL BLOCK
TR821	SWITCHING POWER TRANSISTOR
T801	TRANSFORMER
X63,X64,X66	RELAY
21S4	REVERSING VALVE COIL
26H	HEATER PROTECTOR(OPTION PARTS)

Due to continuing improvement, above specification may be subject to change without notice.

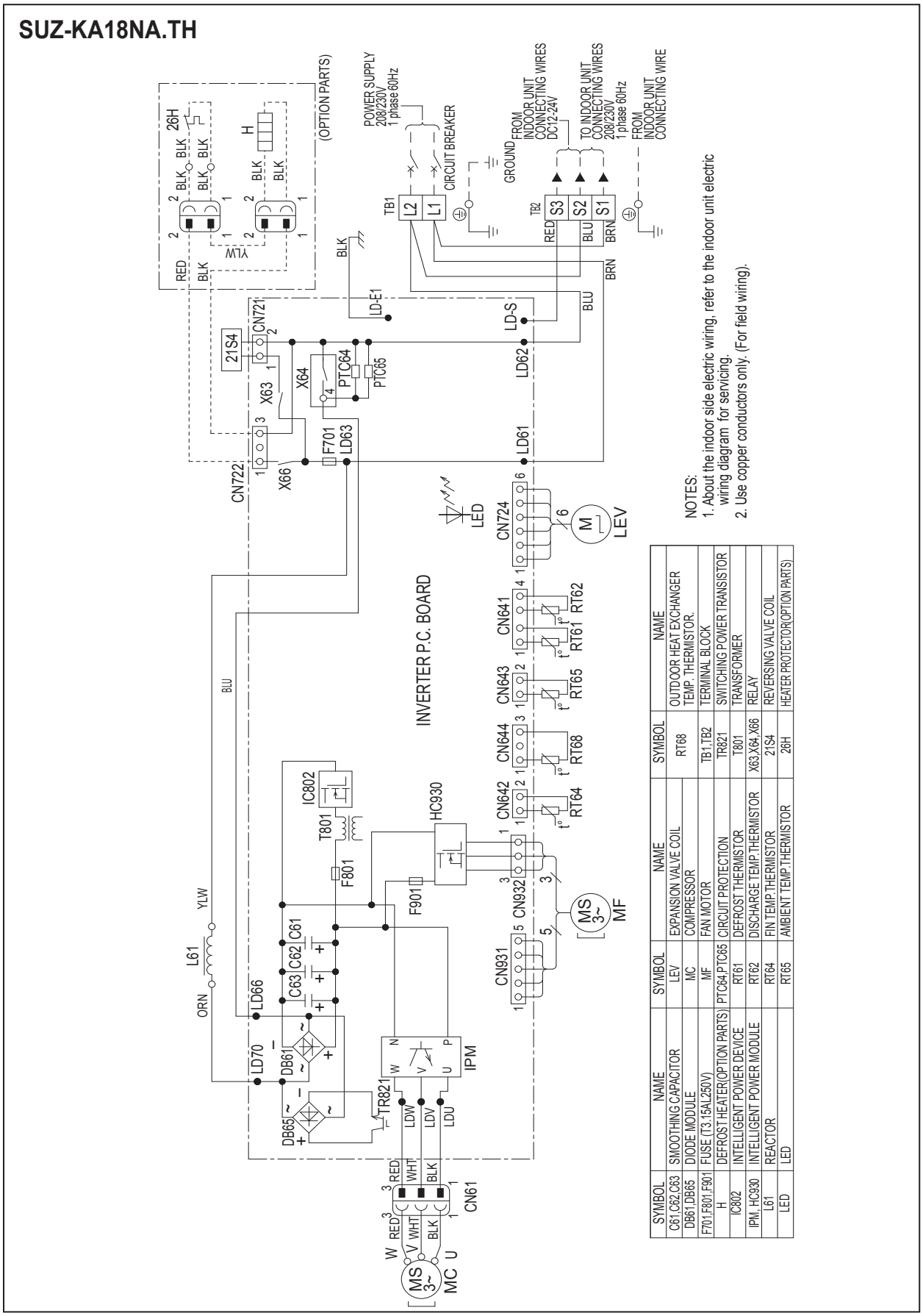
SUZ-KA15NA.TH



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	TB1,TB2	TERMINAL BLOCK
H	DEFROST HEATER(OPTION PARTS)	PTC64,PTC65	CIRCUIT PROTECTION	TR821	SWITCHING POWER TRANSISTOR
IC802	INTELLIGENT POWER DEVICE	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
IPM,IC932	INTELLIGENT POWER MODULE	RT62	DISCHARGE TEMP.THERMISTOR	X63,X64,X66	RELAY
L61	REACTOR	RT64	FIN TEMP.THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT65	AMBIENT TEMP.THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)

Due to continuing improvement, above specification may be subject to change without notice.

SUZ-KA18NA.TH



SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR
DB61,DB65	DIODE MODULE
F701,F801,F901	FUSE (T3.15AL250V)
H	DEFROST HEATER(OPTION PARTS)
IC802	INTELLIGENT POWER DEVICE
IPM, HC930	INTELLIGENT POWER MODULE
L61	REACTOR
LED	LED

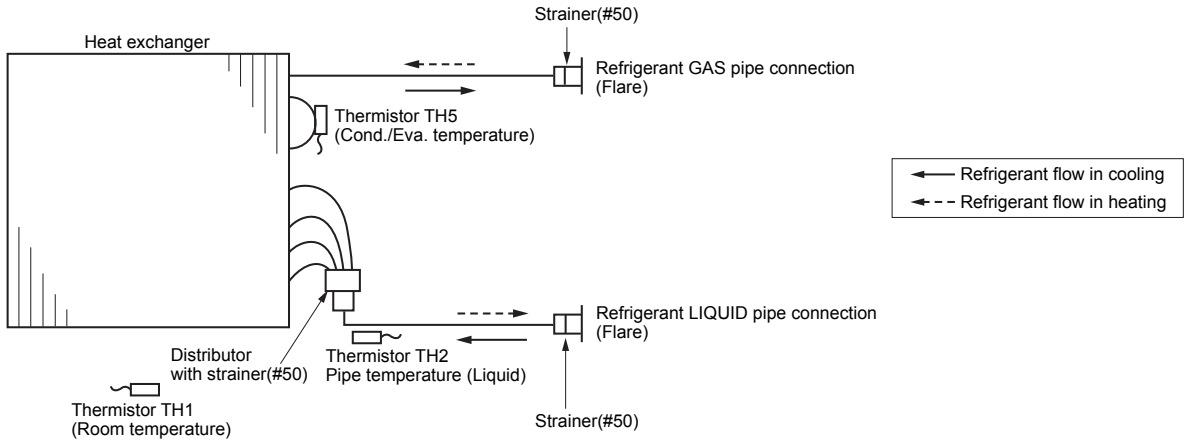
SYMBOL	NAME
LEV	EXPANSION VALVE COIL
MC	COMPRESSOR
MF	FAN MOTOR
PTC64,PTC65	CIRCUIT PROTECTION
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP.THERMISTOR
RT64	FIN TEMP.THERMISTOR
RT65	AMBIENT TEMP.THERMISTOR

SYMBOL	NAME
RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
TB1,TB2	TERMINAL BLOCK
TR821	SWITCHING POWER TRANSISTOR
T801	TRANSFORMER
X63,X64, X66	RELAY
21S4	REVERSING VALVE COIL
26H	HEATER PROTECTOR(OPTION PARTS)

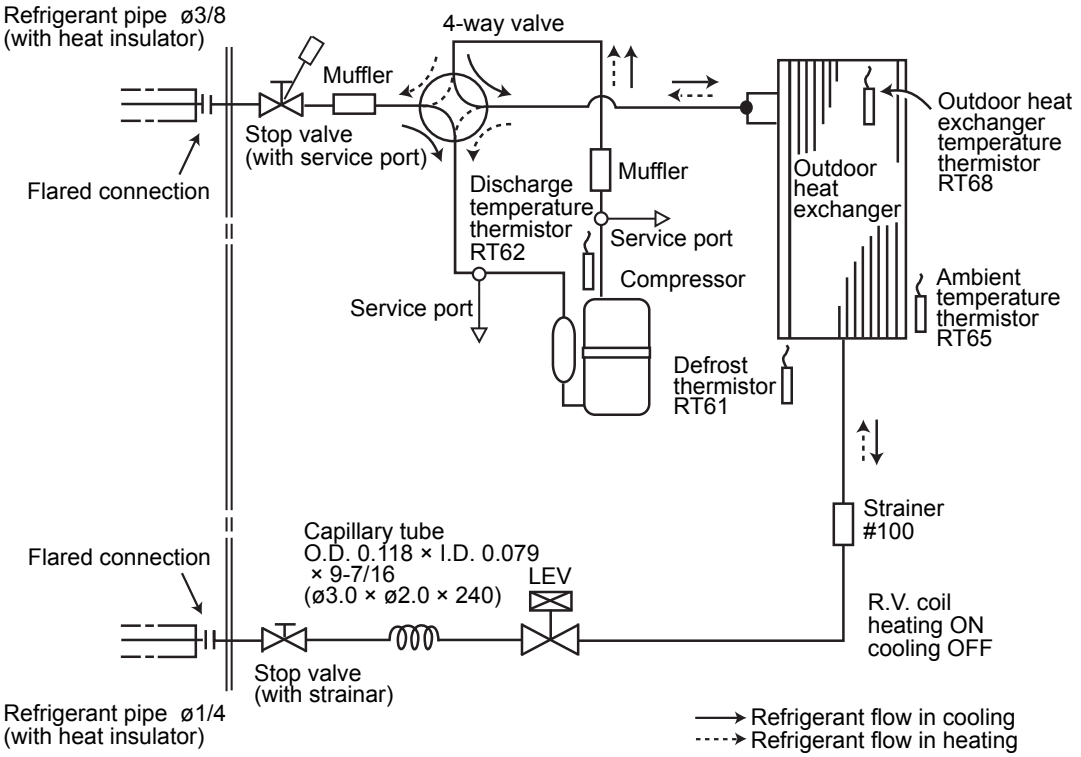
Due to continuing improvement, above specification may be subject to change without notice.

3-5. REFRIGERANT SYSTEM DIAGRAMS

SEZ-KD09NA4.TH SEZ-KD12NA4.TH SEZ-KD15NA4.TH SEZ.KD18NA4.TH

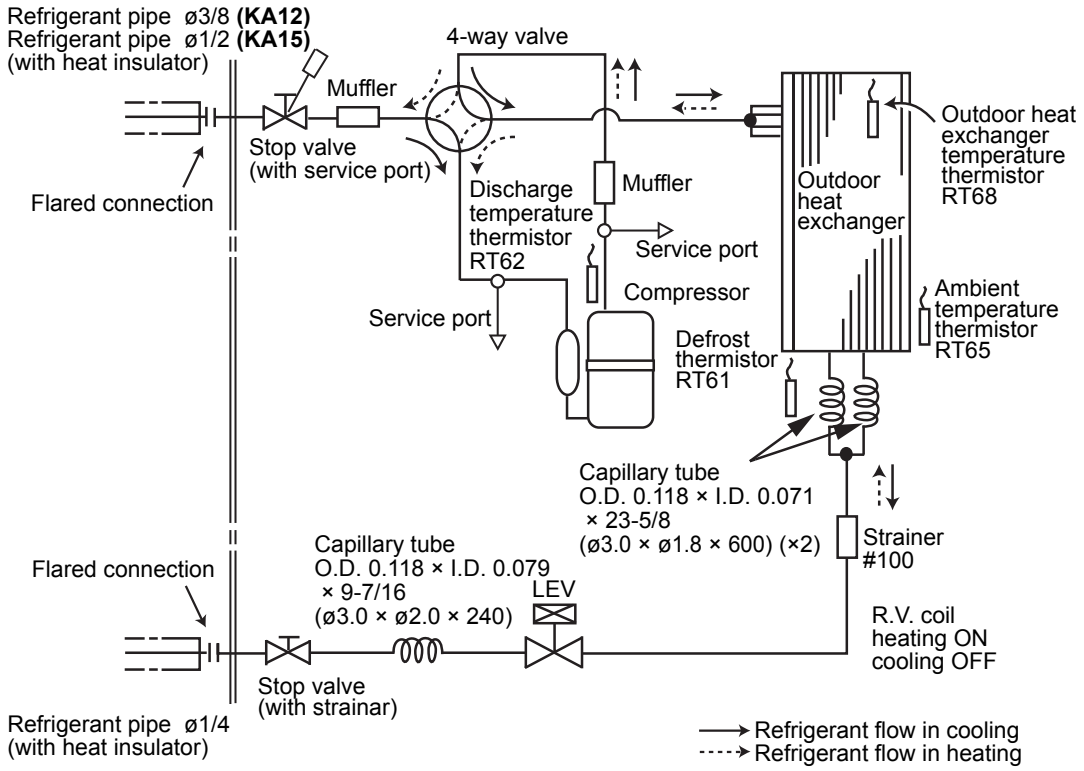


SUZ-KA09NA.TH

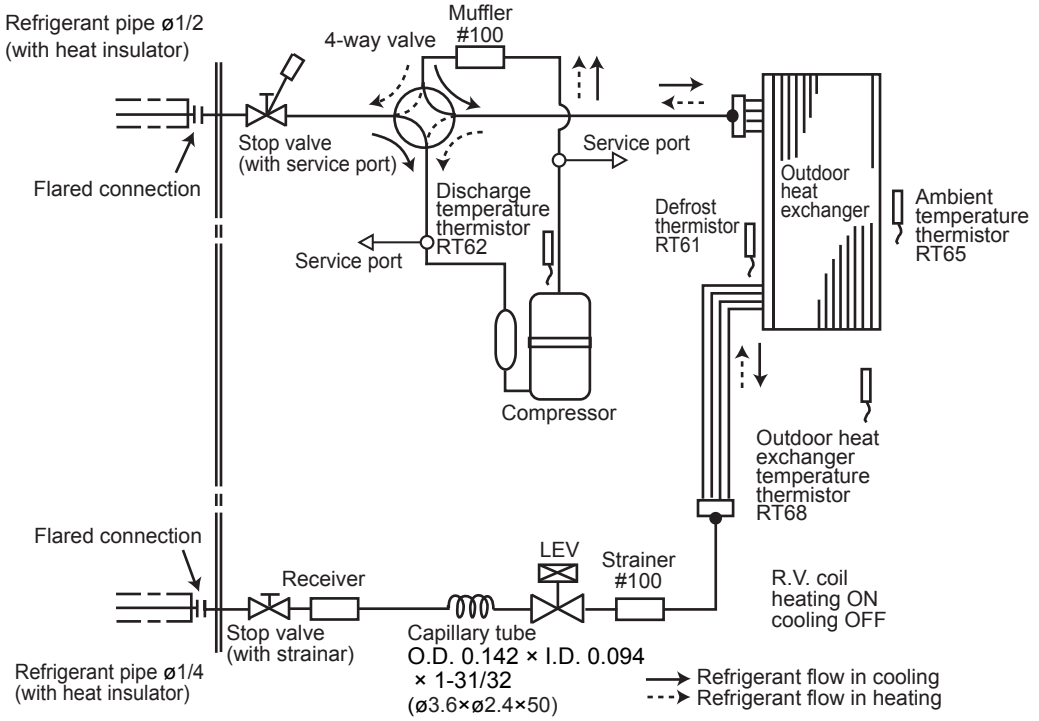


Due to continuing improvement, above specification may be subject to change without notice.

SUZ-KA12NA.TH SUZ-KA15NA.TH



SUZ-KA18NA.TH

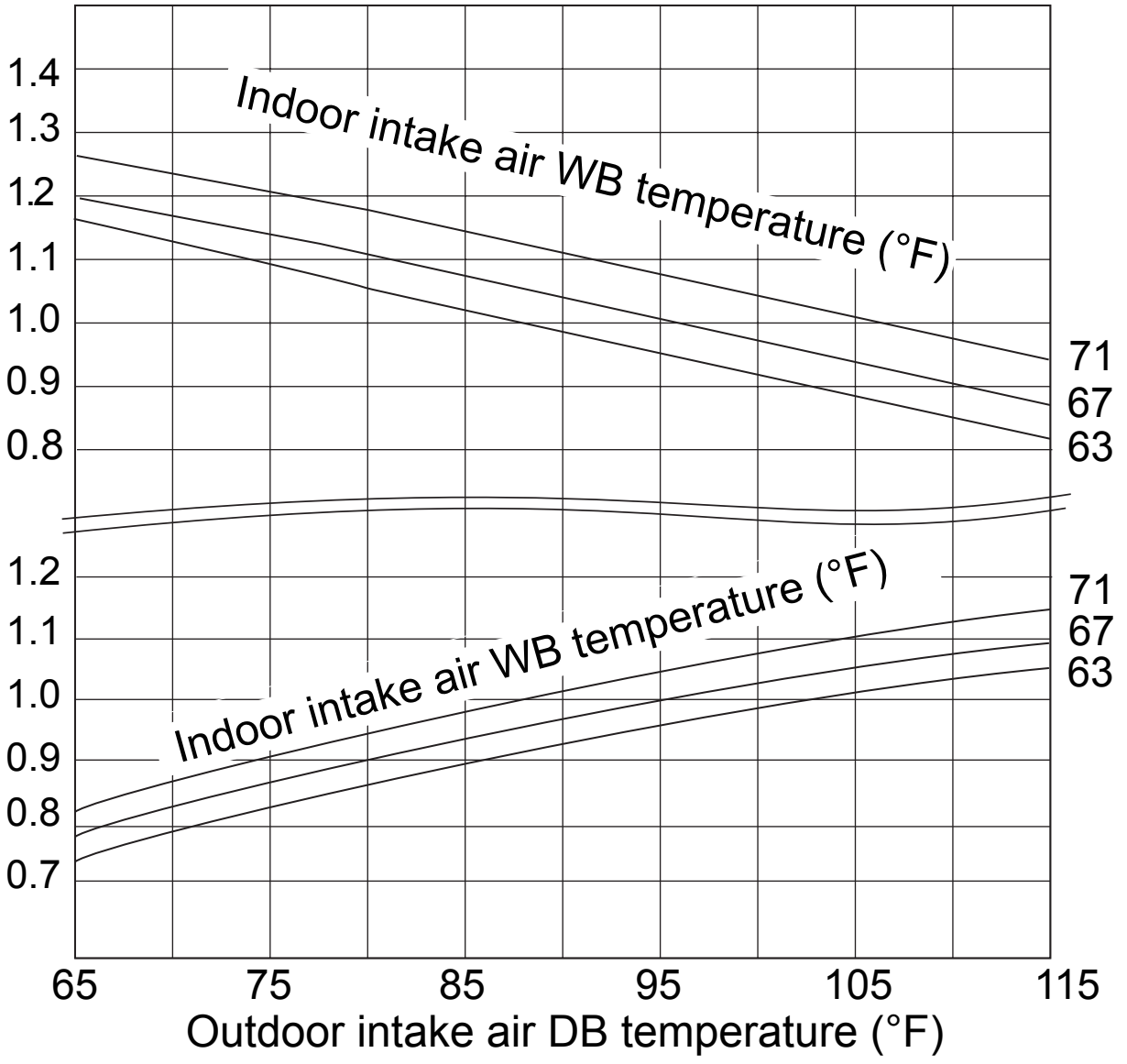


Due to continuing improvement, above specification may be subject to change without notice.

3-6. CAPACITY CORRECTION CURVE BY TEMPERATURE

(1) Cooling Performance Curve

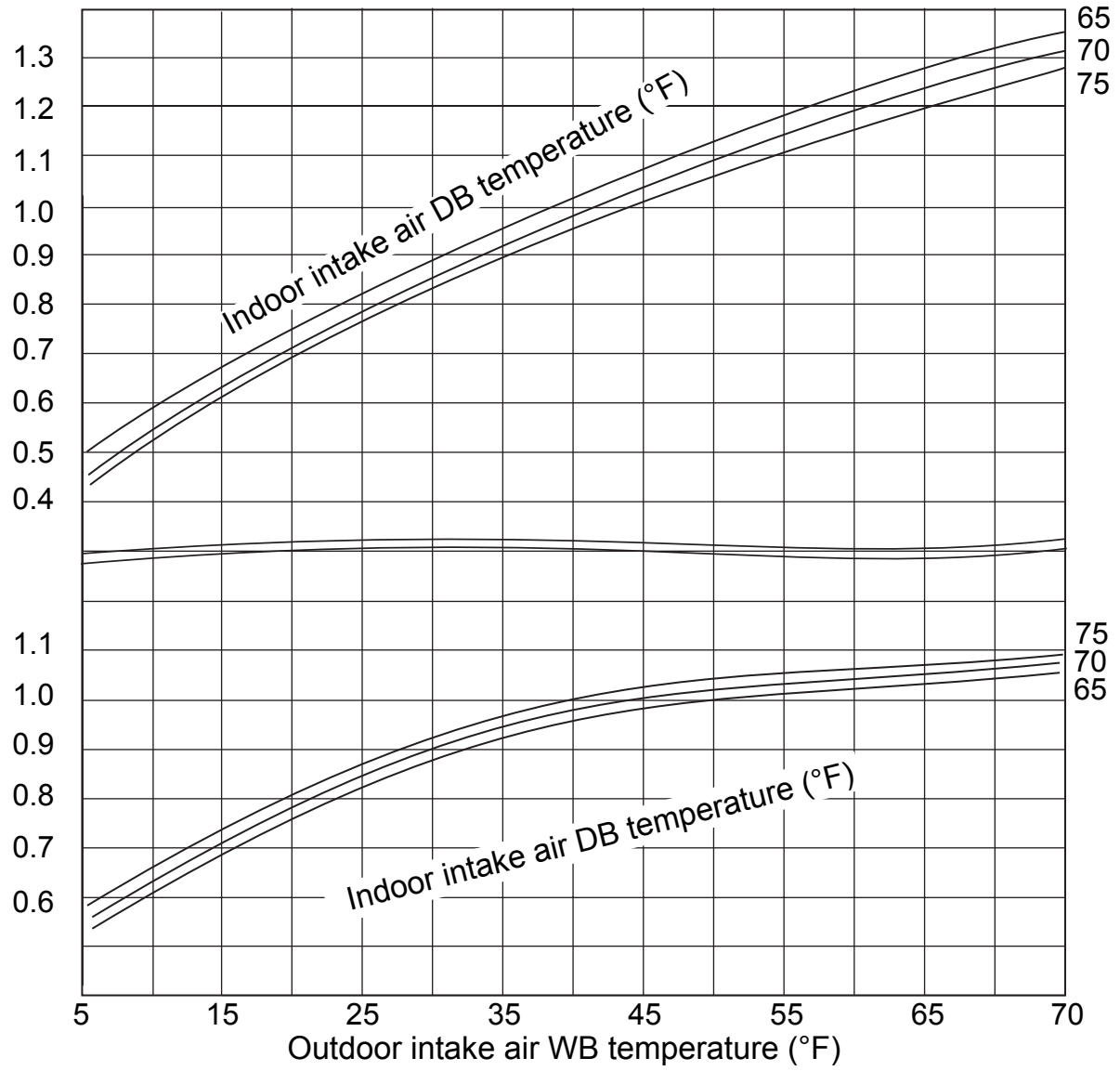
For The Combination Of Outdoor Unit SUZ-KA·NA



Due to continuing improvement, above specification may be subject to change without notice.

(2) Heating Performance Curve

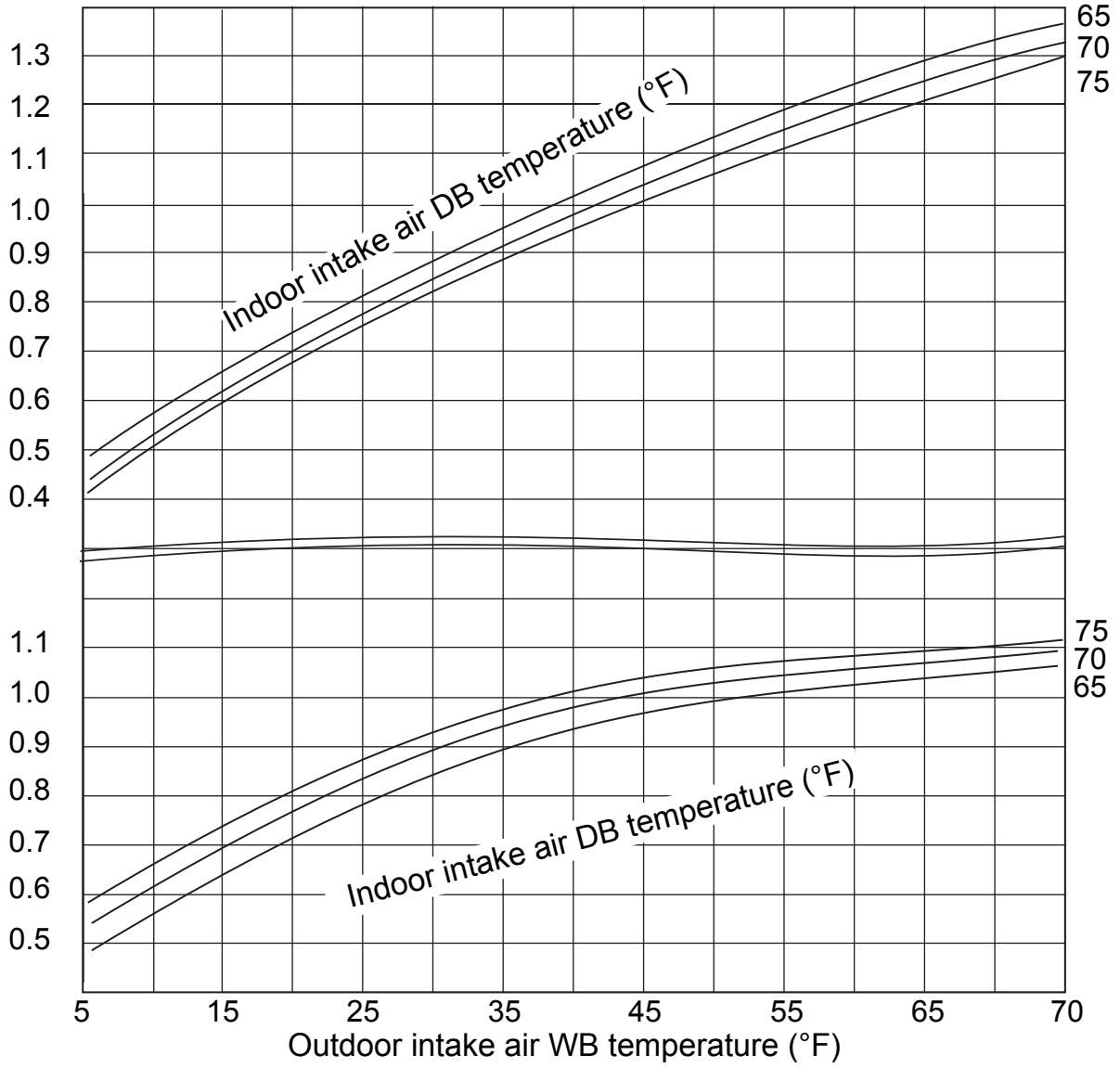
SEZ-KD09NA4.TH SEZ-KD12NA4.TH SEZ-KD15NA4.TH



Note : This value of frequency is not the same as the actual frequency in operating.

3-6. CAPACITY CORRECTION CURVE BY TEMPERATURE

SEZ.KD18NA4.TH



Note : This value of frequency is not the same as the actual frequency in operating.

Due to continuing improvement, above specification may be subject to change without notice.

SUZ-KA09NA.TH SUZ-KA12NA.TH SUZ-KA15NA.TH
SUZ-KA15NA.TH SUZ-KA18NA.TH

(1) Cooling Capacity

Model	Indoor air	Outdoor intake air DB temperature (˚F)															
	IWB (˚ F)	75			85			95			105			115			
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
SUZ-KA09NA.TH	71	9.9	6.6	0.60	9.3	6.2	0.65	8.7	5.8	0.70	8.1	5.4	0.74	7.5	5.0	0.77
	67	9.4	7.5	0.56	8.7	7.0	0.62	8.1	6.5	0.67	7.5	6.0	0.71	6.9	5.5	0.74
	63	8.8	8.2	0.54	8.2	7.6	0.59	7.6	7.1	0.64	6.9	6.5	0.68	6.3	5.9	0.71
SUZ-KA12NA.TH	71	14.1	8.8	0.82	13.2	8.3	0.90	12.4	7.7	0.97	11.5	7.2	1.02	10.6	6.6	1.06
	67	13.3	10.1	0.77	12.4	9.4	0.85	11.5	8.7	0.92	10.7	8.1	0.98	9.8	7.5	1.02
	63	12.5	11.2	0.74	11.6	10.4	0.81	10.8	9.7	0.88	9.8	8.8	0.94	9.0	8.0	0.98
SUZ-KA15NA.TH	71	17.3	11.5	1.04	16.1	10.8	1.14	15.2	10.1	1.23	14.1	9.4	1.29	13.0	8.6	1.35
	67	16.4	13.1	0.98	15.2	12.2	1.08	14.1	11.3	1.17	13.1	10.5	1.24	12.1	9.6	1.30
	63	15.4	14.3	0.94	14.2	13.3	1.04	13.3	12.4	1.12	12.1	11.3	1.19	11.0	10.3	1.24
SUZ-KA18NA.TH	71	21.1	13.8	1.23	19.7	12.9	1.35	18.5	12.1	1.45	17.2	11.3	1.52	15.8	10.4	1.59
	67	20.0	15.8	1.16	18.6	14.7	1.28	17.2	13.6	1.38	16.0	12.6	1.46	14.7	11.6	1.53
	63	18.7	17.3	1.10	17.4	16.0	1.22	16.2	14.9	1.32	14.7	13.6	1.41	13.4	12.4	1.46

NOTE: 1. IWB: Intake air wet-bulb temperature
TC: Total Capacity (×10^{3}Btu/h)
SHC: Sensible Heat Capacity (×10^{3}Btu/h)
TPC: Total Power Consumption (kW)
2. SHC is based on 80˚F of indoor Intake air DB temperature.

Due to continuing improvement, above specification may be subject to change without notice.

SUZ-KA09NA.TH SUZ-KA12NA.TH SUZ-KA15NA.TH SUZ-KA15NA.TH SUZ-KA18NA.TH

(2) Heating Capacity

Model	Indoor air	Outdoor intake air WB temperature (°F)															
		5		15		25		35		43		45		55			
	IDB (°F)	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC		
SUZ-KA09NA.TH	75	4.8	0.60	6.3	0.76	7.9	0.89	9.4	0.99	10.6	1.05	11.0	1.06	12.4	1.10		
	70	5.2	0.58	6.7	0.73	8.2	0.87	9.6	0.97	10.9	1.02	11.2	1.04	12.7	1.08		
	65	5.5	0.55	6.9	0.70	8.6	0.84	10.0	0.94	11.2	0.99	11.6	1.01	13.0	1.06		
SUZ-KA12NA.TH	75	6.0	0.67	7.9	0.85	9.9	1.00	11.8	1.11	13.3	1.17	13.7	1.19	15.5	1.23		
	70	6.5	0.64	8.4	0.82	10.2	0.97	12.0	1.08	13.6	1.14	14.0	1.16	15.8	1.21		
	65	6.8	0.62	8.6	0.79	10.7	0.94	12.4	1.05	14.0	1.11	14.4	1.13	16.2	1.19		
SUZ-KA15NA.TH	75	7.9	0.89	10.4	1.12	13.1	1.31	15.6	1.46	17.6	1.54	18.1	1.56	20.5	1.62		
	70	8.6	0.85	11.1	1.08	13.5	1.28	15.9	1.43	18.0	1.50	18.5	1.53	21.0	1.59		
	65	9.0	0.81	11.3	1.04	14.1	1.24	16.5	1.39	18.5	1.46	19.1	1.49	21.4	1.56		
SUZ-KA18NA.TH	75	9.5	1.00	12.5	1.27	15.7	1.49	18.7	1.66	21.1	1.74	21.7	1.77	24.6	1.84		
	70	10.3	0.96	13.3	1.22	16.2	1.45	19.1	1.62	21.6	1.70	22.2	1.73	25.2	1.80		
	65	10.8	0.92	13.6	1.17	17.0	1.40	19.8	1.57	22.2	1.66	22.9	1.68	25.7	1.77		

NOTE: 1. IDB: Intake air dry-bulb temperature
TC: Total Capacity ($\times 10^3$Btu/h)
TPC: Total Power Consumption (kW)
2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.
1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch twice or once, or press any button on the remote controller.

(3) M-Series Cooling Correction

	70	77	81	86	95	104	115
60	1.11	1.06	1.01	0.97	0.91	0.83	0.76
63	1.16	1.10	1.06	1.02	0.96	0.88	0.81
64	1.18	1.13	1.08	1.04	0.98	0.90	0.83
68	1.23	1.18	1.14	1.10	1.03	0.96	0.89
72	1.28	1.23	1.20	1.15	1.09	1.02	0.95
75	1.34	1.29	1.26	1.22	1.15	1.08	1.02
79	1.38	1.34	1.32	1.28	1.21	1.14	1.07

(4) M-Series Defrost Correction

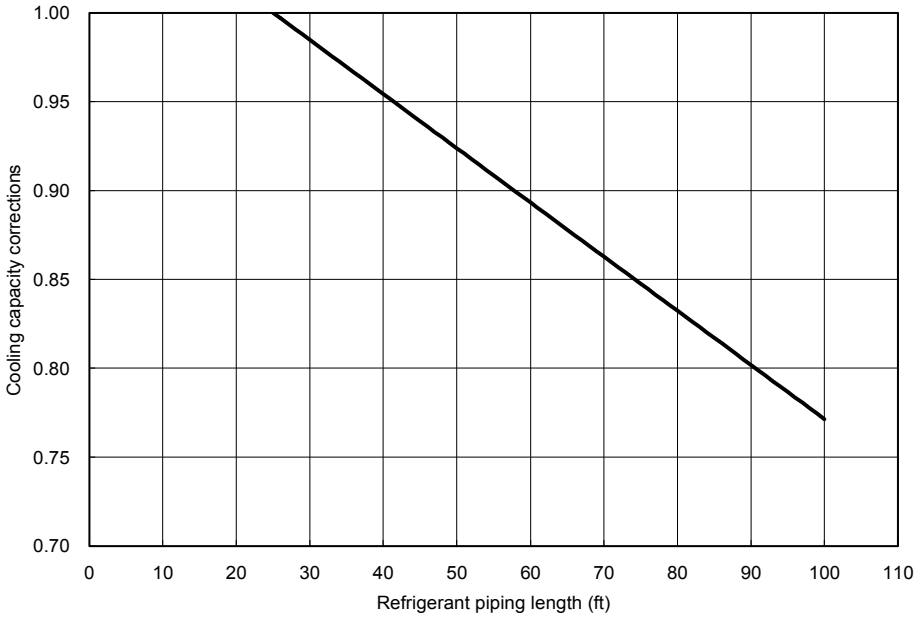
Outdoor intake temperature W.B. [° F]	43	39	36	32	28	25	21	18	14
Outdoor intake temperature W.B. [° C]	6	4	2	0	-2	-4	-6	-8	-10
Correction factor	1.00	0.80	0.82	0.84	0.87	0.90	0.93	0.96	1.00

(5) M-Series Heating Correction

		Outdoor W.B. [° F]							
		-13	-4	5	14	23	32	41	50
	Indoor								
	EAT DB								
SUZ-KA09NA.TH	60			0.56	0.66	0.80	0.95	1.07	1.07
SUZ-KA12NA.TH	60			0.56	0.66	0.80	0.95	1.07	1.07
SUZ-KA15NA.TH	60			0.56	0.66	0.80	0.95	1.07	1.07
SUZ-KA18NA.TH	60			0.56	0.66	0.80	0.95	1.07	1.07
Interpolated Data Between 60 and 65 Indoor EAT DB data sets									
SUZ-KA09NA.TH	63			0.55	0.65	0.79	0.93	1.05	1.05
SUZ-KA12NA.TH	63			0.55	0.65	0.79	0.93	1.05	1.05
SUZ-KA15NA.TH	63			0.55	0.65	0.79	0.93	1.05	1.05
SUZ-KA18NA.TH	63			0.55	0.65	0.79	0.93	1.05	1.05
SUZ-KA09NA.TH	65			0.54	0.64	0.78	0.92	1.03	1.03
SUZ-KA12NA.TH	65			0.54	0.64	0.78	0.92	1.03	1.03
SUZ-KA15NA.TH	65			0.54	0.64	0.78	0.92	1.03	1.03
SUZ-KA18NA.TH	65			0.54	0.64	0.78	0.92	1.03	1.03
SUZ-KA09NA.TH	70			0.52	0.62	0.75	0.885	1.00	1.00
SUZ-KA12NA.TH	70			0.52	0.62	0.75	0.885	1.00	1.00
SUZ-KA15NA.TH	70			0.52	0.62	0.75	0.885	1.00	1.00
SUZ-KA18NA.TH	70			0.52	0.62	0.75	0.885	1.00	1.00
SUZ-KA09NA.TH	75			0.50	0.60	0.72	0.85	0.96	0.96
SUZ-KA12NA.TH	75			0.50	0.60	0.72	0.85	0.96	0.96
SUZ-KA15NA.TH	75			0.50	0.60	0.72	0.85	0.96	0.96
SUZ-KA18NA.TH	75			0.50	0.60	0.72	0.85	0.96	0.96
SUZ-KA09NA.TH	80			0.48	0.58	0.70	0.82	0.93	0.93
SUZ-KA12NA.TH	80			0.48	0.58	0.70	0.82	0.93	0.93
SUZ-KA15NA.TH	80			0.48	0.58	0.70	0.82	0.93	0.93
SUZ-KA18NA.TH	80			0.48	0.58	0.70	0.82	0.93	0.93

3-8. CAPACITY CORRECTION CURVE BY REFRIGERANT PIPING LENGTH

SUZ-KA09NA.TH SUZ-KA12NA.TH SUZ-KA15NA.TH
SUZ-KA15NA.TH SUZ-KA18NA.TH



Due to continuing improvement, above specification may be subject to change without notice.

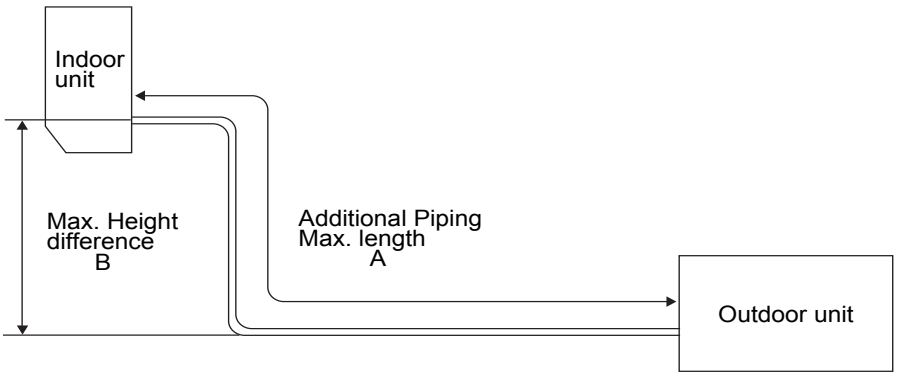
3-9. CAPACITY CORRECTION TABLE BY REFRIGERANT PIPING LENGTH

(1) Cooling capacity correction

Refrigerant piping length (one way: ft.)				
	25 (std.)	40	65	100
SUZ-KA09NA.TH SUZ-KA12NA.TH SUZ-KA15NA.TH	1.0	0.954	0.878	-
SUZ-KA18NA.TH	1.0	0.954	0.878	0.713

(2) Maximum refrigerant piping length & maximum height difference

Model	Refrigerant piping: ft		Piping size: in.			
	Additional piping Max. length A	Additional piping Max. height B	Gas		Liquid	
			Outside diameter	Minimum Wall thickness	Outside diameter	Minimum Wall thickness
SUZ-KA09NA.TH SUZ-KA12NA.TH	65	40	ϕ3/8	0.0315	ϕ1/4	0.0315
SUZ-KA15NA.TH	65	40	ϕ1/2	0.0315	ϕ1/4	0.0315
SUZ-KA18NA.TH	100	50	ϕ1/2	0.0315	ϕ1/4	0.0315



Due to continuing improvement, above specification may be subject to change without notice.

(3) M-Series Piping Correction Cooling

Refrigerant piping length (ft)			
25(std)	40	65	100
1.000	0.954	0.878	0.771

(4) M-Series Piping Correction Heating

Refrigerant piping length (ft)			
25(std)	40	65	100
1.000	0.989	0.972	0.955

(1) Additional Refrigerant Charge (R410A: oz.)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calcualation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25ft	30ft	40ft	50ft	60ft	65ft
SUZ-KA09NA.TH	2 lb. 0 oz.	0	1.62	4.86	8.10	11.34	12.96
SUZ-KA12NA.TH	2 lb. 9 oz.						
SUZ-KA15NA.TH							

NOTE: Calculation: X oz. = 1.62/5 oz./ft × (Refrigerant piping length (ft) - 25)

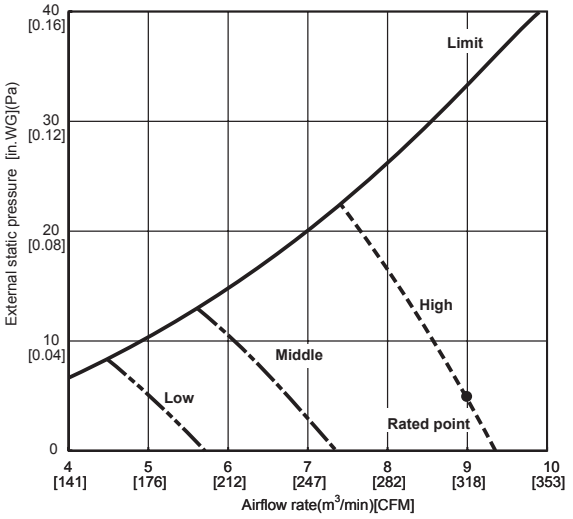
Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.								
		25ft	30ft	40ft	50ft	60ft	70ft	80ft	90ft	100ft
SUZ-KA18NA.TH	4 lb. 0 oz.	0	1.08	3.24	5.40	7.56	9.72	11.88	14.04	16.20

NOTE: Calculation: X oz. = 1.08/5 oz./ft × (Refrigerant piping length (ft) - 25)

(1) Indoor Unit

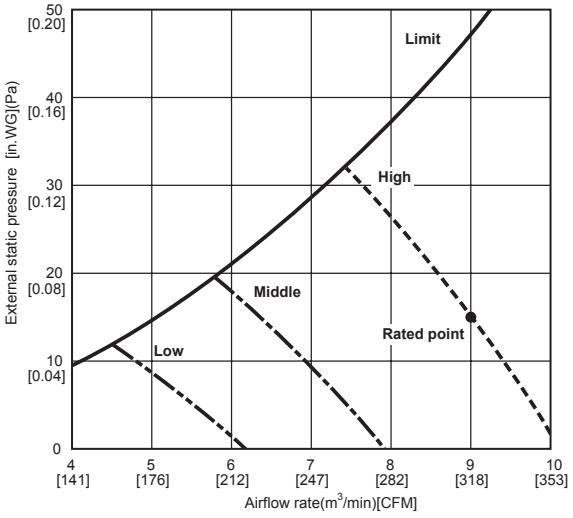
SEZ-KD09NA4.TH

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



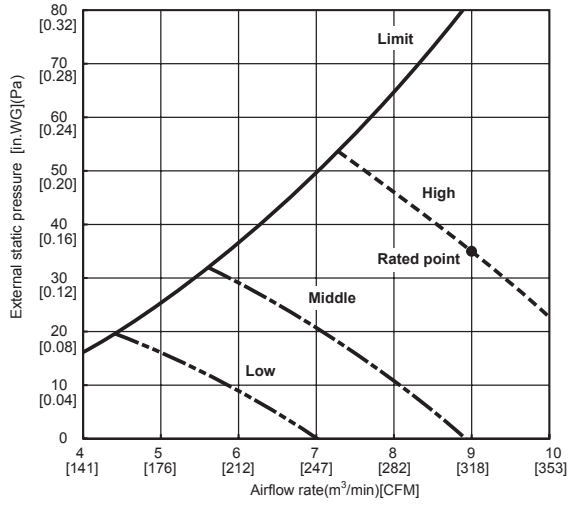
SEZ-KD09NA4.TH

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



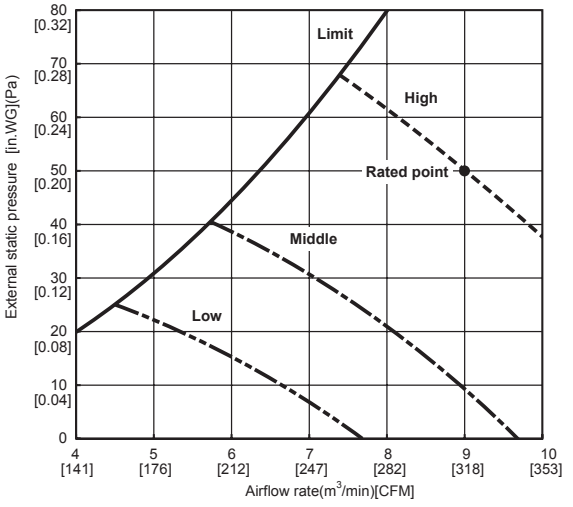
SEZ-KD09NA4.TH

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



SEZ-KD09NA4.TH

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz

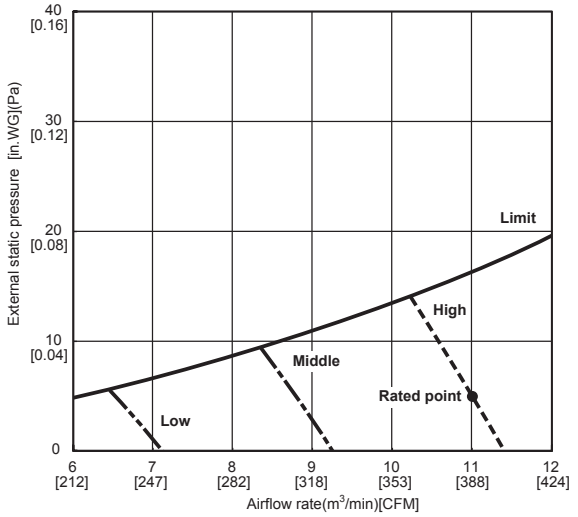


Due to continuing improvement, above specification may be subject to change without notice.

3-11. AIR FLOW DATA

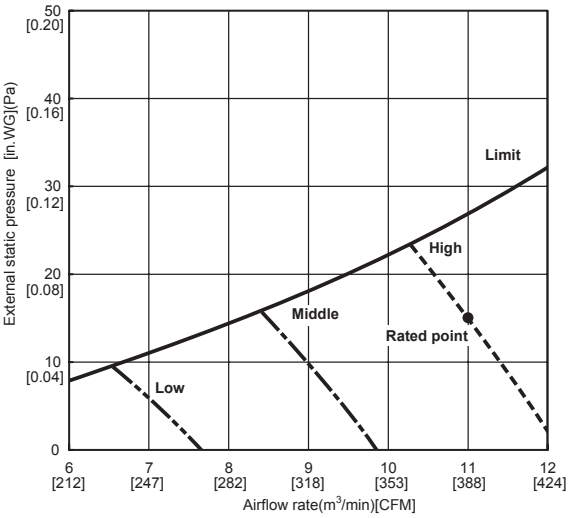
SEZ-KD12NA4.TH

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



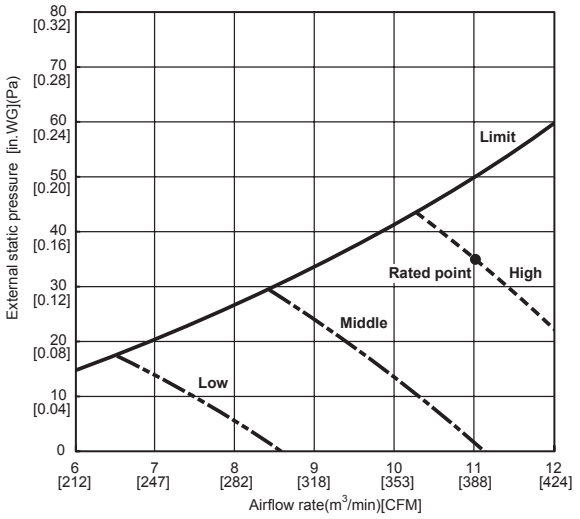
SEZ-KD12NA4.TH

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



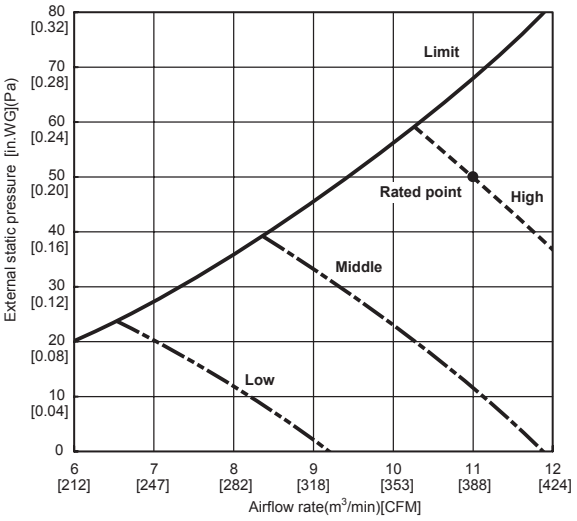
SEZ-KD12NA4.TH

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



SEZ-KD12NA4.TH

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz

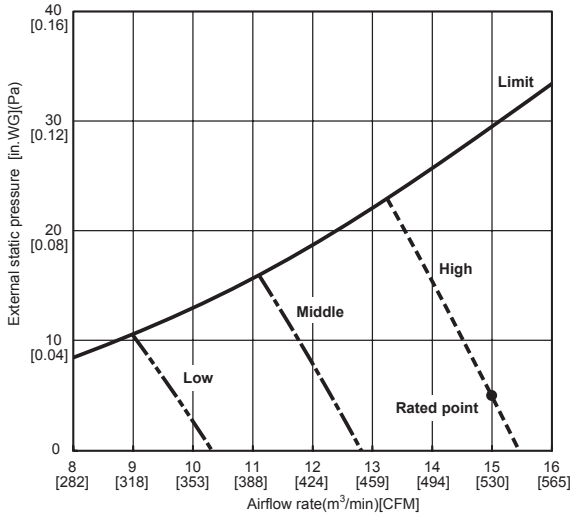


Due to continuing improvement, above specification may be subject to change without notice.

3-11. AIR FLOW DATA

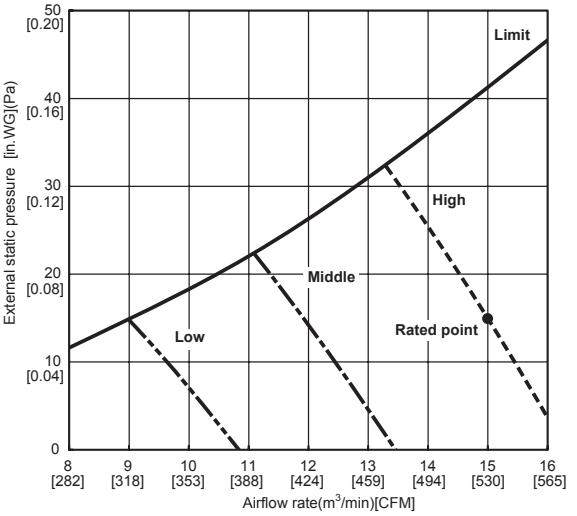
SEZ-KD15NA4.TH

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



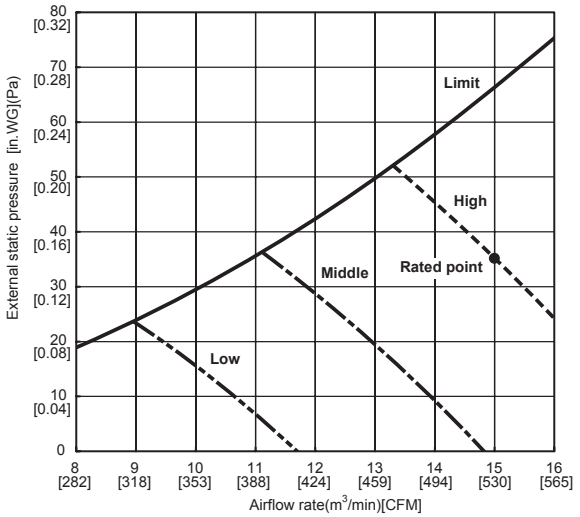
SEZ-KD15NA4.TH

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



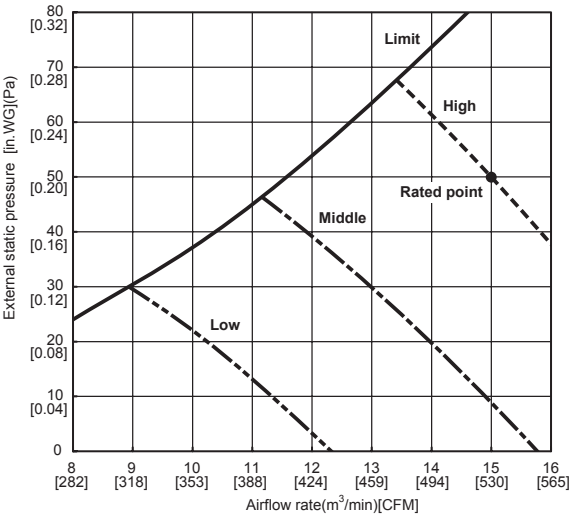
SEZ-KD15NA4.TH

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



SEZ-KD15NA4.TH

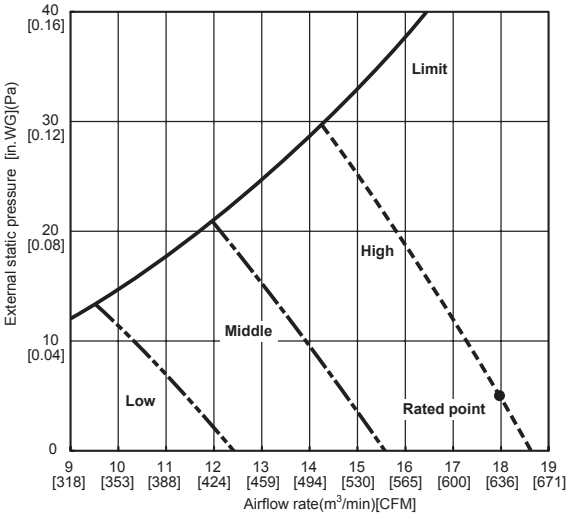
(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



Due to continuing improvement, above specification may be subject to change without notice.

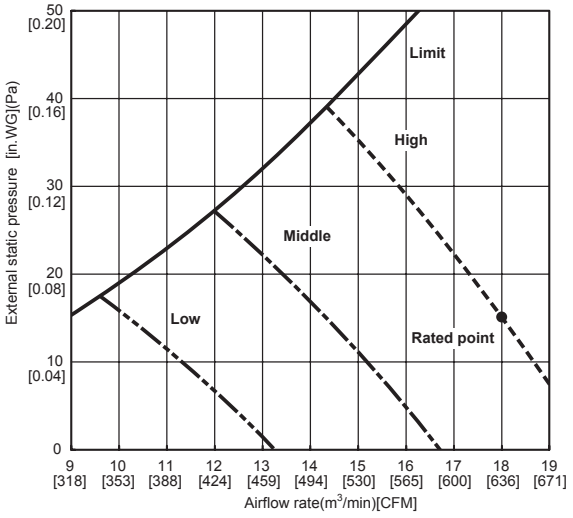
SEZ-KD18NA4.TH

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



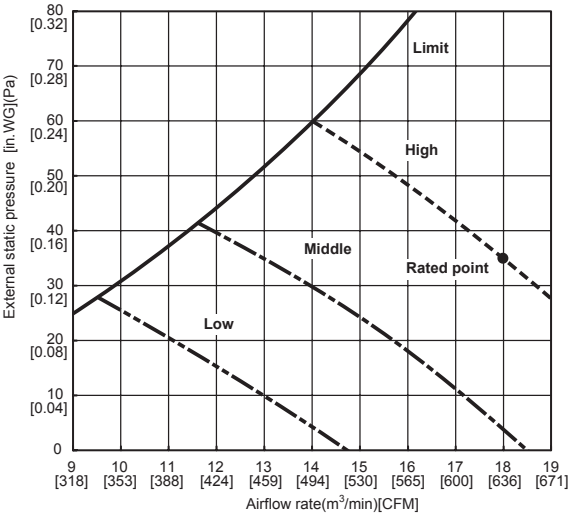
SEZ-KD18NA4.TH

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



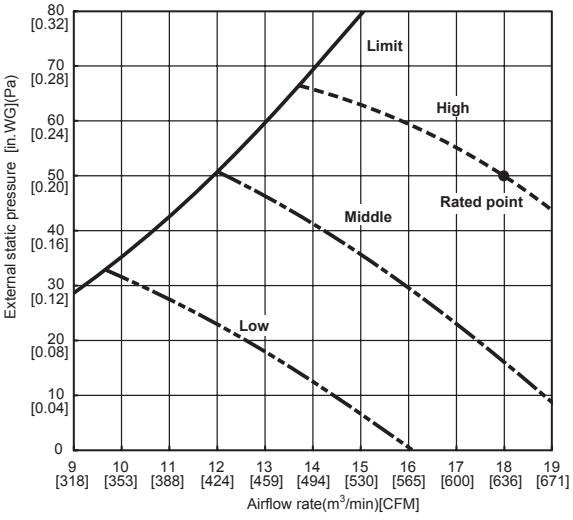
SEZ-KD18NA4.TH

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



SEZ-KD18NA4.TH

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



Due to continuing improvement, above specification may be subject to change without notice.

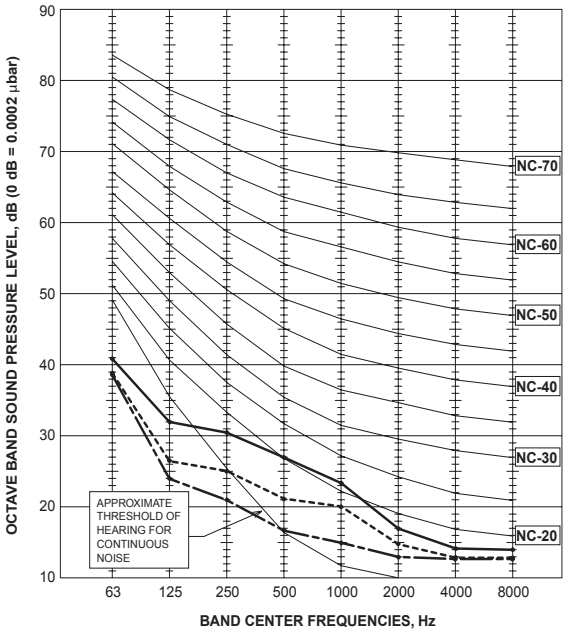
(1) Indoor Unit

SEZ-KD09NA4.TH

External static pressure:
0.02[in.WG](5Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	29	
Middle	25	
Low	22	

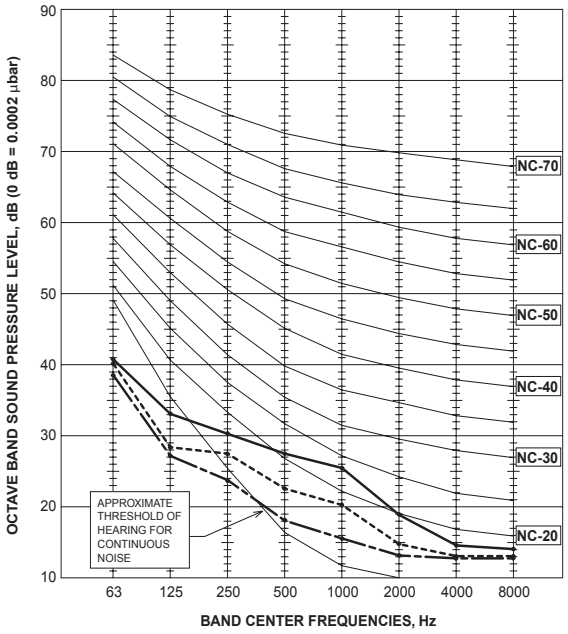


SEZ-KD09NA4.TH

External static pressure:
0.06[in.WG](15Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	30	
Middle	26	
Low	23	

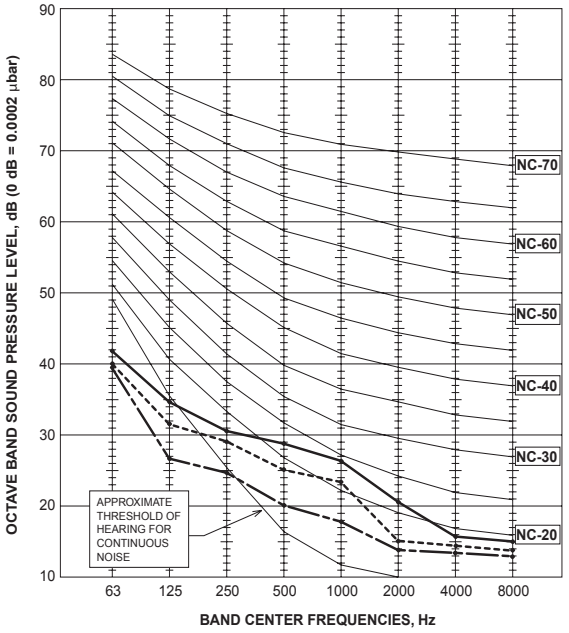


SEZ-KD09NA4.TH

External static pressure:
0.14[in.WG](35Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	31	
Middle	28	
Low	24	

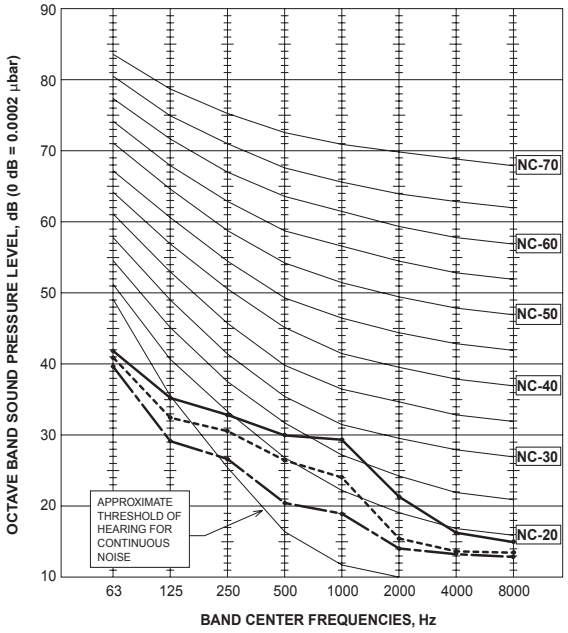


SEZ-KD09NA4.TH

External static pressure:
0.20[in.WG](50Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	33	
Middle	29	
Low	25	



NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

Due to continuing improvement, above specification may be subject to change without notice.

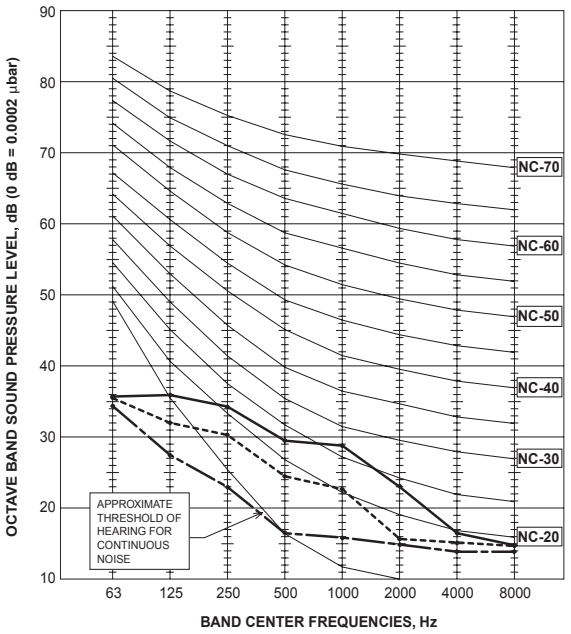
3-12. SOUND PRESSURE LEVELS

SEZ-KD12NA4.TH

External static pressure:
0.02[in.WG](5Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	33	
Middle	28	
Low	23	

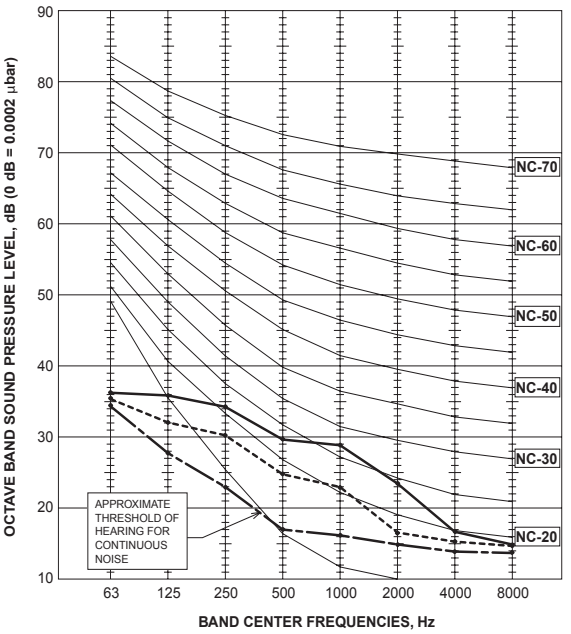


SEZ-KD12NA4.TH

External static pressure:
0.06[in.WG](15Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	33	
Middle	28	
Low	23	

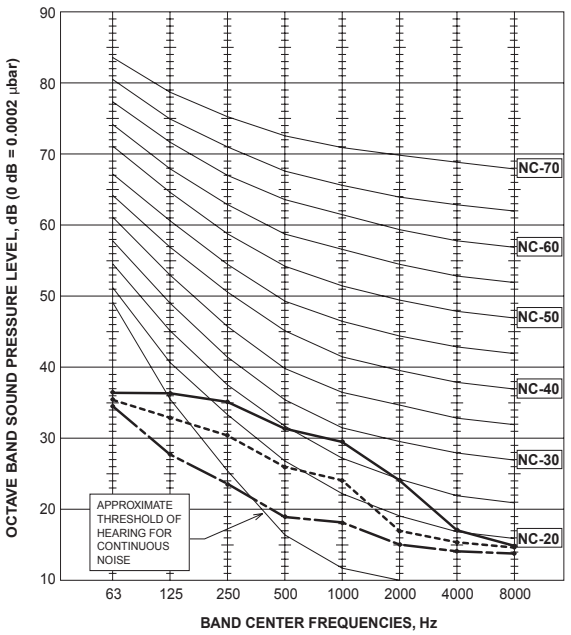


SEZ-KD12NA4.TH

External static pressure:
0.14[in.WG](35Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	34	
Middle	29	
Low	24	

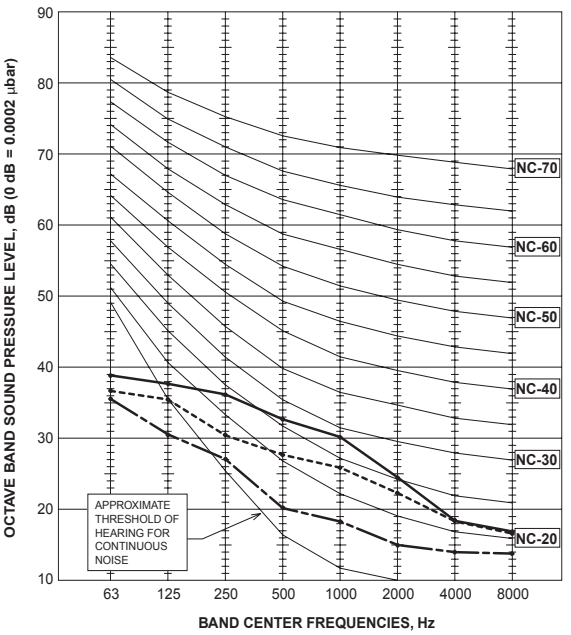


SEZ-KD12NA4.TH

External static pressure:
0.20[in.WG](50Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	35	
Middle	31	
Low	25	



NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

Due to continuing improvement, above specification may be subject to change without notice.

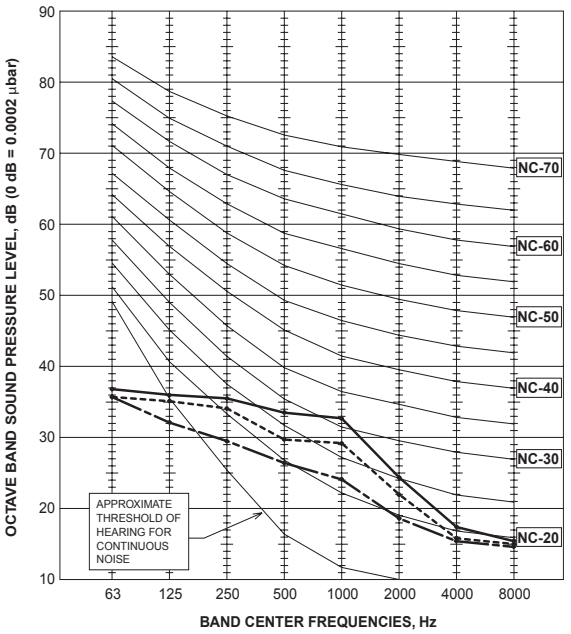
3-12. SOUND PRESSURE LEVELS

SEZ-KD15NA4.TH

External static pressure:
0.02[in.WG](5Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	36	
Middle	33	
Low	29	

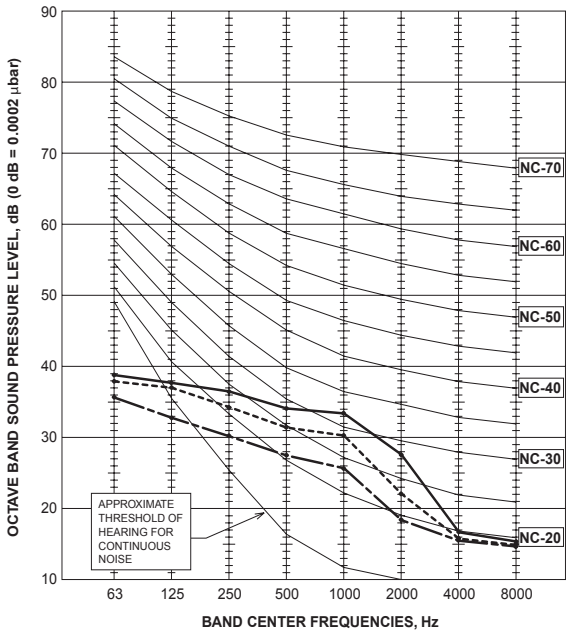


SEZ-KD15NA4.TH

External static pressure:
0.06[in.WG](15Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	37	
Middle	34	
Low	30	

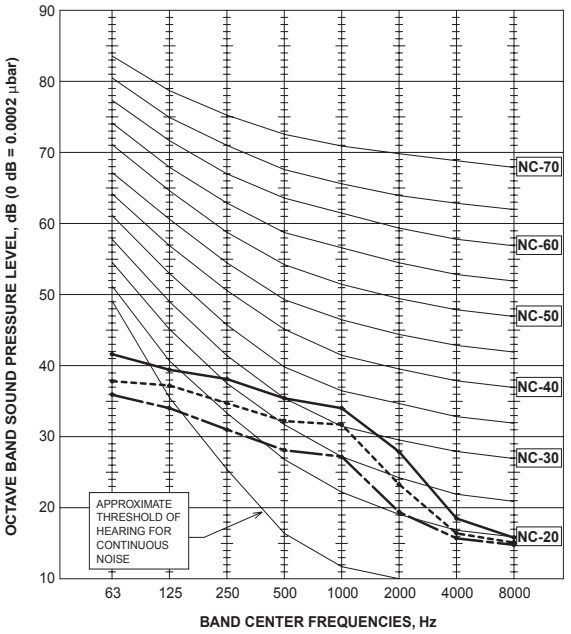


SEZ-KD15NA4.TH

External static pressure:
0.14[in.WG](35Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	38	
Middle	35	
Low	31	

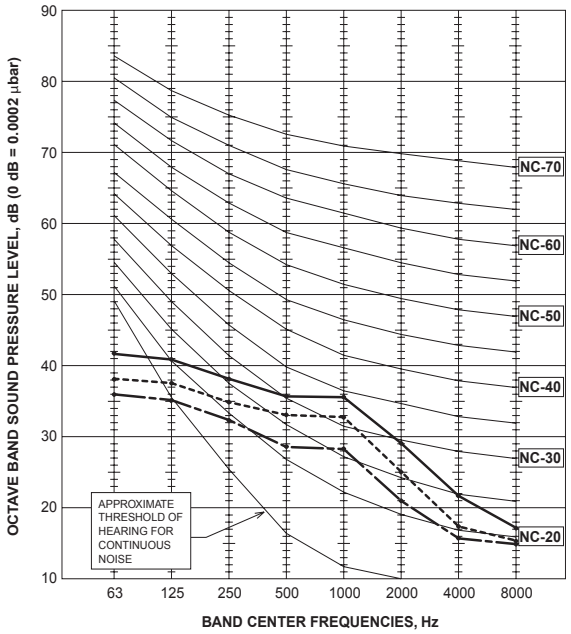


SEZ-KD15NA4.TH

External static pressure:
0.20[in.WG](50Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	39	
Middle	36	
Low	32	



NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

Due to continuing improvement, above specification may be subject to change without notice.

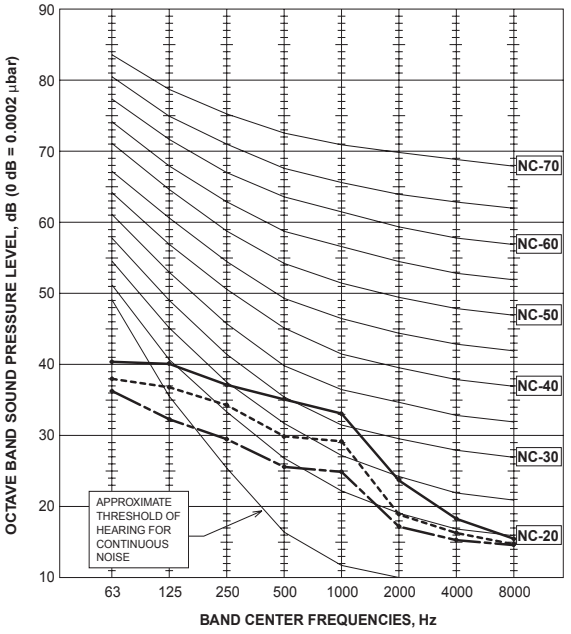
3-12. SOUND PRESSURE LEVELS

SEZ-KD18NA4.TH

External static pressure:
0.02[in.WG](5Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	37	
Middle	33	
Low	29	

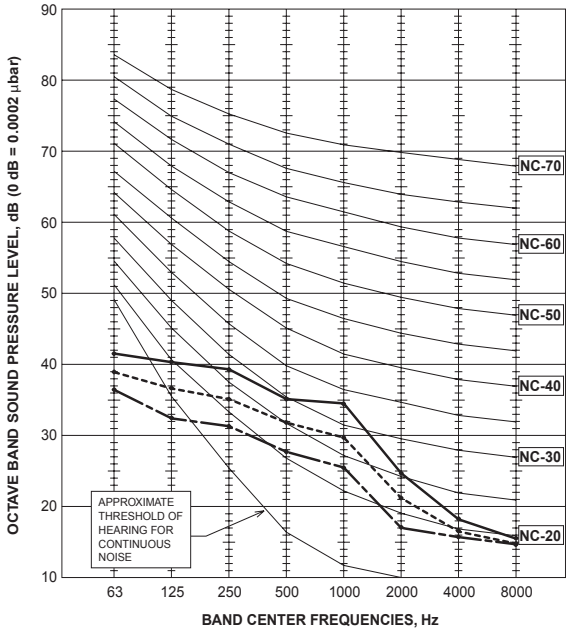


SEZ-KD18NA4.TH

External static pressure:
0.06[in.WG](15Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	38	
Middle	34	
Low	30	

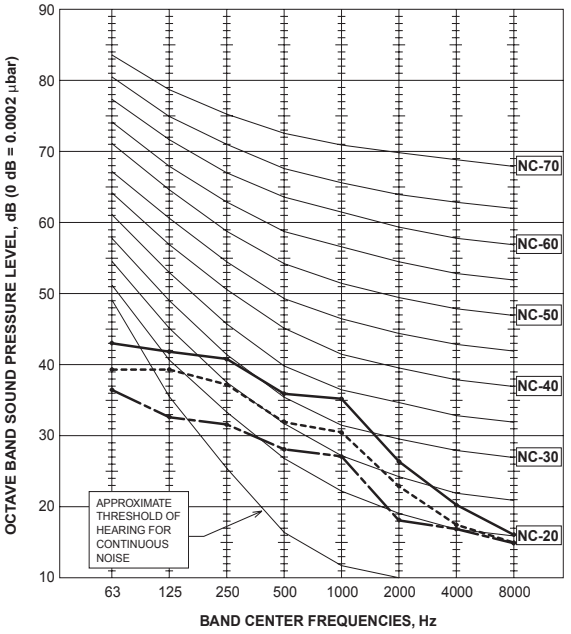


SEZ-KD18NA4.TH

External static pressure:
0.14[in.WG](35Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	39	
Middle	35	
Low	31	

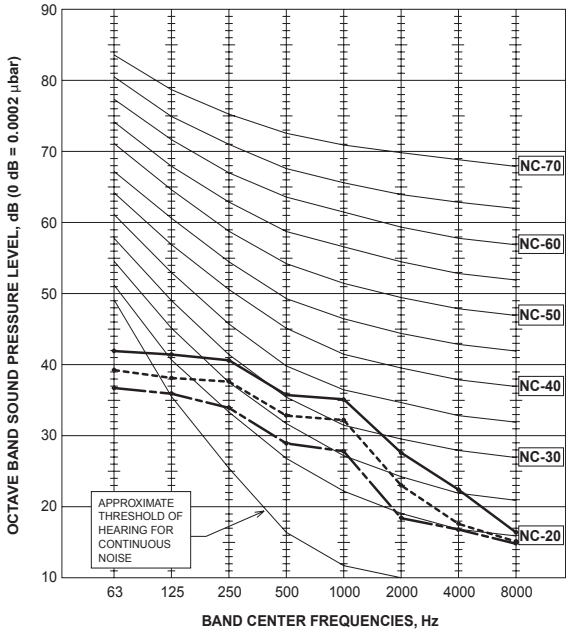


SEZ-KD18NA4.TH

External static pressure:
0.20[in.WG](50Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	39	
Middle	36	
Low	32	



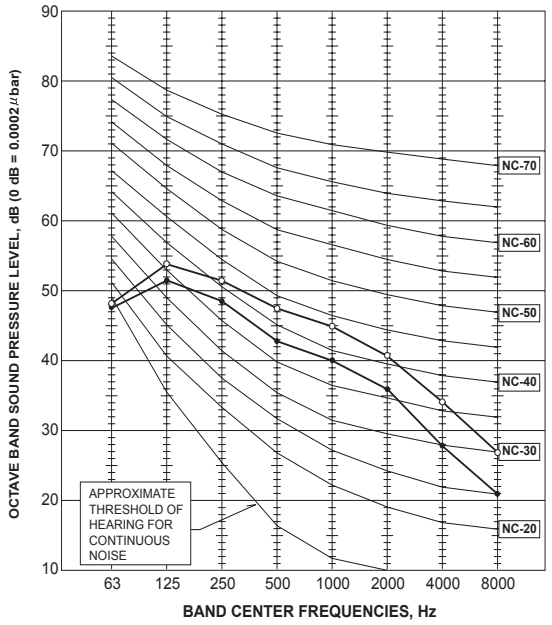
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

Due to continuing improvement, above specification may be subject to change without notice.

(2) Outdoor Unit

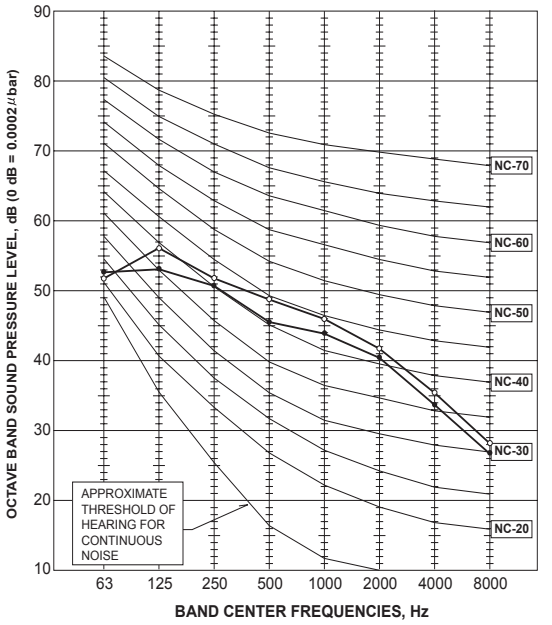
SUZ-KA09NA.TH

FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	50	○—○



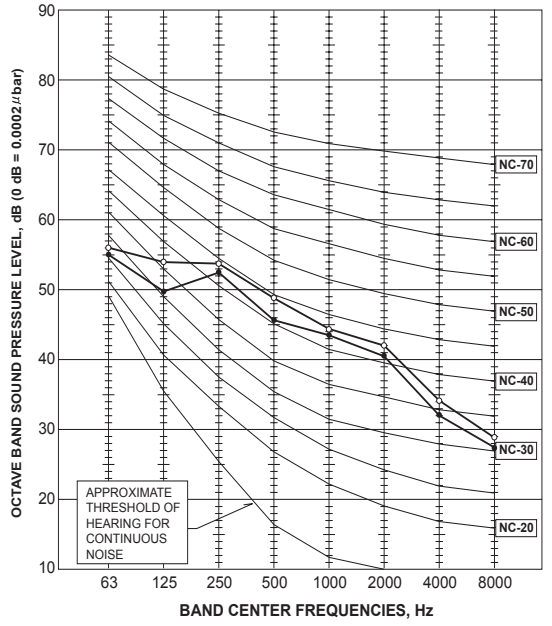
SUZ-KA12NA.TH

FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



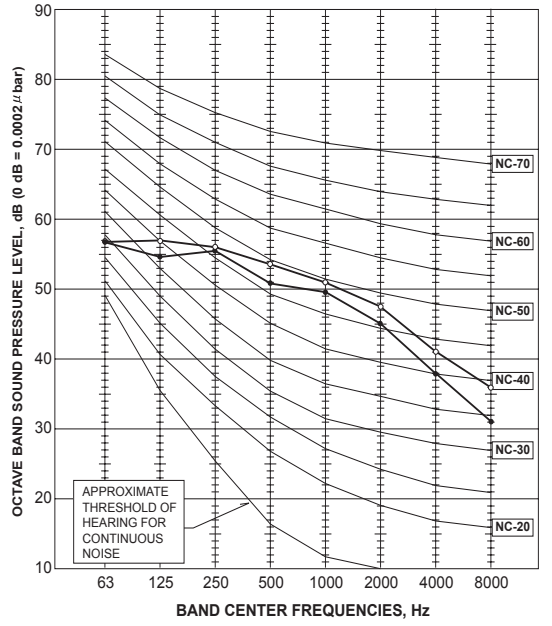
SUZ-KA15NA.TH

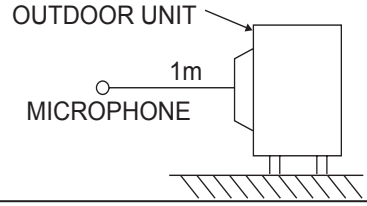
FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



SUZ-KA18NA.TH

FUNCTION	SPL(dB(A))	LINE
COOLING	54	●—●
HEATING	56	○—○





Due to continuing improvement, above specification may be subject to change without notice.

3-13. STANDARD OPERATION RANGE

	Rating	Guaranteed Voltage
Outdoor unit	208/230V 60Hz 1 Phase	Min. 187V 208V 230V Max. 253V

Mode	Intake Air Temperature	Indoor		Outdoor	
	Condition	DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	6	5

Due to continuing improvement, above specification may be subject to change without notice.

3-14. ACCESSORIES

(1) Indoor Unit

Part Number	Descriptions	Applicable model
BRP-1	Bottom Return Plate (Converts low profile ducted indoor unit from rear return to bottom return)	KD09
BRP-2	Bottom Return Plate (Converts low profile ducted indoor unit from rear return to bottom return)	KD12,15
BRP-3	Bottom Return Plate (Converts low profile ducted indoor unit from rear return to bottom return)	KD18
C13-103	Blue Diamond Sensor Extension Cable - 15 Ft.	All Models
CN24RELAY-KIT-CM3	Relay Kit for external heater adapter connects to CN24 on indoor control board	
DPLS1	Drain Pan Level Sensor/Control for indoor unit shut off to prevent Drain Pan Overflow	
FBL 1-1	FB SERIES Filter Box with MERV 8 Filters	KD09
FBL 1-2	FB SERIES Filter Box with MERV 8 Filters	KD12,15
FBL 1-3	FB SERIES Filter Box with MERV 8 Filters	KD18
MAC-333IF-E	System Control Interface - MA, Contact terminal, and M-NET Control Adapter, Supplemental heat and humidifier adaptor	All Models
MCCH1	Portable Central Controller (PCC) - controls up to 16 RedLINK Zones - requires an MHK1 on each indoor unit	
MHK1	Wireless wall-mounted remote controller (MRCH1) with a signal receiver (MIFH1) and cable (MRC1) all in one kit	
MOS1	Outdoor Air Sensor - reads both outside temperature and humidity displayed on MRCH1 and MCCH1 if installed	

(1) Indoor Unit (cont.)

Part Number	Descriptions	Applicable model
PAC-715AD	Wire for Remote on/off with CN32 connector	All Models
PAC-725AD	Connector and wire for Operation status/error, booster fan control for fresh air using CN51	
PAC-SE41TS-E	Remote temperature sensor for indoor units	
PAC-SF40RM-E	Remote Operation Adapter with wire terminals for remote on/off and operation status/error	
PAR-FA32MA	Wireless Signal Receiver used with PAR-FL32MA	
PAR-FL32MA	Wireless Remote Controller used with PAR-FA32MA	
PAC-YT53CRAU	Simple MA Remote Controller	
PAR-31MAA	Wall mounted, hard wired, multi-functional controller: used specifically for grouping (up to 16 units), twinning, lead/lag, and 7 day programmable applications	
RCMKP1CB	Lockdown Bracket for wireless, hand-held, remote controllers	
SI30-115	Mini-Condensation pump - 115 volt application	
SI30-230	Mini-Condensation pump - 230 volt application	
TAZ-MS303	Advanced Blue Diamond Mini-Condensation pump w/ Resevoir & Sensor - 208/230 volt application	

(1) Indoor Unit (cont.)

Part Number	Descriptions		Applicable model
MLS143812T-15	Diamondback Linesets	1/4 x 3/8 x 15' / 1/2" Twin-Tube Insulation	KD09,12
MLS143812T-30		1/4 x 3/8 x 30' / 1/2" Twin-Tube Insulation	
MLS143812T-50		1/4 x 3/8 x 50' / 1/2" Twin-Tube Insulation	
MLS143812T-65		1/4 x 3/8 x 65' / 1/2" Twin-Tube Insulation	
MLS141212T-15		1/4 x 1/2 x 15' / 1/2" Twin-Tube Insulation	KD15,18
MLS141212T-30		1/4 x 1/2 x 30' / 1/2" Twin-Tube Insulation	
MLS141212T-50		1/4 x 1/2 x 50' / 1/2" Twin-Tube Insulation	
MLS141212T-65		1/4 x 1/2 x 65' / 1/2" Twin-Tube Insulation	
MLS141212T-100		1/4 x 1/2 x 100' / 1/2" Twin-Tube Insulation	

(2) Outdoor Unit

Part Number	Descriptions	Applicable model
CWMB1	4 piece (1 pair) condensing unit wall mounting brackets - painted steel	All Models
DSD-400P	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	
MAC-640BH-U	Outdoor Unit Drain Pan Heater used during defrost cycle	KA09,12,15
MAC-641BH-U	Outdoor Unit Drain Pan Heater used during defrost cycle	KA18
ULTRILITE1	Condensing Unit Mounting Pad 16” x 36” x 3”	All Models