

S series Model List

Combination Table.....B-2

B.1 600 × 600 CEILING CASSETTE (SLZ)B-3

SLZ-KF25VA2

SLZ-KF35VA2

SLZ-KF50VA2

SLZ-KF60VA2

B.2 CEILING CONCEALED (SEZ).....B-29

SEZ-KD25VAQ

SEZ-KD25VAL

SEZ-KD35VAQ

SEZ-KD35VAL

SEZ-KD50VAQ

SEZ-KD50VAL

SEZ-KD60VAQ

SEZ-KD60VAL

SEZ-KD71VAQ

SEZ-KD71VAL

B.3 OUTDOOR UNIT (SUZ).....B-61

SUZ-KA25VA5

SUZ-KA35VA5

SUZ-KA50VA5

SUZ-KA60VA5

SUZ-KA71VA5



S series model

Combination Table

Models		Inverter Model					
Type		Heat pump					
Refrigerant		R410A					
Type	Outdoor unit		SUZ-KA25VA5	SUZ-KA35VA5	SUZ-KA50VA5	SUZ-KA60VA5	SUZ-KA71VA5
	Indoor unit						
600 x 600 Ceiling cassette SLZ-KF series	Heat pump	SLZ-KF25VA2	●				
		SLZ-KF35VA2		●			
		SLZ-KF50VA2			●		
		SLZ-KF60VA2				●	
Ceiling concealed SEZ-KD series	Heat pump	SEZ-KD25VAQ	●				
		SEZ-KD25VAL	●				
		SEZ-KD35VAQ		●			
		SEZ-KD35VAL		●			
		SEZ-KD50VAQ			●		
		SEZ-KD50VAL			●		
		SEZ-KD60VAQ				●	
		SEZ-KD60VAL				●	
		SEZ-KD71VAQ					●
		SEZ-KD71VAL					●

B.1 600×600 CEILING CASSETTE (SLZ)

B.1.1	SPECIFICATIONS	B-4
B.1.2	OUTLINES AND DIMENSIONS.....	B-5
	B.1.2.1 NDOOR UNIT	B-5
	B.1.2.2 WIRED REMOTE CONTROLLER.....	B-6
	B.1.2.3 WIRELESS REMOTE CONTROLLER.....	B-7
B.1.3	WIRING DIAGRAM.....	B-9
B.1.4	REFRIGERANT SYSTEM DIAGRAM	B-10
B.1.5	PERFORMANCE DATA.....	B-11
B.1.6	4-WAY AIR FLOW SYSTEM.....	B-20
B.1.7	NOISE CRITERIA CURVES	B-22
B.1.8	OUTLET AIR SPEED AND COVERAGE RANGE.....	B-23
B.1.9	CENTER OF GRAVITY POSITION	B-23
B.1.10	REMOTE CONTROLLER.....	B-24
	B.1.10.1 WIRELESS REMOTE CONTROLLER.....	B-24
B.1.11	TEMPERATURE AND AIRFLOW DISTRIBUTIONS.....	B-26

B.1.1 SPECIFICATIONS

Model Name	Indoor Unit				SLZ-KF25VA2	SLZ-KF35VA2	SLZ-KF50VA2	SLZ-KF60VA2
	Outdoor Unit				SUZ-KA25VA5	SUZ-KA35VA5	SUZ-KA50VA5	SUZ-KA60VA5
Power Supply	Out			Source	Outdoor power supply			
				V	230	230	230	230
				Phase	Single	Single	Single	Single
	In			Hz	50	50	50	50
				V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant				R410A	R410A	R410A	R410A	
Cooling	Capacity	Rated	kW	2.6	3.5	4.6	5.6	
		Max.	kW	3.2	3.9	5.2	6.5	
		Min.	kW	1.5	1.4	2.3	2.3	
	SHF	Rated		0.78	0.72	0.68	0.68	
	Total Input	Rated	kW	0.684	0.972	1.394	1.767	
	EER			3.80	3.60	3.30	3.17	
	Annual Electricity Consumption		kWh/a	144	188	256	316	
	SEER			6.3	6.5	6.3	6.2	
			Energy efficiency class	A++	A++	A++	A++	
Heating	Capacity	Rated	kW	3.2	4.0	5.0	6.4	
		Max.	kW	4.2	5.0	6.0	7.4	
		Min.	kW	1.3	1.7	1.7	2.5	
	Total Input	Rated	kW	0.886	1.108	1.558	2.278	
	COP			3.61	3.61	3.21	2.81	
	Annual Electricity Consumption		kWh/a	716	845	1172	1572	
	SCOP			4.3	4.3	4.3	4.1	
			Energy efficiency class	A+	A+	A+	A+	
	Operating Current(max)			A	7.2	8.4	12.3	14.4
Indoor Unit	Input	Rated	kW	0.02	0.02	0.03	0.04	
	Operating Current(max)		A	0.20	0.24	0.32	0.43	
	Dimensions	Height	mm	245	245	245	245	
		Width	mm	570	570	570	570	
		Depth	mm	570	570	570	570	
	Weight		kg	15.0	15.0	15.0	15.0	
	Air Volume	Low	m³/min.	6.5	6.5	7.0	7.5	
		Mid2	m³/min.	-	-	-	-	
		Mid	m³/min.	7.5	8.0	9.0	11.5	
		Hi	m³/min.	8.5	9.5	11.5	13.0	
	External Static Pressure		Pa	-	-	-	-	
	Sound Level (SPL)	Low	dB(A)	25	25	27	32	
		Mid2	dB(A)	-	-	-	-	
		Mid	dB(A)	28	30	34	40	
		Hi	dB(A)	31	34	39	43	
Sound Level (PWL)		Cooling	48	51	56	60		
Outdoor Unit	Dimensions	Height	mm	550	550	880	880	
		Width	mm	800	800	840	840	
		Depth	mm	285	285	330	330	
	Weight		kg	30	35	54	50	
	Air Volume	Cooling	Rated	m³/min.	32.6	36.3	44.6	40.9
		Heating	Rated	m³/min.	34.7	34.8	44.6	49.2
	Sound Level (SPL)	Cooling	Rated	dB(A)	47	49	52	55
		Silent	dB(A)	-	-	-	-	
		Heating	Rated	dB(A)	48	50	52	55
	Sound Level (PWL)		Cooling	58	62	65	65	
	Operating Current(max)		A	7.0	8.2	12.0	14.0	
	Breaker Size		A	10	10	20	20	
Ext. Piping	Diameter	Liquid	mm	6.35	6.35	6.35	6.35	
		Gas	mm	9.52	9.52	12.7	15.88	
	Max. Length	Out-In	m	20	20	30	30	
	Max. Height	Out-In	Below Indoor	m	12	12	30	30
			Above Indoor	m	12	12	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	+46	+46	+46	
			Lower Limit.	°C	-10	-15	-15	
		Heating	Upper Limit.	°C	+24	+24	+24	
			Lower Limit.	°C	-10	-10	-10	

B.1.2 OUTLINES AND DIMENSIONS

B.1.2.1 INDOOR UNIT

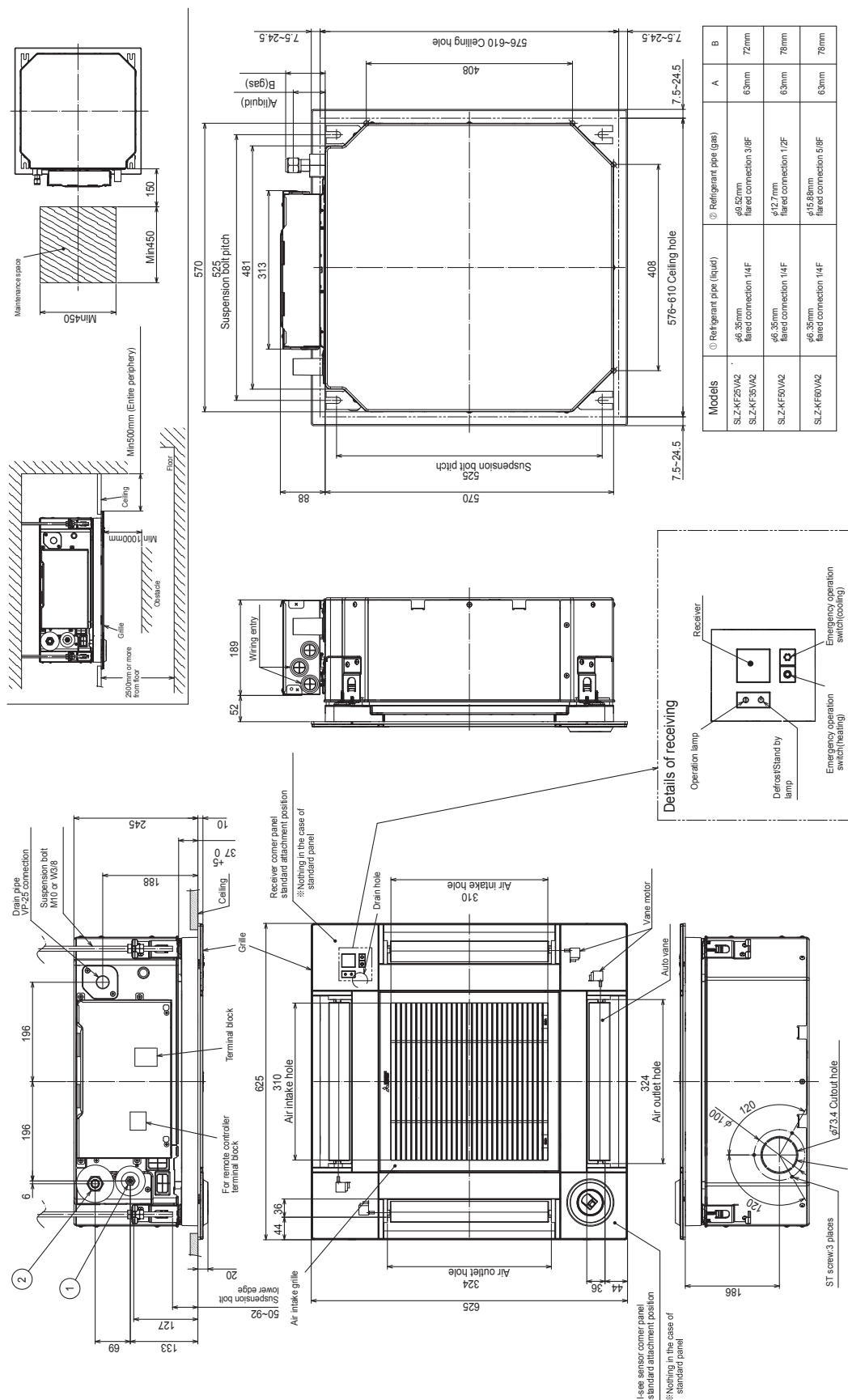
SLZ-KF25VA2

SLZ-KF35VA2

SLZ-KF50VA2

SLZ-KF60VA2

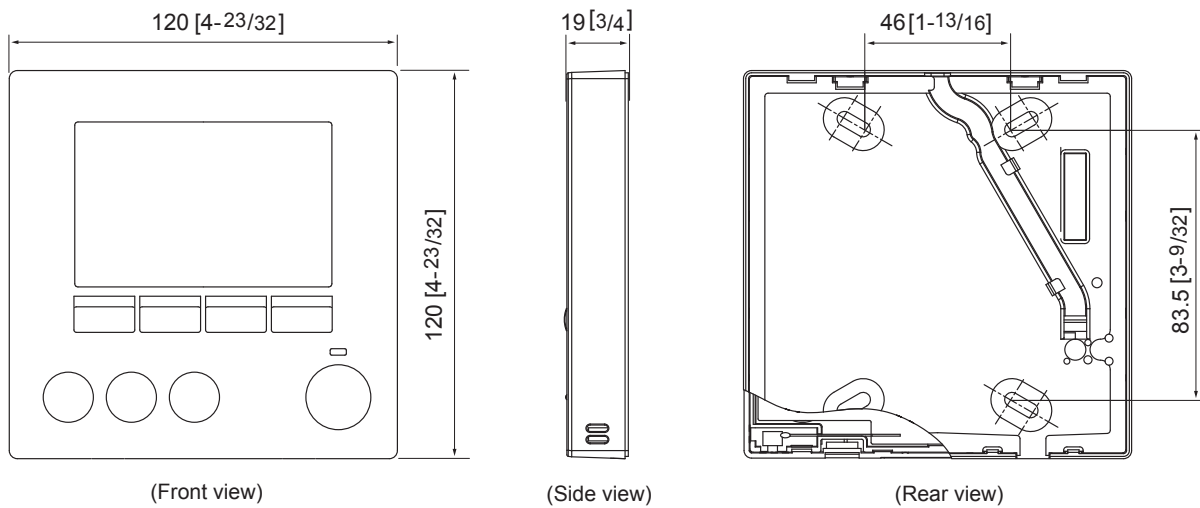
Unit : mm



B.1.2.2 WIRED REMOTE CONTROLLER

SLZ-KF25/35/50/60VA2 (Optional parts)

[PAR-32MAA]



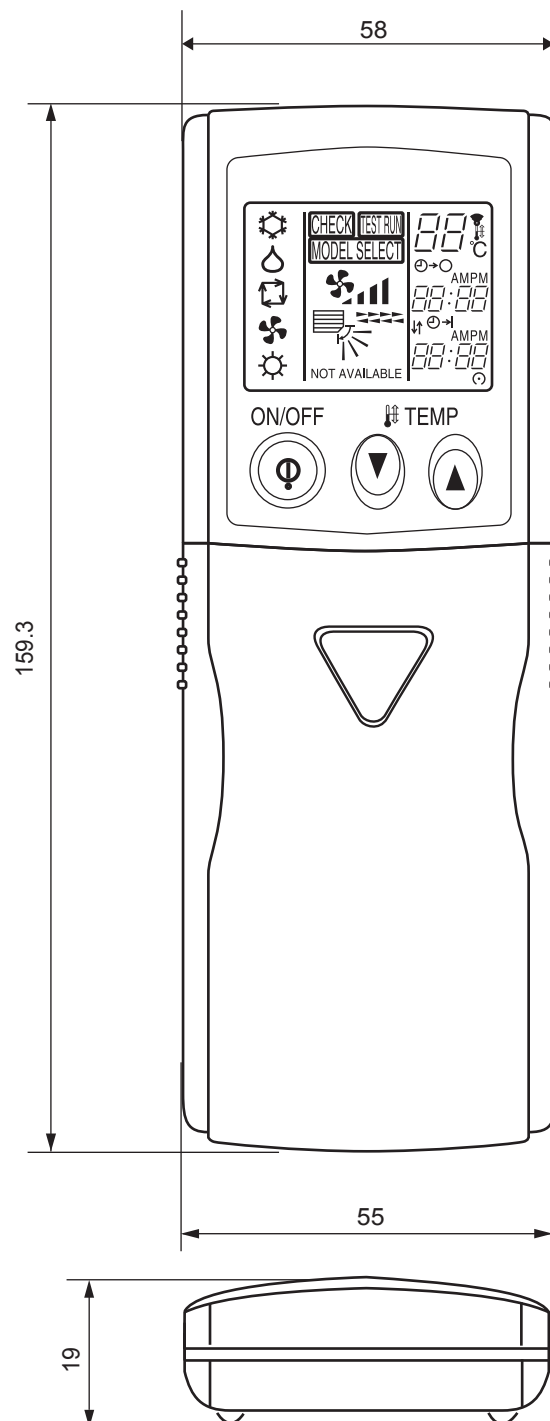
Unit : mm [in.]

B.1.2.3 WIRELESS REMOTE CONTROLLER

SLZ-KF25/35/50/60VA2

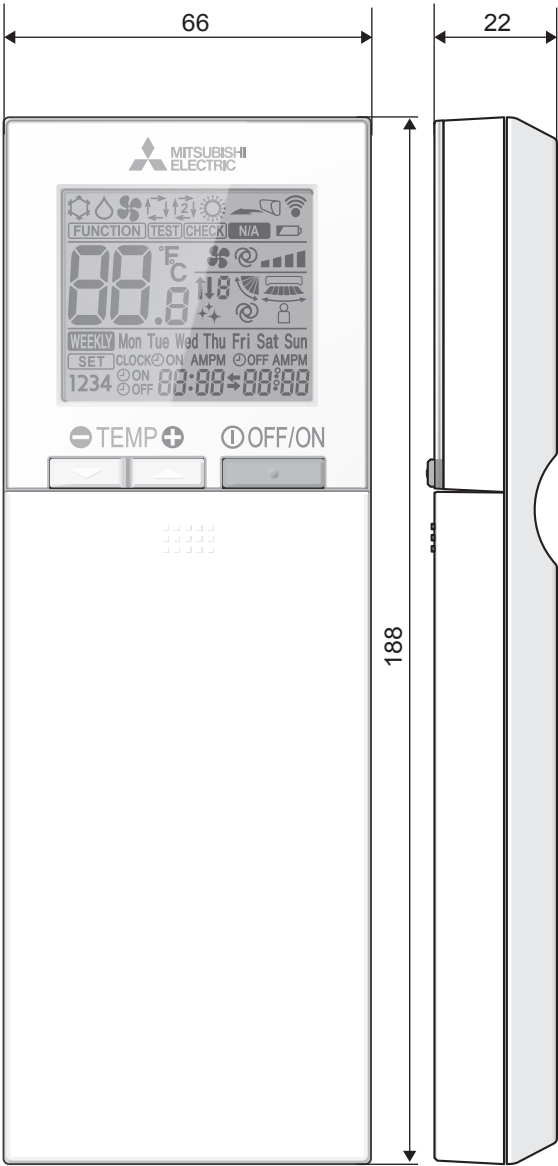
Unit : mm

[PAR-SL97A-E]



SLZ-KF25/35/50/60VA2
[PAR-SL100A-E]

Unit : mm



600×600
CEILING
CASSETTE

OUTLINES AND DIMENSIONS

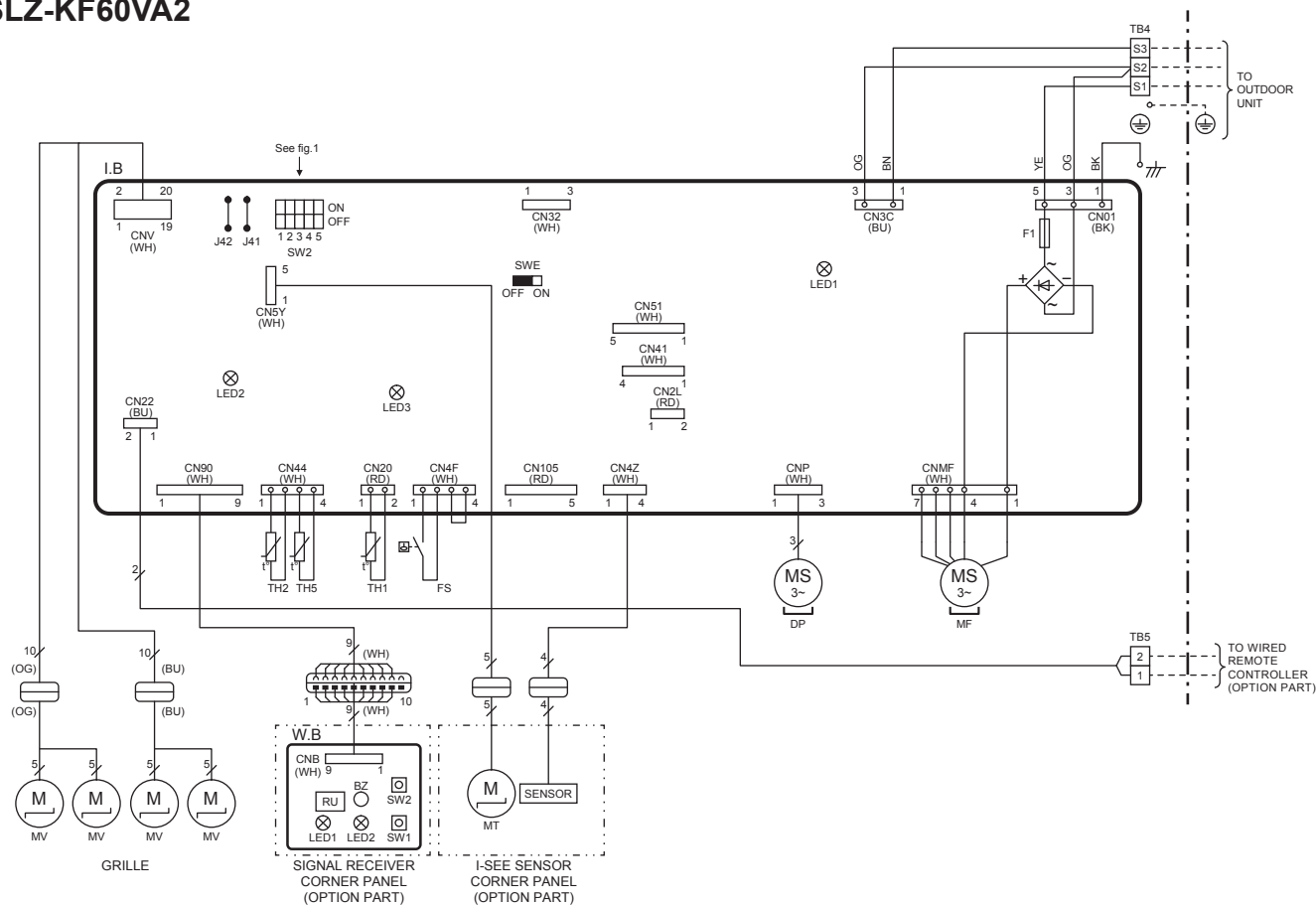
B.1.3 WIRING DIAGRAM

SLZ-KF25VA2

SLZ-KF35VA2

SLZ-KF50VA2

SLZ-KF60VA2



[LEGEND]

SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD
CN2L	CONNECTOR (LOSSNAY)
CN32	CONNECTOR (REMOTE SWITCH)
CN41	CONNECTOR (HA TERMINAL-A)
CN51	CONNECTOR (CENTRALLY CONTROL)
CN105	CONNECTOR (IT)
F1	FUSE (T6.3AL250V)
J41	JUMPER WIRE (PAIR NUMBER SETTING WITH WIRELESS REMOTE CONTROLLER)
J42	JUMPER WIRE (PAIR NUMBER SETTING WITH WIRELESS REMOTE CONTROLLER)
LED1	POWER SUPPLY (I.B.)
LED2	POWER SUPPLY (WIRED REMOTE CONTROLLER)
LED3	COMMUNICATION (INDOOR-OUTDOOR)
SW2	DIP SWITCH (CAPACITY CODE)
SWE	JUMPER SWITCH (EMERGENCY OPERATION)
DP	DRAIN PUMP
FS	FLOAT SWITCH
MF	FAN MOTOR
MV	VANE MOTOR
TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
TB5	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
TH1	ROOM TEMP. THERMISTOR
TH2	PIPE TEMP. THERMISTOR/LIQUID
TH5	CONDENSER / EVAPORATOR TEMP. THERMISTOR
OPTION PART	
W.B.	WIRELESS REMOTE CONTROLLER BOARD
BZ	BUZZER
LED1	OPERATION (GREEN)
LED2	DEFROST/STAND BY (ORANGE)
RU	RECEIVING UNIT
SW1	EMERGENCY OPERATION (HEAT)
SW2	EMERGENCY OPERATION (COOL)
MT	I-SEE SENSOR MOTOR

<fig.1>

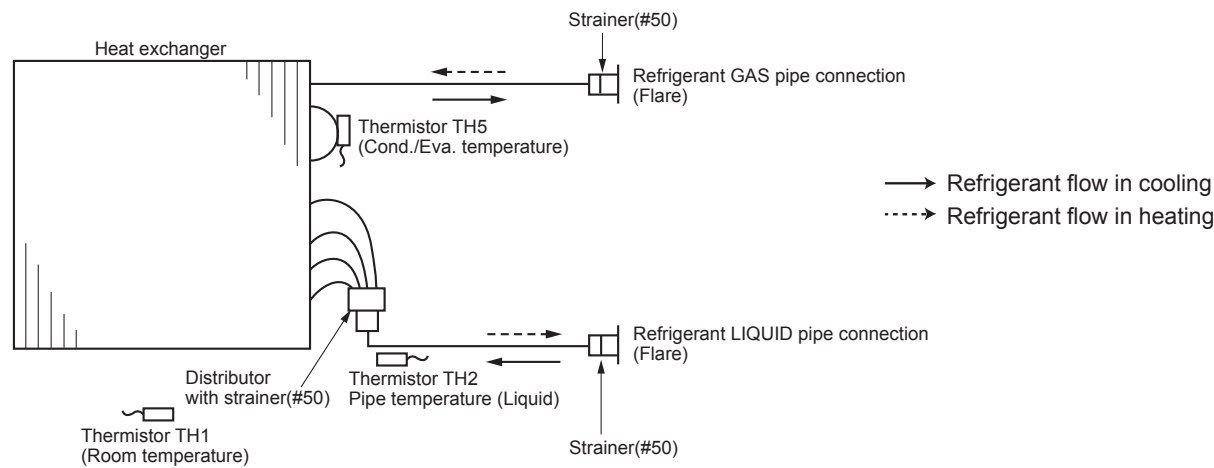
MODELS	SW2	MODELS	SW2
KF25VA2	ON OFF 1 2 3 4 5	KF50VA2	ON OFF 1 2 3 4 5
KF35VA2	ON OFF 1 2 3 4 5	KF60VA2	ON OFF 1 2 3 4 5

The black square (■) indicates a switch position.

- NOTES:
- Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
 - Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
 - Symbols used in wiring diagram are,
 :Connector, :Terminal (block)
 - For details on how to operate self-diagnosis refer to the technical manuals etc.

B.1.4 REFRIGERANT SYSTEM DIAGRAM

SLZ-KF25VA2
SLZ-KF35VA2
SLZ-KF50VA2
SLZ-KF60VA2



600~600
CEILING
CASSETTE

REFRIGERANT SYSTEM DIAGRAM

B.1.5 PERFORMANCE DATA

COOLING operation at Rated frequency

SLZ-KF25VA2/ SUZ-KA25VA5

CAPACITY : 2.6(kW) INPUT : 684(W) SHF : 0.78

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.06	1.83	0.60	547	2.93	1.76	0.60	575	2.81	1.68	0.60	602	2.70	1.62	0.60	629
21	20	3.19	1.53	0.48	575	3.06	1.47	0.48	609	2.96	1.42	0.48	622	2.86	1.37	0.48	650
22	18	3.06	1.96	0.64	547	2.93	1.87	0.64	575	2.81	1.80	0.64	602	2.70	1.73	0.64	629
22	20	3.19	1.66	0.52	575	3.06	1.59	0.52	609	2.96	1.54	0.52	622	2.86	1.49	0.52	650
22	22	3.32	1.33	0.40	595	3.20	1.28	0.40	633	3.12	1.25	0.40	650	2.99	1.20	0.40	677
23	18	3.06	2.08	0.68	547	2.93	1.99	0.68	575	2.81	1.91	0.68	602	2.70	1.84	0.68	629
23	20	3.19	1.78	0.56	575	3.06	1.71	0.56	609	2.96	1.66	0.56	622	2.86	1.60	0.56	650
23	22	3.32	1.46	0.44	595	3.20	1.41	0.44	633	3.12	1.37	0.44	650	2.99	1.32	0.44	677
24	18	3.06	2.20	0.72	547	2.93	2.11	0.72	575	2.81	2.02	0.72	602	2.70	1.95	0.72	629
24	20	3.19	1.91	0.60	575	3.06	1.83	0.60	609	2.96	1.78	0.60	622	2.86	1.72	0.60	650
24	22	3.32	1.59	0.48	595	3.20	1.54	0.48	633	3.12	1.50	0.48	650	2.99	1.44	0.48	677
24	24	3.48	1.25	0.36	622	3.35	1.21	0.36	657	3.28	1.18	0.36	677	3.17	1.14	0.36	711
25	20	3.19	2.04	0.64	575	3.06	1.96	0.64	609	2.96	1.90	0.64	622	2.86	1.83	0.64	650
25	22	3.32	1.72	0.52	595	3.20	1.66	0.52	633	3.12	1.62	0.52	650	2.99	1.55	0.52	677
25	24	3.48	1.39	0.40	622	3.35	1.34	0.40	657	3.28	1.31	0.40	677	3.17	1.27	0.40	711
26	18	3.06	2.44	0.80	547	2.93	2.34	0.80	575	2.81	2.25	0.80	602	2.70	2.16	0.80	629
26	20	3.19	2.17	0.68	575	3.06	2.08	0.68	609	2.96	2.02	0.68	622	2.86	1.94	0.68	650
26	22	3.32	1.86	0.56	595	3.20	1.79	0.56	633	3.12	1.75	0.56	650	2.99	1.67	0.56	677
26	24	3.48	1.53	0.44	622	3.35	1.48	0.44	657	3.28	1.44	0.44	677	3.17	1.40	0.44	711
26	26	3.59	1.15	0.32	657	3.48	1.11	0.32	691	3.43	1.10	0.32	711	3.33	1.06	0.32	732
27	18	3.06	2.57	0.84	547	2.93	2.46	0.84	575	2.81	2.36	0.84	602	2.70	2.27	0.84	629
27	20	3.19	2.29	0.72	575	3.06	2.20	0.72	609	2.96	2.13	0.72	622	2.86	2.06	0.72	650
27	22	3.32	1.99	0.60	595	3.20	1.92	0.60	633	3.12	1.87	0.60	650	2.99	1.79	0.60	677
27	24	3.48	1.67	0.48	622	3.35	1.61	0.48	657	3.28	1.57	0.48	677	3.17	1.52	0.48	711
27	26	3.59	1.29	0.36	657	3.48	1.25	0.36	691	3.43	1.24	0.36	711	3.33	1.20	0.36	732
28	18	3.06	2.69	0.88	547	2.93	2.57	0.88	575	2.81	2.47	0.88	602	2.70	2.38	0.88	629
28	20	3.19	2.42	0.76	575	3.06	2.32	0.76	609	2.96	2.25	0.76	622	2.86	2.17	0.76	650
28	22	3.32	2.12	0.64	595	3.20	2.05	0.64	633	3.12	2.00	0.64	650	2.99	1.91	0.64	677
28	24	3.48	1.81	0.52	622	3.35	1.74	0.52	657	3.28	1.70	0.52	677	3.17	1.65	0.52	711
28	26	3.59	1.44	0.40	657	3.48	1.39	0.40	691	3.43	1.37	0.40	711	3.33	1.33	0.40	732
29	18	3.06	2.81	0.92	547	2.93	2.69	0.92	575	2.81	2.58	0.92	602	2.70	2.49	0.92	629
29	20	3.19	2.55	0.80	575	3.06	2.44	0.80	609	2.96	2.37	0.80	622	2.86	2.29	0.80	650
29	22	3.32	2.25	0.68	595	3.20	2.17	0.68	633	3.12	2.12	0.68	650	2.99	2.03	0.68	677
29	24	3.48	1.95	0.56	622	3.35	1.88	0.56	657	3.28	1.83	0.56	677	3.17	1.78	0.56	711
29	26	3.59	1.58	0.44	657	3.48	1.53	0.44	691	3.43	1.51	0.44	711	3.33	1.46	0.44	732
30	18	3.06	2.93	0.96	547	2.93	2.81	0.96	575	2.81	2.70	0.96	602	2.70	2.60	0.96	629
30	20	3.19	2.68	0.84	575	3.06	2.57	0.84	609	2.96	2.49	0.84	622	2.86	2.40	0.84	650
30	22	3.32	2.39	0.72	595	3.20	2.30	0.72	633	3.12	2.25	0.72	650	2.99	2.15	0.72	677
30	24	3.48	2.09	0.60	622	3.35	2.01	0.60	657	3.28	1.97	0.60	677	3.17	1.90	0.60	711
30	26	3.59	1.72	0.48	657	3.48	1.67	0.48	691	3.43	1.65	0.48	711	3.33	1.60	0.48	732
31	18	3.06	3.06	1.00	547	2.93	2.93	1.00	575	2.81	2.81	1.00	602	2.70	2.70	1.00	629
31	20	3.19	2.80	0.88	575	3.06	2.69	0.88	609	2.96	2.61	0.88	622	2.86	2.52	0.88	650
31	22	3.32	2.52	0.76	595	3.20	2.43	0.76	633	3.12	2.37	0.76	650	2.99	2.27	0.76	677
31	24	3.48	2.23	0.64	622	3.35	2.15	0.64	657	3.28	2.10	0.64	677	3.17	2.03	0.64	711
31	26	3.59	1.87	0.52	657	3.48	1.81	0.52	691	3.43	1.78	0.52	711	3.33	1.73	0.52	732
32	18	3.06	3.06	1.00	547	2.93	2.93	1.00	575	2.81	2.81	1.00	602	2.70	2.70	1.00	629
32	20	3.19	2.93	0.92	575	3.06	2.81	0.92	609	2.96	2.73	0.92	622	2.86	2.63	0.92	650
32	22	3.32	2.65	0.80	595	3.20	2.56	0.80	633	3.12	2.50	0.80	650	2.99	2.39	0.80	677
32	24	3.48	2.37	0.68	622	3.35	2.28	0.68	657	3.28	2.23	0.68	677	3.17	2.16	0.68	711
32	26	3.59	2.01	0.56	657	3.48	1.95	0.56	691	3.43	1.92	0.56	711	3.33	1.86	0.56	732

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
INPUT : Total power input (W)

D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency

SLZ-KF25VA2/ SUZ-KA25VA5

CAPACITY : 2.6(kW) INPUT : 684(W) SHF : 0.78

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.55	1.53	0.60	670	2.34	1.40	0.60	711	2.16	1.29	0.60	739
21	20	2.68	1.29	0.48	698	2.50	1.20	0.48	732	2.31	1.11	0.48	773
22	18	2.55	1.63	0.64	670	2.34	1.50	0.64	711	2.16	1.38	0.64	739
22	20	2.68	1.39	0.52	698	2.50	1.30	0.52	732	2.31	1.20	0.52	773
22	22	2.83	1.13	0.40	725	2.65	1.06	0.40	766	2.47	0.99	0.40	793
23	18	2.55	1.73	0.68	670	2.34	1.59	0.68	711	2.16	1.47	0.68	739
23	20	2.68	1.50	0.56	698	2.50	1.40	0.56	732	2.31	1.30	0.56	773
23	22	2.83	1.25	0.44	725	2.65	1.17	0.44	766	2.47	1.09	0.44	793
24	18	2.55	1.83	0.72	670	2.34	1.68	0.72	711	2.16	1.55	0.72	739
24	20	2.68	1.61	0.60	698	2.50	1.50	0.60	732	2.31	1.39	0.60	773
24	22	2.83	1.36	0.48	725	2.65	1.27	0.48	766	2.47	1.19	0.48	793
24	24	2.99	1.08	0.36	752	2.81	1.01	0.36	787	2.65	0.95	0.36	821
25	20	2.68	1.71	0.64	698	2.50	1.60	0.64	732	2.31	1.48	0.64	773
25	22	2.83	1.47	0.52	725	2.65	1.38	0.52	766	2.47	1.28	0.52	793
25	24	2.99	1.20	0.40	752	2.81	1.12	0.40	787	2.65	1.06	0.40	821
26	18	2.55	2.04	0.80	670	2.34	1.87	0.80	711	2.16	1.73	0.80	739
26	20	2.68	1.82	0.68	698	2.50	1.70	0.68	732	2.31	1.57	0.68	773
26	22	2.83	1.59	0.56	725	2.65	1.49	0.56	766	2.47	1.38	0.56	793
26	24	2.99	1.32	0.44	752	2.81	1.24	0.44	787	2.65	1.17	0.44	821
26	26	3.15	1.01	0.32	780	2.96	0.95	0.32	814	2.78	0.89	0.32	848
27	18	2.55	2.14	0.84	670	2.34	1.97	0.84	711	2.16	1.81	0.84	739
27	20	2.68	1.93	0.72	698	2.50	1.80	0.72	732	2.31	1.67	0.72	773
27	22	2.83	1.70	0.60	725	2.65	1.59	0.60	766	2.47	1.48	0.60	793
27	24	2.99	1.44	0.48	752	2.81	1.35	0.48	787	2.65	1.27	0.48	821
27	26	3.15	1.13	0.36	780	2.96	1.07	0.36	814	2.78	1.00	0.36	848
28	18	2.55	2.24	0.88	670	2.34	2.06	0.88	711	2.16	1.90	0.88	739
28	20	2.68	2.04	0.76	698	2.50	1.90	0.76	732	2.31	1.76	0.76	773
28	22	2.83	1.81	0.64	725	2.65	1.70	0.64	766	2.47	1.58	0.64	793
28	24	2.99	1.55	0.52	752	2.81	1.46	0.52	787	2.65	1.38	0.52	821
28	26	3.15	1.26	0.40	780	2.96	1.19	0.40	814	2.78	1.11	0.40	848
29	18	2.55	2.34	0.92	670	2.34	2.15	0.92	711	2.16	1.99	0.92	739
29	20	2.68	2.14	0.80	698	2.50	2.00	0.80	732	2.31	1.85	0.80	773
29	22	2.83	1.93	0.68	725	2.65	1.80	0.68	766	2.47	1.68	0.68	793
29	24	2.99	1.67	0.56	752	2.81	1.57	0.56	787	2.65	1.49	0.56	821
29	26	3.15	1.38	0.44	780	2.96	1.30	0.44	814	2.78	1.22	0.44	848
30	18	2.55	2.45	0.96	670	2.34	2.25	0.96	711	2.16	2.07	0.96	739
30	20	2.68	2.25	0.84	698	2.50	2.10	0.84	732	2.31	1.94	0.84	773
30	22	2.83	2.04	0.72	725	2.65	1.91	0.72	766	2.47	1.78	0.72	793
30	24	2.99	1.79	0.60	752	2.81	1.68	0.60	787	2.65	1.59	0.60	821
30	26	3.15	1.51	0.48	780	2.96	1.42	0.48	814	2.78	1.34	0.48	848
31	18	2.55	2.55	1.00	670	2.34	2.34	1.00	711	2.16	2.16	1.00	739
31	20	2.68	2.36	0.88	698	2.50	2.20	0.88	732	2.31	2.04	0.88	773
31	22	2.83	2.15	0.76	725	2.65	2.02	0.76	766	2.47	1.88	0.76	793
31	24	2.99	1.91	0.64	752	2.81	1.80	0.64	787	2.65	1.70	0.64	821
31	26	3.15	1.64	0.52	780	2.96	1.54	0.52	814	2.78	1.45	0.52	848
32	18	2.55	2.55	1.00	670	2.34	2.34	1.00	711	2.16	2.16	1.00	739
32	20	2.68	2.46	0.92	698	2.50	2.30	0.92	732	2.31	2.13	0.92	773
32	22	2.83	2.27	0.80	725	2.65	2.12	0.80	766	2.47	1.98	0.80	793
32	24	2.99	2.03	0.68	752	2.81	1.91	0.68	787	2.65	1.80	0.68	821
32	26	3.15	1.76	0.56	780	2.96	1.66	0.56	814	2.78	1.56	0.56	848

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
INPUT : Total power input (W)

D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency

SLZ-KF35VA2/ SUZ-KA35VA5

CAPACITY : 3.5(kW) INPUT : 972(W) SHF : 0.72

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.11	2.22	0.54	778	3.94	2.13	0.54	816	3.78	2.04	0.54	855	3.64	1.97	0.54	894
21	20	4.29	1.80	0.42	816	4.11	1.73	0.42	865	3.99	1.68	0.42	885	3.85	1.62	0.42	923
22	18	4.11	2.39	0.58	778	3.94	2.28	0.58	816	3.78	2.19	0.58	855	3.64	2.11	0.58	894
22	20	4.29	1.97	0.46	816	4.11	1.89	0.46	865	3.99	1.84	0.46	885	3.85	1.77	0.46	923
22	22	4.46	1.52	0.34	846	4.31	1.46	0.34	899	4.20	1.43	0.34	923	4.03	1.37	0.34	962
23	18	4.11	2.55	0.62	778	3.94	2.44	0.62	816	3.78	2.34	0.62	855	3.64	2.26	0.62	894
23	20	4.29	2.14	0.50	816	4.11	2.06	0.50	865	3.99	2.00	0.50	885	3.85	1.93	0.50	923
23	22	4.46	1.70	0.38	846	4.31	1.64	0.38	899	4.20	1.60	0.38	923	4.03	1.53	0.38	962
24	18	4.11	2.71	0.66	778	3.94	2.60	0.66	816	3.78	2.49	0.66	855	3.64	2.40	0.66	894
24	20	4.29	2.32	0.54	816	4.11	2.22	0.54	865	3.99	2.15	0.54	885	3.85	2.08	0.54	923
24	22	4.46	1.87	0.42	846	4.31	1.81	0.42	899	4.20	1.76	0.42	923	4.03	1.69	0.42	962
24	24	4.69	1.41	0.30	885	4.52	1.35	0.30	933	4.41	1.32	0.30	962	4.27	1.28	0.30	1011
25	20	4.29	2.49	0.58	816	4.11	2.39	0.58	865	3.99	2.31	0.58	885	3.85	2.23	0.58	923
25	22	4.46	2.05	0.46	846	4.31	1.98	0.46	899	4.20	1.93	0.46	923	4.03	1.85	0.46	962
25	24	4.69	1.59	0.34	885	4.52	1.54	0.34	933	4.41	1.50	0.34	962	4.27	1.45	0.34	1011
26	18	4.11	3.04	0.74	778	3.94	2.91	0.74	816	3.78	2.80	0.74	855	3.64	2.69	0.74	894
26	20	4.29	2.66	0.62	816	4.11	2.55	0.62	865	3.99	2.47	0.62	885	3.85	2.39	0.62	923
26	22	4.46	2.23	0.50	846	4.31	2.15	0.50	899	4.20	2.10	0.50	923	4.03	2.01	0.50	962
26	24	4.69	1.78	0.38	885	4.52	1.72	0.38	933	4.41	1.68	0.38	962	4.27	1.62	0.38	1011
26	26	4.83	1.26	0.26	933	4.69	1.22	0.26	982	4.62	1.20	0.26	1011	4.48	1.16	0.26	1040
27	18	4.11	3.21	0.78	778	3.94	3.07	0.78	816	3.78	2.95	0.78	855	3.64	2.84	0.78	894
27	20	4.29	2.83	0.66	816	4.11	2.71	0.66	865	3.99	2.63	0.66	885	3.85	2.54	0.66	923
27	22	4.46	2.41	0.54	846	4.31	2.32	0.54	899	4.20	2.27	0.54	923	4.03	2.17	0.54	962
27	24	4.69	1.97	0.42	885	4.52	1.90	0.42	933	4.41	1.85	0.42	962	4.27	1.79	0.42	1011
27	26	4.83	1.45	0.30	933	4.69	1.41	0.30	982	4.62	1.39	0.30	1011	4.48	1.34	0.30	1040
28	18	4.11	3.37	0.82	778	3.94	3.23	0.82	816	3.78	3.10	0.82	855	3.64	2.98	0.82	894
28	20	4.29	3.00	0.70	816	4.11	2.88	0.70	865	3.99	2.79	0.70	885	3.85	2.70	0.70	923
28	22	4.46	2.59	0.58	846	4.31	2.50	0.58	899	4.20	2.44	0.58	923	4.03	2.33	0.58	962
28	24	4.69	2.16	0.46	885	4.52	2.08	0.46	933	4.41	2.03	0.46	962	4.27	1.96	0.46	1011
28	26	4.83	1.64	0.34	933	4.69	1.59	0.34	982	4.62	1.57	0.34	1011	4.48	1.52	0.34	1040
29	18	4.11	3.54	0.86	778	3.94	3.39	0.86	816	3.78	3.25	0.86	855	3.64	3.13	0.86	894
29	20	4.29	3.17	0.74	816	4.11	3.04	0.74	865	3.99	2.95	0.74	885	3.85	2.85	0.74	923
29	22	4.46	2.77	0.62	846	4.31	2.67	0.62	899	4.20	2.60	0.62	923	4.03	2.50	0.62	962
29	24	4.69	2.35	0.50	885	4.52	2.26	0.50	933	4.41	2.21	0.50	962	4.27	2.14	0.50	1011
29	26	4.83	1.84	0.38	933	4.69	1.78	0.38	982	4.62	1.76	0.38	1011	4.48	1.70	0.38	1040
30	18	4.11	3.70	0.90	778	3.94	3.54	0.90	816	3.78	3.40	0.90	855	3.64	3.28	0.90	894
30	20	4.29	3.34	0.78	816	4.11	3.21	0.78	865	3.99	3.11	0.78	885	3.85	3.00	0.78	923
30	22	4.46	2.95	0.66	846	4.31	2.84	0.66	899	4.20	2.77	0.66	923	4.03	2.66	0.66	962
30	24	4.69	2.53	0.54	885	4.52	2.44	0.54	933	4.41	2.38	0.54	962	4.27	2.31	0.54	1011
30	26	4.83	2.03	0.42	933	4.69	1.97	0.42	982	4.62	1.94	0.42	1011	4.48	1.88	0.42	1040
31	18	4.11	3.87	0.94	778	3.94	3.70	0.94	816	3.78	3.55	0.94	855	3.64	3.42	0.94	894
31	20	4.29	3.52	0.82	816	4.11	3.37	0.82	865	3.99	3.27	0.82	885	3.85	3.16	0.82	923
31	22	4.46	3.12	0.70	846	4.31	3.01	0.70	899	4.20	2.94	0.70	923	4.03	2.82	0.70	962
31	24	4.69	2.72	0.58	885	4.52	2.62	0.58	933	4.41	2.56	0.58	962	4.27	2.48	0.58	1011
31	26	4.83	2.22	0.46	933	4.69	2.16	0.46	982	4.62	2.13	0.46	1011	4.48	2.06	0.46	1040
32	18	4.11	4.03	0.98	778	3.94	3.86	0.98	816	3.78	3.70	0.98	855	3.64	3.57	0.98	894
32	20	4.29	3.69	0.86	816	4.11	3.54	0.86	865	3.99	3.43	0.86	885	3.85	3.31	0.86	923
32	22	4.46	3.30	0.74	846	4.31	3.19	0.74	899	4.20	3.11	0.74	923	4.03	2.98	0.74	962
32	24	4.69	2.91	0.62	885	4.52	2.80	0.62	933	4.41	2.73	0.62	962	4.27	2.65	0.62	1011
32	26	4.83	2.42	0.50	933	4.69	2.35	0.50	982	4.62	2.31	0.50	1011	4.48	2.24	0.50	1040

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
INPUT : Total power input (W)

D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency

SLZ-KF35VA2/ SUZ-KA35VA5

CAPACITY : 3.5(kW) INPUT : 972(W) SHF : 0.72

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.43	1.85	0.54	953	3.15	1.70	0.54	1011	2.91	1.57	0.54	1050
21	20	3.61	1.51	0.42	991	3.36	1.41	0.42	1040	3.12	1.31	0.42	1098
22	18	3.43	1.99	0.58	953	3.15	1.83	0.58	1011	2.91	1.68	0.58	1050
22	20	3.61	1.66	0.46	991	3.36	1.55	0.46	1040	3.12	1.43	0.46	1098
22	22	3.82	1.30	0.34	1030	3.57	1.21	0.34	1089	3.33	1.13	0.34	1128
23	18	3.43	2.13	0.62	953	3.15	1.95	0.62	1011	2.91	1.80	0.62	1050
23	20	3.61	1.80	0.50	991	3.36	1.68	0.50	1040	3.12	1.56	0.50	1098
23	22	3.82	1.45	0.38	1030	3.57	1.36	0.38	1089	3.33	1.26	0.38	1128
24	18	3.43	2.26	0.66	953	3.15	2.08	0.66	1011	2.91	1.92	0.66	1050
24	20	3.61	1.95	0.54	991	3.36	1.81	0.54	1040	3.12	1.68	0.54	1098
24	22	3.82	1.60	0.42	1030	3.57	1.50	0.42	1089	3.33	1.40	0.42	1128
24	24	4.03	1.21	0.30	1069	3.78	1.13	0.30	1118	3.57	1.07	0.30	1166
25	20	3.61	2.09	0.58	991	3.36	1.95	0.58	1040	3.12	1.81	0.58	1098
25	22	3.82	1.75	0.46	1030	3.57	1.64	0.46	1089	3.33	1.53	0.46	1128
25	24	4.03	1.37	0.34	1069	3.78	1.29	0.34	1118	3.57	1.21	0.34	1166
26	18	3.43	2.54	0.74	953	3.15	2.33	0.74	1011	2.91	2.15	0.74	1050
26	20	3.61	2.24	0.62	991	3.36	2.08	0.62	1040	3.12	1.93	0.62	1098
26	22	3.82	1.91	0.50	1030	3.57	1.79	0.50	1089	3.33	1.66	0.50	1128
26	24	4.03	1.53	0.38	1069	3.78	1.44	0.38	1118	3.57	1.36	0.38	1166
26	26	4.24	1.10	0.26	1108	3.99	1.04	0.26	1157	3.75	0.97	0.26	1205
27	18	3.43	2.68	0.78	953	3.15	2.46	0.78	1011	2.91	2.27	0.78	1050
27	20	3.61	2.38	0.66	991	3.36	2.22	0.66	1040	3.12	2.06	0.66	1098
27	22	3.82	2.06	0.54	1030	3.57	1.93	0.54	1089	3.33	1.80	0.54	1128
27	24	4.03	1.69	0.42	1069	3.78	1.59	0.42	1118	3.57	1.50	0.42	1166
27	26	4.24	1.27	0.30	1108	3.99	1.20	0.30	1157	3.75	1.12	0.30	1205
28	18	3.43	2.81	0.82	953	3.15	2.58	0.82	1011	2.91	2.38	0.82	1050
28	20	3.61	2.52	0.70	991	3.36	2.35	0.70	1040	3.12	2.18	0.70	1098
28	22	3.82	2.21	0.58	1030	3.57	2.07	0.58	1089	3.33	1.93	0.58	1128
28	24	4.03	1.85	0.46	1069	3.78	1.74	0.46	1118	3.57	1.64	0.46	1166
28	26	4.24	1.44	0.34	1108	3.99	1.36	0.34	1157	3.75	1.27	0.34	1205
29	18	3.43	2.95	0.86	953	3.15	2.71	0.86	1011	2.91	2.50	0.86	1050
29	20	3.61	2.67	0.74	991	3.36	2.49	0.74	1040	3.12	2.31	0.74	1098
29	22	3.82	2.37	0.62	1030	3.57	2.21	0.62	1089	3.33	2.06	0.62	1128
29	24	4.03	2.01	0.50	1069	3.78	1.89	0.50	1118	3.57	1.79	0.50	1166
29	26	4.24	1.61	0.38	1108	3.99	1.52	0.38	1157	3.75	1.42	0.38	1205
30	18	3.43	3.09	0.90	953	3.15	2.84	0.90	1011	2.91	2.61	0.90	1050
30	20	3.61	2.81	0.78	991	3.36	2.62	0.78	1040	3.12	2.43	0.78	1098
30	22	3.82	2.52	0.66	1030	3.57	2.36	0.66	1089	3.33	2.19	0.66	1128
30	24	4.03	2.17	0.54	1069	3.78	2.04	0.54	1118	3.57	1.93	0.54	1166
30	26	4.24	1.78	0.42	1108	3.99	1.68	0.42	1157	3.75	1.57	0.42	1205
31	18	3.43	3.22	0.94	953	3.15	2.96	0.94	1011	2.91	2.73	0.94	1050
31	20	3.61	2.96	0.82	991	3.36	2.76	0.82	1040	3.12	2.55	0.82	1098
31	22	3.82	2.67	0.70	1030	3.57	2.50	0.70	1089	3.33	2.33	0.70	1128
31	24	4.03	2.33	0.58	1069	3.78	2.19	0.58	1118	3.57	2.07	0.58	1166
31	26	4.24	1.95	0.46	1108	3.99	1.84	0.46	1157	3.75	1.72	0.46	1205
32	18	3.43	3.36	0.98	953	3.15	3.09	0.98	1011	2.91	2.85	0.98	1050
32	20	3.61	3.10	0.86	991	3.36	2.89	0.86	1040	3.12	2.68	0.86	1098
32	22	3.82	2.82	0.74	1030	3.57	2.64	0.74	1089	3.33	2.46	0.74	1128
32	24	4.03	2.50	0.62	1069	3.78	2.34	0.62	1118	3.57	2.21	0.62	1166
32	26	4.24	2.12	0.50	1108	3.99	2.00	0.50	1157	3.75	1.87	0.50	1205

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
INPUT : Total power input (W)

D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency

SLZ-KF50VA2/ SUZ-KA50VA5

CAPACITY : 4.6(kW) INPUT :1,394(W) SHF : 0.68

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.41	2.70	0.50	1115	5.18	2.59	0.50	1171	4.97	2.48	0.50	1227	4.78	2.39	0.50	1282
21	20	5.64	2.14	0.38	1171	5.41	2.05	0.38	1241	5.24	1.99	0.38	1269	5.06	1.92	0.38	1324
22	18	5.41	2.92	0.54	1115	5.18	2.79	0.54	1171	4.97	2.68	0.54	1227	4.78	2.58	0.54	1282
22	20	5.64	2.37	0.42	1171	5.41	2.27	0.42	1241	5.24	2.20	0.42	1269	5.06	2.13	0.42	1324
22	22	5.87	1.76	0.30	1213	5.66	1.70	0.30	1289	5.52	1.66	0.30	1324	5.29	1.59	0.30	1380
23	18	5.41	3.13	0.58	1115	5.18	3.00	0.58	1171	4.97	2.88	0.58	1227	4.78	2.77	0.58	1282
23	20	5.64	2.59	0.46	1171	5.41	2.49	0.46	1241	5.24	2.41	0.46	1269	5.06	2.33	0.46	1324
23	22	5.87	1.99	0.34	1213	5.66	1.92	0.34	1289	5.52	1.88	0.34	1324	5.29	1.80	0.34	1380
24	18	5.41	3.35	0.62	1115	5.18	3.21	0.62	1171	4.97	3.08	0.62	1227	4.78	2.97	0.62	1282
24	20	5.64	2.82	0.50	1171	5.41	2.70	0.50	1241	5.24	2.62	0.50	1269	5.06	2.53	0.50	1324
24	22	5.87	2.23	0.38	1213	5.66	2.15	0.38	1289	5.52	2.10	0.38	1324	5.29	2.01	0.38	1380
24	24	6.16	1.60	0.26	1269	5.93	1.54	0.26	1338	5.80	1.51	0.26	1380	5.61	1.46	0.26	1450
25	20	5.64	3.04	0.54	1171	5.41	2.92	0.54	1241	5.24	2.83	0.54	1269	5.06	2.73	0.54	1324
25	22	5.87	2.46	0.42	1213	5.66	2.38	0.42	1289	5.52	2.32	0.42	1324	5.29	2.22	0.42	1380
25	24	6.16	1.85	0.30	1269	5.93	1.78	0.30	1338	5.80	1.74	0.30	1380	5.61	1.68	0.30	1450
26	18	5.41	3.78	0.70	1115	5.18	3.62	0.70	1171	4.97	3.48	0.70	1227	4.78	3.35	0.70	1282
26	20	5.64	3.27	0.58	1171	5.41	3.13	0.58	1241	5.24	3.04	0.58	1269	5.06	2.93	0.58	1324
26	22	5.87	2.70	0.46	1213	5.66	2.60	0.46	1289	5.52	2.54	0.46	1324	5.29	2.43	0.46	1380
26	24	6.16	2.10	0.34	1269	5.93	2.02	0.34	1338	5.80	1.97	0.34	1380	5.61	1.91	0.34	1450
26	26	6.35	1.40	0.22	1338	6.16	1.36	0.22	1408	6.07	1.34	0.22	1450	5.89	1.30	0.22	1492
27	18	5.41	4.00	0.74	1115	5.18	3.83	0.74	1171	4.97	3.68	0.74	1227	4.78	3.54	0.74	1282
27	20	5.64	3.49	0.62	1171	5.41	3.35	0.62	1241	5.24	3.25	0.62	1269	5.06	3.14	0.62	1324
27	22	5.87	2.93	0.50	1213	5.66	2.83	0.50	1289	5.52	2.76	0.50	1324	5.29	2.65	0.50	1380
27	24	6.16	2.34	0.38	1269	5.93	2.25	0.38	1338	5.80	2.20	0.38	1380	5.61	2.13	0.38	1450
27	26	6.35	1.65	0.26	1338	6.16	1.60	0.26	1408	6.07	1.58	0.26	1450	5.89	1.53	0.26	1492
28	18	5.41	4.22	0.78	1115	5.18	4.04	0.78	1171	4.97	3.88	0.78	1227	4.78	3.73	0.78	1282
28	20	5.64	3.72	0.66	1171	5.41	3.57	0.66	1241	5.24	3.46	0.66	1269	5.06	3.34	0.66	1324
28	22	5.87	3.17	0.54	1213	5.66	3.06	0.54	1289	5.52	2.98	0.54	1324	5.29	2.86	0.54	1380
28	24	6.16	2.59	0.42	1269	5.93	2.49	0.42	1338	5.80	2.43	0.42	1380	5.61	2.36	0.42	1450
28	26	6.35	1.90	0.30	1338	6.16	1.85	0.30	1408	6.07	1.82	0.30	1450	5.89	1.77	0.30	1492
29	18	5.41	4.43	0.82	1115	5.18	4.24	0.82	1171	4.97	4.07	0.82	1227	4.78	3.92	0.82	1282
29	20	5.64	3.94	0.70	1171	5.41	3.78	0.70	1241	5.24	3.67	0.70	1269	5.06	3.54	0.70	1324
29	22	5.87	3.40	0.58	1213	5.66	3.28	0.58	1289	5.52	3.20	0.58	1324	5.29	3.07	0.58	1380
29	24	6.16	2.84	0.46	1269	5.93	2.73	0.46	1338	5.80	2.67	0.46	1380	5.61	2.58	0.46	1450
29	26	6.35	2.16	0.34	1338	6.16	2.10	0.34	1408	6.07	2.06	0.34	1450	5.89	2.00	0.34	1492
30	18	5.41	4.65	0.86	1115	5.18	4.45	0.86	1171	4.97	4.27	0.86	1227	4.78	4.11	0.86	1282
30	20	5.64	4.17	0.74	1171	5.41	4.00	0.74	1241	5.24	3.88	0.74	1269	5.06	3.74	0.74	1324
30	22	5.87	3.64	0.62	1213	5.66	3.51	0.62	1289	5.52	3.42	0.62	1324	5.29	3.28	0.62	1380
30	24	6.16	3.08	0.50	1269	5.93	2.97	0.50	1338	5.80	2.90	0.50	1380	5.61	2.81	0.50	1450
30	26	6.35	2.41	0.38	1338	6.16	2.34	0.38	1408	6.07	2.31	0.38	1450	5.89	2.24	0.38	1492
31	18	5.41	4.86	0.90	1115	5.18	4.66	0.90	1171	4.97	4.47	0.90	1227	4.78	4.31	0.90	1282
31	20	5.64	4.40	0.78	1171	5.41	4.22	0.78	1241	5.24	4.09	0.78	1269	5.06	3.95	0.78	1324
31	22	5.87	3.87	0.66	1213	5.66	3.73	0.66	1289	5.52	3.64	0.66	1324	5.29	3.49	0.66	1380
31	24	6.16	3.33	0.54	1269	5.93	3.20	0.54	1338	5.80	3.13	0.54	1380	5.61	3.03	0.54	1450
31	26	6.35	2.67	0.42	1338	6.16	2.59	0.42	1408	6.07	2.55	0.42	1450	5.89	2.47	0.42	1492
32	18	5.41	5.08	0.94	1115	5.18	4.86	0.94	1171	4.97	4.67	0.94	1227	4.78	4.50	0.94	1282
32	20	5.64	4.62	0.82	1171	5.41	4.43	0.82	1241	5.24	4.30	0.82	1269	5.06	4.15	0.82	1324
32	22	5.87	4.11	0.70	1213	5.66	3.96	0.70	1289	5.52	3.86	0.70	1324	5.29	3.70	0.70	1380
32	24	6.16	3.58	0.58	1269	5.93	3.44	0.58	1338	5.80	3.36	0.58	1380	5.61	3.25	0.58	1450
32	26	6.35	2.92	0.46	1338	6.16	2.84	0.46	1408	6.07	2.79	0.46	1450	5.89	2.71	0.46	1492

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
INPUT : Total power input (W)

D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency**SLZ-KF50VA2/ SUZ-KA50VA5**

CAPACITY : 4.6(kW) INPUT :1,394(W) SHF : 0.68

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.51	2.25	0.50	1366	4.14	2.07	0.50	1450	3.82	1.91	0.50	1506
21	20	4.74	1.80	0.38	1422	4.42	1.68	0.38	1492	4.09	1.56	0.38	1575
22	18	4.51	2.43	0.54	1366	4.14	2.24	0.54	1450	3.82	2.06	0.54	1506
22	20	4.74	1.99	0.42	1422	4.42	1.85	0.42	1492	4.09	1.72	0.42	1575
22	22	5.01	1.50	0.30	1478	4.69	1.41	0.30	1561	4.37	1.31	0.30	1617
23	18	4.51	2.61	0.58	1366	4.14	2.40	0.58	1450	3.82	2.21	0.58	1506
23	20	4.74	2.18	0.46	1422	4.42	2.03	0.46	1492	4.09	1.88	0.46	1575
23	22	5.01	1.70	0.34	1478	4.69	1.60	0.34	1561	4.37	1.49	0.34	1617
24	18	4.51	2.79	0.62	1366	4.14	2.57	0.62	1450	3.82	2.37	0.62	1506
24	20	4.74	2.37	0.50	1422	4.42	2.21	0.50	1492	4.09	2.05	0.50	1575
24	22	5.01	1.91	0.38	1478	4.69	1.78	0.38	1561	4.37	1.66	0.38	1617
24	24	5.29	1.38	0.26	1533	4.97	1.29	0.26	1603	4.69	1.22	0.26	1673
25	20	4.74	2.56	0.54	1422	4.42	2.38	0.54	1492	4.09	2.21	0.54	1575
25	22	5.01	2.11	0.42	1478	4.69	1.97	0.42	1561	4.37	1.84	0.42	1617
25	24	5.29	1.59	0.30	1533	4.97	1.49	0.30	1603	4.69	1.41	0.30	1673
26	18	4.51	3.16	0.70	1366	4.14	2.90	0.70	1450	3.82	2.67	0.70	1506
26	20	4.74	2.75	0.58	1422	4.42	2.56	0.58	1492	4.09	2.37	0.58	1575
26	22	5.01	2.31	0.46	1478	4.69	2.16	0.46	1561	4.37	2.01	0.46	1617
26	24	5.29	1.80	0.34	1533	4.97	1.69	0.34	1603	4.69	1.60	0.34	1673
26	26	5.57	1.22	0.22	1589	5.24	1.15	0.22	1659	4.92	1.08	0.22	1729
27	18	4.51	3.34	0.74	1366	4.14	3.06	0.74	1450	3.82	2.83	0.74	1506
27	20	4.74	2.94	0.62	1422	4.42	2.74	0.62	1492	4.09	2.54	0.62	1575
27	22	5.01	2.51	0.50	1478	4.69	2.35	0.50	1561	4.37	2.19	0.50	1617
27	24	5.29	2.01	0.38	1533	4.97	1.89	0.38	1603	4.69	1.78	0.38	1673
27	26	5.57	1.45	0.26	1589	5.24	1.36	0.26	1659	4.92	1.28	0.26	1729
28	18	4.51	3.52	0.78	1366	4.14	3.23	0.78	1450	3.82	2.98	0.78	1506
28	20	4.74	3.13	0.66	1422	4.42	2.91	0.66	1492	4.09	2.70	0.66	1575
28	22	5.01	2.71	0.54	1478	4.69	2.53	0.54	1561	4.37	2.36	0.54	1617
28	24	5.29	2.22	0.42	1533	4.97	2.09	0.42	1603	4.69	1.97	0.42	1673
28	26	5.57	1.67	0.30	1589	5.24	1.57	0.30	1659	4.92	1.48	0.30	1729
29	18	4.51	3.70	0.82	1366	4.14	3.39	0.82	1450	3.82	3.13	0.82	1506
29	20	4.74	3.32	0.70	1422	4.42	3.09	0.70	1492	4.09	2.87	0.70	1575
29	22	5.01	2.91	0.58	1478	4.69	2.72	0.58	1561	4.37	2.53	0.58	1617
29	24	5.29	2.43	0.46	1533	4.97	2.29	0.46	1603	4.69	2.16	0.46	1673
29	26	5.57	1.89	0.34	1589	5.24	1.78	0.34	1659	4.92	1.67	0.34	1729
30	18	4.51	3.88	0.86	1366	4.14	3.56	0.86	1450	3.82	3.28	0.86	1506
30	20	4.74	3.51	0.74	1422	4.42	3.27	0.74	1492	4.09	3.03	0.74	1575
30	22	5.01	3.11	0.62	1478	4.69	2.91	0.62	1561	4.37	2.71	0.62	1617
30	24	5.29	2.65	0.50	1533	4.97	2.48	0.50	1603	4.69	2.35	0.50	1673
30	26	5.57	2.12	0.38	1589	5.24	1.99	0.38	1659	4.92	1.87	0.38	1729
31	18	4.51	4.06	0.90	1366	4.14	3.73	0.90	1450	3.82	3.44	0.90	1506
31	20	4.74	3.70	0.78	1422	4.42	3.44	0.78	1492	4.09	3.19	0.78	1575
31	22	5.01	3.31	0.66	1478	4.69	3.10	0.66	1561	4.37	2.88	0.66	1617
31	24	5.29	2.86	0.54	1533	4.97	2.68	0.54	1603	4.69	2.53	0.54	1673
31	26	5.57	2.34	0.42	1589	5.24	2.20	0.42	1659	4.92	2.07	0.42	1729
32	18	4.51	4.24	0.94	1366	4.14	3.89	0.94	1450	3.82	3.59	0.94	1506
32	20	4.74	3.89	0.82	1422	4.42	3.62	0.82	1492	4.09	3.36	0.82	1575
32	22	5.01	3.51	0.70	1478	4.69	3.28	0.70	1561	4.37	3.06	0.70	1617
32	24	5.29	3.07	0.58	1533	4.97	2.88	0.58	1603	4.69	2.72	0.58	1673
32	26	5.57	2.56	0.46	1589	5.24	2.41	0.46	1659	4.92	2.26	0.46	1729

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
INPUT : Total power input (W)

D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency

SLZ-KF60VA2/ SUZ-KA60VA5

CAPACITY : 5.6(kW) INPUT :1,767(W) SHF : 0.68

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.58	3.29	0.50	1414	6.30	3.15	0.50	1484	6.05	3.02	0.50	1555	5.82	2.91	0.50	1626
21	20	6.86	2.61	0.38	1484	6.58	2.50	0.38	1573	6.38	2.43	0.38	1608	6.16	2.34	0.38	1679
22	18	6.58	3.55	0.54	1414	6.30	3.40	0.54	1484	6.05	3.27	0.54	1555	5.82	3.14	0.54	1626
22	20	6.86	2.88	0.42	1484	6.58	2.76	0.42	1573	6.38	2.68	0.42	1608	6.16	2.59	0.42	1679
22	22	7.14	2.14	0.30	1537	6.89	2.07	0.30	1634	6.72	2.02	0.30	1679	6.44	1.93	0.30	1749
23	18	6.58	3.82	0.58	1414	6.30	3.65	0.58	1484	6.05	3.51	0.58	1555	5.82	3.38	0.58	1626
23	20	6.86	3.16	0.46	1484	6.58	3.03	0.46	1573	6.38	2.94	0.46	1608	6.16	2.83	0.46	1679
23	22	7.14	2.43	0.34	1537	6.89	2.34	0.34	1634	6.72	2.28	0.34	1679	6.44	2.19	0.34	1749
24	18	6.58	4.08	0.62	1414	6.30	3.91	0.62	1484	6.05	3.75	0.62	1555	5.82	3.61	0.62	1626
24	20	6.86	3.43	0.50	1484	6.58	3.29	0.50	1573	6.38	3.19	0.50	1608	6.16	3.08	0.50	1679
24	22	7.14	2.71	0.38	1537	6.89	2.62	0.38	1634	6.72	2.55	0.38	1679	6.44	2.45	0.38	1749
24	24	7.50	1.95	0.26	1608	7.22	1.88	0.26	1696	7.06	1.83	0.26	1749	6.83	1.78	0.26	1838
25	20	6.86	3.70	0.54	1484	6.58	3.55	0.54	1573	6.38	3.45	0.54	1608	6.16	3.33	0.54	1679
25	22	7.14	3.00	0.42	1537	6.89	2.89	0.42	1634	6.72	2.82	0.42	1679	6.44	2.70	0.42	1749
25	24	7.50	2.25	0.30	1608	7.22	2.17	0.30	1696	7.06	2.12	0.30	1749	6.83	2.05	0.30	1838
26	18	6.58	4.61	0.70	1414	6.30	4.41	0.70	1484	6.05	4.23	0.70	1555	5.82	4.08	0.70	1626
26	20	6.86	3.98	0.58	1484	6.58	3.82	0.58	1573	6.38	3.70	0.58	1608	6.16	3.57	0.58	1679
26	22	7.14	3.28	0.46	1537	6.89	3.17	0.46	1634	6.72	3.09	0.46	1679	6.44	2.96	0.46	1749
26	24	7.50	2.55	0.34	1608	7.22	2.46	0.34	1696	7.06	2.40	0.34	1749	6.83	2.32	0.34	1838
26	26	7.73	1.70	0.22	1696	7.50	1.65	0.22	1785	7.39	1.63	0.22	1838	7.17	1.58	0.22	1891
27	18	6.58	4.87	0.74	1414	6.30	4.66	0.74	1484	6.05	4.48	0.74	1555	5.82	4.31	0.74	1626
27	20	6.86	4.25	0.62	1484	6.58	4.08	0.62	1573	6.38	3.96	0.62	1608	6.16	3.82	0.62	1679
27	22	7.14	3.57	0.50	1537	6.89	3.44	0.50	1634	6.72	3.36	0.50	1679	6.44	3.22	0.50	1749
27	24	7.50	2.85	0.38	1608	7.22	2.75	0.38	1696	7.06	2.68	0.38	1749	6.83	2.60	0.38	1838
27	26	7.73	2.01	0.26	1696	7.50	1.95	0.26	1785	7.39	1.92	0.26	1838	7.17	1.86	0.26	1891
28	18	6.58	5.13	0.78	1414	6.30	4.91	0.78	1484	6.05	4.72	0.78	1555	5.82	4.54	0.78	1626
28	20	6.86	4.53	0.66	1484	6.58	4.34	0.66	1573	6.38	4.21	0.66	1608	6.16	4.07	0.66	1679
28	22	7.14	3.86	0.54	1537	6.89	3.72	0.54	1634	6.72	3.63	0.54	1679	6.44	3.48	0.54	1749
28	24	7.50	3.15	0.42	1608	7.22	3.03	0.42	1696	7.06	2.96	0.42	1749	6.83	2.87	0.42	1838
28	26	7.73	2.32	0.30	1696	7.50	2.25	0.30	1785	7.39	2.22	0.30	1838	7.17	2.15	0.30	1891
29	18	6.58	5.40	0.82	1414	6.30	5.17	0.82	1484	6.05	4.96	0.82	1555	5.82	4.78	0.82	1626
29	20	6.86	4.80	0.70	1484	6.58	4.61	0.70	1573	6.38	4.47	0.70	1608	6.16	4.31	0.70	1679
29	22	7.14	4.14	0.58	1537	6.89	4.00	0.58	1634	6.72	3.90	0.58	1679	6.44	3.74	0.58	1749
29	24	7.50	3.45	0.46	1608	7.22	3.32	0.46	1696	7.06	3.25	0.46	1749	6.83	3.14	0.46	1838
29	26	7.73	2.63	0.34	1696	7.50	2.55	0.34	1785	7.39	2.51	0.34	1838	7.17	2.44	0.34	1891
30	18	6.58	5.66	0.86	1414	6.30	5.42	0.86	1484	6.05	5.20	0.86	1555	5.82	5.01	0.86	1626
30	20	6.86	5.08	0.74	1484	6.58	4.87	0.74	1573	6.38	4.72	0.74	1608	6.16	4.56	0.74	1679
30	22	7.14	4.43	0.62	1537	6.89	4.27	0.62	1634	6.72	4.17	0.62	1679	6.44	3.99	0.62	1749
30	24	7.50	3.75	0.50	1608	7.22	3.61	0.50	1696	7.06	3.53	0.50	1749	6.83	3.42	0.50	1838
30	26	7.73	2.94	0.38	1696	7.50	2.85	0.38	1785	7.39	2.81	0.38	1838	7.17	2.72	0.38	1891
31	18	6.58	5.92	0.90	1414	6.30	5.67	0.90	1484	6.05	5.44	0.90	1555	5.82	5.24	0.90	1626
31	20	6.86	5.35	0.78	1484	6.58	5.13	0.78	1573	6.38	4.98	0.78	1608	6.16	4.80	0.78	1679
31	22	7.14	4.71	0.66	1537	6.89	4.55	0.66	1634	6.72	4.44	0.66	1679	6.44	4.25	0.66	1749
31	24	7.50	4.05	0.54	1608	7.22	3.90	0.54	1696	7.06	3.81	0.54	1749	6.83	3.69	0.54	1838
31	26	7.73	3.25	0.42	1696	7.50	3.15	0.42	1785	7.39	3.10	0.42	1838	7.17	3.01	0.42	1891
32	18	6.58	6.19	0.94	1414	6.30	5.92	0.94	1484	6.05	5.69	0.94	1555	5.82	5.47	0.94	1626
32	20	6.86	5.63	0.82	1484	6.58	5.40	0.82	1573	6.38	5.23	0.82	1608	6.16	5.05	0.82	1679
32	22	7.14	5.00	0.70	1537	6.89	4.82	0.70	1634	6.72	4.70	0.70	1679	6.44	4.51	0.70	1749
32	24	7.50	4.35	0.58	1608	7.22	4.19	0.58	1696	7.06	4.09	0.58	1749	6.83	3.96	0.58	1838
32	26	7.73	3.55	0.46	1696	7.50	3.45	0.46	1785	7.39	3.40	0.46	1838	7.17	3.30	0.46	1891

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
INPUT : Total power input (W)

D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency

SLZ-KF60VA2/ SUZ-KA60VA5

CAPACITY : 5.6(kW) INPUT :1,767(W) SHF : 0.68

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.49	2.74	0.50	1732	5.04	2.52	0.50	1838	4.65	2.32	0.50	1908
21	20	5.77	2.19	0.38	1802	5.38	2.04	0.38	1891	4.98	1.89	0.38	1997
22	18	5.49	2.96	0.54	1732	5.04	2.72	0.54	1838	4.65	2.51	0.54	1908
22	20	5.77	2.42	0.42	1802	5.38	2.26	0.42	1891	4.98	2.09	0.42	1997
22	22	6.10	1.83	0.30	1873	5.71	1.71	0.30	1979	5.32	1.60	0.30	2050
23	18	5.49	3.18	0.58	1732	5.04	2.92	0.58	1838	4.65	2.70	0.58	1908
23	20	5.77	2.65	0.46	1802	5.38	2.47	0.46	1891	4.98	2.29	0.46	1997
23	22	6.10	2.08	0.34	1873	5.71	1.94	0.34	1979	5.32	1.81	0.34	2050
24	18	5.49	3.40	0.62	1732	5.04	3.12	0.62	1838	4.65	2.88	0.62	1908
24	20	5.77	2.88	0.50	1802	5.38	2.69	0.50	1891	4.98	2.49	0.50	1997
24	22	6.10	2.32	0.38	1873	5.71	2.17	0.38	1979	5.32	2.02	0.38	2050
24	24	6.44	1.67	0.26	1944	6.05	1.57	0.26	2032	5.71	1.49	0.26	2120
25	20	5.77	3.11	0.54	1802	5.38	2.90	0.54	1891	4.98	2.69	0.54	1997
25	22	6.10	2.56	0.42	1873	5.71	2.40	0.42	1979	5.32	2.23	0.42	2050
25	24	6.44	1.93	0.30	1944	6.05	1.81	0.30	2032	5.71	1.71	0.30	2120
26	18	5.49	3.84	0.70	1732	5.04	3.53	0.70	1838	4.65	3.25	0.70	1908
26	20	5.77	3.35	0.58	1802	5.38	3.12	0.58	1891	4.98	2.89	0.58	1997
26	22	6.10	2.81	0.46	1873	5.71	2.63	0.46	1979	5.32	2.45	0.46	2050
26	24	6.44	2.19	0.34	1944	6.05	2.06	0.34	2032	5.71	1.94	0.34	2120
26	26	6.78	1.49	0.22	2014	6.38	1.40	0.22	2103	5.99	1.32	0.22	2191
27	18	5.49	4.06	0.74	1732	5.04	3.73	0.74	1838	4.65	3.44	0.74	1908
27	20	5.77	3.58	0.62	1802	5.38	3.33	0.62	1891	4.98	3.09	0.62	1997
27	22	6.10	3.05	0.50	1873	5.71	2.86	0.50	1979	5.32	2.66	0.50	2050
27	24	6.44	2.45	0.38	1944	6.05	2.30	0.38	2032	5.71	2.17	0.38	2120
27	26	6.78	1.76	0.26	2014	6.38	1.66	0.26	2103	5.99	1.56	0.26	2191
28	18	5.49	4.28	0.78	1732	5.04	3.93	0.78	1838	4.65	3.63	0.78	1908
28	20	5.77	3.81	0.66	1802	5.38	3.55	0.66	1891	4.98	3.29	0.66	1997
28	22	6.10	3.30	0.54	1873	5.71	3.08	0.54	1979	5.32	2.87	0.54	2050
28	24	6.44	2.70	0.42	1944	6.05	2.54	0.42	2032	5.71	2.40	0.42	2120
28	26	6.78	2.03	0.30	2014	6.38	1.92	0.30	2103	5.99	1.80	0.30	2191
29	18	5.49	4.50	0.82	1732	5.04	4.13	0.82	1838	4.65	3.81	0.82	1908
29	20	5.77	4.04	0.70	1802	5.38	3.76	0.70	1891	4.98	3.49	0.70	1997
29	22	6.10	3.54	0.58	1873	5.71	3.31	0.58	1979	5.32	3.09	0.58	2050
29	24	6.44	2.96	0.46	1944	6.05	2.78	0.46	2032	5.71	2.63	0.46	2120
29	26	6.78	2.30	0.34	2014	6.38	2.17	0.34	2103	5.99	2.04	0.34	2191
30	18	5.49	4.72	0.86	1732	5.04	4.33	0.86	1838	4.65	4.00	0.86	1908
30	20	5.77	4.27	0.74	1802	5.38	3.98	0.74	1891	4.98	3.69	0.74	1997
30	22	6.10	3.78	0.62	1873	5.71	3.54	0.62	1979	5.32	3.30	0.62	2050
30	24	6.44	3.22	0.50	1944	6.05	3.02	0.50	2032	5.71	2.86	0.50	2120
30	26	6.78	2.57	0.38	2014	6.38	2.43	0.38	2103	5.99	2.28	0.38	2191
31	18	5.49	4.94	0.90	1732	5.04	4.54	0.90	1838	4.65	4.18	0.90	1908
31	20	5.77	4.50	0.78	1802	5.38	4.19	0.78	1891	4.98	3.89	0.78	1997
31	22	6.10	4.03	0.66	1873	5.71	3.77	0.66	1979	5.32	3.51	0.66	2050
31	24	6.44	3.48	0.54	1944	6.05	3.27	0.54	2032	5.71	3.08	0.54	2120
31	26	6.78	2.85	0.42	2014	6.38	2.68	0.42	2103	5.99	2.52	0.42	2191
32	18	5.49	5.16	0.94	1732	5.04	4.74	0.94	1838	4.65	4.37	0.94	1908
32	20	5.77	4.73	0.82	1802	5.38	4.41	0.82	1891	4.98	4.09	0.82	1997
32	22	6.10	4.27	0.70	1873	5.71	4.00	0.70	1979	5.32	3.72	0.70	2050
32	24	6.44	3.74	0.58	1944	6.05	3.51	0.58	2032	5.71	3.31	0.58	2120
32	26	6.78	3.12	0.46	2014	6.38	2.94	0.46	2103	5.99	2.76	0.46	2191

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
INPUT : Total power input (W)

D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

HEATING operation**SLZ-KF25VA2/ SUZ-KA25VA5 at Rated frequency**

CAPACITY : 3.2(kW) INPUT : 886(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	1.60	461	2.02	576	2.43	691	2.85	780	3.26	842	3.68	895	4.06	921	4.48	939
21	1.50	491	1.92	620	2.30	735	2.72	815	3.10	877	3.52	921	3.90	948	4.30	983
26	1.31	532	1.73	665	2.14	780	2.53	859	2.94	921	3.36	966	3.74	992	4.16	1019

SLZ-KF35VA2/ SUZ-KA35VA5 at Rated frequency

CAPACITY : 4.0(kW) INPUT : 1,108(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.00	576	2.52	720	3.04	864	3.56	975	4.08	1053	4.60	1119	5.08	1152	5.60	1174
21	1.88	614	2.40	776	2.88	920	3.40	1019	3.88	1097	4.40	1152	4.88	1186	5.38	1230
26	1.64	665	2.16	831	2.68	975	3.16	1075	3.68	1152	4.20	1208	4.68	1241	5.20	1274

SLZ-KF50VA2/ SUZ-KA50VA5 at Rated frequency

CAPACITY : 5.0(kW) INPUT : 1,558(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.50	834	3.15	1013	3.80	1215	4.45	1371	5.10	1480	5.75	1574	6.35	1620	7.00	1651
21	2.35	888	3.00	1091	3.60	1293	4.25	1433	4.85	1542	5.50	1620	6.10	1667	6.73	1729
26	2.05	961	2.70	1169	3.35	1371	3.95	1511	4.60	1620	5.25	1698	5.85	1745	6.50	1792

SLZ-KF60VA2/ SUZ-KA60VA5 at Rated frequency

CAPACITY : 6.4(kW) INPUT : 2,278(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.20	1219	4.03	1481	4.86	1777	5.70	2005	6.53	2164	7.36	2301	8.13	2369	8.96	2415
21	3.01	1298	3.84	1595	4.61	1891	5.44	2096	6.21	2255	7.04	2369	7.81	2437	8.61	2529
26	2.62	1406	3.46	1709	4.29	2005	5.06	2210	5.89	2369	6.72	2483	7.49	2551	8.32	2620

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)

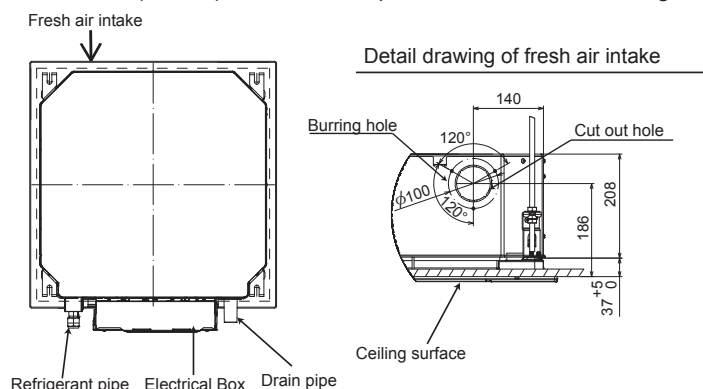
SHF : Sensible heat factor
INPUT : Total power input (W)

D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

B.1.6 4-WAY AIR FLOW SYSTEM

1. FRESH AIR INTAKE (LOCATION FOR INSTALLATION)

At the time of installation, use the duct holes (cut out) located at the positions shown in following diagram, as and when required.



2. FRESH AIR INTAKE AMOUNT & STATIC PRESSURE CHARACTERISTICS

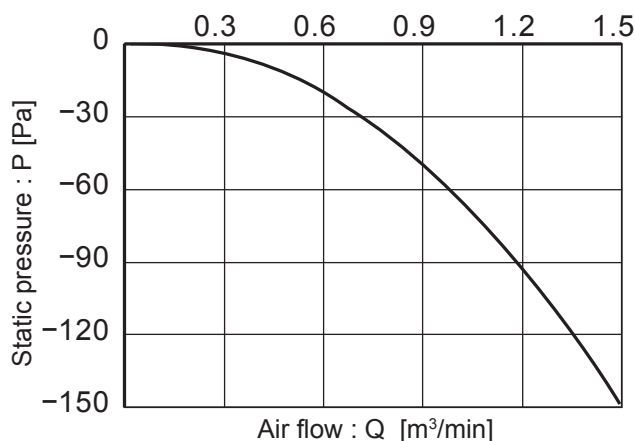
SLZ-KF25VA2

SLZ-KF35VA2

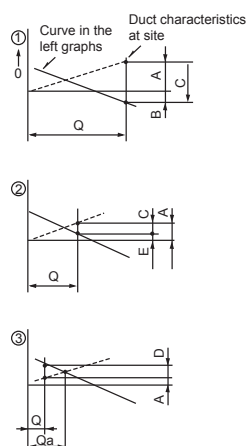
SLZ-KF50VA2

SLZ-KF60VA2

Taking air into the unit



How to read curves



Q...Designed amount of fresh air intake
<m³/min>

A...Static pressure loss of fresh air intake duct system with airflow amount Q <Pa>

B...Forced static pressure at air conditioner inlet with airflow amount Q <Pa>

C...Static pressure of booster fan with airflow amount Q <Pa>

D...Static pressure loss increase amount of fresh air intake duct system for airflow amount Q <Pa>

E...Static pressure of indoor unit with airflow amount Q <Pa>

Qa...Estimated amount of fresh air intake without D <m³/min>

NOTE: Fresh air intake amount should be 10% or less of whole air amount to prevent dew dripping.

3. OPERATION IN CONJUNCTION WITH DUCT FAN (BOOSTER FAN)

●Whenever the indoor unit operates, the duct fan operates.

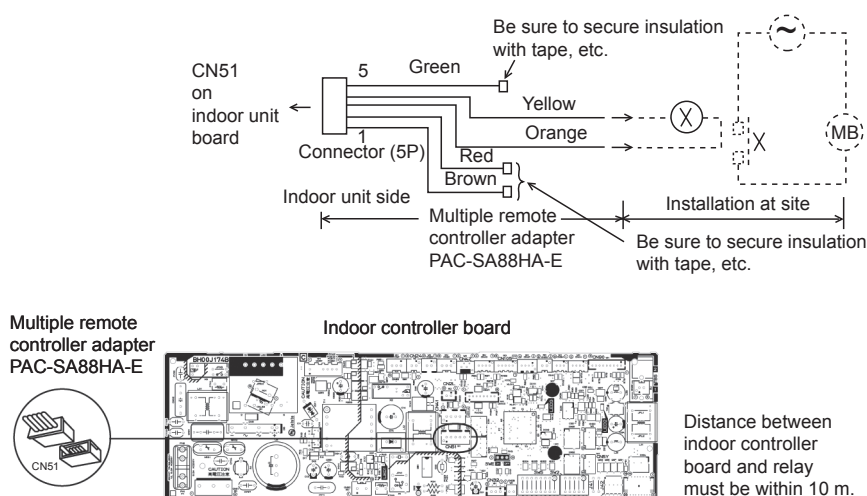
(1)Connect the optional multiple remote controller adapter(PAC-SA88HA-E) to the connector CN51 on the indoor controller board.

(2)Drive the relay after connecting the 12V DC relay between the Yellow and Orange connector lines.

Use a relay of 1W or smaller.

MB: Electromagnetic switch power relay for duct fan.

X: Auxiliary relay (12V DC LY-1F)



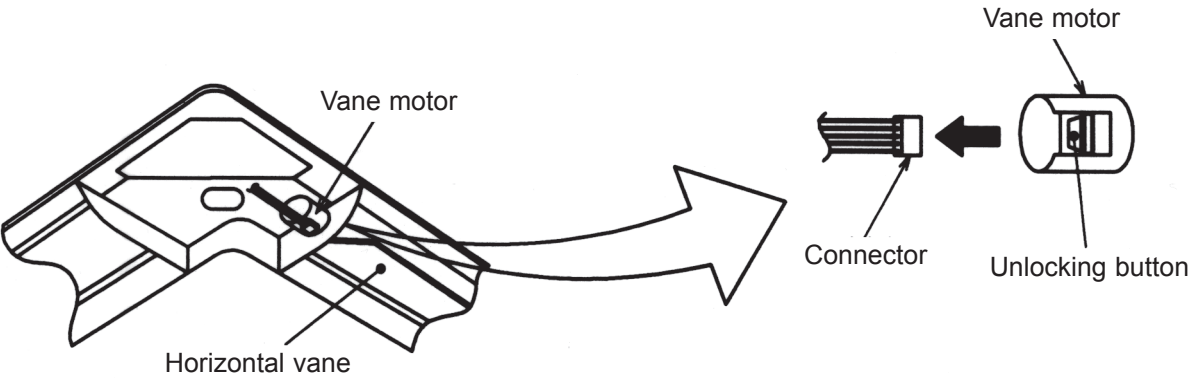
Distance between indoor controller board and relay must be within 10 m.

4. FIXING OF HORIZONTAL VANE

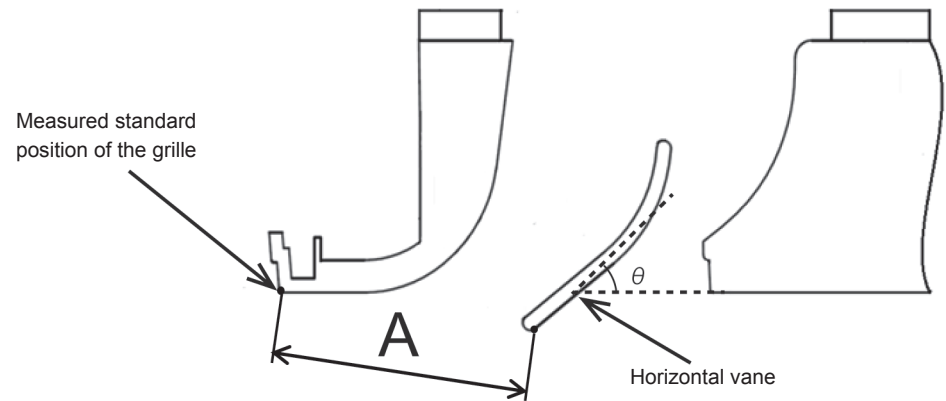
Horizontal vane of each air outlet can be fixed according to the environment where it is installed.

Setting procedure

- 1) Turn off a main power supply (Turn off a breaker).
- 2) Remove the vane motor connector in the direction of the arrow shown below with pressing the unlocking button as in the figure below.
Insulate the disconnected connector with the plastic tape.



- 3) Set the vertical vane of the air outlet by hand slowly within the range in the table below.



<Set range>

Standard of horizontal position	Angle $\theta = 21^\circ$ (Horizontal)	Angle $\theta = 24^\circ$	Angle $\theta = 39^\circ$	Angle $\theta = 42^\circ$	Angle $\theta = 45^\circ$ (Downward)
Dimension A (mm)	39	41	47	48	49

Note: Dimension between 39 mm and 49 mm can be arbitrarily set.

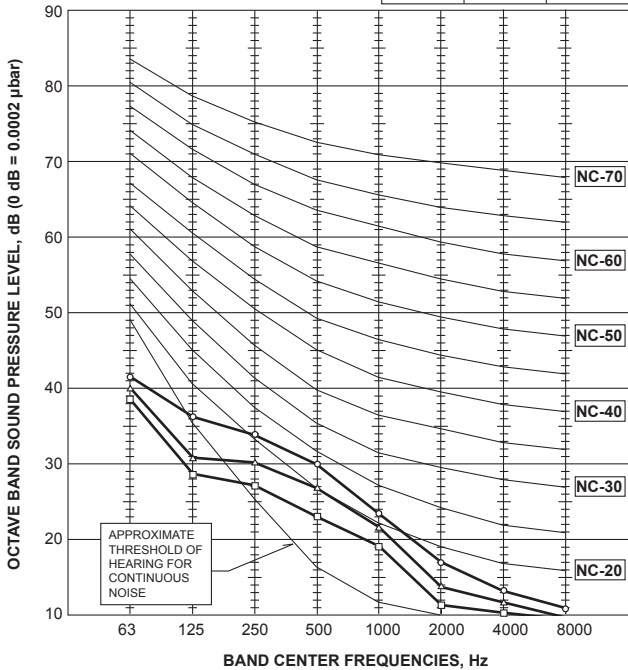
Caution 	Do not set the dimension out of the range.
	Erroneous setting could cause dew drips or malfunction of unit.

B.1.7 NOISE CRITERIA CURVES

SLZ-KF25VA2

<50Hz>

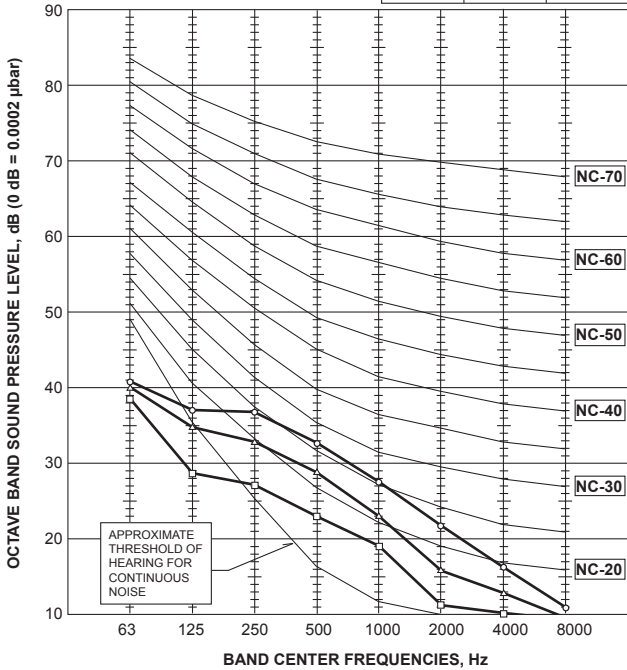
NOTCH	SPL(dB)	LINE
High	31	○—○
Medium	28	△—△
Low	25	□—□



SLZ-KF35VA2

<50Hz>

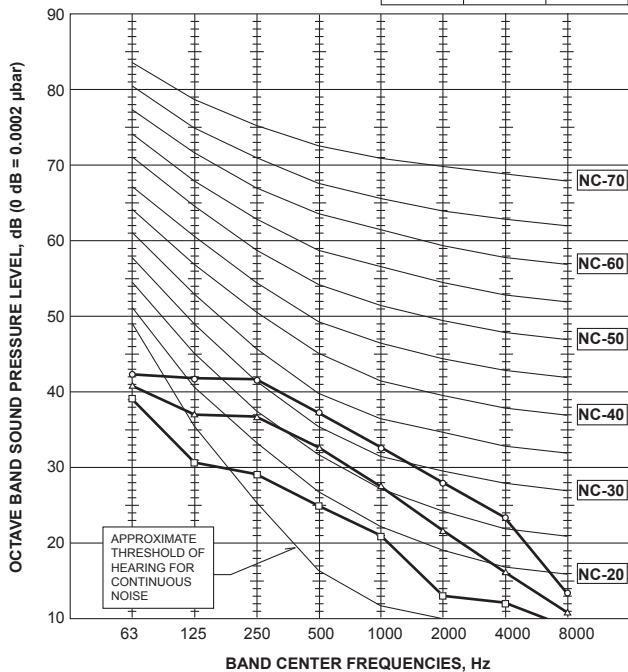
NOTCH	SPL(dB)	LINE
High	34	○—○
Medium	30	△—△
Low	25	□—□



SLZ-KF50VA2

<50Hz>

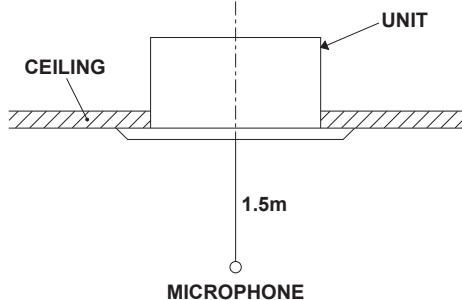
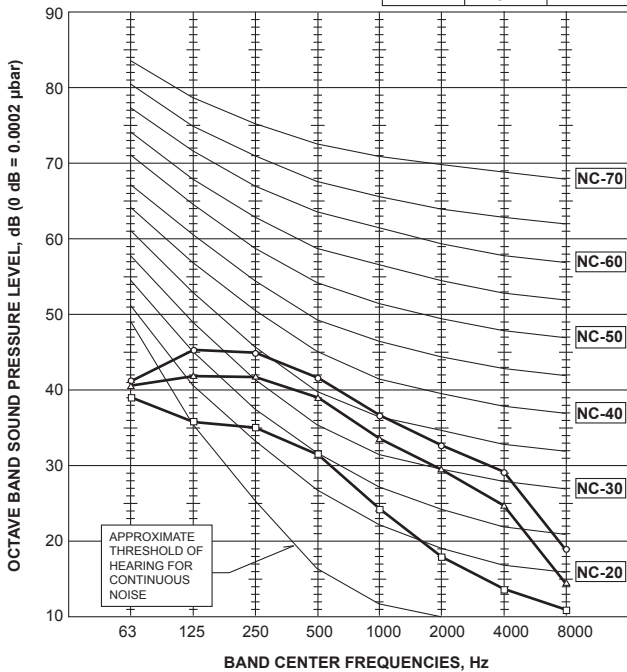
NOTCH	SPL(dB)	LINE
High	39	○—○
Medium	34	△—△
Low	27	□—□



SLZ-KF60VA2

<50Hz>

NOTCH	SPL(dB)	LINE
High	43	○—○
Medium	40	△—△
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 the indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.

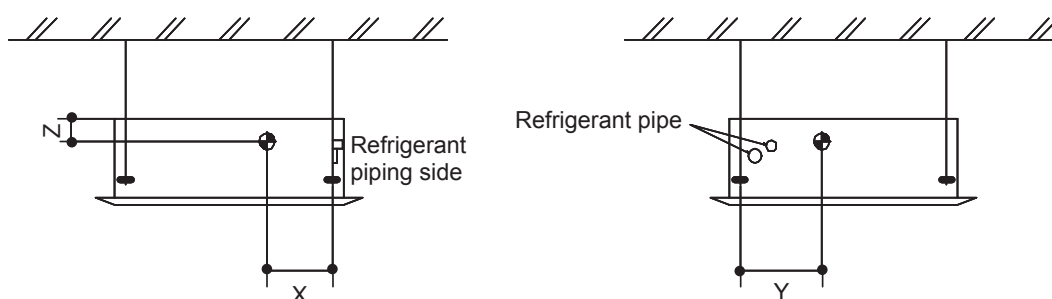
B.1.8 OUTLET AIR SPEED AND COVERAGE RANGE

		SLZ-KF25VA2	SLZ-KF35VA2	SLZ-KF50VA2	SLZ-KF60VA2
Air flow	m ³ /min	8.5	9.5	11.5	13.0
Air speed	m/sec	2.1	2.3	2.8	3.2
Coverage range	m	3.3	3.6	4.2	4.8

The air coverage range is the distance to which the 0.25m/sec air can reach, when air is blown out horizontally from the unit at the High notch position.

The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture in the room.

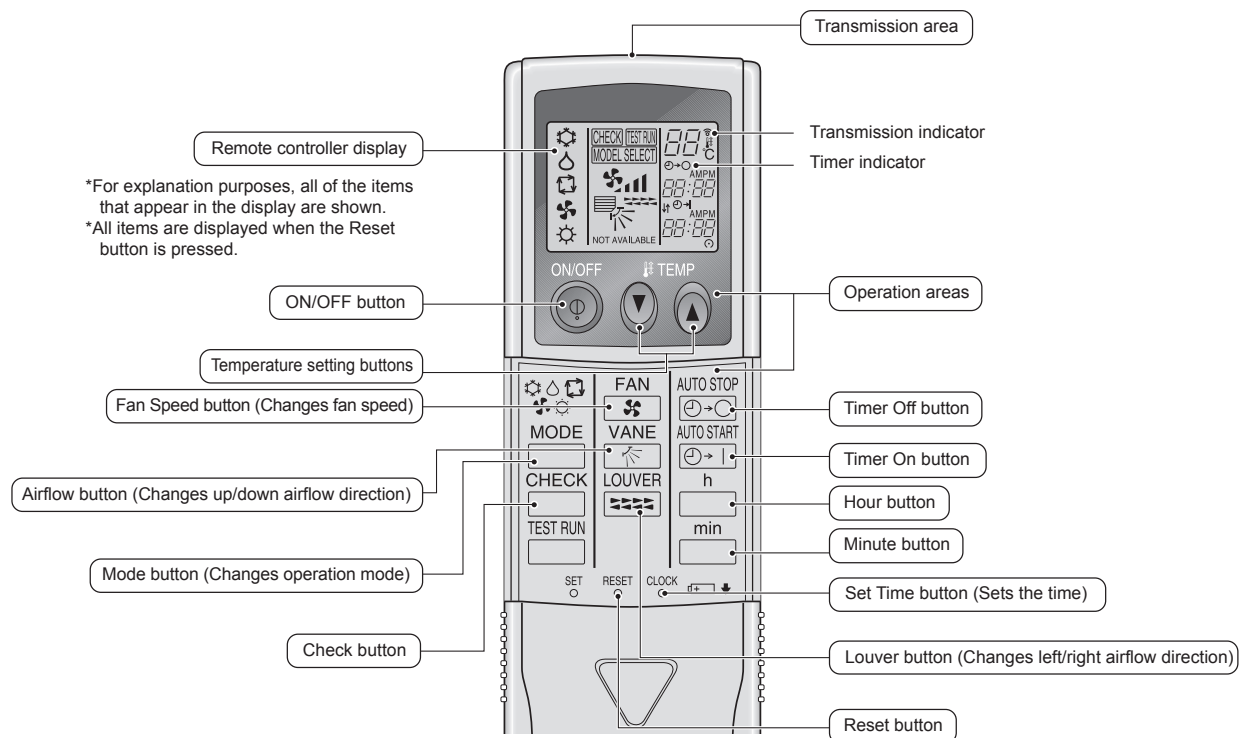
B.1.9 CENTER OF GRAVITY POSITION



Model	X	Y	Z
SLZ-KF25VA2	150	260	105
SLZ-KF35VA2	150	260	105
SLZ-KF50VA2	150	260	105
SLZ-KF60VA2	150	260	105

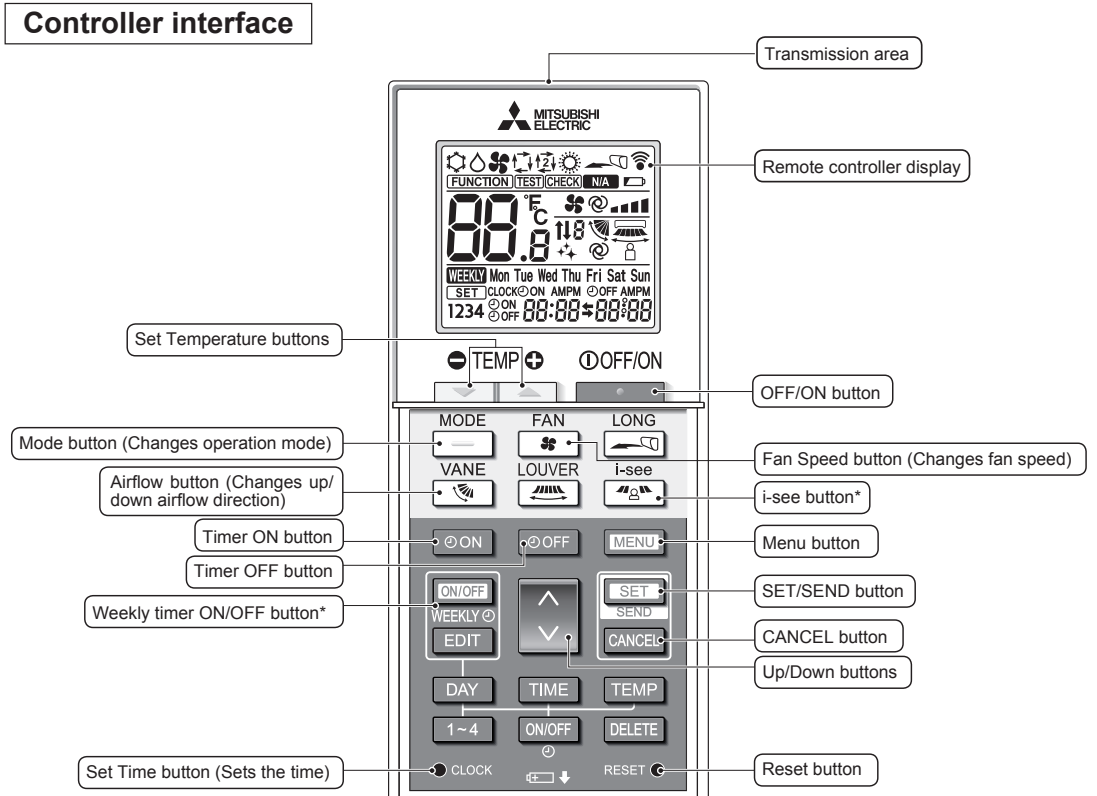
B.1.10.1 WIRELESS REMOTE CONTROLLER

[PAR-SL97A-E]

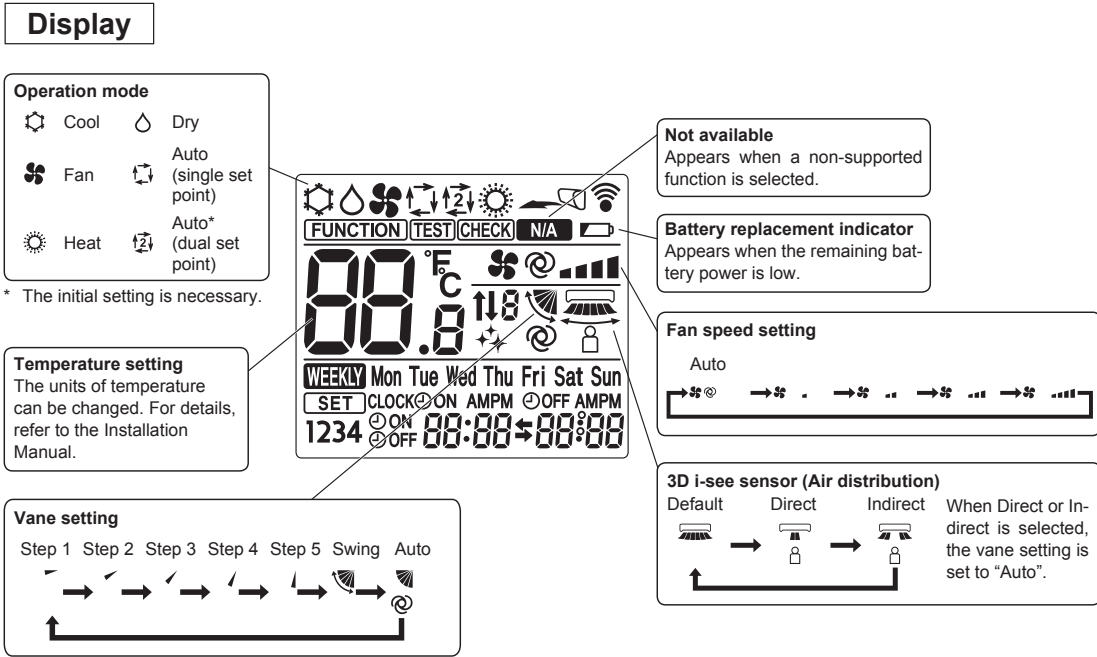


[PAR-SL100A-E]

When cover is open



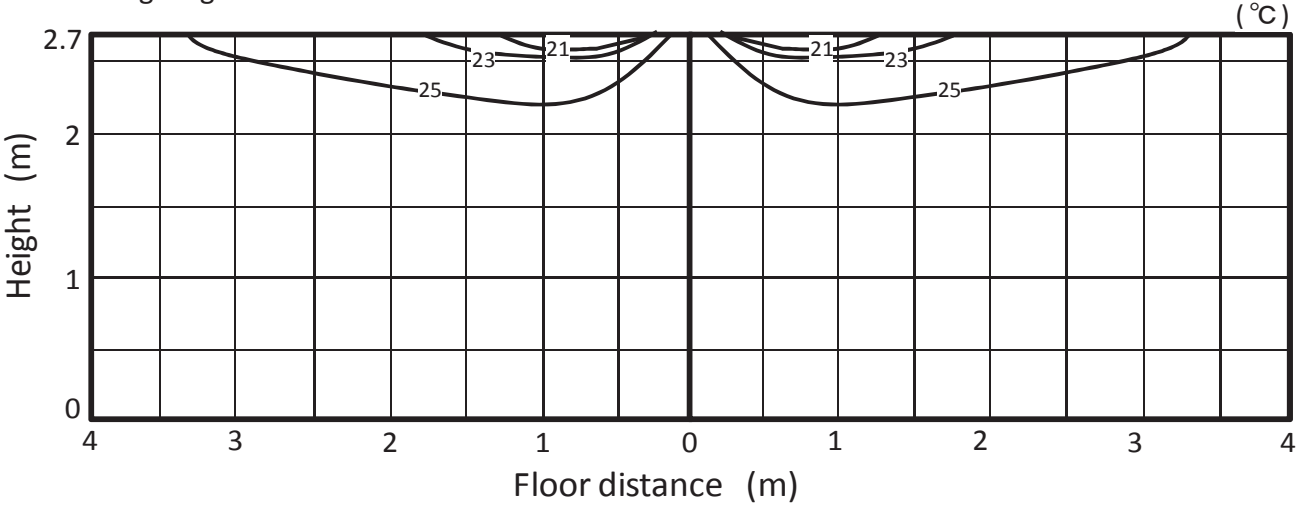
Note:
* This button is enabled or disabled depending on the model of the indoor unit.



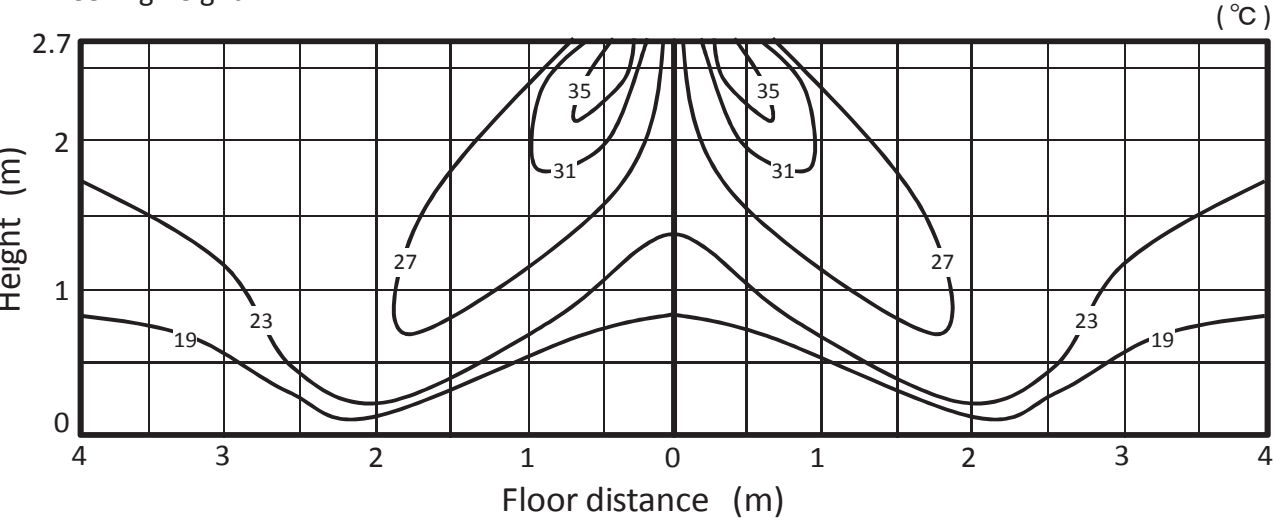
B.1.11 TEMPERATURE AND AIRFLOW DISTRIBUTIONS

TEMPERATURE DISTRIBUTION
SLZ-KF25, KF35, KF50, KF60VA2

<Cooling mode>
Horizontal
Ceiling height : 2.7m



<Heating mode>
Downward
Ceiling height : 2.7m

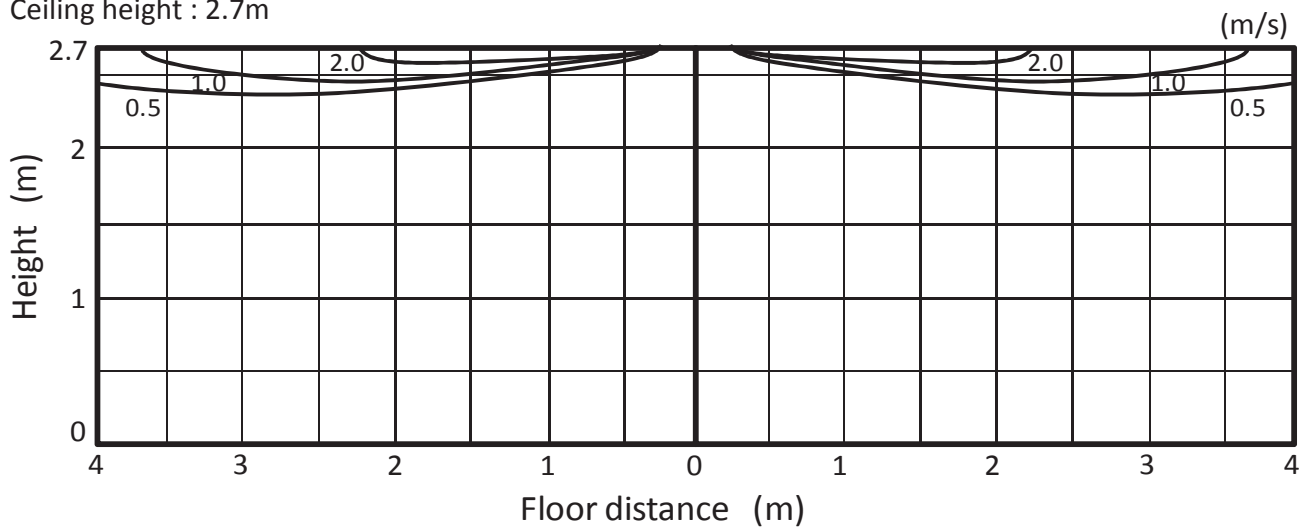


AIR FLOW DISTRIBUTION**SLZ-KF25, KF35, KF50, KF60VA2**

<Cooling mode>

Horizontal

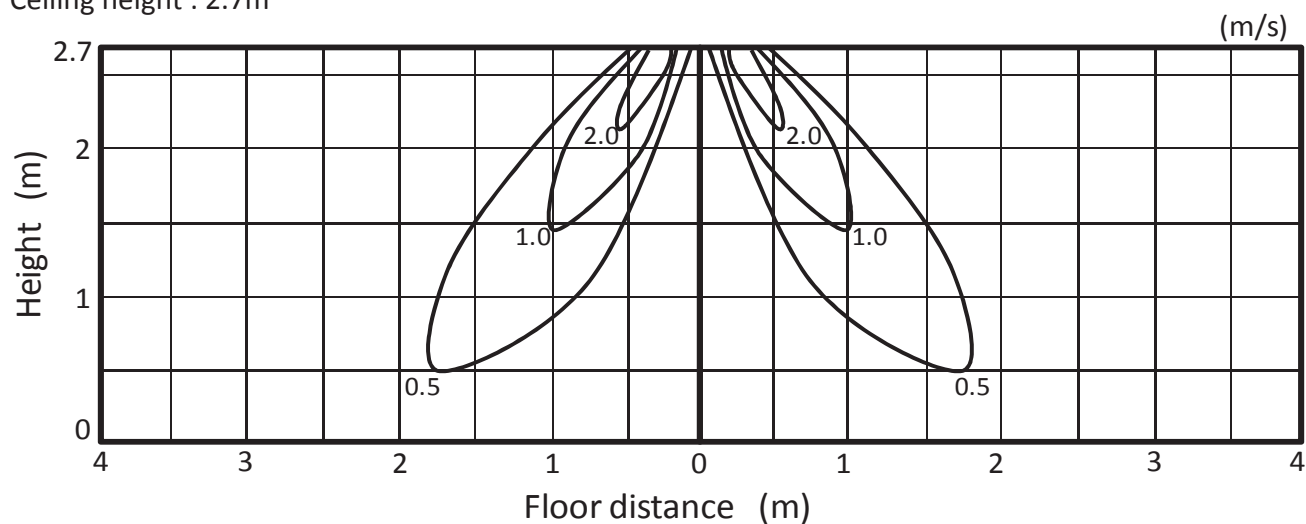
Ceiling height : 2.7m



<Heating mode>

Downward

Ceiling height : 2.7m



600x600
CEILING
CASSETTE

B.2 CEILING-CONCEALED (SEZ)

B.2.1	SPECIFICATIONS	B-30
B.2.2	OUTLINES AND DIMENSIONS.....	B-31
	B.2.2.1 INDOOR UNIT	B-31
	B.2.2.2 WIRED REMOTE CONTROLLER [PAR-32MAA]	B-32
	B.2.2.3 WIRELESS REMOTE CONTROLLER.....	B-33
B.2.3	WIRING DIAGRAM.....	B-35
B.2.4	REFRIGERANT SYSTEM DIAGRAM	B-36
B.2.5	PERFORMANCE DATA.....	B-37
B.2.6	NOISE CRITERIA CURVES	B-48
B.2.7	INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW	B-53
B.2.8	CENTER OF GRAVITY POSITION	B-57
B.2.9	REMOTE CONTROLLER.....	B-58
	B.2.9.1 WIRELESS REMOTE CONTROLLER	B-58

B.2.1 SPECIFICATIONS

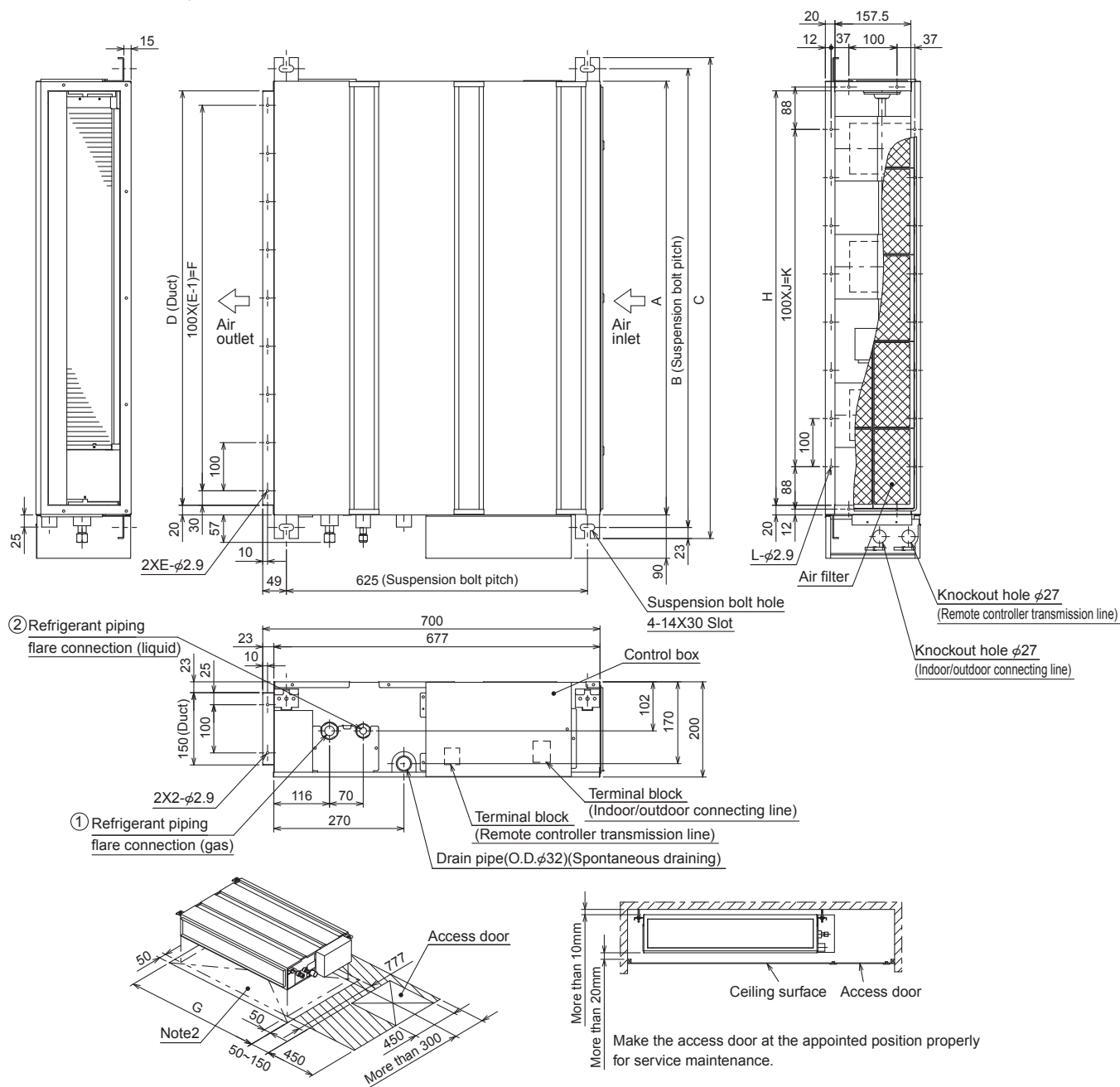
Model Name				Indoor Unit		SEZ-KD25VAQ/VAL	SEZ-KD35VAQ/VAL	SEZ-KD50VAQ/VAL	SEZ-KD60VAQ/VAL	SEZ-KD71VAQ/VAL
				Outdoor Unit		SUZ-KA25VA5	SUZ-KA35VA5	SUZ-KA50VA5	SUZ-KA60VA5	SUZ-KA71VA5
Power Supply					Source	Outdoor power supply				
	Out				V	230	230	230	230	230
					Phase	Single	Single	Single	Single	Single
					Hz	50	50	50	50	50
	In				V	-	-	-	-	-
					Phase	-	-	-	-	-
					Hz	-	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A	R410A	
Cooling	Capacity	Rated	kW	2.5	3.5	5.1	5.6	7.1		
		Max.	kW	3.2	3.9	5.6	6.3	8.3		
		Min.	kW	1.5	1.4	2.3	2.3	2.8		
	SHF	Rated	0.80	0.76	0.76	0.79	0.74			
	Total Input	Rated	kW	0.730	1.010	1.580	1.740	2.210		
	EER			3.42	3.47	3.23	3.22	3.21		
	Annual Electricity Consumption			kWh/a	168	219	313	376	477	
	SEER			5.2	5.6	5.7	5.2	5.2		
	Energy efficiency class			A	A+	A+	A	A		
	Heating	Capacity	Rated	kW	2.9	4.2	6.4	7.4	8.1	
Max.			kW	4.5	5.0	7.2	8.0	10.4		
Min.			kW	1.3	1.7	1.7	2.5	2.6		
Total Input		Rated	kW	0.803	1.130	1.800	2.200	2.268		
COP			3.61	3.72	3.56	3.36	3.57			
Annual Electricity Consumption			kWh/a	808	979	1653	1878	2202		
SCOP			3.8	4.0	3.9	4.1	3.8			
Energy efficiency class			A	A+	A	A+	A			
Operating Current(max)				A	7.4	8.7	12.7	14.7	17.0	
Indoor Unit		Input	Rated	kW	0.04	0.05	0.07	0.07	0.1	
	Operating Current(max)			A	0.4	0.5	0.7	0.7	0.9	
	Dimensions	Height	mm	200	200	200	200	200		
		Width	mm	790	990	990	1190	1190		
		Depth	mm	700	700	700	700	700		
	Weight			kg	18	21	23	27	27	
	Air Volume	Low	m³/min.	6.0	7.0	10.0	12.0	12.0		
		Mid2	m³/min.	-	-	-	-	-		
		Mid	m³/min.	7.0	9.0	13.0	15.0	16.0		
		Hi	m³/min.	9.0	11.0	15.0	18.0	20.0		
	External Static Pressure			Pa	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50	
	Sound Level (SPL)	Low	dB(A)	22	23	29	29	29		
		Mid2	dB(A)	-	-	-	-	-		
		Mid	dB(A)	25	28	33	33	34		
		Hi	dB(A)	29	33	36	37	39		
	Sound level (PWL)		Cooling	50	53	57	58	60		
Outdoor Unit	Dimensions	Height	mm	550	550	880	880	880		
		Width	mm	800	800	840	840	840		
		Depth	mm	285	285	330	330	330		
	Weight			kg	30	35	54	50	53	
	Air Volume	Cooling	Rated	m³/min.	32.6	36.3	44.6	40.9	50.1	
		Heating	Rated	m³/min.	34.7	34.8	44.6	49.2	48.2	
	Sound Level (SPL)	Cooling	Rated	dB(A)	47	49	52	55	55	
		Silent	dB(A)	-	-	-	-	-		
		Heating	Rated	dB(A)	48	50	52	55	55	
		Sound level (PWL)		Cooling	58	62	65	58	69	
	Operating Current(max)			A	7.0	8.2	12.0	14.0	16.1	
	Breaker Size			A	10	10	20	20	20	
Ext. Piping	Diameter	Liquid	mm	6.35	6.35	6.35	6.35	9.52		
		Gas	mm	9.52	9.52	12.7	15.88	15.88		
	Max. Length	Out-In	m	20	20	30	30	30		
	Max. Height	Out-In	Below Indoor	m	12	12	30	30		
		Above Indoor	m	12	12	30	30			
Guranteed Operation Range	Outdoor	Cooling	Upper Limit.	°C	+46	+46	+46	+46		
			Lower Limit.	°C	-10	-10	-15	-15		
		Heating	Upper Limit.	°C	+24	+24	+24	+24		
			Lower Limit.	°C	-10	-10	-10	-10		

B.2.2 OUTLINES AND DIMENSIONS

Unit : mm

B.2.2.1 INDOOR UNIT

SEZ-KD25VAQ, SEZ-KD25VAL
SEZ-KD35VAQ, SEZ-KD35VAL
SEZ-KD50VAQ, SEZ-KD50VAL
SEZ-KD60VAQ, SEZ-KD60VAL
SEZ-KD71VAQ, SEZ-KD71VAL



Required space for service and maintenance

Model	A	B	C	D	E	F	G	H	J	K	L	① Gas pipe	② Liquid pipe
SEZ-KD25VAQ, SEZ-KD25VAL	700	752	798	660	7	600	800	660	5	500	16	φ9.52	φ6.35
SEZ-KD35VAQ, SEZ-KD35VAL	900	952	998	860	9	800	1000	860	7	700	20		
SEZ-KD50VAQ, SEZ-KD50VAL													
SEZ-KD60VAQ, SEZ-KD60VAL	1100	1152	1198	1060	11	1000	1200	1060	9	900	24	φ12.7	
SEZ-KD71VAQ, SEZ-KD71VAL												φ15.88	
												φ9.52	

Note1. Use M10 screw for the suspension bolt (field supply).

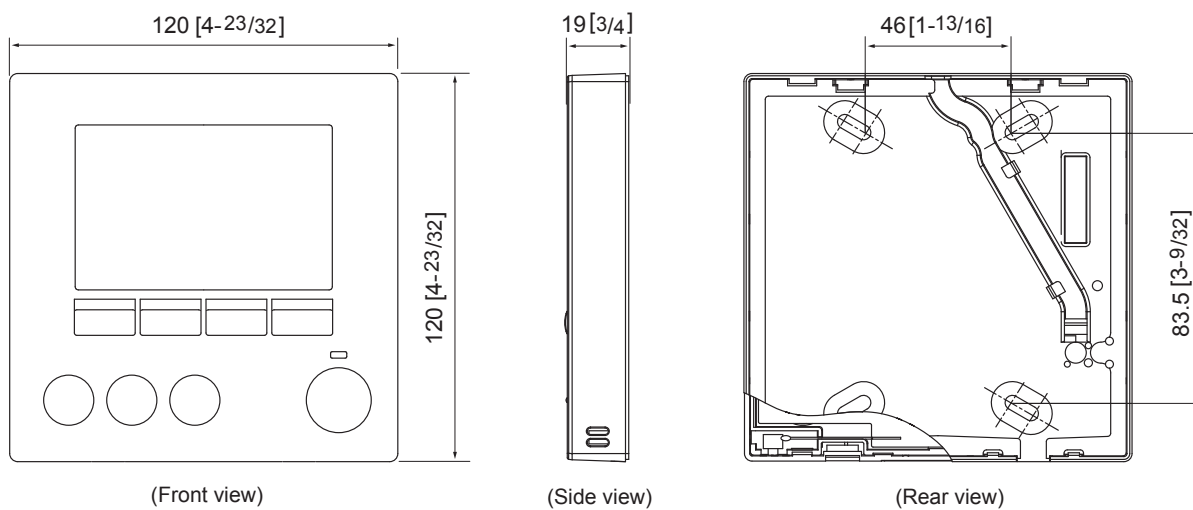
2.Keep the service space for the maintenance at the bottom.

3.This chart indicates for SEZ-KD50VAQ, SEZ-KD50VAL model,which has 3 fans.

SEZ-KD25,35VAQ, SEZ-KD25,35VAL models have 2 fans.

SEZ-KD25,55VAQ, SEZ-KD25,55VAL models have 2 fans.
SEZ-KD60,71VAQ, SEZ-KD60,71VAL models have 4 fans.

4. In case an inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

B.2.2.2 WIRED REMOTE CONTROLLER (Optional parts)**SEZ-KD25/35/50/60/71VAQ****[PAR-32MAA]**

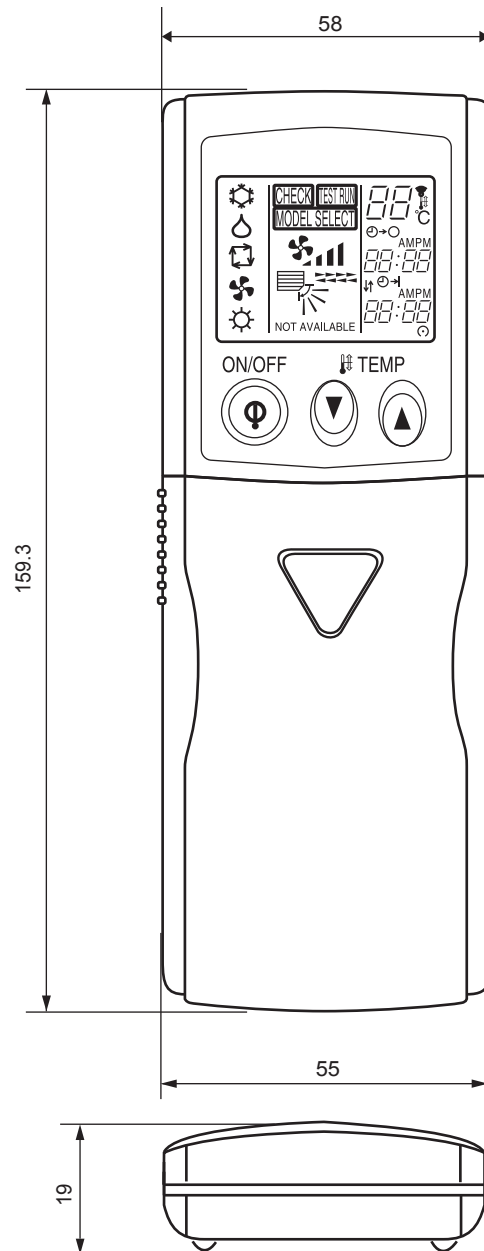
Unit : mm [in.]

B.2.2.3 WIRELESS REMOTE CONTROLLER

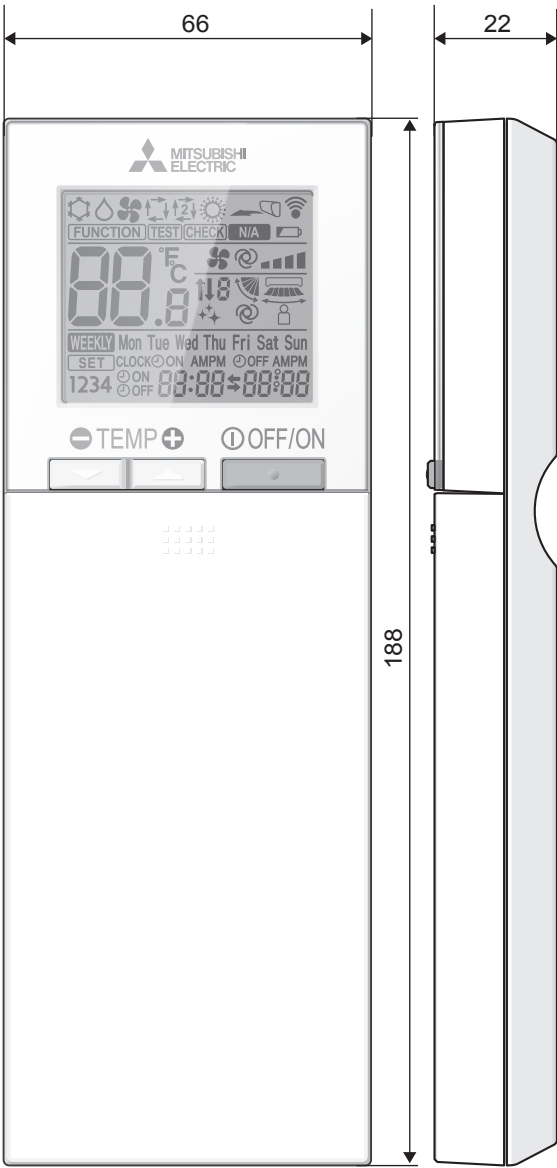
Unit : mm

SEZ-KD25/35/50/60/71VAL

[PAR-SL97A-E]

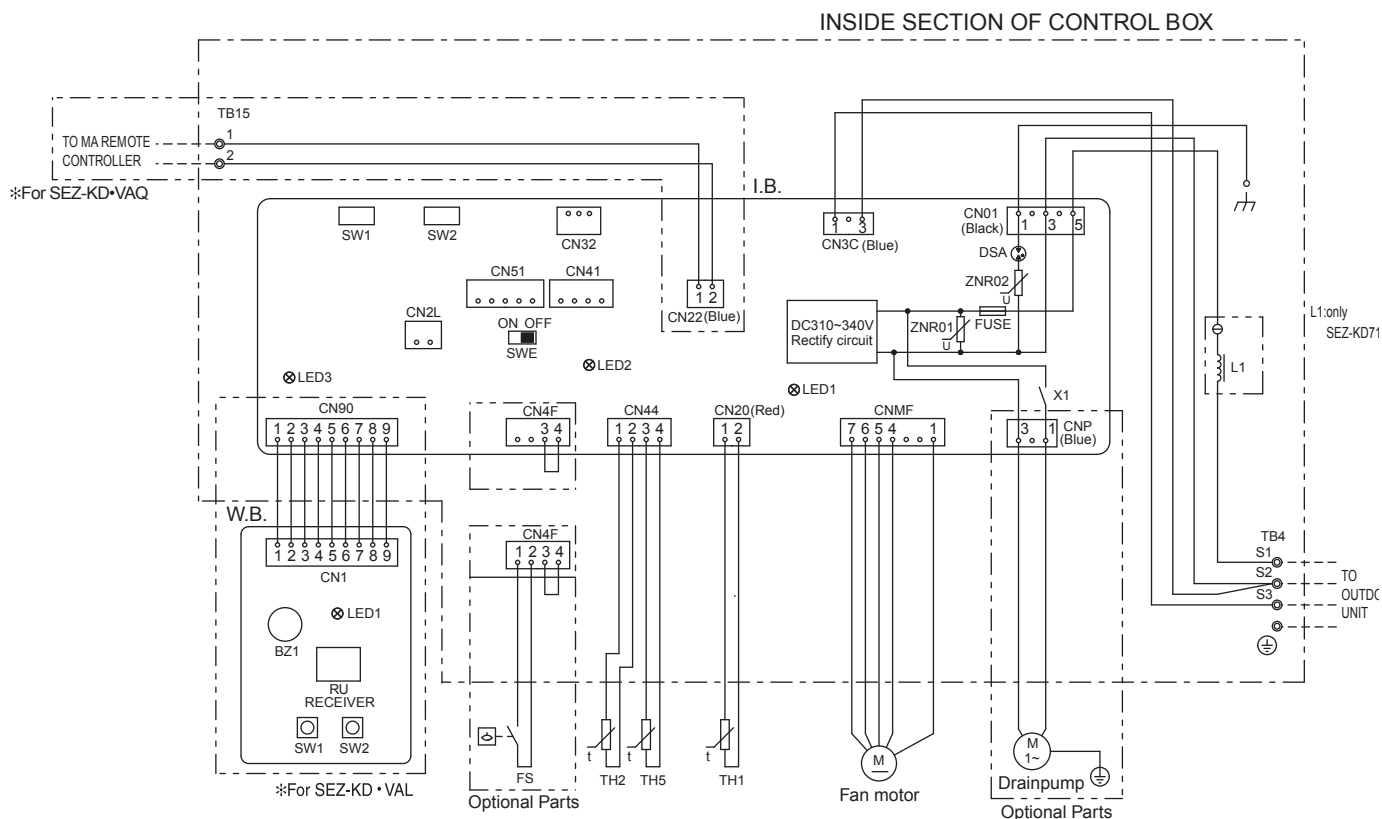


SEZ-KD25/35/50/60/71VAL
[PAR-SL100A-E]



B.2.3 WIRING DIAGRAM

SEZ-KD25VAQ, SEZ-KD25VAL
 SEZ-KD35VAQ, SEZ-KD35VAL
 SEZ-KD50VAQ, SEZ-KD50VAL
 SEZ-KD60VAQ, SEZ-KD60VAL
 SEZ-KD71VAQ, SEZ-KD71VAL



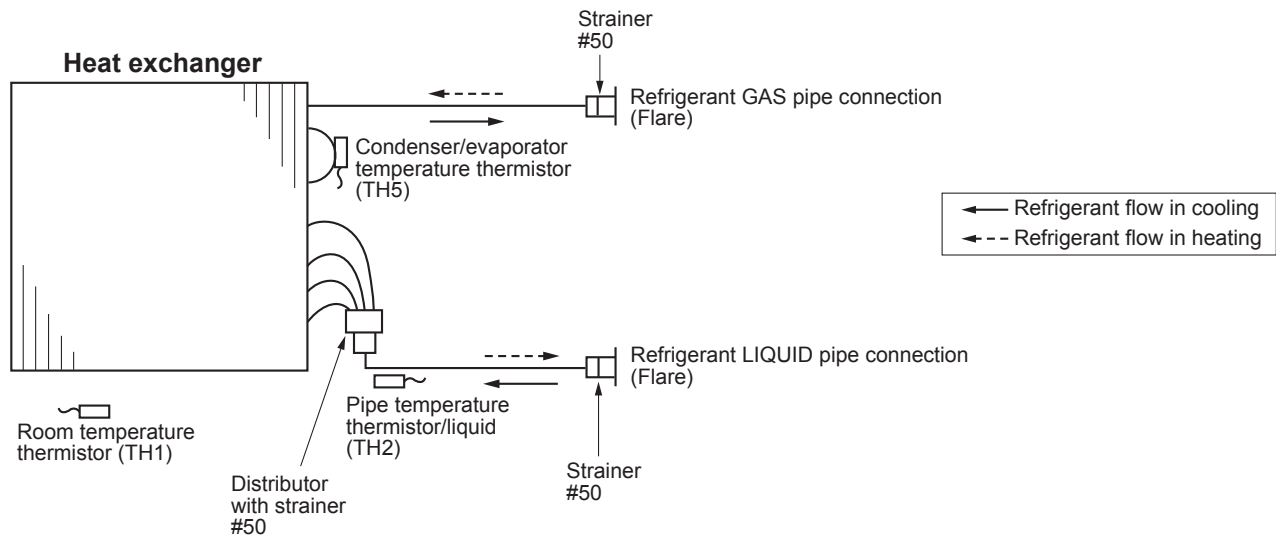
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	W.B.	WIRELESS REMOTE CONTROLLER BOARD
FUSE	FUSE AC250V 6.3A	RU	RECEIVING UNIT
ZNR01,02	VARISTOR	BZ1	BUZZER
DSA	ARRESTER	LED1	LED (RUN INDICATOR)
X1	AUX. RELAY	SW1	SWITCH (HEATING ON/OFF)
CN2L	CONNECTOR (LOSSNAY)	SW2	SWITCH (COOLING ON/OFF)
CN32	CONNECTOR (REMOTE SWITCH)	TH1	INTAKE AIR TEMP. THERMISTOR
CN41	CONNECTOR (HA TERMINAL-A)	TH2	PIPE TEMP. THERMISTOR/LIQUID
CN51	CONNECTOR (CENTRALLY CONTROL)	TH5	COND. /EVA. TEMP. THERMISTOR
LED1	POWER SUPPLY(I.B.)	L1	AC REACTOR(POWER FACTOR IMPROVEMENT)
LED2	POWER SUPPLY(I.B.)	FS	FLOAT SWITCH
LED3	TRANSMISSION(INDOOR-OUTDOOR)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
SW1	SWITCH (FOR MODE SELECTION)	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
SW2	SWITCH (FOR CAPACITY CODE)		
SWE	CONNECTOR (EMERGENCY OPERATION)		

NOTE) 1. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring diagram for servicing.
 2. Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers(S1,S2,S3) for correct wirings.
 3. Symbols used in wiring diagram above are,
 ⊕:Connector, ⊙:Terminal Block.

B.2.4 REFRIGERANT SYSTEM DIAGRAM

SEZ-KD25VAQ, SEZ-KD25VAL
 SEZ-KD35VAQ, SEZ-KD35VAL
 SEZ-KD50VAQ, SEZ-KD50VAL
 SEZ-KD60VAQ, SEZ-KD60VAL
 SEZ-KD71VAQ, SEZ-KD71VAL



B.2.5 PERFORMANCE DATA

COOLING operation at Rated frequency

SEZ-KD25VAQ, SEZ-KD25VAL / SUZ-KA25VA5

CAPACITY : 2.5(kW) INPUT : 730(W) SHF : 0.80

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.94	1.82	0.62	584	2.81	1.74	0.62	613	2.70	1.67	0.62	642	2.60	1.61	0.62	672
21	20	3.06	1.53	0.50	613	2.94	1.47	0.50	650	2.85	1.43	0.50	664	2.75	1.38	0.50	694
22	18	2.94	1.94	0.66	584	2.81	1.86	0.66	613	2.70	1.78	0.66	642	2.60	1.72	0.66	672
22	20	3.06	1.65	0.54	613	2.94	1.59	0.54	650	2.85	1.54	0.54	664	2.75	1.49	0.54	694
22	22	3.19	1.34	0.42	635	3.08	1.29	0.42	675	3.00	1.26	0.42	694	2.88	1.21	0.42	723
23	18	2.94	2.06	0.70	584	2.81	1.97	0.70	613	2.70	1.89	0.70	642	2.60	1.82	0.70	672
23	20	3.06	1.78	0.58	613	2.94	1.70	0.58	650	2.85	1.65	0.58	664	2.75	1.60	0.58	694
23	22	3.19	1.47	0.46	635	3.08	1.41	0.46	675	3.00	1.38	0.46	694	2.88	1.32	0.46	723
24	18	2.94	2.17	0.74	584	2.81	2.08	0.74	613	2.70	2.00	0.74	642	2.60	1.92	0.74	672
24	20	3.06	1.90	0.62	613	2.94	1.82	0.62	650	2.85	1.77	0.62	664	2.75	1.71	0.62	694
24	22	3.19	1.59	0.50	635	3.08	1.54	0.50	675	3.00	1.50	0.50	694	2.88	1.44	0.50	723
24	24	3.35	1.27	0.38	664	3.23	1.23	0.38	701	3.15	1.20	0.38	723	3.05	1.16	0.38	759
25	20	3.06	2.02	0.66	613	2.94	1.94	0.66	650	2.85	1.88	0.66	664	2.75	1.82	0.66	694
25	22	3.19	1.72	0.54	635	3.08	1.66	0.54	675	3.00	1.62	0.54	694	2.88	1.55	0.54	723
25	24	3.35	1.41	0.42	664	3.23	1.35	0.42	701	3.15	1.32	0.42	723	3.05	1.28	0.42	759
26	18	2.94	2.41	0.82	584	2.81	2.31	0.82	613	2.70	2.21	0.82	642	2.60	2.13	0.82	672
26	20	3.06	2.14	0.70	613	2.94	2.06	0.70	650	2.85	2.00	0.70	664	2.75	1.93	0.70	694
26	22	3.19	1.85	0.58	635	3.08	1.78	0.58	675	3.00	1.74	0.58	694	2.88	1.67	0.58	723
26	24	3.35	1.54	0.46	664	3.23	1.48	0.46	701	3.15	1.45	0.46	723	3.05	1.40	0.46	759
26	26	3.45	1.17	0.34	701	3.35	1.14	0.34	737	3.30	1.12	0.34	759	3.20	1.09	0.34	781
27	18	2.94	2.53	0.86	584	2.81	2.42	0.86	613	2.70	2.32	0.86	642	2.60	2.24	0.86	672
27	20	3.06	2.27	0.74	613	2.94	2.17	0.74	650	2.85	2.11	0.74	664	2.75	2.04	0.74	694
27	22	3.19	1.98	0.62	635	3.08	1.91	0.62	675	3.00	1.86	0.62	694	2.88	1.78	0.62	723
27	24	3.35	1.68	0.50	664	3.23	1.61	0.50	701	3.15	1.58	0.50	723	3.05	1.53	0.50	759
27	26	3.45	1.31	0.38	701	3.35	1.27	0.38	737	3.30	1.25	0.38	759	3.20	1.22	0.38	781
28	18	2.94	2.64	0.90	584	2.81	2.53	0.90	613	2.70	2.43	0.90	642	2.60	2.34	0.90	672
28	20	3.06	2.39	0.78	613	2.94	2.29	0.78	650	2.85	2.22	0.78	664	2.75	2.15	0.78	694
28	22	3.19	2.10	0.66	635	3.08	2.03	0.66	675	3.00	1.98	0.66	694	2.88	1.90	0.66	723
28	24	3.35	1.81	0.54	664	3.23	1.74	0.54	701	3.15	1.70	0.54	723	3.05	1.65	0.54	759
28	26	3.45	1.45	0.42	701	3.35	1.41	0.42	737	3.30	1.39	0.42	759	3.20	1.34	0.42	781
29	18	2.94	2.76	0.94	584	2.81	2.64	0.94	613	2.70	2.54	0.94	642	2.60	2.44	0.94	672
29	20	3.06	2.51	0.82	613	2.94	2.41	0.82	650	2.85	2.34	0.82	664	2.75	2.26	0.82	694
29	22	3.19	2.23	0.70	635	3.08	2.15	0.70	675	3.00	2.10	0.70	694	2.88	2.01	0.70	723
29	24	3.35	1.94	0.58	664	3.23	1.87	0.58	701	3.15	1.83	0.58	723	3.05	1.77	0.58	759
29	26	3.45	1.59	0.46	701	3.35	1.54	0.46	737	3.30	1.52	0.46	759	3.20	1.47	0.46	781
30	18	2.94	2.88	0.98	584	2.81	2.76	0.98	613	2.70	2.65	0.98	642	2.60	2.55	0.98	672
30	20	3.06	2.63	0.86	613	2.94	2.53	0.86	650	2.85	2.45	0.86	664	2.75	2.37	0.86	694
30	22	3.19	2.36	0.74	635	3.08	2.28	0.74	675	3.00	2.22	0.74	694	2.88	2.13	0.74	723
30	24	3.35	2.08	0.62	664	3.23	2.00	0.62	701	3.15	1.95	0.62	723	3.05	1.89	0.62	759
30	26	3.45	1.73	0.50	701	3.35	1.68	0.50	737	3.30	1.65	0.50	759	3.20	1.60	0.50	781
31	18	2.94	2.94	1.00	584	2.81	2.81	1.00	613	2.70	2.70	1.00	642	2.60	2.60	1.00	672
31	20	3.06	2.76	0.90	613	2.94	2.64	0.90	650	2.85	2.57	0.90	664	2.75	2.48	0.90	694
31	22	3.19	2.49	0.78	635	3.08	2.40	0.78	675	3.00	2.34	0.78	694	2.88	2.24	0.78	723
31	24	3.35	2.21	0.66	664	3.23	2.13	0.66	701	3.15	2.08	0.66	723	3.05	2.01	0.66	759
31	26	3.45	1.86	0.54	701	3.35	1.81	0.54	737	3.30	1.78	0.54	759	3.20	1.73	0.54	781
32	18	2.94	2.94	1.00	584	2.81	2.81	1.00	613	2.70	2.70	1.00	642	2.60	2.60	1.00	672
32	20	3.06	2.88	0.94	613	2.94	2.76	0.94	650	2.85	2.68	0.94	664	2.75	2.59	0.94	694
32	22	3.19	2.61	0.82	635	3.08	2.52	0.82	675	3.00	2.46	0.82	694	2.88	2.36	0.82	723
32	24	3.35	2.35	0.70	664	3.23	2.26	0.70	701	3.15	2.21	0.70	723	3.05	2.14	0.70	759
32	26	3.45	2.00	0.58	701	3.35	1.94	0.58	737	3.30	1.91	0.58	759	3.20	1.86	0.58	781

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
INPUT : Total power input (W)

D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-KD25VAQ, SEZ-KD25VAL / SUZ-KA25VA5
 CAPACITY : 2.5(kW) INPUT : 730(W) SHF : 0.80

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.45	1.52	0.62	715	2.25	1.40	0.62	759	2.08	1.29	0.62	788
21	20	2.58	1.29	0.50	745	2.40	1.20	0.50	781	2.23	1.11	0.50	825
22	18	2.45	1.62	0.66	715	2.25	1.49	0.66	759	2.08	1.37	0.66	788
22	20	2.58	1.39	0.54	745	2.40	1.30	0.54	781	2.23	1.20	0.54	825
22	22	2.73	1.14	0.42	774	2.55	1.07	0.42	818	2.38	1.00	0.42	847
23	18	2.45	1.72	0.70	715	2.25	1.58	0.70	759	2.08	1.45	0.70	788
23	20	2.58	1.49	0.58	745	2.40	1.39	0.58	781	2.23	1.29	0.58	825
23	22	2.73	1.25	0.46	774	2.55	1.17	0.46	818	2.38	1.09	0.46	847
24	18	2.45	1.81	0.74	715	2.25	1.67	0.74	759	2.08	1.54	0.74	788
24	20	2.58	1.60	0.62	745	2.40	1.49	0.62	781	2.23	1.38	0.62	825
24	22	2.73	1.36	0.50	774	2.55	1.28	0.50	818	2.38	1.19	0.50	847
24	24	2.88	1.09	0.38	803	2.70	1.03	0.38	840	2.55	0.97	0.38	876
25	20	2.58	1.70	0.66	745	2.40	1.58	0.66	781	2.23	1.47	0.66	825
25	22	2.73	1.47	0.54	774	2.55	1.38	0.54	818	2.38	1.28	0.54	847
25	24	2.88	1.21	0.42	803	2.70	1.13	0.42	840	2.55	1.07	0.42	876
26	18	2.45	2.01	0.82	715	2.25	1.85	0.82	759	2.08	1.70	0.82	788
26	20	2.58	1.80	0.70	745	2.40	1.68	0.70	781	2.23	1.56	0.70	825
26	22	2.73	1.58	0.58	774	2.55	1.48	0.58	818	2.38	1.38	0.58	847
26	24	2.88	1.32	0.46	803	2.70	1.24	0.46	840	2.55	1.17	0.46	876
26	26	3.03	1.03	0.34	832	2.85	0.97	0.34	869	2.68	0.91	0.34	905
27	18	2.45	2.11	0.86	715	2.25	1.94	0.86	759	2.08	1.78	0.86	788
27	20	2.58	1.91	0.74	745	2.40	1.78	0.74	781	2.23	1.65	0.74	825
27	22	2.73	1.69	0.62	774	2.55	1.58	0.62	818	2.38	1.47	0.62	847
27	24	2.88	1.44	0.50	803	2.70	1.35	0.50	840	2.55	1.28	0.50	876
27	26	3.03	1.15	0.38	832	2.85	1.08	0.38	869	2.68	1.02	0.38	905
28	18	2.45	2.21	0.90	715	2.25	2.03	0.90	759	2.08	1.87	0.90	788
28	20	2.58	2.01	0.78	745	2.40	1.87	0.78	781	2.23	1.74	0.78	825
28	22	2.73	1.80	0.66	774	2.55	1.68	0.66	818	2.38	1.57	0.66	847
28	24	2.88	1.55	0.54	803	2.70	1.46	0.54	840	2.55	1.38	0.54	876
28	26	3.03	1.27	0.42	832	2.85	1.20	0.42	869	2.68	1.12	0.42	905
29	18	2.45	2.30	0.94	715	2.25	2.12	0.94	759	2.08	1.95	0.94	788
29	20	2.58	2.11	0.82	745	2.40	1.97	0.82	781	2.23	1.82	0.82	825
29	22	2.73	1.91	0.70	774	2.55	1.79	0.70	818	2.38	1.66	0.70	847
29	24	2.88	1.67	0.58	803	2.70	1.57	0.58	840	2.55	1.48	0.58	876
29	26	3.03	1.39	0.46	832	2.85	1.31	0.46	869	2.68	1.23	0.46	905
30	18	2.45	2.40	0.98	715	2.25	2.21	0.98	759	2.08	2.03	0.98	788
30	20	2.58	2.21	0.86	745	2.40	2.06	0.86	781	2.23	1.91	0.86	825
30	22	2.73	2.02	0.74	774	2.55	1.89	0.74	818	2.38	1.76	0.74	847
30	24	2.88	1.78	0.62	803	2.70	1.67	0.62	840	2.55	1.58	0.62	876
30	26	3.03	1.51	0.50	832	2.85	1.43	0.50	869	2.68	1.34	0.50	905
31	18	2.45	2.45	1.00	715	2.25	2.25	1.00	759	2.08	2.08	1.00	788
31	20	2.58	2.32	0.90	745	2.40	2.16	0.90	781	2.23	2.00	0.90	825
31	22	2.73	2.13	0.78	774	2.55	1.99	0.78	818	2.38	1.85	0.78	847
31	24	2.88	1.90	0.66	803	2.70	1.78	0.66	840	2.55	1.68	0.66	876
31	26	3.03	1.63	0.54	832	2.85	1.54	0.54	869	2.68	1.44	0.54	905
32	18	2.45	2.45	1.00	715	2.25	2.25	1.00	759	2.08	2.08	1.00	788
32	20	2.58	2.42	0.94	745	2.40	2.26	0.94	781	2.23	2.09	0.94	825
32	22	2.73	2.23	0.82	774	2.55	2.09	0.82	818	2.38	1.95	0.82	847
32	24	2.88	2.01	0.70	803	2.70	1.89	0.70	840	2.55	1.79	0.70	876
32	26	3.03	1.75	0.58	832	2.85	1.65	0.58	869	2.68	1.55	0.58	905

Note: Q : Total capacity (kW)
 SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
 INPUT : Total power input (W)

D.B.: Dry-bulb temperature
 W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-KD35VAQ, SEZ-KD35VAL / SUZ-KA35VA5
 CAPACITY : 3.5(kW) INPUT : 1010(W) SHF : 0.76

		OUTDOOR DB(°C)															
INDOOR DB(°C)	INDOOR WB(°C)	21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.11	2.39	0.58	808	3.94	2.28	0.58	848	3.78	2.19	0.58	889	3.64	2.11	0.58	929
21	20	4.29	1.97	0.46	848	4.11	1.89	0.46	899	3.99	1.84	0.46	919	3.85	1.77	0.46	960
22	18	4.11	2.55	0.62	808	3.94	2.44	0.62	848	3.78	2.34	0.62	889	3.64	2.26	0.62	929
22	20	4.29	2.14	0.50	848	4.11	2.06	0.50	899	3.99	2.00	0.50	919	3.85	1.93	0.50	960
22	22	4.46	1.70	0.38	879	4.31	1.64	0.38	934	4.20	1.60	0.38	960	4.03	1.53	0.38	1,000
23	18	4.11	2.71	0.66	808	3.94	2.60	0.66	848	3.78	2.49	0.66	889	3.64	2.40	0.66	929
23	20	4.29	2.32	0.54	848	4.11	2.22	0.54	899	3.99	2.15	0.54	919	3.85	2.08	0.54	960
23	22	4.46	1.87	0.42	879	4.31	1.81	0.42	934	4.20	1.76	0.42	960	4.03	1.69	0.42	1,000
24	18	4.11	2.88	0.70	808	3.94	2.76	0.70	848	3.78	2.65	0.70	889	3.64	2.55	0.70	929
24	20	4.29	2.49	0.58	848	4.11	2.39	0.58	899	3.99	2.31	0.58	919	3.85	2.23	0.58	960
24	22	4.46	2.05	0.46	879	4.31	1.98	0.46	934	4.20	1.93	0.46	960	4.03	1.85	0.46	1,000
24	24	4.69	1.59	0.34	919	4.52	1.54	0.34	970	4.41	1.50	0.34	1,000	4.27	1.45	0.34	1,050
25	20	4.29	2.66	0.62	848	4.11	2.55	0.62	899	3.99	2.47	0.62	919	3.85	2.39	0.62	960
25	22	4.46	2.23	0.50	879	4.31	2.15	0.50	934	4.20	2.10	0.50	960	4.03	2.01	0.50	1,000
25	24	4.69	1.78	0.38	919	4.52	1.72	0.38	970	4.41	1.68	0.38	1,000	4.27	1.62	0.38	1,050
26	18	4.11	3.21	0.78	808	3.94	3.07	0.78	848	3.78	2.95	0.78	889	3.64	2.84	0.78	929
26	20	4.29	2.83	0.66	848	4.11	2.71	0.66	899	3.99	2.63	0.66	919	3.85	2.54	0.66	960
26	22	4.46	2.41	0.54	879	4.31	2.32	0.54	934	4.20	2.27	0.54	960	4.03	2.17	0.54	1,000
26	24	4.69	1.97	0.42	919	4.52	1.90	0.42	970	4.41	1.85	0.42	1,000	4.27	1.79	0.42	1,050
26	26	4.83	1.45	0.30	970	4.69	1.41	0.30	1,020	4.62	1.39	0.30	1,050	4.48	1.34	0.30	1,081
27	18	4.11	3.37	0.82	808	3.94	3.23	0.82	848	3.78	3.10	0.82	889	3.64	2.98	0.82	929
27	20	4.29	3.00	0.70	848	4.11	2.88	0.70	899	3.99	2.79	0.70	919	3.85	2.70	0.70	960
27	22	4.46	2.59	0.58	879	4.31	2.50	0.58	934	4.20	2.44	0.58	960	4.03	2.33	0.58	1,000
27	24	4.69	2.16	0.46	919	4.52	2.08	0.46	970	4.41	2.03	0.46	1,000	4.27	1.96	0.46	1,050
27	26	4.83	1.64	0.34	970	4.69	1.59	0.34	1,020	4.62	1.57	0.34	1,050	4.48	1.52	0.34	1,081
28	18	4.11	3.54	0.86	808	3.94	3.39	0.86	848	3.78	3.25	0.86	889	3.64	3.13	0.86	929
28	20	4.29	3.17	0.74	848	4.11	3.04	0.74	899	3.99	2.95	0.74	919	3.85	2.85	0.74	960
28	22	4.46	2.77	0.62	879	4.31	2.67	0.62	934	4.20	2.60	0.62	960	4.03	2.50	0.62	1,000
28	24	4.69	2.35	0.50	919	4.52	2.26	0.50	970	4.41	2.21	0.50	1,000	4.27	2.14	0.50	1,050
28	26	4.83	1.84	0.38	970	4.69	1.78	0.38	1,020	4.62	1.76	0.38	1,050	4.48	1.70	0.38	1,081
29	18	4.11	3.70	0.90	808	3.94	3.54	0.90	848	3.78	3.40	0.90	889	3.64	3.28	0.90	929
29	20	4.29	3.34	0.78	848	4.11	3.21	0.78	899	3.99	3.11	0.78	919	3.85	3.00	0.78	960
29	22	4.46	2.95	0.66	879	4.31	2.84	0.66	934	4.20	2.77	0.66	960	4.03	2.66	0.66	1,000
29	24	4.69	2.53	0.54	919	4.52	2.44	0.54	970	4.41	2.38	0.54	1,000	4.27	2.31	0.54	1,050
29	26	4.83	2.03	0.42	970	4.69	1.97	0.42	1,020	4.62	1.94	0.42	1,050	4.48	1.88	0.42	1,081
30	18	4.11	3.87	0.94	808	3.94	3.70	0.94	848	3.78	3.55	0.94	889	3.64	3.42	0.94	929
30	20	4.29	3.52	0.82	848	4.11	3.37	0.82	899	3.99	3.27	0.82	919	3.85	3.16	0.82	960
30	22	4.46	3.12	0.70	879	4.31	3.01	0.70	934	4.20	2.94	0.70	960	4.03	2.82	0.70	1,000
30	24	4.69	2.72	0.58	919	4.52	2.62	0.58	970	4.41	2.56	0.58	1,000	4.27	2.48	0.58	1,050
30	26	4.83	2.22	0.46	970	4.69	2.16	0.46	1,020	4.62	2.13	0.46	1,050	4.48	2.06	0.46	1,081
31	18	4.11	4.03	0.98	808	3.94	3.86	0.98	848	3.78	3.70	0.98	889	3.64	3.57	0.98	929
31	20	4.29	3.69	0.86	848	4.11	3.54	0.86	899	3.99	3.43	0.86	919	3.85	3.31	0.86	960
31	22	4.46	3.30	0.74	879	4.31	3.19	0.74	934	4.20	3.11	0.74	960	4.03	2.98	0.74	1,000
31	24	4.69	2.91	0.62	919	4.52	2.80	0.62	970	4.41	2.73	0.62	1,000	4.27	2.65	0.62	1,050
31	26	4.83	2.42	0.50	970	4.69	2.35	0.50	1,020	4.62	2.31	0.50	1,050	4.48	2.24	0.50	1,081
32	18	4.11	4.11	1.00	808	3.94	3.94	1.00	848	3.78	3.78	1.00	889	3.64	3.64	1.00	929
32	20	4.29	3.86	0.90	848	4.11	3.70	0.90	899	3.99	3.59	0.90	919	3.85	3.47	0.90	960
32	22	4.46	3.48	0.78	879	4.31	3.36	0.78	934	4.20	3.28	0.78	960	4.03	3.14	0.78	1,000
32	24	4.69	3.10	0.66	919	4.52	2.98	0.66	970	4.41	2.91	0.66	1,000	4.27	2.82	0.66	1,050
32	26	4.83	2.61	0.54	970	4.69	2.53	0.54	1,020	4.62	2.49	0.54	1,050	4.48	2.42	0.54	1,081

CEILING-
CONCEALED
PERFORMANCE DATA

Note: Q : Total capacity (kW)
 SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
 INPUT : Total power input (W)

D.B.: Dry-bulb temperature
 W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-KD35VAQ, SEZ-KD35VAL / SUZ-KA35VA5
 CAPACITY : 3.5(kW) INPUT : 1010(W) SHF : 0.76

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.43	1.99	0.58	990	3.15	1.83	0.58	1,050	2.91	1.68	0.58	1,091
21	20	3.61	1.66	0.46	1,030	3.36	1.55	0.46	1,081	3.12	1.43	0.46	1,141
22	18	3.43	2.13	0.62	990	3.15	1.95	0.62	1,050	2.91	1.80	0.62	1,091
22	20	3.61	1.80	0.50	1,030	3.36	1.68	0.50	1,081	3.12	1.56	0.50	1,141
22	22	3.82	1.45	0.38	1,071	3.57	1.36	0.38	1,131	3.33	1.26	0.38	1,172
23	18	3.43	2.26	0.66	990	3.15	2.08	0.66	1,050	2.91	1.92	0.66	1,091
23	20	3.61	1.95	0.54	1,030	3.36	1.81	0.54	1,081	3.12	1.68	0.54	1,141
23	22	3.82	1.60	0.42	1,071	3.57	1.50	0.42	1,131	3.33	1.40	0.42	1,172
24	18	3.43	2.40	0.70	990	3.15	2.21	0.70	1,050	2.91	2.03	0.70	1,091
24	20	3.61	2.09	0.58	1,030	3.36	1.95	0.58	1,081	3.12	1.81	0.58	1,141
24	22	3.82	1.75	0.46	1,071	3.57	1.64	0.46	1,131	3.33	1.53	0.46	1,172
24	24	4.03	1.37	0.34	1,111	3.78	1.29	0.34	1,162	3.57	1.21	0.34	1,212
25	20	3.61	2.24	0.62	1,030	3.36	2.08	0.62	1,081	3.12	1.93	0.62	1,141
25	22	3.82	1.91	0.50	1,071	3.57	1.79	0.50	1,131	3.33	1.66	0.50	1,172
25	24	4.03	1.53	0.38	1,111	3.78	1.44	0.38	1,162	3.57	1.36	0.38	1,212
26	18	3.43	2.68	0.78	990	3.15	2.46	0.78	1,050	2.91	2.27	0.78	1,091
26	20	3.61	2.38	0.66	1,030	3.36	2.22	0.66	1,081	3.12	2.06	0.66	1,141
26	22	3.82	2.06	0.54	1,071	3.57	1.93	0.54	1,131	3.33	1.80	0.54	1,172
26	24	4.03	1.69	0.42	1,111	3.78	1.59	0.42	1,162	3.57	1.50	0.42	1,212
26	26	4.24	1.27	0.30	1,151	3.99	1.20	0.30	1,202	3.75	1.12	0.30	1,252
27	18	3.43	2.81	0.82	990	3.15	2.58	0.82	1,050	2.91	2.38	0.82	1,091
27	20	3.61	2.52	0.70	1,030	3.36	2.35	0.70	1,081	3.12	2.18	0.70	1,141
27	22	3.82	2.21	0.58	1,071	3.57	2.07	0.58	1,131	3.33	1.93	0.58	1,172
27	24	4.03	1.85	0.46	1,111	3.78	1.74	0.46	1,162	3.57	1.64	0.46	1,212
27	26	4.24	1.44	0.34	1,151	3.99	1.36	0.34	1,202	3.75	1.27	0.34	1,252
28	18	3.43	2.95	0.86	990	3.15	2.71	0.86	1,050	2.91	2.50	0.86	1,091
28	20	3.61	2.67	0.74	1,030	3.36	2.49	0.74	1,081	3.12	2.31	0.74	1,141
28	22	3.82	2.37	0.62	1,071	3.57	2.21	0.62	1,131	3.33	2.06	0.62	1,172
28	24	4.03	2.01	0.50	1,111	3.78	1.89	0.50	1,162	3.57	1.79	0.50	1,212
28	26	4.24	1.61	0.38	1,151	3.99	1.52	0.38	1,202	3.75	1.42	0.38	1,252
29	18	3.43	3.09	0.90	990	3.15	2.84	0.90	1,050	2.91	2.61	0.90	1,091
29	20	3.61	2.81	0.78	1,030	3.36	2.62	0.78	1,081	3.12	2.43	0.78	1,141
29	22	3.82	2.52	0.66	1,071	3.57	2.36	0.66	1,131	3.33	2.19	0.66	1,172
29	24	4.03	2.17	0.54	1,111	3.78	2.04	0.54	1,162	3.57	1.93	0.54	1,212
29	26	4.24	1.78	0.42	1,151	3.99	1.68	0.42	1,202	3.75	1.57	0.42	1,252
30	18	3.43	3.22	0.94	990	3.15	2.96	0.94	1,050	2.91	2.73	0.94	1,091
30	20	3.61	2.96	0.82	1,030	3.36	2.76	0.82	1,081	3.12	2.55	0.82	1,141
30	22	3.82	2.67	0.70	1,071	3.57	2.50	0.70	1,131	3.33	2.33	0.70	1,172
30	24	4.03	2.33	0.58	1,111	3.78	2.19	0.58	1,162	3.57	2.07	0.58	1,212
30	26	4.24	1.95	0.46	1,151	3.99	1.84	0.46	1,202	3.75	1.72	0.46	1,252
31	18	3.43	3.36	0.98	990	3.15	3.09	0.98	1,050	2.91	2.85	0.98	1,091
31	20	3.61	3.10	0.86	1,030	3.36	2.89	0.86	1,081	3.12	2.68	0.86	1,141
31	22	3.82	2.82	0.74	1,071	3.57	2.64	0.74	1,131	3.33	2.46	0.74	1,172
31	24	4.03	2.50	0.62	1,111	3.78	2.34	0.62	1,162	3.57	2.21	0.62	1,212
31	26	4.24	2.12	0.50	1,151	3.99	2.00	0.50	1,202	3.75	1.87	0.50	1,252
32	18	3.43	3.43	1.00	990	3.15	3.15	1.00	1,050	2.91	2.91	1.00	1,091
32	20	3.61	3.24	0.90	1,030	3.36	3.02	0.90	1,081	3.12	2.80	0.90	1,141
32	22	3.82	2.98	0.78	1,071	3.57	2.78	0.78	1,131	3.33	2.59	0.78	1,172
32	24	4.03	2.66	0.66	1,111	3.78	2.49	0.66	1,162	3.57	2.36	0.66	1,212
32	26	4.24	2.29	0.54	1,151	3.99	2.15	0.54	1,202	3.75	2.02	0.54	1,252

Note: Q : Total capacity (kW)
 SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
 INPUT : Total power input (W)

D.B.: Dry-bulb temperature
 W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-KD50VAQ, SEZ-KD50VAL / SUZ-KA50VA5
 CAPACITY : 5.1(kW) INPUT : 1580(W) SHF : 0.76

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.99	3.48	0.58	1,264	5.74	3.33	0.58	1,327	5.51	3.19	0.58	1,390	5.30	3.08	0.58	1,454
21	20	6.25	2.87	0.46	1,327	5.99	2.76	0.46	1,406	5.81	2.67	0.46	1,438	5.61	2.58	0.46	1,501
22	18	5.99	3.72	0.62	1,264	5.74	3.56	0.62	1,327	5.51	3.41	0.62	1,390	5.30	3.29	0.62	1,454
22	20	6.25	3.12	0.50	1,327	5.99	3.00	0.50	1,406	5.81	2.91	0.50	1,438	5.61	2.81	0.50	1,501
22	22	6.50	2.47	0.38	1,375	6.27	2.38	0.38	1,462	6.12	2.33	0.38	1,501	5.87	2.23	0.38	1,564
23	18	5.99	3.96	0.66	1,264	5.74	3.79	0.66	1,327	5.51	3.64	0.66	1,390	5.30	3.50	0.66	1,454
23	20	6.25	3.37	0.54	1,327	5.99	3.24	0.54	1,406	5.81	3.14	0.54	1,438	5.61	3.03	0.54	1,501
23	22	6.50	2.73	0.42	1,375	6.27	2.63	0.42	1,462	6.12	2.57	0.42	1,501	5.87	2.46	0.42	1,564
24	18	5.99	4.19	0.70	1,264	5.74	4.02	0.70	1,327	5.51	3.86	0.70	1,390	5.30	3.71	0.70	1,454
24	20	6.25	3.62	0.58	1,327	5.99	3.48	0.58	1,406	5.81	3.37	0.58	1,438	5.61	3.25	0.58	1,501
24	22	6.50	2.99	0.46	1,375	6.27	2.89	0.46	1,462	6.12	2.82	0.46	1,501	5.87	2.70	0.46	1,564
24	24	6.83	2.32	0.34	1,438	6.58	2.24	0.34	1,517	6.43	2.18	0.34	1,564	6.22	2.12	0.34	1,643
25	20	6.25	3.87	0.62	1,327	5.99	3.72	0.62	1,406	5.81	3.60	0.62	1,438	5.61	3.48	0.62	1,501
25	22	6.50	3.25	0.50	1,375	6.27	3.14	0.50	1,462	6.12	3.06	0.50	1,501	5.87	2.93	0.50	1,564
25	24	6.83	2.60	0.38	1,438	6.58	2.50	0.38	1,517	6.43	2.44	0.38	1,564	6.22	2.36	0.38	1,643
26	18	5.99	4.67	0.78	1,264	5.74	4.48	0.78	1,327	5.51	4.30	0.78	1,390	5.30	4.14	0.78	1,454
26	20	6.25	4.12	0.66	1,327	5.99	3.96	0.66	1,406	5.81	3.84	0.66	1,438	5.61	3.70	0.66	1,501
26	22	6.50	3.51	0.54	1,375	6.27	3.39	0.54	1,462	6.12	3.30	0.54	1,501	5.87	3.17	0.54	1,564
26	24	6.83	2.87	0.42	1,438	6.58	2.76	0.42	1,517	6.43	2.70	0.42	1,564	6.22	2.61	0.42	1,643
26	26	7.04	2.11	0.30	1,517	6.83	2.05	0.30	1,596	6.73	2.02	0.30	1,643	6.53	1.96	0.30	1,691
27	18	5.99	4.91	0.82	1,264	5.74	4.70	0.82	1,327	5.51	4.52	0.82	1,390	5.30	4.35	0.82	1,454
27	20	6.25	4.37	0.70	1,327	5.99	4.19	0.70	1,406	5.81	4.07	0.70	1,438	5.61	3.93	0.70	1,501
27	22	6.50	3.77	0.58	1,375	6.27	3.64	0.58	1,462	6.12	3.55	0.58	1,501	5.87	3.40	0.58	1,564
27	24	6.83	3.14	0.46	1,438	6.58	3.03	0.46	1,517	6.43	2.96	0.46	1,564	6.22	2.86	0.46	1,643
27	26	7.04	2.39	0.34	1,517	6.83	2.32	0.34	1,596	6.73	2.29	0.34	1,643	6.53	2.22	0.34	1,691
28	18	5.99	5.15	0.86	1,264	5.74	4.93	0.86	1,327	5.51	4.74	0.86	1,390	5.30	4.56	0.86	1,454
28	20	6.25	4.62	0.74	1,327	5.99	4.43	0.74	1,406	5.81	4.30	0.74	1,438	5.61	4.15	0.74	1,501
28	22	6.50	4.03	0.62	1,375	6.27	3.89	0.62	1,462	6.12	3.79	0.62	1,501	5.87	3.64	0.62	1,564
28	24	6.83	3.42	0.50	1,438	6.58	3.29	0.50	1,517	6.43	3.21	0.50	1,564	6.22	3.11	0.50	1,643
28	26	7.04	2.67	0.38	1,517	6.83	2.60	0.38	1,596	6.73	2.56	0.38	1,643	6.53	2.48	0.38	1,691
29	18	5.99	5.39	0.90	1,264	5.74	5.16	0.90	1,327	5.51	4.96	0.90	1,390	5.30	4.77	0.90	1,454
29	20	6.25	4.87	0.78	1,327	5.99	4.67	0.78	1,406	5.81	4.53	0.78	1,438	5.61	4.38	0.78	1,501
29	22	6.50	4.29	0.66	1,375	6.27	4.14	0.66	1,462	6.12	4.04	0.66	1,501	5.87	3.87	0.66	1,564
29	24	6.83	3.69	0.54	1,438	6.58	3.55	0.54	1,517	6.43	3.47	0.54	1,564	6.22	3.36	0.54	1,643
29	26	7.04	2.96	0.42	1,517	6.83	2.87	0.42	1,596	6.73	2.83	0.42	1,643	6.53	2.74	0.42	1,691
30	18	5.99	5.63	0.94	1,264	5.74	5.39	0.94	1,327	5.51	5.18	0.94	1,390	5.30	4.99	0.94	1,454
30	20	6.25	5.12	0.82	1,327	5.99	4.91	0.82	1,406	5.81	4.77	0.82	1,438	5.61	4.60	0.82	1,501
30	22	6.50	4.55	0.70	1,375	6.27	4.39	0.70	1,462	6.12	4.28	0.70	1,501	5.87	4.11	0.70	1,564
30	24	6.83	3.96	0.58	1,438	6.58	3.82	0.58	1,517	6.43	3.73	0.58	1,564	6.22	3.61	0.58	1,643
30	26	7.04	3.24	0.46	1,517	6.83	3.14	0.46	1,596	6.73	3.10	0.46	1,643	6.53	3.00	0.46	1,691
31	18	5.99	5.87	0.98	1,264	5.74	5.62	0.98	1,327	5.51	5.40	0.98	1,390	5.30	5.20	0.98	1,454
31	20	6.25	5.37	0.86	1,327	5.99	5.15	0.86	1,406	5.81	5.00	0.86	1,438	5.61	4.82	0.86	1,501
31	22	6.50	4.81	0.74	1,375	6.27	4.64	0.74	1,462	6.12	4.53	0.74	1,501	5.87	4.34	0.74	1,564
31	24	6.83	4.24	0.62	1,438	6.58	4.08	0.62	1,517	6.43	3.98	0.62	1,564	6.22	3.86	0.62	1,643
31	26	7.04	3.52	0.50	1,517	6.83	3.42	0.50	1,596	6.73	3.37	0.50	1,643	6.53	3.26	0.50	1,691
32	18	5.99	5.99	1.00	1,264	5.74	5.74	1.00	1,327	5.51	5.51	1.00	1,390	5.30	5.30	1.00	1,454
32	20	6.25	5.62	0.90	1,327	5.99	5.39	0.90	1,406	5.81	5.23	0.90	1,438	5.61	5.05	0.90	1,501
32	22	6.50	5.07	0.78	1,375	6.27	4.89	0.78	1,462	6.12	4.77	0.78	1,501	5.87	4.57	0.78	1,564
32	24	6.83	4.51	0.66	1,438	6.58	4.34	0.66	1,517	6.43	4.24	0.66	1,564	6.22	4.11	0.66	1,643
32	26	7.04	3.80	0.54	1,517	6.83	3.69	0.54	1,596	6.73	3.64	0.54	1,643	6.53	3.53	0.54	1,691

CEILING-
CONCEALED
PERFORMANCE DATA

Note: Q : Total capacity (kW)
 SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
 INPUT : Total power input (W)

D.B.: Dry-bulb temperature
 W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-KD50VAQ, SEZ-KD50VAL / SUZ-KA50VA5
 CAPACITY : 5.1(kW) INPUT : 1580(W) SHF : 0.76

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.00	2.90	0.58	1,548	4.59	2.66	0.58	1,643	4.23	2.46	0.58	1,706
21	20	5.25	2.42	0.46	1,612	4.90	2.25	0.46	1,691	4.54	2.09	0.46	1,785
22	18	5.00	3.10	0.62	1,548	4.59	2.85	0.62	1,643	4.23	2.62	0.62	1,706
22	20	5.25	2.63	0.50	1,612	4.90	2.45	0.50	1,691	4.54	2.27	0.50	1,785
22	22	5.56	2.11	0.38	1,675	5.20	1.98	0.38	1,770	4.85	1.84	0.38	1,833
23	18	5.00	3.30	0.66	1,548	4.59	3.03	0.66	1,643	4.23	2.79	0.66	1,706
23	20	5.25	2.84	0.54	1,612	4.90	2.64	0.54	1,691	4.54	2.45	0.54	1,785
23	22	5.56	2.33	0.42	1,675	5.20	2.18	0.42	1,770	4.85	2.03	0.42	1,833
24	18	5.00	3.50	0.70	1,548	4.59	3.21	0.70	1,643	4.23	2.96	0.70	1,706
24	20	5.25	3.05	0.58	1,612	4.90	2.84	0.58	1,691	4.54	2.63	0.58	1,785
24	22	5.56	2.56	0.46	1,675	5.20	2.39	0.46	1,770	4.85	2.23	0.46	1,833
24	24	5.87	1.99	0.34	1,738	5.51	1.87	0.34	1,817	5.20	1.77	0.34	1,896
25	20	5.25	3.26	0.62	1,612	4.90	3.04	0.62	1,691	4.54	2.81	0.62	1,785
25	22	5.56	2.78	0.50	1,675	5.20	2.60	0.50	1,770	4.85	2.42	0.50	1,833
25	24	5.87	2.23	0.38	1,738	5.51	2.09	0.38	1,817	5.20	1.98	0.38	1,896
26	18	5.00	3.90	0.78	1,548	4.59	3.58	0.78	1,643	4.23	3.30	0.78	1,706
26	20	5.25	3.47	0.66	1,612	4.90	3.23	0.66	1,691	4.54	3.00	0.66	1,785
26	22	5.56	3.00	0.54	1,675	5.20	2.81	0.54	1,770	4.85	2.62	0.54	1,833
26	24	5.87	2.46	0.42	1,738	5.51	2.31	0.42	1,817	5.20	2.18	0.42	1,896
26	26	6.17	1.85	0.30	1,801	5.81	1.74	0.30	1,880	5.46	1.64	0.30	1,959
27	18	5.00	4.10	0.82	1,548	4.59	3.76	0.82	1,643	4.23	3.47	0.82	1,706
27	20	5.25	3.68	0.70	1,612	4.90	3.43	0.70	1,691	4.54	3.18	0.70	1,785
27	22	5.56	3.22	0.58	1,675	5.20	3.02	0.58	1,770	4.85	2.81	0.58	1,833
27	24	5.87	2.70	0.46	1,738	5.51	2.53	0.46	1,817	5.20	2.39	0.46	1,896
27	26	6.17	2.10	0.34	1,801	5.81	1.98	0.34	1,880	5.46	1.86	0.34	1,959
28	18	5.00	4.30	0.86	1,548	4.59	3.95	0.86	1,643	4.23	3.64	0.86	1,706
28	20	5.25	3.89	0.74	1,612	4.90	3.62	0.74	1,691	4.54	3.36	0.74	1,785
28	22	5.56	3.45	0.62	1,675	5.20	3.23	0.62	1,770	4.85	3.00	0.62	1,833
28	24	5.87	2.93	0.50	1,738	5.51	2.75	0.50	1,817	5.20	2.60	0.50	1,896
28	26	6.17	2.34	0.38	1,801	5.81	2.21	0.38	1,880	5.46	2.07	0.38	1,959
29	18	5.00	4.50	0.90	1,548	4.59	4.13	0.90	1,643	4.23	3.81	0.90	1,706
29	20	5.25	4.10	0.78	1,612	4.90	3.82	0.78	1,691	4.54	3.54	0.78	1,785
29	22	5.56	3.67	0.66	1,675	5.20	3.43	0.66	1,770	4.85	3.20	0.66	1,833
29	24	5.87	3.17	0.54	1,738	5.51	2.97	0.54	1,817	5.20	2.81	0.54	1,896
29	26	6.17	2.59	0.42	1,801	5.81	2.44	0.42	1,880	5.46	2.29	0.42	1,959
30	18	5.00	4.70	0.94	1,548	4.59	4.31	0.94	1,643	4.23	3.98	0.94	1,706
30	20	5.25	4.31	0.82	1,612	4.90	4.01	0.82	1,691	4.54	3.72	0.82	1,785
30	22	5.56	3.89	0.70	1,675	5.20	3.64	0.70	1,770	4.85	3.39	0.70	1,833
30	24	5.87	3.40	0.58	1,738	5.51	3.19	0.58	1,817	5.20	3.02	0.58	1,896
30	26	6.17	2.84	0.46	1,801	5.81	2.67	0.46	1,880	5.46	2.51	0.46	1,959
31	18	5.00	4.90	0.98	1,548	4.59	4.50	0.98	1,643	4.23	4.15	0.98	1,706
31	20	5.25	4.52	0.86	1,612	4.90	4.21	0.86	1,691	4.54	3.90	0.86	1,785
31	22	5.56	4.11	0.74	1,675	5.20	3.85	0.74	1,770	4.85	3.59	0.74	1,833
31	24	5.87	3.64	0.62	1,738	5.51	3.41	0.62	1,817	5.20	3.23	0.62	1,896
31	26	6.17	3.09	0.50	1,801	5.81	2.91	0.50	1,880	5.46	2.73	0.50	1,959
32	18	5.00	5.00	1.00	1,548	4.59	4.59	1.00	1,643	4.23	4.23	1.00	1,706
32	20	5.25	4.73	0.90	1,612	4.90	4.41	0.90	1,691	4.54	4.09	0.90	1,785
32	22	5.56	4.34	0.78	1,675	5.20	4.06	0.78	1,770	4.85	3.78	0.78	1,833
32	24	5.87	3.87	0.66	1,738	5.51	3.64	0.66	1,817	5.20	3.43	0.66	1,896
32	26	6.17	3.33	0.54	1,801	5.81	3.14	0.54	1,880	5.46	2.95	0.54	1,959

CEILING-
CONCEALED
PERFORMANCE DATA

Note: Q : Total capacity (kW)
 SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
 INPUT : Total power input (W)

D.B.: Dry-bulb temperature
 W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-KD60VAQ, SEZ-KD60VAL / SUZ-KA60VA5
 CAPACITY : 5.6(kW) INPUT : 1740(W) SHF : 0.79

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.58	4.01	0.61	1,392	6.30	3.84	0.61	1,462	6.05	3.69	0.61	1,531	5.82	3.55	0.61	1,601
21	20	6.86	3.36	0.49	1,462	6.58	3.22	0.49	1,549	6.38	3.13	0.49	1,583	6.16	3.02	0.49	1,653
22	18	6.58	4.28	0.65	1,392	6.30	4.10	0.65	1,462	6.05	3.93	0.65	1,531	5.82	3.79	0.65	1,601
22	20	6.86	3.64	0.53	1,462	6.58	3.49	0.53	1,549	6.38	3.38	0.53	1,583	6.16	3.26	0.53	1,653
22	22	7.14	2.93	0.41	1,514	6.89	2.82	0.41	1,610	6.72	2.76	0.41	1,653	6.44	2.64	0.41	1,723
23	18	6.58	4.54	0.69	1,392	6.30	4.35	0.69	1,462	6.05	4.17	0.69	1,531	5.82	4.02	0.69	1,601
23	20	6.86	3.91	0.57	1,462	6.58	3.75	0.57	1,549	6.38	3.64	0.57	1,583	6.16	3.51	0.57	1,653
23	22	7.14	3.21	0.45	1,514	6.89	3.10	0.45	1,610	6.72	3.02	0.45	1,653	6.44	2.90	0.45	1,723
24	18	6.58	4.80	0.73	1,392	6.30	4.60	0.73	1,462	6.05	4.42	0.73	1,531	5.82	4.25	0.73	1,601
24	20	6.86	4.18	0.61	1,462	6.58	4.01	0.61	1,549	6.38	3.89	0.61	1,583	6.16	3.76	0.61	1,653
24	22	7.14	3.50	0.49	1,514	6.89	3.38	0.49	1,610	6.72	3.29	0.49	1,653	6.44	3.16	0.49	1,723
24	24	7.50	2.78	0.37	1,583	7.22	2.67	0.37	1,670	7.06	2.61	0.37	1,723	6.83	2.53	0.37	1,810
25	20	6.86	4.46	0.65	1,462	6.58	4.28	0.65	1,549	6.38	4.15	0.65	1,583	6.16	4.00	0.65	1,653
25	22	7.14	3.78	0.53	1,514	6.89	3.65	0.53	1,610	6.72	3.56	0.53	1,653	6.44	3.41	0.53	1,723
25	24	7.50	3.08	0.41	1,583	7.22	2.96	0.41	1,670	7.06	2.89	0.41	1,723	6.83	2.80	0.41	1,810
26	18	6.58	5.33	0.81	1,392	6.30	5.10	0.81	1,462	6.05	4.90	0.81	1,531	5.82	4.72	0.81	1,601
26	20	6.86	4.73	0.69	1,462	6.58	4.54	0.69	1,549	6.38	4.40	0.69	1,583	6.16	4.25	0.69	1,653
26	22	7.14	4.07	0.57	1,514	6.89	3.93	0.57	1,610	6.72	3.83	0.57	1,653	6.44	3.67	0.57	1,723
26	24	7.50	3.38	0.45	1,583	7.22	3.25	0.45	1,670	7.06	3.18	0.45	1,723	6.83	3.07	0.45	1,810
26	26	7.73	2.55	0.33	1,670	7.50	2.48	0.33	1,757	7.39	2.44	0.33	1,810	7.17	2.37	0.33	1,862
27	18	6.58	5.59	0.85	1,392	6.30	5.36	0.85	1,462	6.05	5.14	0.85	1,531	5.82	4.95	0.85	1,601
27	20	6.86	5.01	0.73	1,462	6.58	4.80	0.73	1,549	6.38	4.66	0.73	1,583	6.16	4.50	0.73	1,653
27	22	7.14	4.36	0.61	1,514	6.89	4.20	0.61	1,610	6.72	4.10	0.61	1,653	6.44	3.93	0.61	1,723
27	24	7.50	3.68	0.49	1,583	7.22	3.54	0.49	1,670	7.06	3.46	0.49	1,723	6.83	3.35	0.49	1,810
27	26	7.73	2.86	0.37	1,670	7.50	2.78	0.37	1,757	7.39	2.74	0.37	1,810	7.17	2.65	0.37	1,862
28	18	6.58	5.86	0.89	1,392	6.30	5.61	0.89	1,462	6.05	5.38	0.89	1,531	5.82	5.18	0.89	1,601
28	20	6.86	5.28	0.77	1,462	6.58	5.07	0.77	1,549	6.38	4.92	0.77	1,583	6.16	4.74	0.77	1,653
28	22	7.14	4.64	0.65	1,514	6.89	4.48	0.65	1,610	6.72	4.37	0.65	1,653	6.44	4.19	0.65	1,723
28	24	7.50	3.98	0.53	1,583	7.22	3.83	0.53	1,670	7.06	3.74	0.53	1,723	6.83	3.62	0.53	1,810
28	26	7.73	3.17	0.41	1,670	7.50	3.08	0.41	1,757	7.39	3.03	0.41	1,810	7.17	2.94	0.41	1,862
29	18	6.58	6.12	0.93	1,392	6.30	5.86	0.93	1,462	6.05	5.62	0.93	1,531	5.82	5.42	0.93	1,601
29	20	6.86	5.56	0.81	1,462	6.58	5.33	0.81	1,549	6.38	5.17	0.81	1,583	6.16	4.99	0.81	1,653
29	22	7.14	4.93	0.69	1,514	6.89	4.75	0.69	1,610	6.72	4.64	0.69	1,653	6.44	4.44	0.69	1,723
29	24	7.50	4.28	0.57	1,583	7.22	4.12	0.57	1,670	7.06	4.02	0.57	1,723	6.83	3.89	0.57	1,810
29	26	7.73	3.48	0.45	1,670	7.50	3.38	0.45	1,757	7.39	3.33	0.45	1,810	7.17	3.23	0.45	1,862
30	18	6.58	6.38	0.97	1,392	6.30	6.11	0.97	1,462	6.05	5.87	0.97	1,531	5.82	5.65	0.97	1,601
30	20	6.86	5.83	0.85	1,462	6.58	5.59	0.85	1,549	6.38	5.43	0.85	1,583	6.16	5.24	0.85	1,653
30	22	7.14	5.21	0.73	1,514	6.89	5.03	0.73	1,610	6.72	4.91	0.73	1,653	6.44	4.70	0.73	1,723
30	24	7.50	4.58	0.61	1,583	7.22	4.41	0.61	1,670	7.06	4.30	0.61	1,723	6.83	4.17	0.61	1,810
30	26	7.73	3.79	0.49	1,670	7.50	3.68	0.49	1,757	7.39	3.62	0.49	1,810	7.17	3.51	0.49	1,862
31	18	6.58	6.58	1.00	1,392	6.30	6.30	1.00	1,462	6.05	6.05	1.00	1,531	5.82	5.82	1.00	1,601
31	20	6.86	6.11	0.89	1,462	6.58	5.86	0.89	1,549	6.38	5.68	0.89	1,583	6.16	5.48	0.89	1,653
31	22	7.14	5.50	0.77	1,514	6.89	5.30	0.77	1,610	6.72	5.17	0.77	1,653	6.44	4.96	0.77	1,723
31	24	7.50	4.88	0.65	1,583	7.22	4.70	0.65	1,670	7.06	4.59	0.65	1,723	6.83	4.44	0.65	1,810
31	26	7.73	4.10	0.53	1,670	7.50	3.98	0.53	1,757	7.39	3.92	0.53	1,810	7.17	3.80	0.53	1,862
32	18	6.58	6.58	1.00	1,392	6.30	6.30	1.00	1,462	6.05	6.05	1.00	1,531	5.82	5.82	1.00	1,601
32	20	6.86	6.38	0.93	1,462	6.58	6.12	0.93	1,549	6.38	5.94	0.93	1,583	6.16	5.73	0.93	1,653
32	22	7.14	5.78	0.81	1,514	6.89	5.58	0.81	1,610	6.72	5.44	0.81	1,653	6.44	5.22	0.81	1,723
32	24	7.50	5.18	0.69	1,583	7.22	4.98	0.69	1,670	7.06	4.87	0.69	1,723	6.83	4.71	0.69	1,810
32	26	7.73	4.40	0.57	1,670	7.50	4.28	0.57	1,757	7.39	4.21	0.57	1,810	7.17	4.09	0.57	1,862

CEILING-
CONCEALED
PERFORMANCE DATA

Note: Q : Total capacity (kW)
 SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
 INPUT : Total power input (W)

D.B.: Dry-bulb temperature
 W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-KD60VAQ, SEZ-KD60VAL / SUZ-KA60VA5
 CAPACITY : 5.6(kW) INPUT : 1740(W) SHF : 0.79

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.49	3.35	0.61	1,705	5.04	3.07	0.61	1,810	4.65	2.84	0.61	1,879
21	20	5.77	2.83	0.49	1,775	5.38	2.63	0.49	1,862	4.98	2.44	0.49	1,966
22	18	5.49	3.57	0.65	1,705	5.04	3.28	0.65	1,810	4.65	3.02	0.65	1,879
22	20	5.77	3.06	0.53	1,775	5.38	2.85	0.53	1,862	4.98	2.64	0.53	1,966
22	22	6.10	2.50	0.41	1,844	5.71	2.34	0.41	1,949	5.32	2.18	0.41	2,018
23	18	5.49	3.79	0.69	1,705	5.04	3.48	0.69	1,810	4.65	3.21	0.69	1,879
23	20	5.77	3.29	0.57	1,775	5.38	3.06	0.57	1,862	4.98	2.84	0.57	1,966
23	22	6.10	2.75	0.45	1,844	5.71	2.57	0.45	1,949	5.32	2.39	0.45	2,018
24	18	5.49	4.01	0.73	1,705	5.04	3.68	0.73	1,810	4.65	3.39	0.73	1,879
24	20	5.77	3.52	0.61	1,775	5.38	3.28	0.61	1,862	4.98	3.04	0.61	1,966
24	22	6.10	2.99	0.49	1,844	5.71	2.80	0.49	1,949	5.32	2.61	0.49	2,018
24	24	6.44	2.38	0.37	1,914	6.05	2.24	0.37	2,001	5.71	2.11	0.37	2,088
25	20	5.77	3.75	0.65	1,775	5.38	3.49	0.65	1,862	4.98	3.24	0.65	1,966
25	22	6.10	3.24	0.53	1,844	5.71	3.03	0.53	1,949	5.32	2.82	0.53	2,018
25	24	6.44	2.64	0.41	1,914	6.05	2.48	0.41	2,001	5.71	2.34	0.41	2,088
26	18	5.49	4.45	0.81	1,705	5.04	4.08	0.81	1,810	4.65	3.76	0.81	1,879
26	20	5.77	3.98	0.69	1,775	5.38	3.71	0.69	1,862	4.98	3.44	0.69	1,966
26	22	6.10	3.48	0.57	1,844	5.71	3.26	0.57	1,949	5.32	3.03	0.57	2,018
26	24	6.44	2.90	0.45	1,914	6.05	2.72	0.45	2,001	5.71	2.57	0.45	2,088
26	26	6.78	2.24	0.33	1,984	6.38	2.11	0.33	2,071	5.99	1.98	0.33	2,158
27	18	5.49	4.66	0.85	1,705	5.04	4.28	0.85	1,810	4.65	3.95	0.85	1,879
27	20	5.77	4.21	0.73	1,775	5.38	3.92	0.73	1,862	4.98	3.64	0.73	1,966
27	22	6.10	3.72	0.61	1,844	5.71	3.48	0.61	1,949	5.32	3.25	0.61	2,018
27	24	6.44	3.16	0.49	1,914	6.05	2.96	0.49	2,001	5.71	2.80	0.49	2,088
27	26	6.78	2.51	0.37	1,984	6.38	2.36	0.37	2,071	5.99	2.22	0.37	2,158
28	18	5.49	4.88	0.89	1,705	5.04	4.49	0.89	1,810	4.65	4.14	0.89	1,879
28	20	5.77	4.44	0.77	1,775	5.38	4.14	0.77	1,862	4.98	3.84	0.77	1,966
28	22	6.10	3.97	0.65	1,844	5.71	3.71	0.65	1,949	5.32	3.46	0.65	2,018
28	24	6.44	3.41	0.53	1,914	6.05	3.21	0.53	2,001	5.71	3.03	0.53	2,088
28	26	6.78	2.78	0.41	1,984	6.38	2.62	0.41	2,071	5.99	2.46	0.41	2,158
29	18	5.49	5.10	0.93	1,705	5.04	4.69	0.93	1,810	4.65	4.32	0.93	1,879
29	20	5.77	4.67	0.81	1,775	5.38	4.35	0.81	1,862	4.98	4.04	0.81	1,966
29	22	6.10	4.21	0.69	1,844	5.71	3.94	0.69	1,949	5.32	3.67	0.69	2,018
29	24	6.44	3.67	0.57	1,914	6.05	3.45	0.57	2,001	5.71	3.26	0.57	2,088
29	26	6.78	3.05	0.45	1,984	6.38	2.87	0.45	2,071	5.99	2.70	0.45	2,158
30	18	5.49	5.32	0.97	1,705	5.04	4.89	0.97	1,810	4.65	4.51	0.97	1,879
30	20	5.77	4.90	0.85	1,775	5.38	4.57	0.85	1,862	4.98	4.24	0.85	1,966
30	22	6.10	4.46	0.73	1,844	5.71	4.17	0.73	1,949	5.32	3.88	0.73	2,018
30	24	6.44	3.93	0.61	1,914	6.05	3.69	0.61	2,001	5.71	3.48	0.61	2,088
30	26	6.78	3.32	0.49	1,984	6.38	3.13	0.49	2,071	5.99	2.94	0.49	2,158
31	18	5.49	5.49	1.00	1,705	5.04	5.04	1.00	1,810	4.65	4.65	1.00	1,879
31	20	5.77	5.13	0.89	1,775	5.38	4.78	0.89	1,862	4.98	4.44	0.89	1,966
31	22	6.10	4.70	0.77	1,844	5.71	4.40	0.77	1,949	5.32	4.10	0.77	2,018
31	24	6.44	4.19	0.65	1,914	6.05	3.93	0.65	2,001	5.71	3.71	0.65	2,088
31	26	6.78	3.59	0.53	1,984	6.38	3.38	0.53	2,071	5.99	3.18	0.53	2,158
32	18	5.49	5.49	1.00	1,705	5.04	5.04	1.00	1,810	4.65	4.65	1.00	1,879
32	20	5.77	5.36	0.93	1,775	5.38	5.00	0.93	1,862	4.98	4.64	0.93	1,966
32	22	6.10	4.94	0.81	1,844	5.71	4.63	0.81	1,949	5.32	4.31	0.81	2,018
32	24	6.44	4.44	0.69	1,914	6.05	4.17	0.69	2,001	5.71	3.94	0.69	2,088
32	26	6.78	3.86	0.57	1,984	6.38	3.64	0.57	2,071	5.99	3.42	0.57	2,158

CEILING-
CONCEALED
PERFORMANCE DATA

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
INPUT : Total power input (W)

D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-KD71VAQ, SEZ-KD71VAL / SUZ-KA71VA5
 CAPACITY : 7.1(kW) INPUT : 2210(W) SHF : 0.74

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8.34	4.67	0.56	1,768	7.99	4.47	0.56	1,856	7.67	4.29	0.56	1,945	7.38	4.14	0.56	2,033
21	20	8.70	3.83	0.44	1,856	8.34	3.67	0.44	1,967	8.09	3.56	0.44	2,011	7.81	3.44	0.44	2,100
22	18	8.34	5.01	0.60	1,768	7.99	4.79	0.60	1,856	7.67	4.60	0.60	1,945	7.38	4.43	0.60	2,033
22	20	8.70	4.17	0.48	1,856	8.34	4.00	0.48	1,967	8.09	3.89	0.48	2,011	7.81	3.75	0.48	2,100
22	22	9.05	3.26	0.36	1,923	8.73	3.14	0.36	2,044	8.52	3.07	0.36	2,100	8.17	2.94	0.36	2,188
23	18	8.34	5.34	0.64	1,768	7.99	5.11	0.64	1,856	7.67	4.91	0.64	1,945	7.38	4.73	0.64	2,033
23	20	8.70	4.52	0.52	1,856	8.34	4.34	0.52	1,967	8.09	4.21	0.52	2,011	7.81	4.06	0.52	2,100
23	22	9.05	3.62	0.40	1,923	8.73	3.49	0.40	2,044	8.52	3.41	0.40	2,100	8.17	3.27	0.40	2,188
24	18	8.34	5.67	0.68	1,768	7.99	5.43	0.68	1,856	7.67	5.21	0.68	1,945	7.38	5.02	0.68	2,033
24	20	8.70	4.87	0.56	1,856	8.34	4.67	0.56	1,967	8.09	4.53	0.56	2,011	7.81	4.37	0.56	2,100
24	22	9.05	3.98	0.44	1,923	8.73	3.84	0.44	2,044	8.52	3.75	0.44	2,100	8.17	3.59	0.44	2,188
24	24	9.51	3.04	0.32	2,011	9.16	2.93	0.32	2,122	8.95	2.86	0.32	2,188	8.66	2.77	0.32	2,298
25	20	8.70	5.22	0.60	1,856	8.34	5.01	0.60	1,967	8.09	4.86	0.60	2,011	7.81	4.69	0.60	2,100
25	22	9.05	4.35	0.48	1,923	8.73	4.19	0.48	2,044	8.52	4.09	0.48	2,100	8.17	3.92	0.48	2,188
25	24	9.51	3.43	0.36	2,011	9.16	3.30	0.36	2,122	8.95	3.22	0.36	2,188	8.66	3.12	0.36	2,298
26	18	8.34	6.34	0.76	1,768	7.99	6.07	0.76	1,856	7.67	5.83	0.76	1,945	7.38	5.61	0.76	2,033
26	20	8.70	5.57	0.64	1,856	8.34	5.34	0.64	1,967	8.09	5.18	0.64	2,011	7.81	5.00	0.64	2,100
26	22	9.05	4.71	0.52	1,923	8.73	4.54	0.52	2,044	8.52	4.43	0.52	2,100	8.17	4.25	0.52	2,188
26	24	9.51	3.81	0.40	2,011	9.16	3.66	0.40	2,122	8.95	3.58	0.40	2,188	8.66	3.46	0.40	2,298
26	26	9.80	2.74	0.28	2,122	9.51	2.66	0.28	2,232	9.37	2.62	0.28	2,298	9.09	2.54	0.28	2,365
27	18	8.34	6.67	0.80	1,768	7.99	6.39	0.80	1,856	7.67	6.13	0.80	1,945	7.38	5.91	0.80	2,033
27	20	8.70	5.91	0.68	1,856	8.34	5.67	0.68	1,967	8.09	5.50	0.68	2,011	7.81	5.31	0.68	2,100
27	22	9.05	5.07	0.56	1,923	8.73	4.89	0.56	2,044	8.52	4.77	0.56	2,100	8.17	4.57	0.56	2,188
27	24	9.51	4.19	0.44	2,011	9.16	4.03	0.44	2,122	8.95	3.94	0.44	2,188	8.66	3.81	0.44	2,298
27	26	9.80	3.14	0.32	2,122	9.51	3.04	0.32	2,232	9.37	3.00	0.32	2,298	9.09	2.91	0.32	2,365
28	18	8.34	7.01	0.84	1,768	7.99	6.71	0.84	1,856	7.67	6.44	0.84	1,945	7.38	6.20	0.84	2,033
28	20	8.70	6.26	0.72	1,856	8.34	6.01	0.72	1,967	8.09	5.83	0.72	2,011	7.81	5.62	0.72	2,100
28	22	9.05	5.43	0.60	1,923	8.73	5.24	0.60	2,044	8.52	5.11	0.60	2,100	8.17	4.90	0.60	2,188
28	24	9.51	4.57	0.48	2,011	9.16	4.40	0.48	2,122	8.95	4.29	0.48	2,188	8.66	4.16	0.48	2,298
28	26	9.80	3.53	0.36	2,122	9.51	3.43	0.36	2,232	9.37	3.37	0.36	2,298	9.09	3.27	0.36	2,365
29	18	8.34	7.34	0.88	1,768	7.99	7.03	0.88	1,856	7.67	6.75	0.88	1,945	7.38	6.50	0.88	2,033
29	20	8.70	6.61	0.76	1,856	8.34	6.34	0.76	1,967	8.09	6.15	0.76	2,011	7.81	5.94	0.76	2,100
29	22	9.05	5.79	0.64	1,923	8.73	5.59	0.64	2,044	8.52	5.45	0.64	2,100	8.17	5.23	0.64	2,188
29	24	9.51	4.95	0.52	2,011	9.16	4.76	0.52	2,122	8.95	4.65	0.52	2,188	8.66	4.50	0.52	2,298
29	26	9.80	3.92	0.40	2,122	9.51	3.81	0.40	2,232	9.37	3.75	0.40	2,298	9.09	3.64	0.40	2,365
30	18	8.34	7.68	0.92	1,768	7.99	7.35	0.92	1,856	7.67	7.05	0.92	1,945	7.38	6.79	0.92	2,033
30	20	8.70	6.96	0.80	1,856	8.34	6.67	0.80	1,967	8.09	6.48	0.80	2,011	7.81	6.25	0.80	2,100
30	22	9.05	6.16	0.68	1,923	8.73	5.94	0.68	2,044	8.52	5.79	0.68	2,100	8.17	5.55	0.68	2,188
30	24	9.51	5.33	0.56	2,011	9.16	5.13	0.56	2,122	8.95	5.01	0.56	2,188	8.66	4.85	0.56	2,298
30	26	9.80	4.31	0.44	2,122	9.51	4.19	0.44	2,232	9.37	4.12	0.44	2,298	9.09	4.00	0.44	2,365
31	18	8.34	8.01	0.96	1,768	7.99	7.67	0.96	1,856	7.67	7.36	0.96	1,945	7.38	7.09	0.96	2,033
31	20	8.70	7.31	0.84	1,856	8.34	7.01	0.84	1,967	8.09	6.80	0.84	2,011	7.81	6.56	0.84	2,100
31	22	9.05	6.52	0.72	1,923	8.73	6.29	0.72	2,044	8.52	6.13	0.72	2,100	8.17	5.88	0.72	2,188
31	24	9.51	5.71	0.60	2,011	9.16	5.50	0.60	2,122	8.95	5.37	0.60	2,188	8.66	5.20	0.60	2,298
31	26	9.80	4.70	0.48	2,122	9.51	4.57	0.48	2,232	9.37	4.50	0.48	2,298	9.09	4.36	0.48	2,365
32	18	8.34	8.34	1.00	1,768	7.99	7.99	1.00	1,856	7.67	7.67	1.00	1,945	7.38	7.38	1.00	2,033
32	20	8.70	7.65	0.88	1,856	8.34	7.34	0.88	1,967	8.09	7.12	0.88	2,011	7.81	6.87	0.88	2,100
32	22	9.05	6.88	0.76	1,923	8.73	6.64	0.76	2,044	8.52	6.48	0.76	2,100	8.17	6.21	0.76	2,188
32	24	9.51	6.09	0.64	2,011	9.16	5.86	0.64	2,122	8.95	5.73	0.64	2,188	8.66	5.54	0.64	2,298
32	26	9.80	5.09	0.52	2,122	9.51	4.95	0.52	2,232	9.37	4.87	0.52	2,298	9.09	4.73	0.52	2,365

CEILING-
CONCEALED
PERFORMANCE DATA

Note: Q : Total capacity (kW)
 SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
 INPUT : Total power input (W)

D.B.: Dry-bulb temperature
 W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-KD71VAQ, SEZ-KD71VAL / SUZ-KA71VA5
 CAPACITY : 7.1(kW) INPUT : 2210(W) SHF : 0.74

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.96	3.90	0.56	2,166	6.39	3.58	0.56	2,298	5.89	3.30	0.56	2,387
21	20	7.31	3.22	0.44	2,254	6.82	3.00	0.44	2,365	6.32	2.78	0.44	2,497
22	18	6.96	4.17	0.60	2,166	6.39	3.83	0.60	2,298	5.89	3.54	0.60	2,387
22	20	7.31	3.51	0.48	2,254	6.82	3.27	0.48	2,365	6.32	3.03	0.48	2,497
22	22	7.74	2.79	0.36	2,343	7.24	2.61	0.36	2,475	6.75	2.43	0.36	2,564
23	18	6.96	4.45	0.64	2,166	6.39	4.09	0.64	2,298	5.89	3.77	0.64	2,387
23	20	7.31	3.80	0.52	2,254	6.82	3.54	0.52	2,365	6.32	3.29	0.52	2,497
23	22	7.74	3.10	0.40	2,343	7.24	2.90	0.40	2,475	6.75	2.70	0.40	2,564
24	18	6.96	4.73	0.68	2,166	6.39	4.35	0.68	2,298	5.89	4.01	0.68	2,387
24	20	7.31	4.10	0.56	2,254	6.82	3.82	0.56	2,365	6.32	3.54	0.56	2,497
24	22	7.74	3.41	0.44	2,343	7.24	3.19	0.44	2,475	6.75	2.97	0.44	2,564
24	24	8.17	2.61	0.32	2,431	7.67	2.45	0.32	2,542	7.24	2.32	0.32	2,652
25	20	7.31	4.39	0.60	2,254	6.82	4.09	0.60	2,365	6.32	3.79	0.60	2,497
25	22	7.74	3.71	0.48	2,343	7.24	3.48	0.48	2,475	6.75	3.24	0.48	2,564
25	24	8.17	2.94	0.36	2,431	7.67	2.76	0.36	2,542	7.24	2.61	0.36	2,652
26	18	6.96	5.29	0.76	2,166	6.39	4.86	0.76	2,298	5.89	4.48	0.76	2,387
26	20	7.31	4.68	0.64	2,254	6.82	4.36	0.64	2,365	6.32	4.04	0.64	2,497
26	22	7.74	4.02	0.52	2,343	7.24	3.77	0.52	2,475	6.75	3.51	0.52	2,564
26	24	8.17	3.27	0.40	2,431	7.67	3.07	0.40	2,542	7.24	2.90	0.40	2,652
26	26	8.59	2.41	0.28	2,519	8.09	2.27	0.28	2,630	7.60	2.13	0.28	2,740
27	18	6.96	5.57	0.80	2,166	6.39	5.11	0.80	2,298	5.89	4.71	0.80	2,387
27	20	7.31	4.97	0.68	2,254	6.82	4.63	0.68	2,365	6.32	4.30	0.68	2,497
27	22	7.74	4.33	0.56	2,343	7.24	4.06	0.56	2,475	6.75	3.78	0.56	2,564
27	24	8.17	3.59	0.44	2,431	7.67	3.37	0.44	2,542	7.24	3.19	0.44	2,652
27	26	8.59	2.75	0.32	2,519	8.09	2.59	0.32	2,630	7.60	2.43	0.32	2,740
28	18	6.96	5.84	0.84	2,166	6.39	5.37	0.84	2,298	5.89	4.95	0.84	2,387
28	20	7.31	5.27	0.72	2,254	6.82	4.91	0.72	2,365	6.32	4.55	0.72	2,497
28	22	7.74	4.64	0.60	2,343	7.24	4.35	0.60	2,475	6.75	4.05	0.60	2,564
28	24	8.17	3.92	0.48	2,431	7.67	3.68	0.48	2,542	7.24	3.48	0.48	2,652
28	26	8.59	3.09	0.36	2,519	8.09	2.91	0.36	2,630	7.60	2.73	0.36	2,740
29	18	6.96	6.12	0.88	2,166	6.39	5.62	0.88	2,298	5.89	5.19	0.88	2,387
29	20	7.31	5.56	0.76	2,254	6.82	5.18	0.76	2,365	6.32	4.80	0.76	2,497
29	22	7.74	4.95	0.64	2,343	7.24	4.63	0.64	2,475	6.75	4.32	0.64	2,564
29	24	8.17	4.25	0.52	2,431	7.67	3.99	0.52	2,542	7.24	3.77	0.52	2,652
29	26	8.59	3.44	0.40	2,519	8.09	3.24	0.40	2,630	7.60	3.04	0.40	2,740
30	18	6.96	6.40	0.92	2,166	6.39	5.88	0.92	2,298	5.89	5.42	0.92	2,387
30	20	7.31	5.85	0.80	2,254	6.82	5.45	0.80	2,365	6.32	5.06	0.80	2,497
30	22	7.74	5.26	0.68	2,343	7.24	4.92	0.68	2,475	6.75	4.59	0.68	2,564
30	24	8.17	4.57	0.56	2,431	7.67	4.29	0.56	2,542	7.24	4.06	0.56	2,652
30	26	8.59	3.78	0.44	2,519	8.09	3.56	0.44	2,630	7.60	3.34	0.44	2,740
31	18	6.96	6.68	0.96	2,166	6.39	6.13	0.96	2,298	5.89	5.66	0.96	2,387
31	20	7.31	6.14	0.84	2,254	6.82	5.73	0.84	2,365	6.32	5.31	0.84	2,497
31	22	7.74	5.57	0.72	2,343	7.24	5.21	0.72	2,475	6.75	4.86	0.72	2,564
31	24	8.17	4.90	0.60	2,431	7.67	4.60	0.60	2,542	7.24	4.35	0.60	2,652
31	26	8.59	4.12	0.48	2,519	8.09	3.89	0.48	2,630	7.60	3.65	0.48	2,740
32	18	6.96	6.96	1.00	2,166	6.39	6.39	1.00	2,298	5.89	5.89	1.00	2,387
32	20	7.31	6.44	0.88	2,254	6.82	6.00	0.88	2,365	6.32	5.56	0.88	2,497
32	22	7.74	5.88	0.76	2,343	7.24	5.50	0.76	2,475	6.75	5.13	0.76	2,564
32	24	8.17	5.23	0.64	2,431	7.67	4.91	0.64	2,542	7.24	4.63	0.64	2,652
32	26	8.59	4.47	0.52	2,519	8.09	4.21	0.52	2,630	7.60	3.95	0.52	2,740

CEILING-
CONCEALED
PERFORMANCE DATA

Note: Q : Total capacity (kW)
 SHC : Sensible heat capacity (kW)

SHF : Sensible heat factor
 INPUT : Total power input (W)

D.B.: Dry-bulb temperature
 W.B.: Wet-bulb temperature

HEATING operation**SEZ-KD25VAQ, SEZ-KD25VAL / SUZ-KA25VA5 at Rated frequency**

CAPACITY : 2.9(kW) INPUT : 803(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	1.45	418	1.83	522	2.20	626	2.58	707	2.96	763	3.34	811	3.68	835	4.06	851
21	1.36	445	1.74	562	2.09	666	2.47	739	2.81	795	3.19	835	3.54	859	3.90	891
26	1.19	482	1.57	602	1.94	707	2.29	779	2.67	835	3.05	875	3.39	899	3.77	923

SEZ-KD35VAQ, SEZ-KD35VAL / SUZ-KA35VA5 at Rated frequency

CAPACITY : 4.2(kW) INPUT : 1130(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.10	588	2.65	735	3.19	881	3.74	994	4.28	1,074	4.83	1,141	5.33	1,175	5.88	1,198
21	1.97	626	2.52	791	3.02	938	3.57	1,040	4.07	1,119	4.62	1,175	5.12	1,209	5.65	1,254
26	1.72	678	2.27	848	2.81	994	3.32	1,096	3.86	1,175	4.41	1,232	4.91	1,266	5.46	1,300

SEZ-KD50VAQ, SEZ-KD50VAL / SUZ-KA50VA5 at Rated frequency

CAPACITY : 6.4(kW) INPUT : 1800(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.20	936	4.03	1,170	4.86	1,404	5.70	1,584	6.53	1,710	7.36	1,818	8.13	1,872	8.96	1,908
21	3.01	997	3.84	1,260	4.61	1,494	5.44	1,656	6.21	1,782	7.04	1,872	7.81	1,926	8.61	1,998
26	2.62	1,080	3.46	1,350	4.29	1,584	5.06	1,746	5.89	1,872	6.72	1,962	7.49	2,016	8.32	2,070

SEZ-KD60VAQ, SEZ-KD60VAL / SUZ-KA60VA5 at Rated frequency

CAPACITY : 7.4(kW) INPUT : 2200(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.70	1,177	4.66	1,430	5.62	1,716	6.59	1,936	7.55	2,090	8.51	2,222	9.40	2,288	10.36	2,332
21	3.48	1,254	4.44	1,540	5.33	1,826	6.29	2,024	7.18	2,178	8.14	2,288	9.03	2,354	9.95	2,442
26	3.03	1,357	4.00	1,650	4.96	1,936	5.85	2,134	6.81	2,288	7.77	2,398	8.66	2,464	9.62	2,530

SEZ-KD71VAQ, SEZ-KD71VAL / SUZ-KA71VA5 at Rated frequency

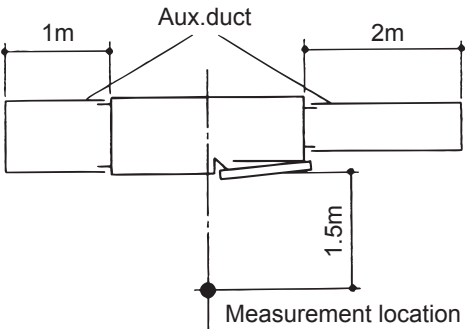
CAPACITY : 8.1(kW) INPUT : 2268(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	4.05	1,213	5.10	1,474	6.16	1,769	7.21	1,996	8.26	2,155	9.32	2,291	10.29	2,359	11.34	2,404
21	3.81	1,293	4.86	1,588	5.83	1,882	6.89	2,087	7.86	2,245	8.91	2,359	9.88	2,427	10.89	2,517
26	3.32	1,399	4.37	1,701	5.43	1,996	6.40	2,200	7.45	2,359	8.51	2,472	9.48	2,540	10.53	2,608

Note: Q : Total capacity (kW) INPUT : Total power input (W) D.B.: Dry-bulb temperature W.B.: Wet-bulb temperature

B.2.6 NOISE CRITERIA CURVES

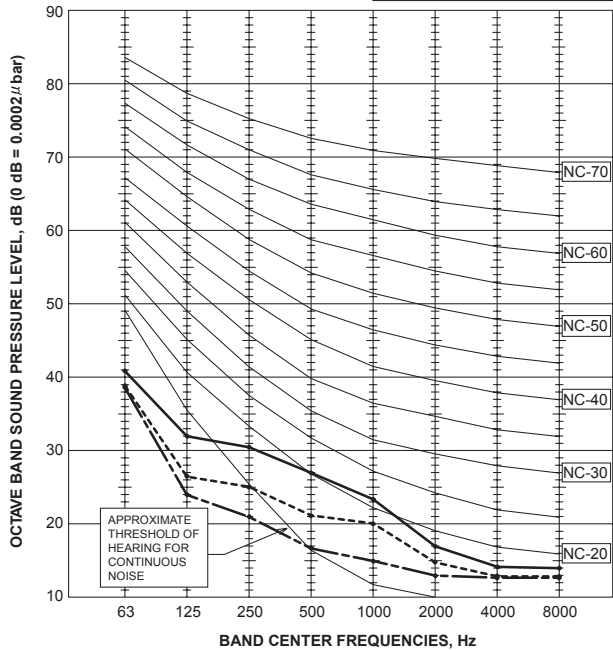
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.



SEZ-KD25VAQ
SEZ-KD25VAL

External static pressure: 5Pa

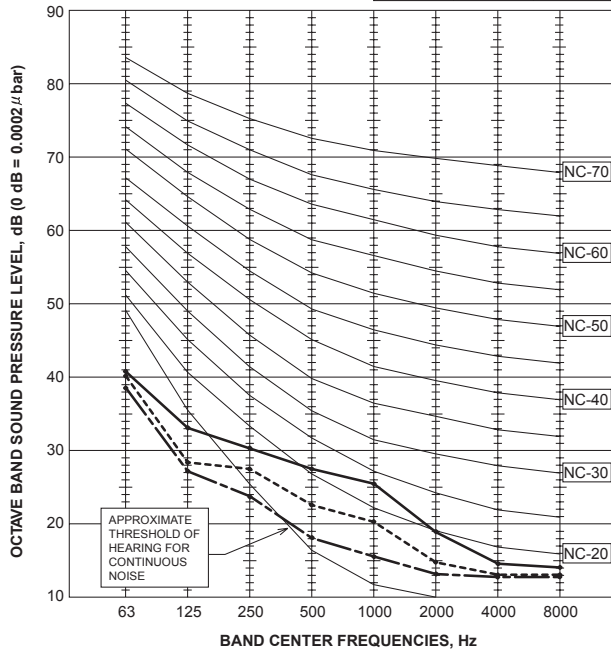
NOTCH	SPL(dB)	LINE
High	29	————
Middle	25	- - - - -
Low	22	— · — · —



SEZ-KD25VAQ
SEZ-KD25VAL

External static pressure: 15Pa

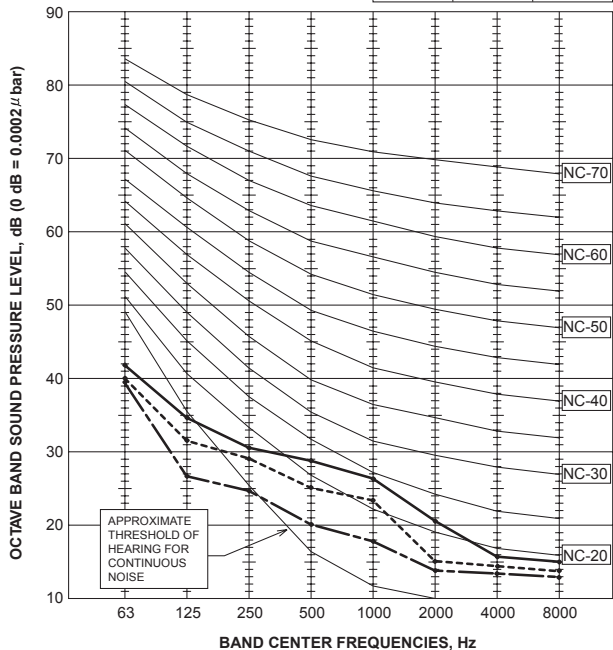
NOTCH	SPL(dB)	LINE
High	30	————
Middle	26	- - - - -
Low	23	— · — · —



SEZ-KD25VAQ
SEZ-KD25VAL

External static pressure: 35Pa

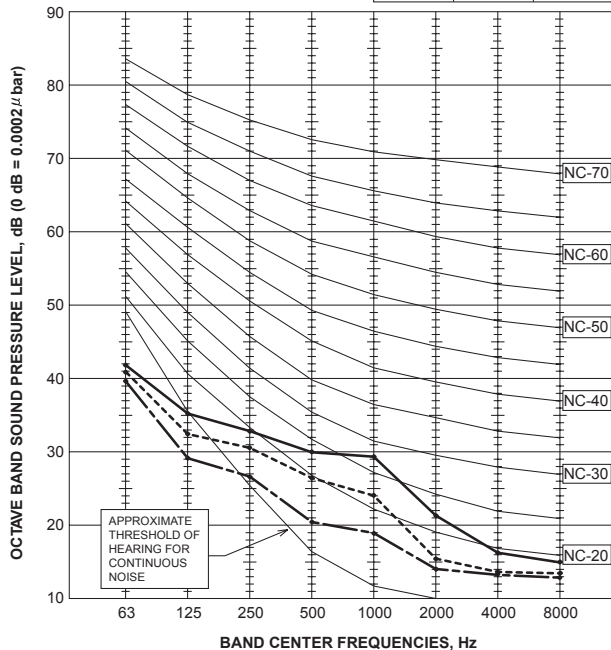
NOTCH	SPL(dB)	LINE
High	31	————
Middle	28	- - - - -
Low	24	— · — · —



SEZ-KD25VAQ
SEZ-KD25VAL

External static pressure: 50Pa

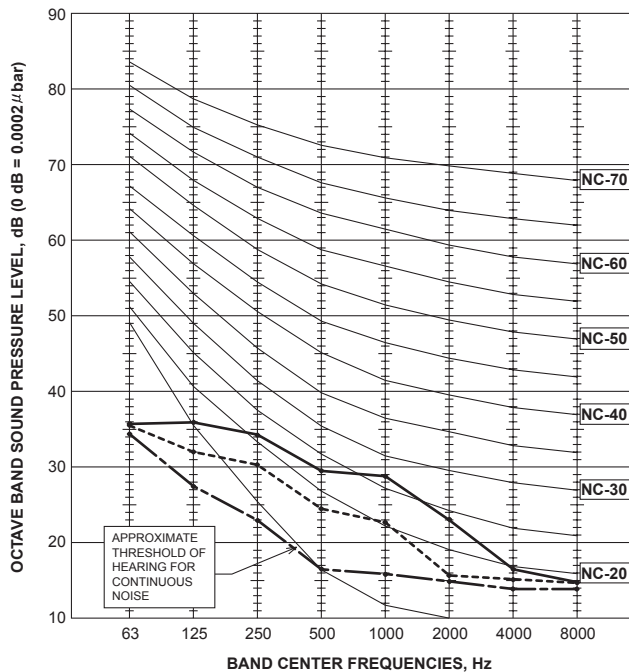
NOTCH	SPL(dB)	LINE
High	33	————
Middle	29	- - - - -
Low	25	— · — · —



SEZ-KD35VAQ
SEZ-KD35VAL

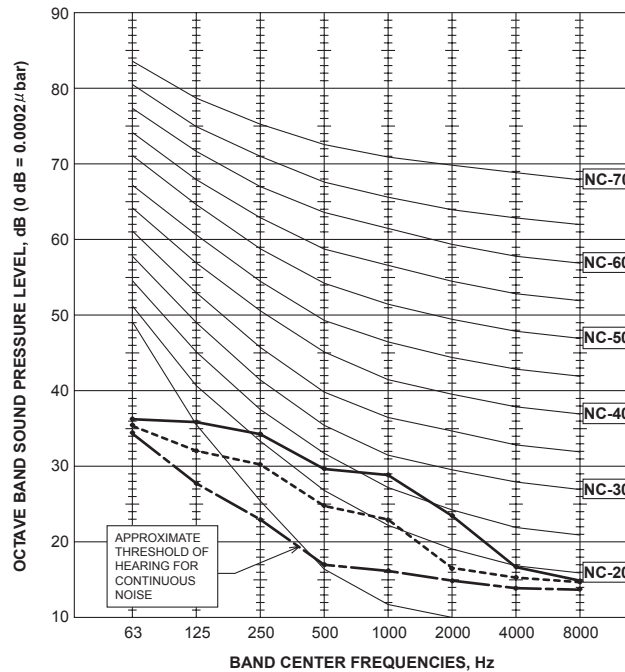
External static pressure: 5Pa

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


SEZ-KD35VAQ
SEZ-KD35VAL

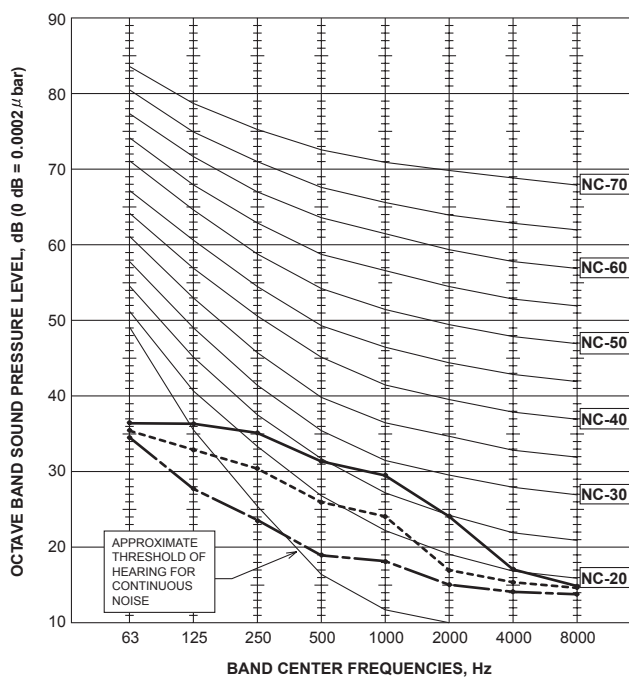
External static pressure: 15Pa

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


SEZ-KD35VAQ
SEZ-KD35VAL

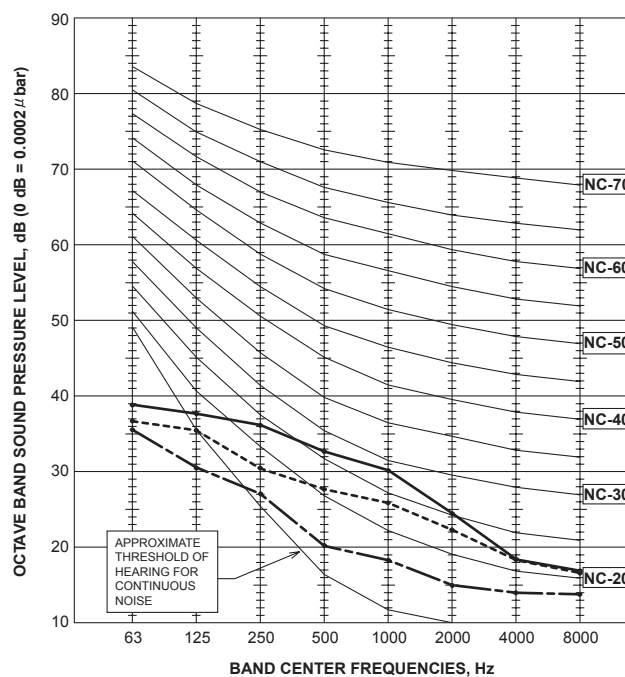
External static pressure: 35Pa

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


SEZ-KD35VAQ
SEZ-KD35VAL

External static pressure: 50Pa

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

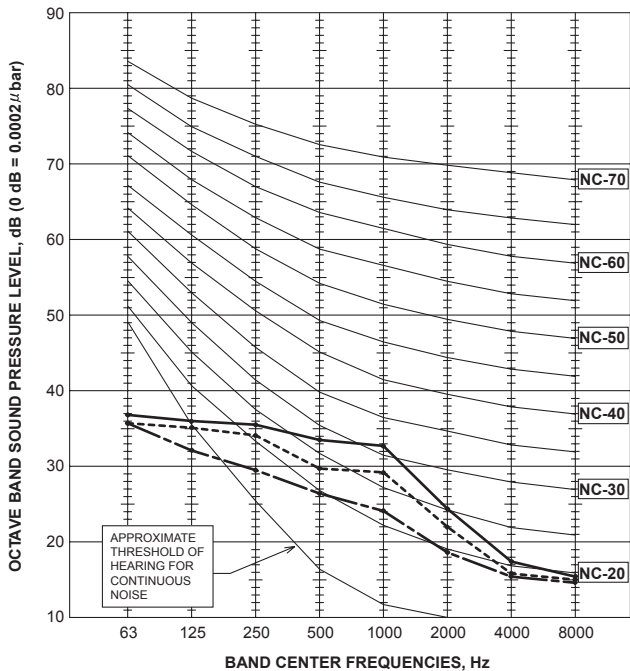


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.

SEZ-KD50VAQ
SEZ-KD50VAL

External static pressure: 5Pa

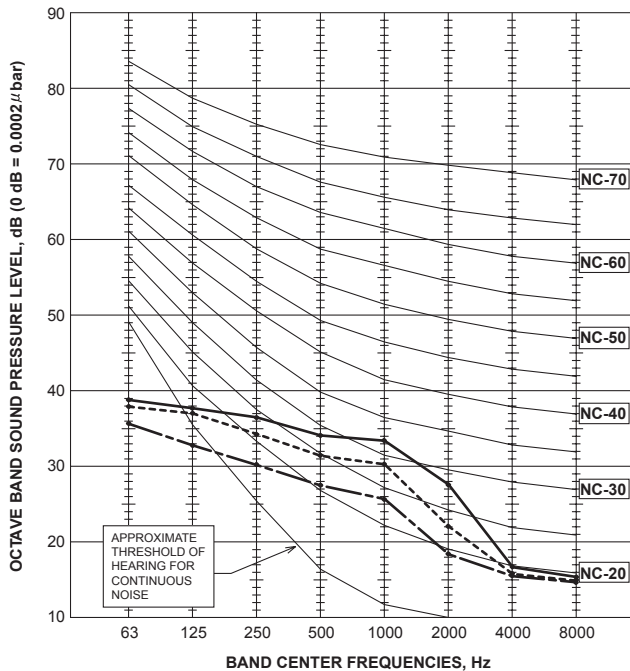
NOTCH	SPL(dB)	LINE
High	36	
Middle	33	
Low	29	



SEZ-KD50VAQ
SEZ-KD50VAL

External static pressure: 15Pa

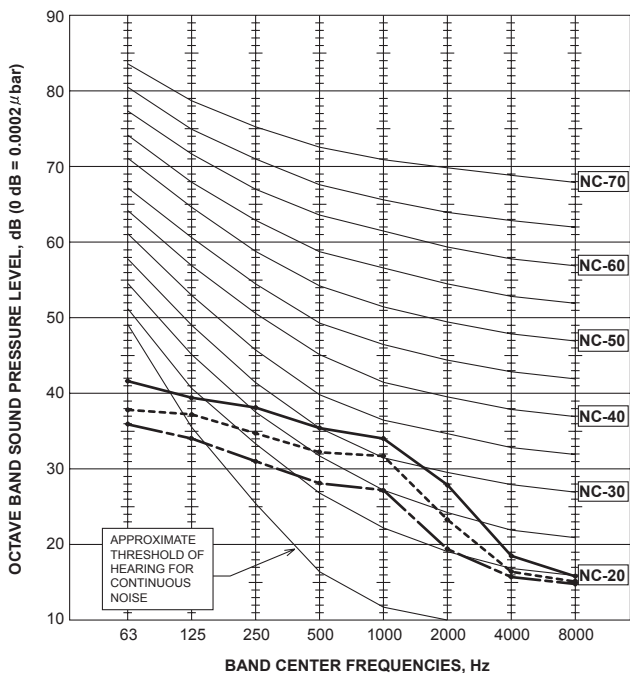
NOTCH	SPL(dB)	LINE
High	37	
Middle	34	
Low	30	



SEZ-KD50VAQ
SEZ-KD50VAL

External static pressure: 35Pa

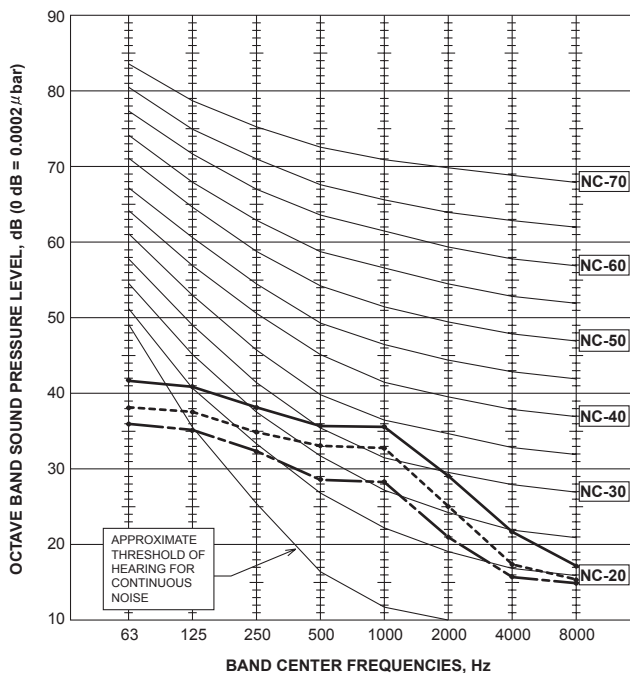
NOTCH	SPL(dB)	LINE
High	38	
Middle	35	
Low	31	



SEZ-KD50VAQ
SEZ-KD50VAL

External static pressure: 50Pa

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

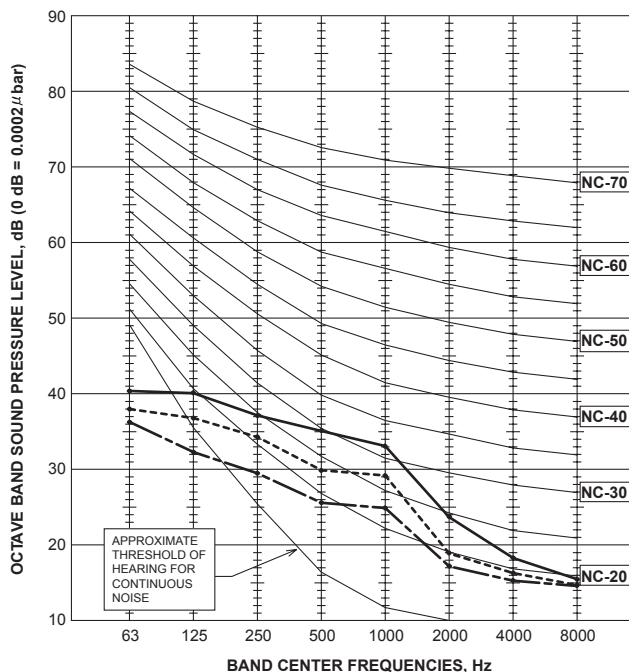


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be high by about 2 dB than the indicated level during cooling and heating operation.

SEZ-KD60VAQ
SEZ-KD60VAL

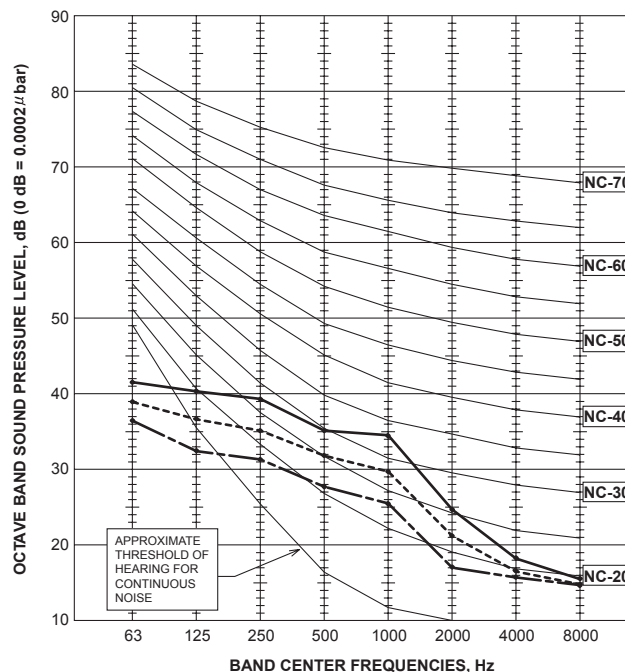
External static pressure: 5Pa

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


SEZ-KD60VAQ
SEZ-KD60VAL

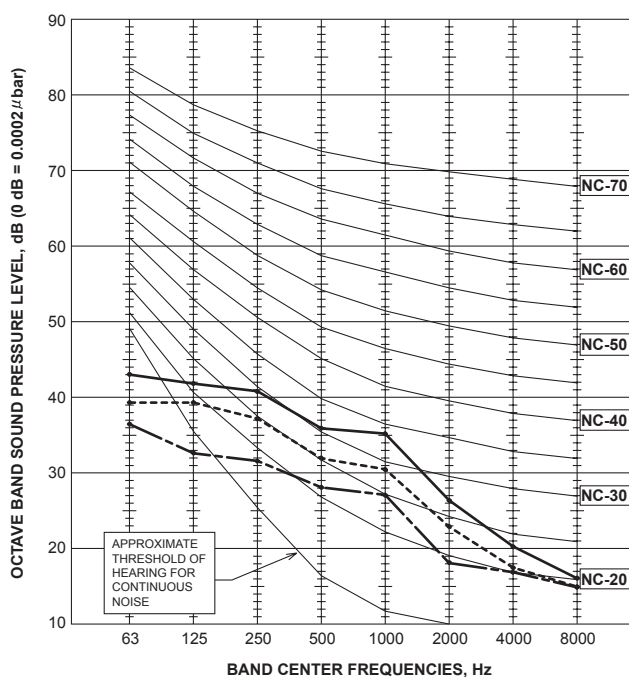
External static pressure: 15Pa

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


SEZ-KD60VAQ
SEZ-KD60VAL

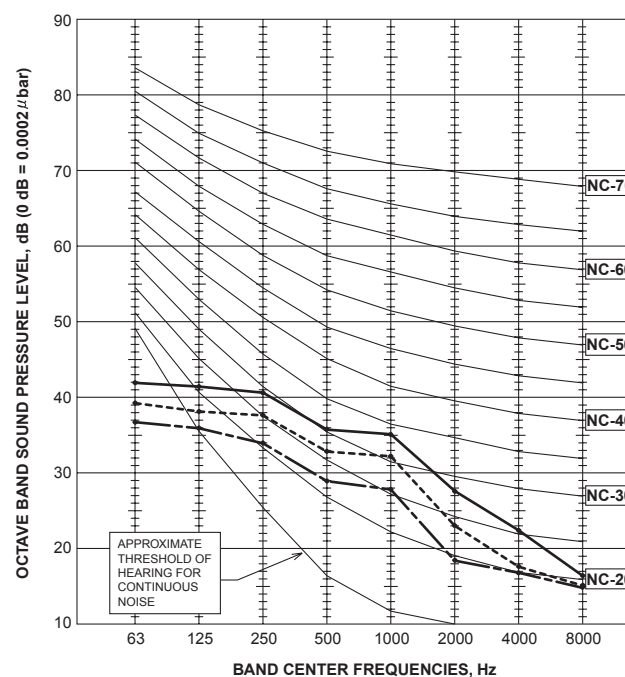
External static pressure: 35Pa

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


SEZ-KD60VAQ
SEZ-KD60VAL

External static pressure: 50Pa

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

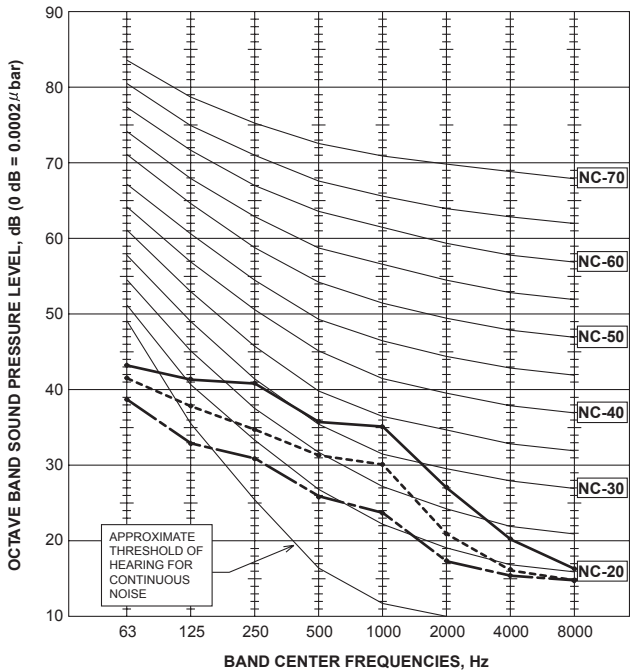


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be high by about 2 dB than the indicated level during cooling and heating operation.

SEZ-KD71VAQ
SEZ-KD71VAL

External static pressure: 5Pa

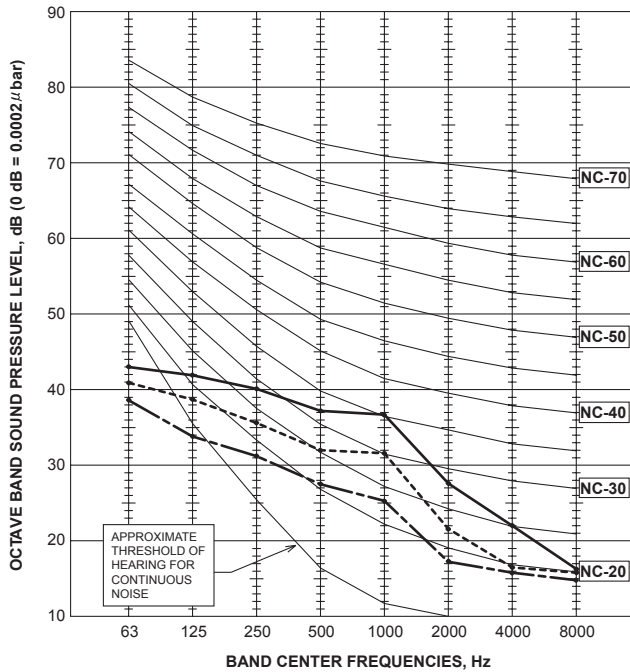
NOTCH	SPL(dB)	LINE
High	39	————
Middle	34	-----
Low	29	-----



SEZ-KD71VAQ
SEZ-KD71VAL

External static pressure: 15Pa

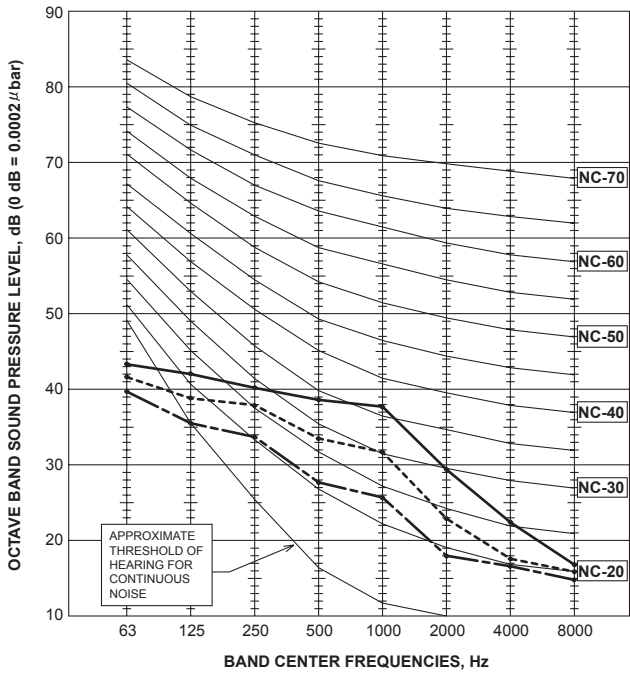
NOTCH	SPL(dB)	LINE
High	40	————
Middle	35	-----
Low	30	-----



SEZ-KD71VAQ
SEZ-KD71VAL

External static pressure: 35Pa

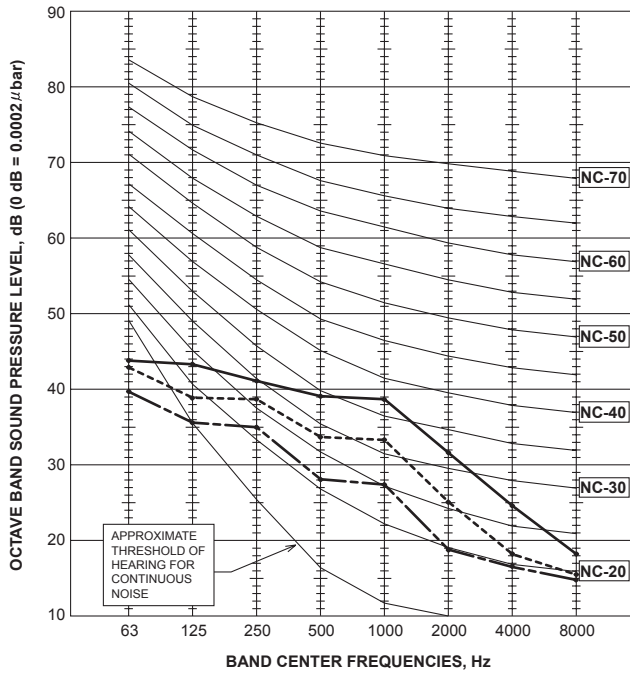
NOTCH	SPL(dB)	LINE
High	41	————
Middle	36	-----
Low	31	-----



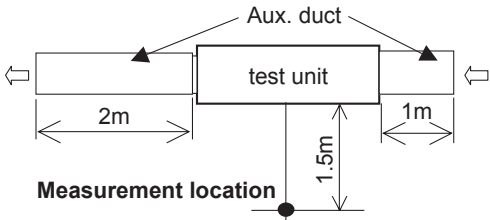
SEZ-KD71VAQ
SEZ-KD71VAL

External static pressure: 50Pa

NOTCH	SPL(dB)	LINE
High	42	————
Middle	37	-----
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 the indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.



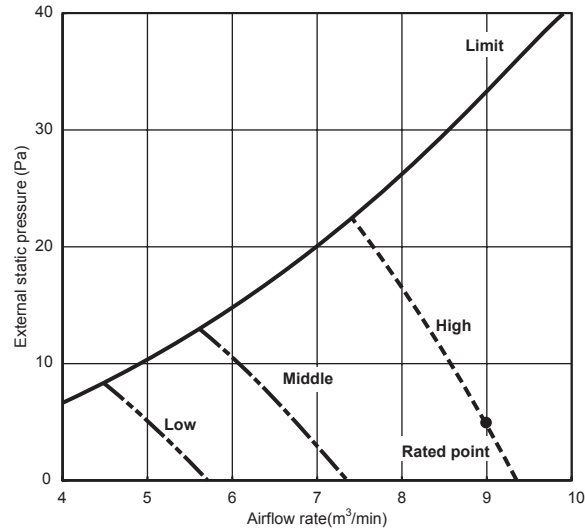
B.2.7 INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW

1. SEZ-KD•VA(L)

INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW

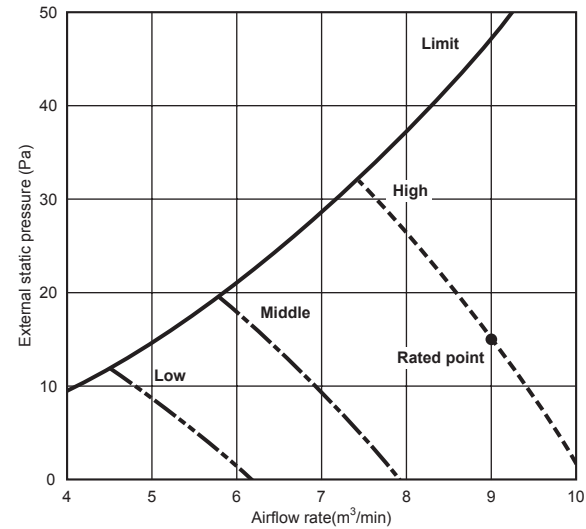
SEZ-KD25VAQ
SEZ-KD25VAL

(External static pressure 5Pa) 220-240V 50/60Hz



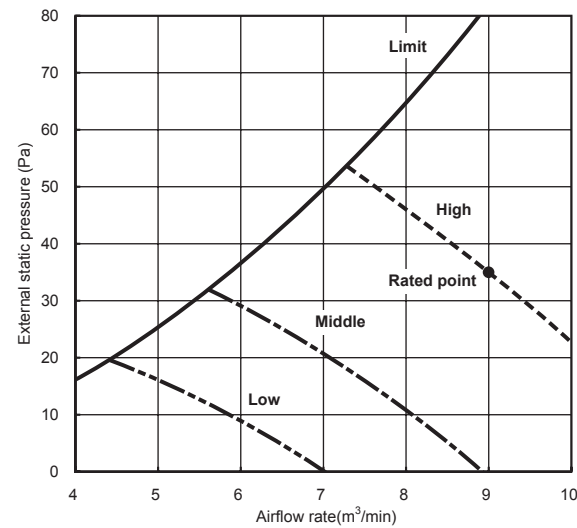
SEZ-KD25VAQ
SEZ-KD25VAL

(External static pressure 15Pa) 220-240V 50/60Hz



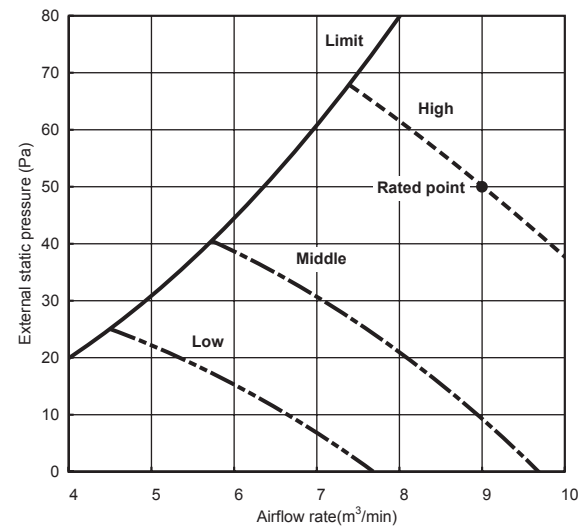
SEZ-KD25VAQ
SEZ-KD25VAL

(External static pressure 35Pa) 220-240V 50/60Hz



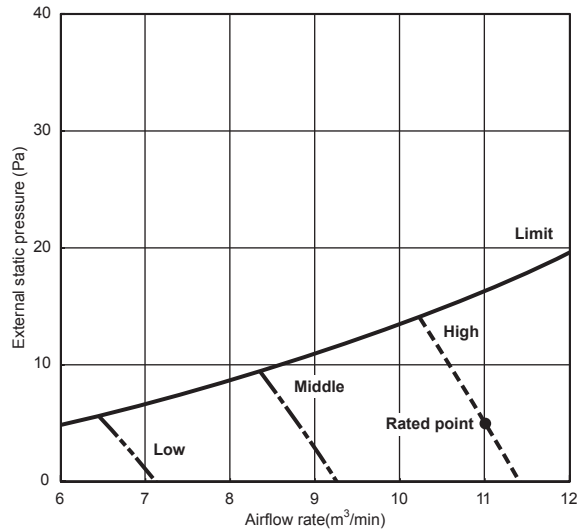
SEZ-KD25VAQ
SEZ-KD25VAL

(External static pressure 50Pa) 220-240V 50/60Hz



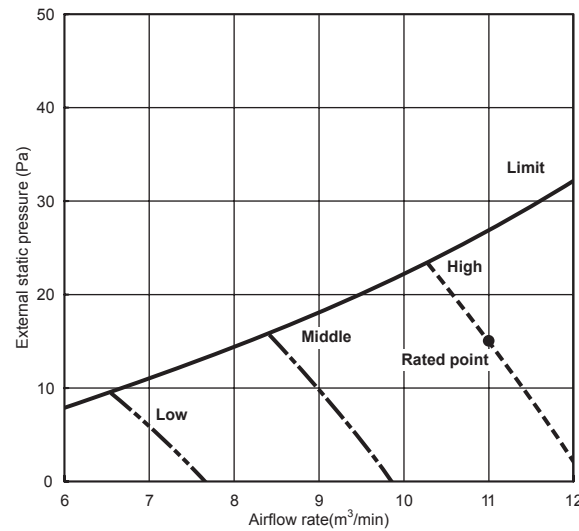
SEZ-KD35VAQ
SEZ-KD35VAL

(External static pressure 5Pa) 220-240V 50/60Hz



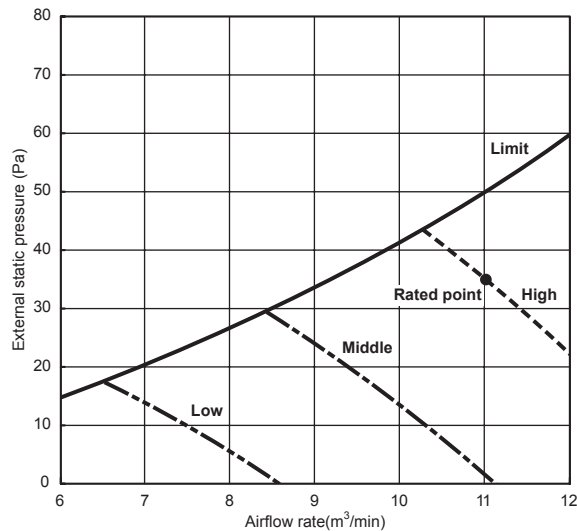
SEZ-KD35VAQ
SEZ-KD35VAL

(External static pressure 15Pa) 220-240V 50/60Hz



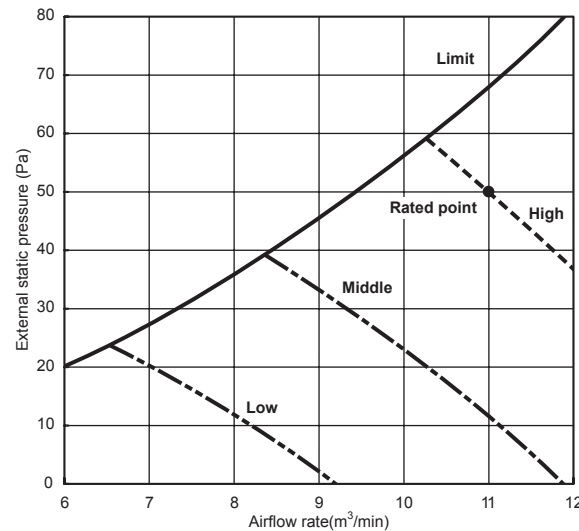
SEZ-KD35VAQ
SEZ-KD35VAL

(External static pressure 35Pa) 220-240V 50/60Hz



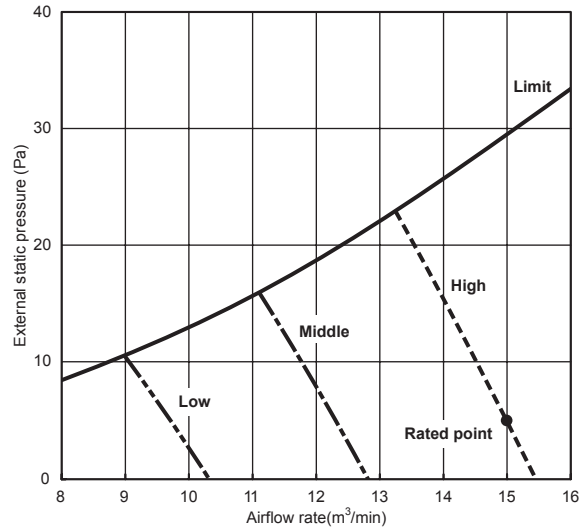
SEZ-KD35VAQ
SEZ-KD35VAL

(External static pressure 50Pa) 220-240V 50/60Hz



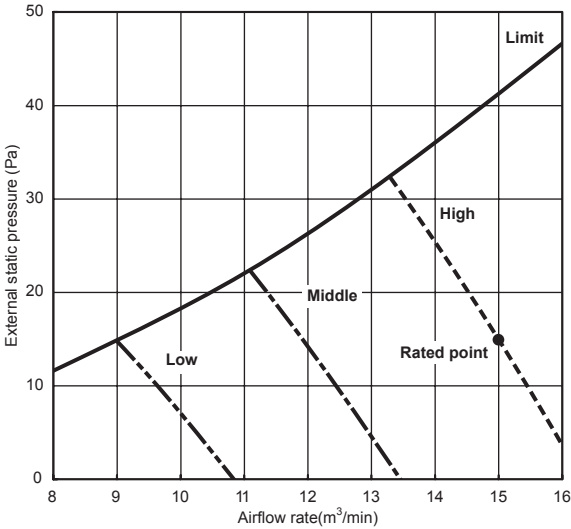
SEZ-KD50VAQ
SEZ-KD50VAL

(External static pressure 5Pa) 220-240V 50/60Hz



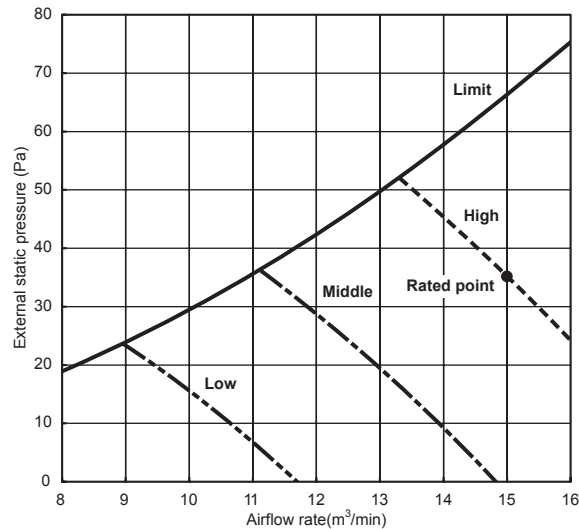
SEZ-KD50VAQ
SEZ-KD50VAL

(External static pressure 15Pa) 220-240V 50/60Hz



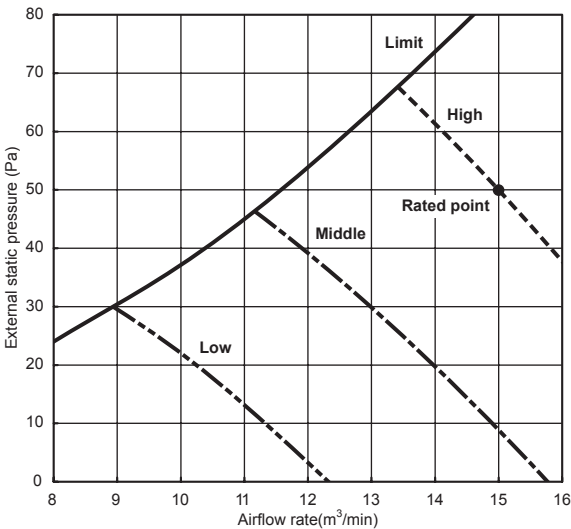
SEZ-KD50VAQ
SEZ-KD50VAL

(External static pressure 35Pa) 220-240V 50/60Hz



SEZ-KD50VAQ
SEZ-KD50VAL

(External static pressure 50Pa) 220-240V 50/60Hz

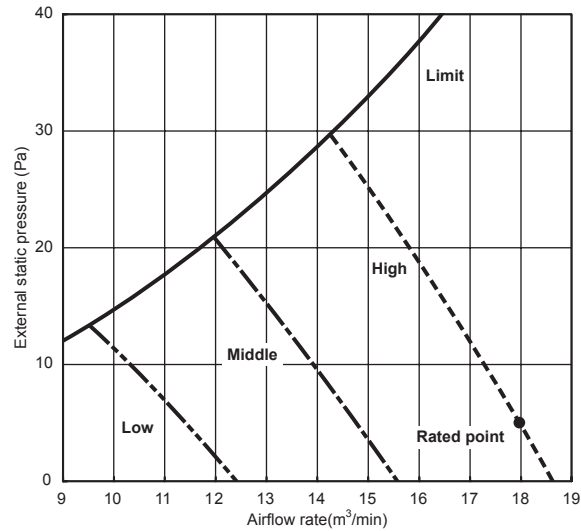


CEILING-
CONCEALED

INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW

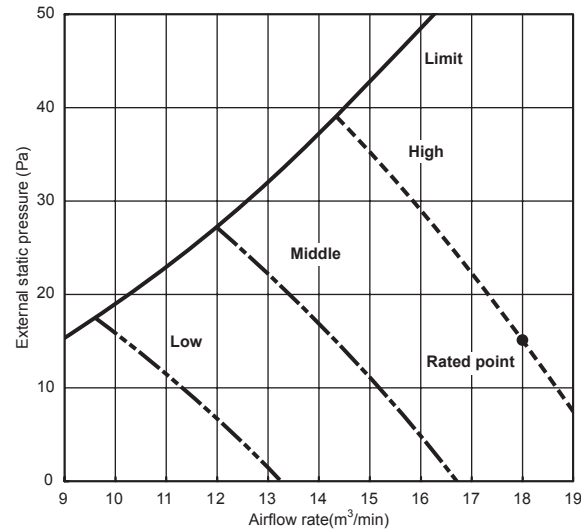
SEZ-KD60VAQ
SEZ-KD60VAL

(External static pressure 5Pa) 220-240V 50/60Hz



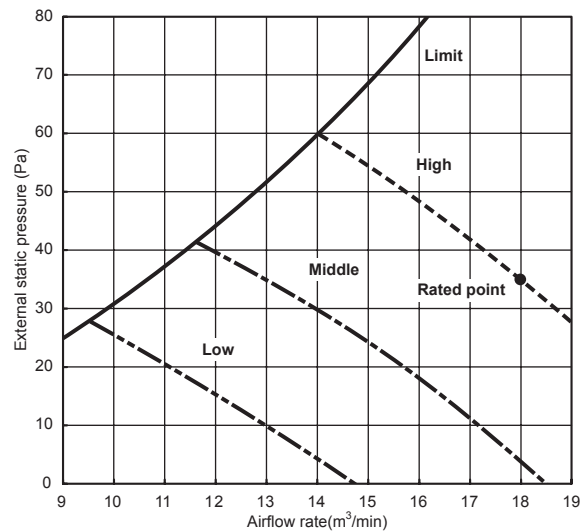
SEZ-KD60VAQ
SEZ-KD60VAL

(External static pressure 15Pa) 220-240V 50/60Hz



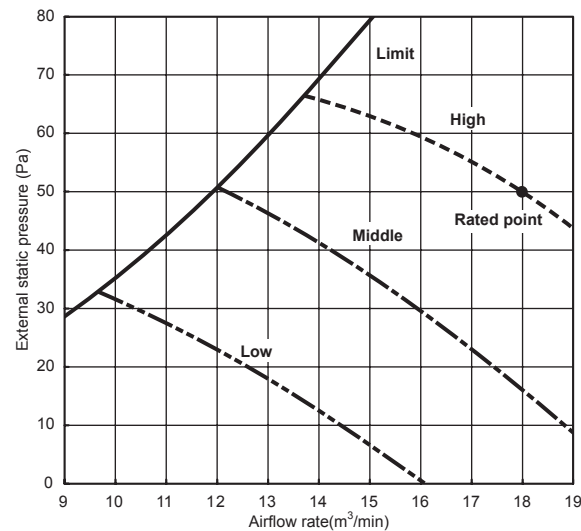
SEZ-KD60VAQ
SEZ-KD60VAL

(External static pressure 35Pa) 220-240V 50/60Hz



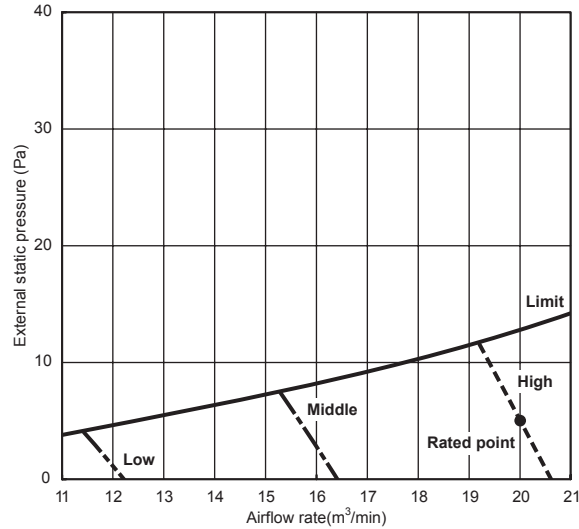
SEZ-KD60VAQ
SEZ-KD60VAL

(External static pressure 50Pa) 220-240V 50/60Hz



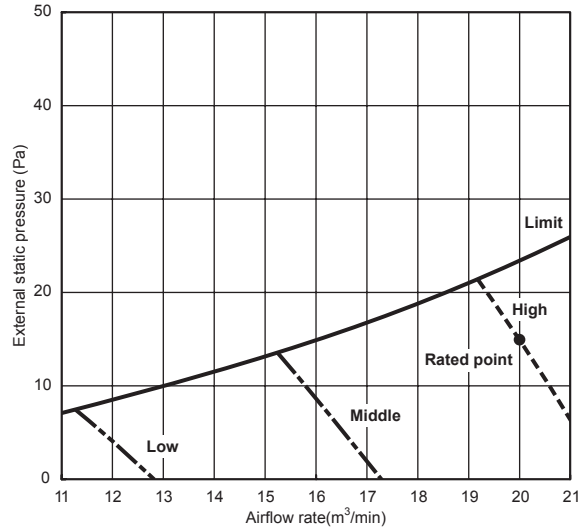
SEZ-KD71VAQ
SEZ-KD71VAL

(External static pressure 5Pa) 220-240V 50/60Hz



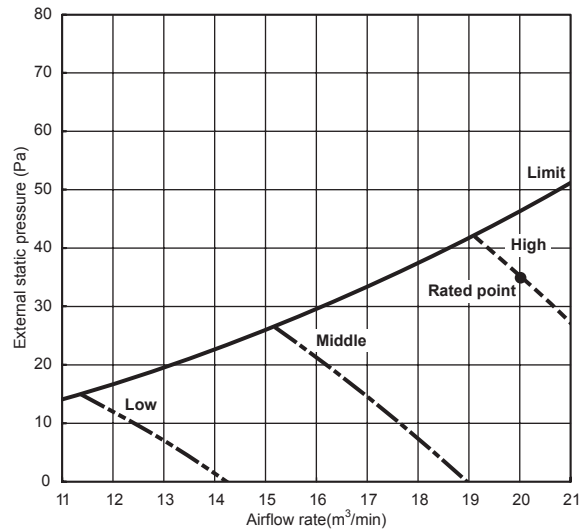
SEZ-KD71VAQ
SEZ-KD71VAL

(External static pressure 15Pa) 220-240V 50/60Hz



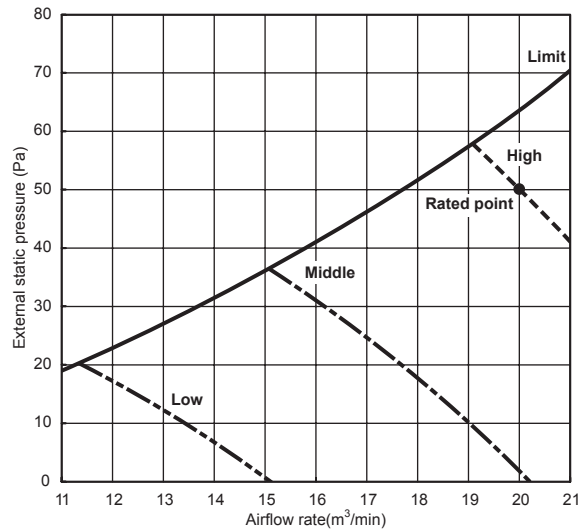
SEZ-KD71VAQ
SEZ-KD71VAL

(External static pressure 35Pa) 220-240V 50/60Hz

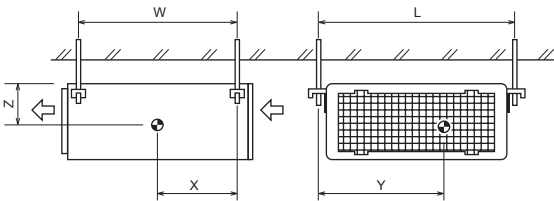


SEZ-KD71VAQ
SEZ-KD71VAL

(External static pressure 50Pa) 220-240V 50/60Hz



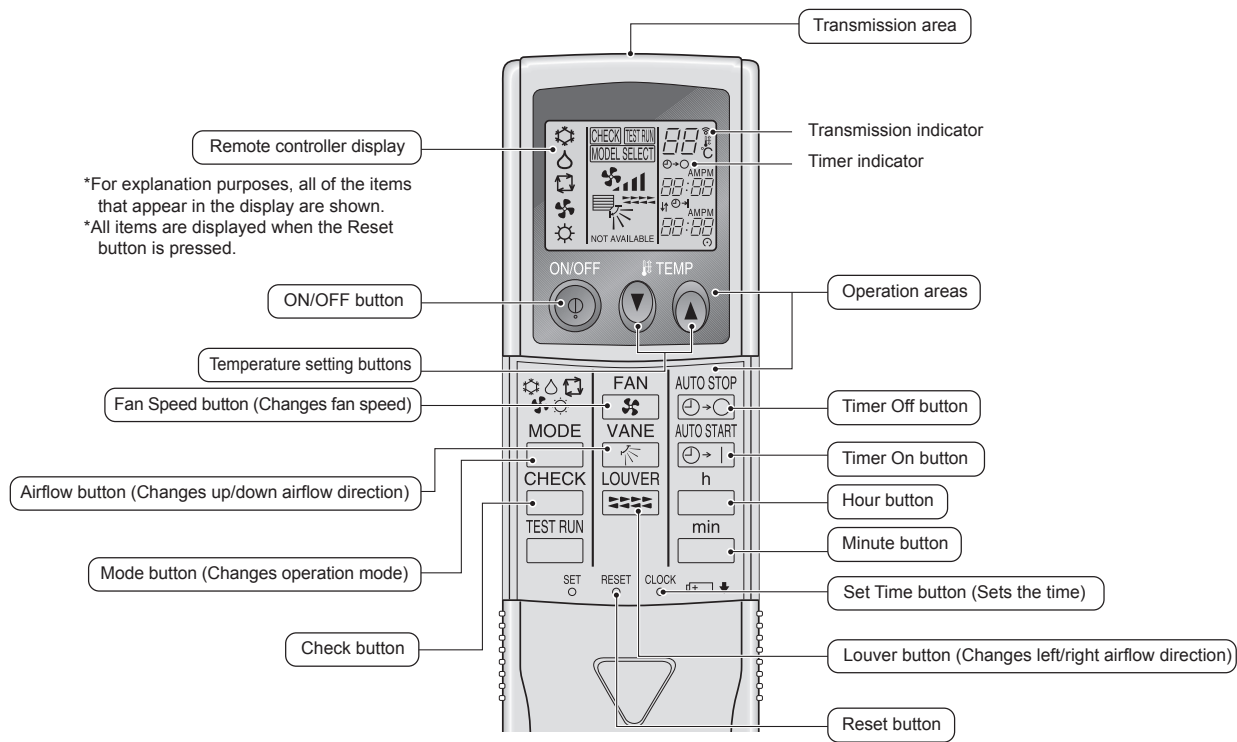
B.2.8 CENTER OF GRAVITY POSITION



Model name	W	L	X	Y	Z
SEZ-KD25	625	752	263	351	106
SEZ-KD35	625	952	286	448	104
SEZ-KD50	625	952	280	437	104
SEZ-KD60	625	1152	285	527	104
SEZ-KD71	625	1152	285	527	104

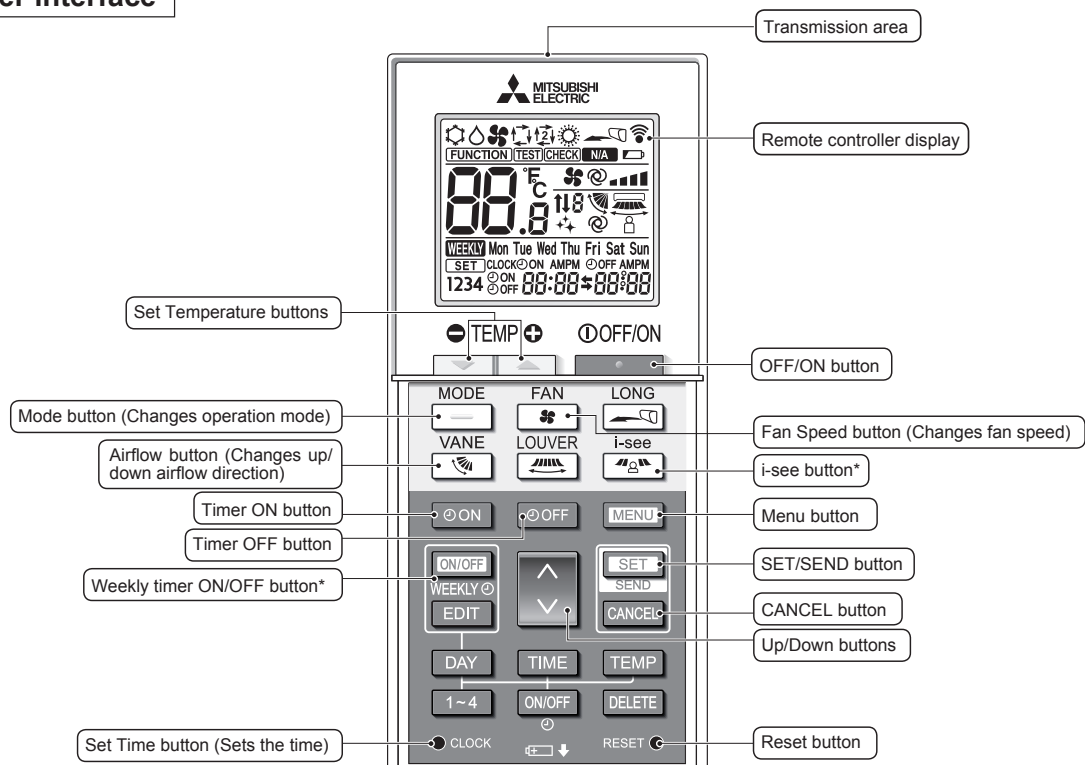
Unit: mm

B.2.9 REMOTE CONTROLLER
B.2.9.1 WIRELESS REMOTE CONTROLLER
[PAR-SL97A-E]
When cover is open



[PAR-SL100A-E] When cover is open

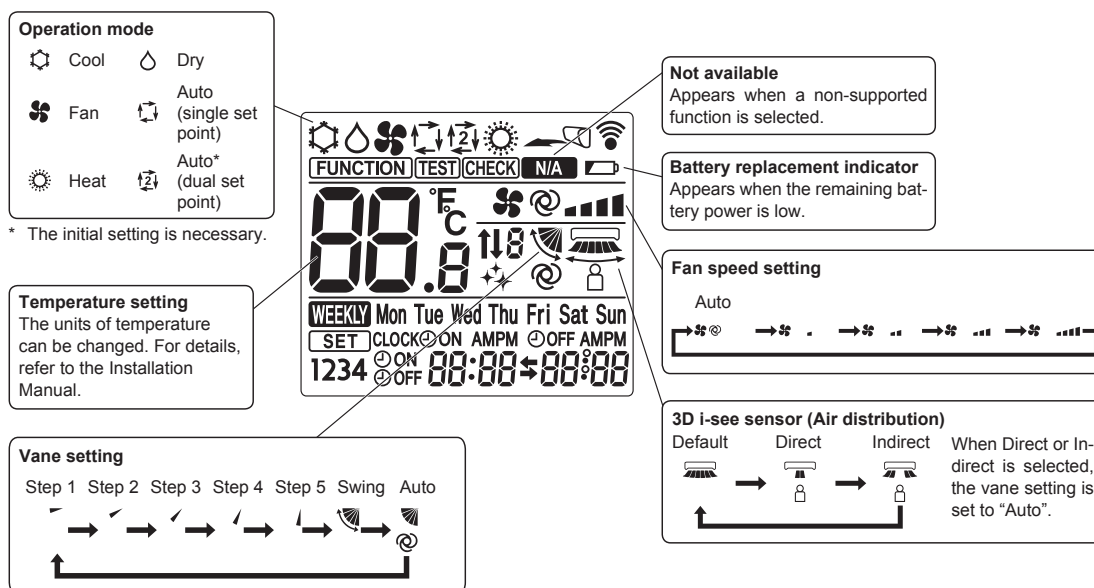
Controller interface



Note:

* This button is enabled or disabled depending on the model of the indoor unit.

Display



B.3 OUTDOOR UNIT (SUZ)

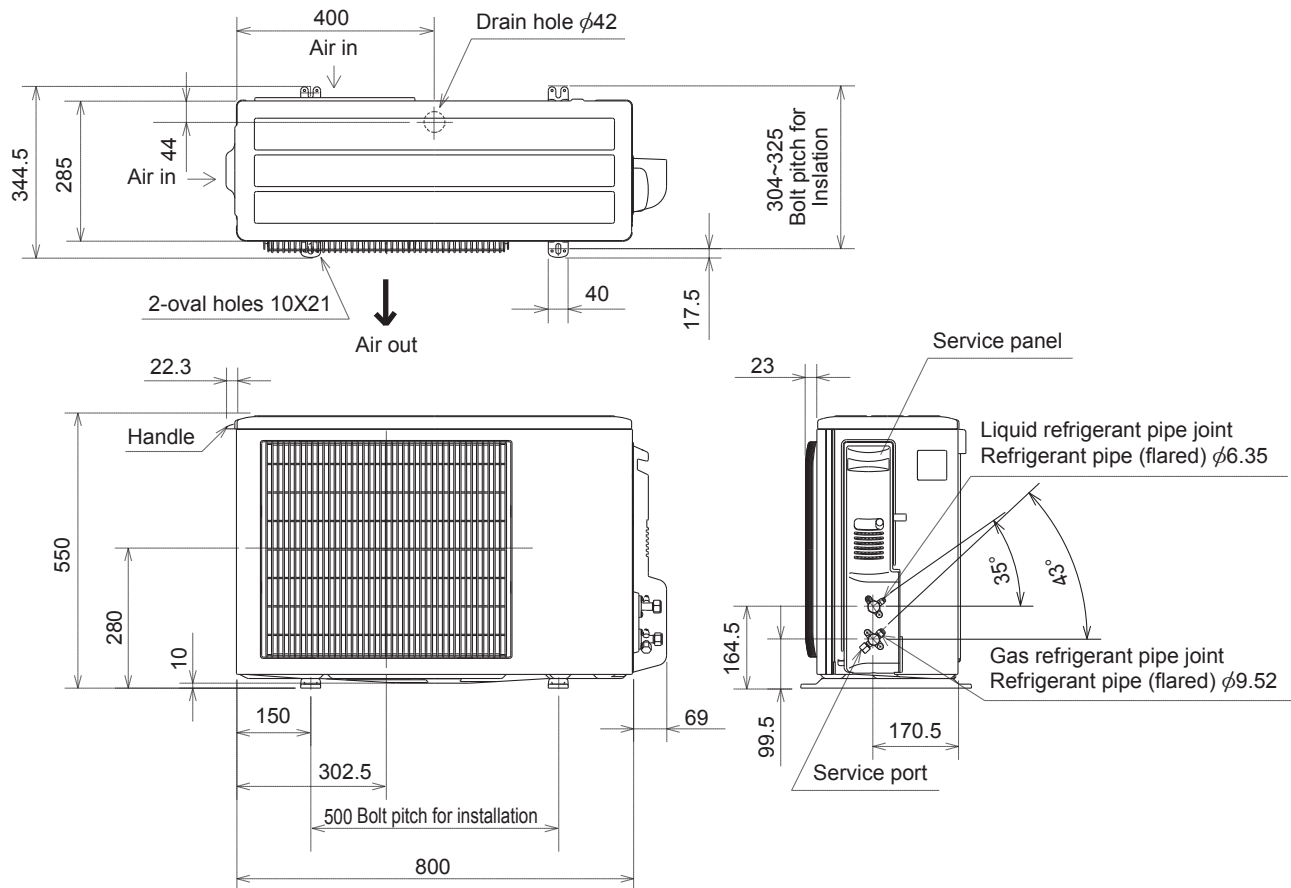
B.3.1	OUTLINES AND DIMENSIONS	B-62
B.3.2	WIRING DIAGRAM.....	B-64
B.3.3	REFRIGERANT SYSTEM DIAGRAM	B-67
B.3.4	PERFORMANCE CURVES	B-70
B.3.5	NOISE CRITERIA CURVES	B-72
B.3.6	CAPACITY CORRECTION RATIO CURVE PIPING LENGTH	B-73
B.3.7	EARTHQUAKE-PROOF STRENGTH ANALYSIS	B-74

B.3.1 OUTLINES AND DIMENSIONS

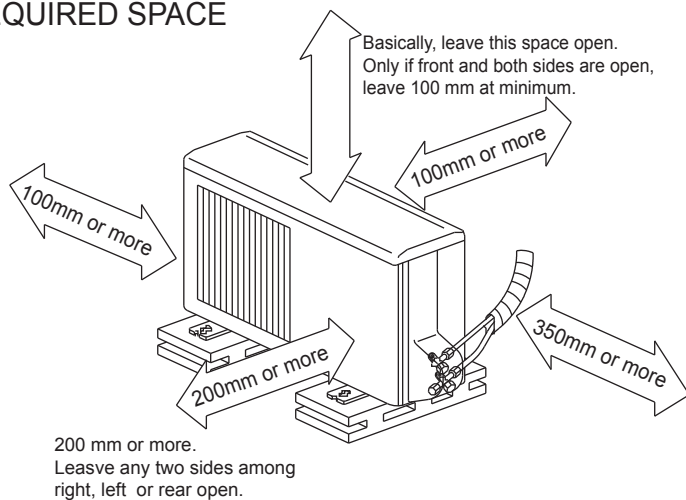
SUZ-KA25VA5
SUZ-KA35VA5

Unit : mm

OUTDOOR UNIT



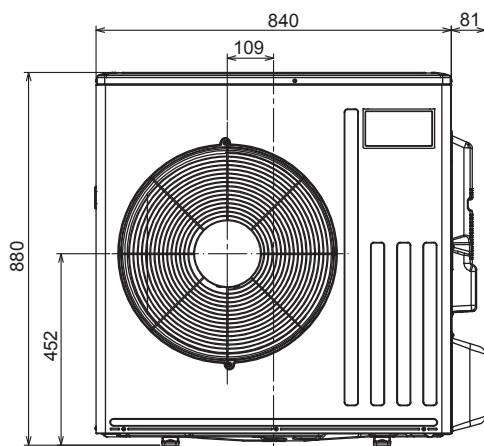
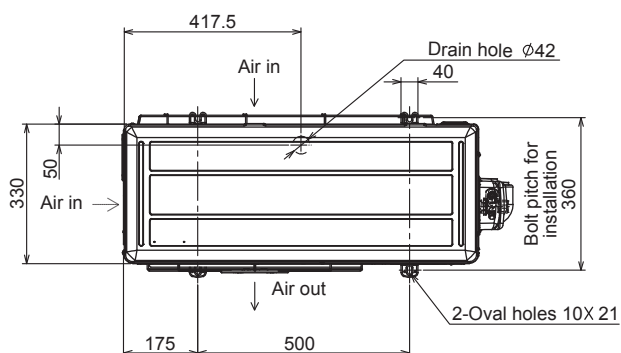
REQUIRED SPACE



SUZ-KA50VA5
SUZ-KA60VA5
SUZ-KA71VA5

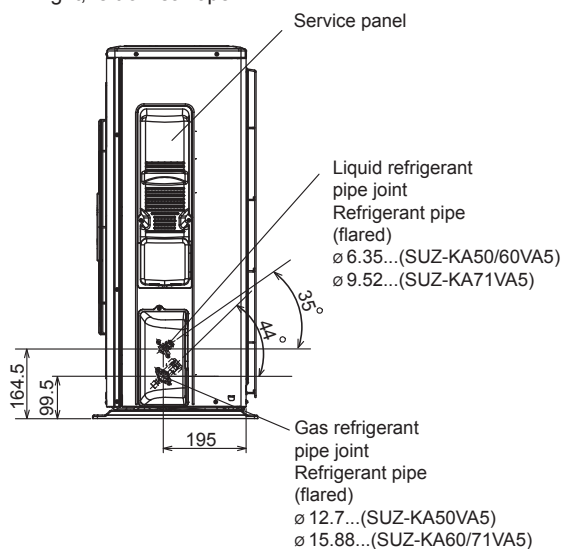
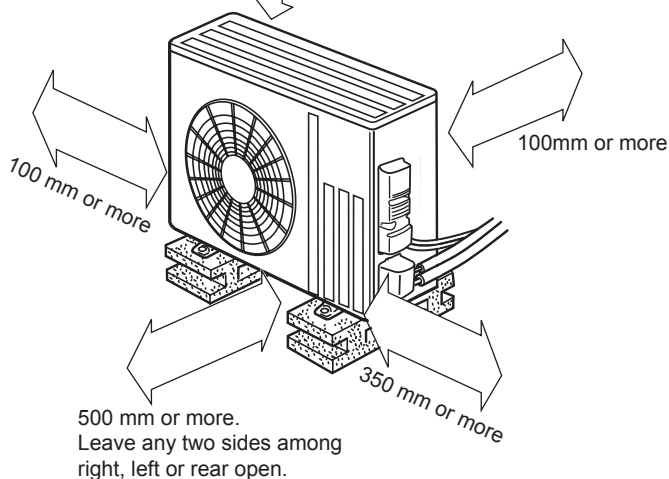
OUTDOOR UNIT

Unit: mm



REQUIRED SPACE

Basically, leave this space open.
Only if front and both sides are open,
leave 500 mm at minimum.

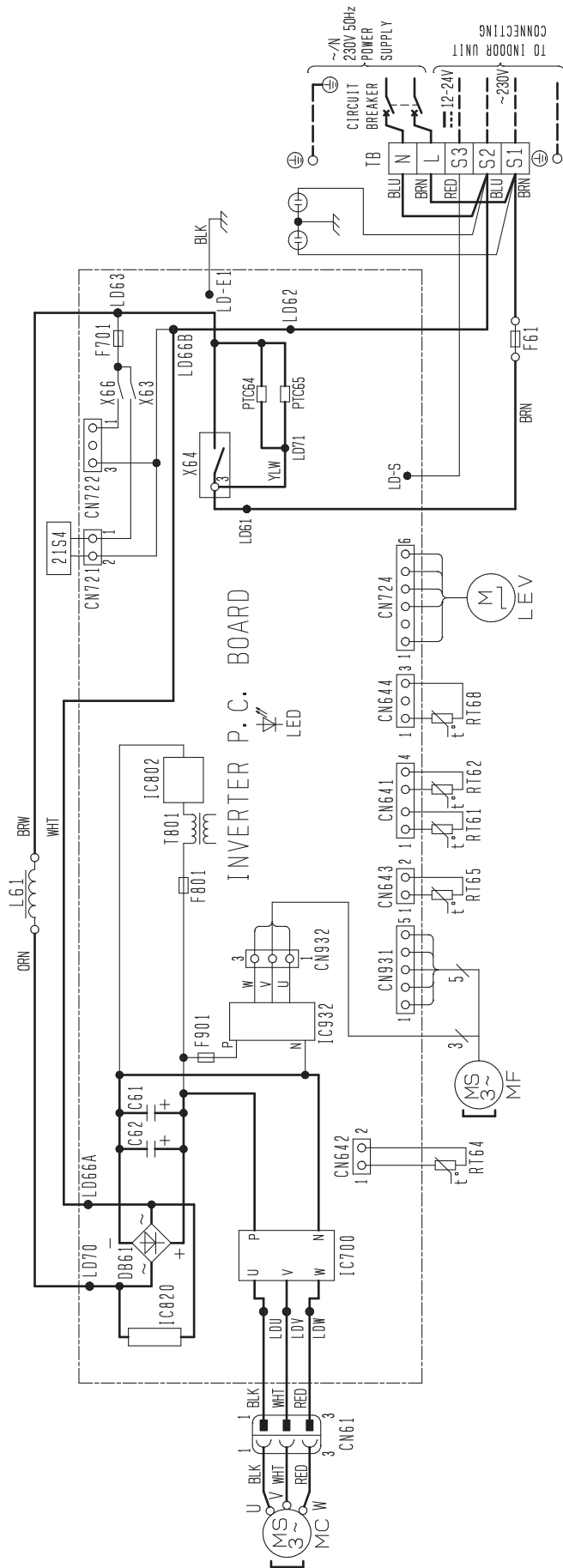


B.3.2 WIRING DIAGRAM

SUZ-KA25VA5
SUZ-KA35VA5

OUTDOOR UNIT

OUTDOOR UNIT
WIRING DIAGRAM

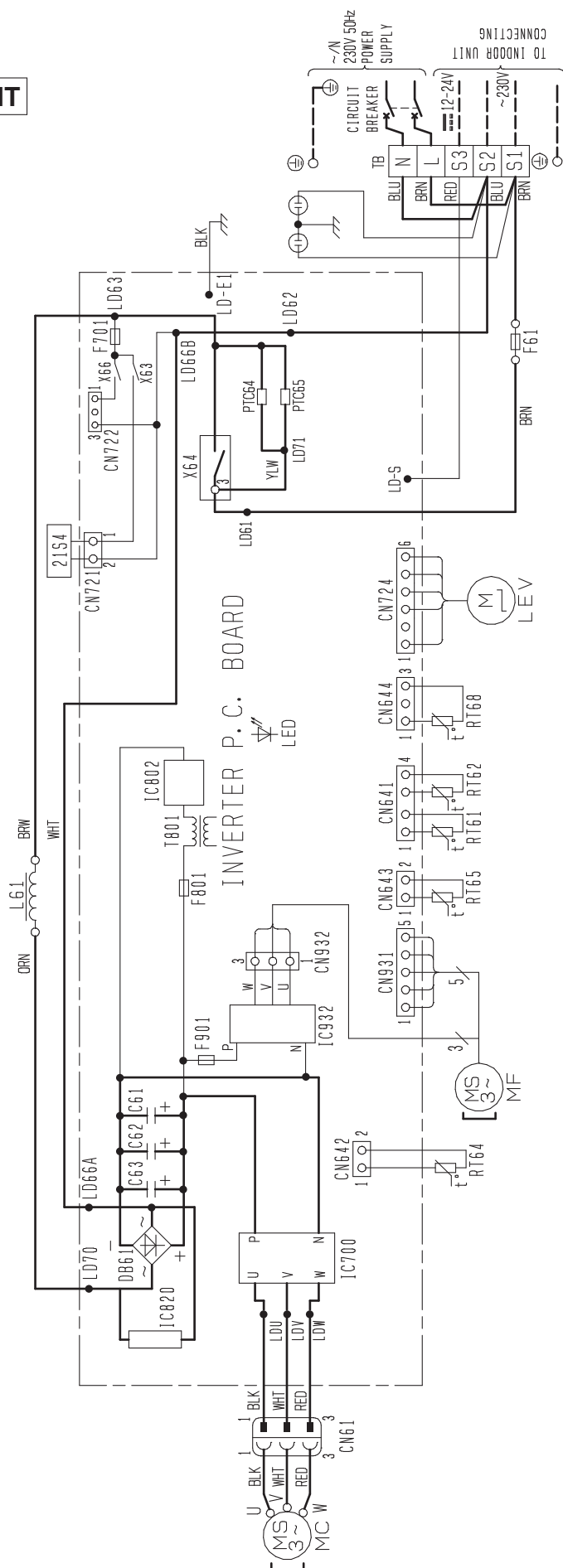


- NOTES:
- About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
 - Use copper conductors only. (For field wiring).

SYMBOL	NAME	SYMBOL	NAME
MS	SMOOTHING CAPACITOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	TB	TERMINAL BLOCK
F61	FUSE (T20A/250V)	TB01	TRANSFORMER
F701, F801, F901	FUSE (T3.15A/250V)	X63, X64, X66	RELAY
IC700, IC820, IC932	POWER MODULE	2T54	REVERSING VALVE COIL
IC802	POWER DEVICE		
LED	LED		
LEV	EXPANSION VALVE COIL		

SUZ-KA50VA5

OUTDOOR UNIT



NOTES:

2. Use copper conductors only.
(For field wiring).

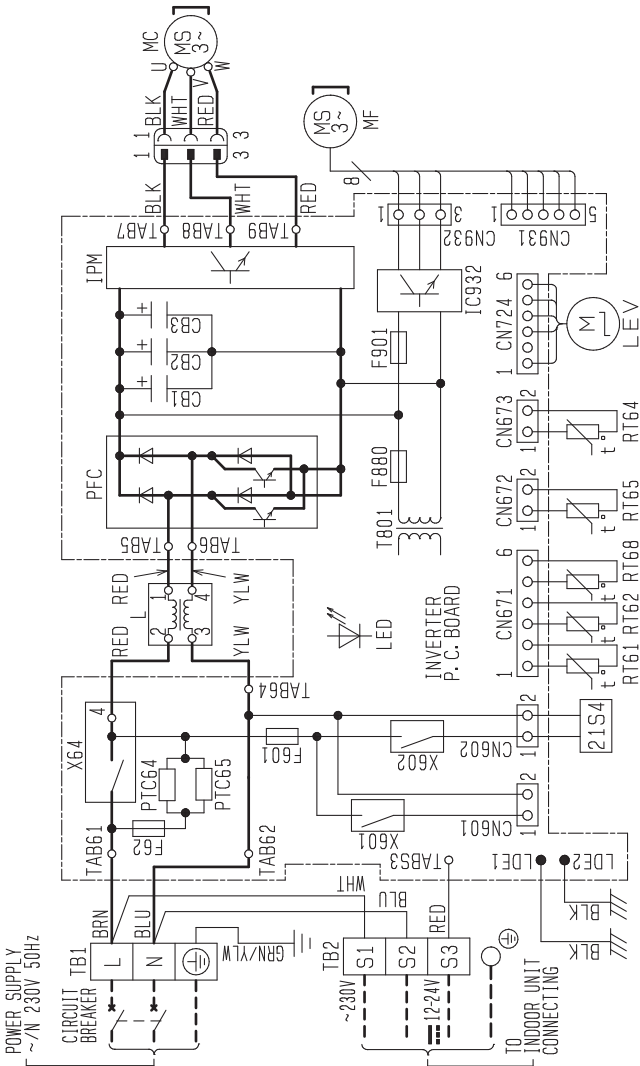
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR		
D661	DIODE MODULE	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
F61	FUSE (120A/250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
F701, F801, F901	FUSE (13.15A/250V)	PTC64, PTC65	CIRCUIT PROTECTION	TB01	TRANSFORMER
C700, C800, C900, C932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	2154	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMRIENT TEMP. THERMISTOR		

SUZ-KA60VA5
SUZ-KA71VA5

OUTDOOR UNIT

SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	PTC65	CIRCUIT PROTECTION
F601	FUSE (T3.15A/250V)	RT61	DEFROST THERMISTOR
F62	FUSE (T2A/250V)	RT62	DISCHARGE TEMP.THERMISTOR
F880	FUSE (T3.15A/250V)	RT64	FIN TEMP.THERMISTOR
F901	FUSE (T3.15A/250V)	RT65	AMBIENT TEMP.THERMISTOR
IC932	INTELLIGENT POWER MODULE	RT68	OUTDOOR HEAT EXCHANGER TEMP.THERMISTOR
IPM	INTELLIGENT POWER MODULE		
L	REACTOR	TB1, TB2	TERMINAL BLOCK
LEV	EXPANSION VALVE COIL	T801	TRANSFORMER
MC	COMPRESSOR	X601	RELAY
MF	FAN MOTOR	X602	RELAY
PFC	POWER FACTOR CONTROLLER	X64	RELAY
PTC64	CIRCUIT PROTECTION	Z1S4	REVERSING VALVE SOLENOID COIL

NOTES 1.About the indoor side electric wiring,
refer to the indoor unit electric wiring diagram for servicing.
2.Use copper conductors only(for field wiring).
3.Symbols indicate: □:Terminal block

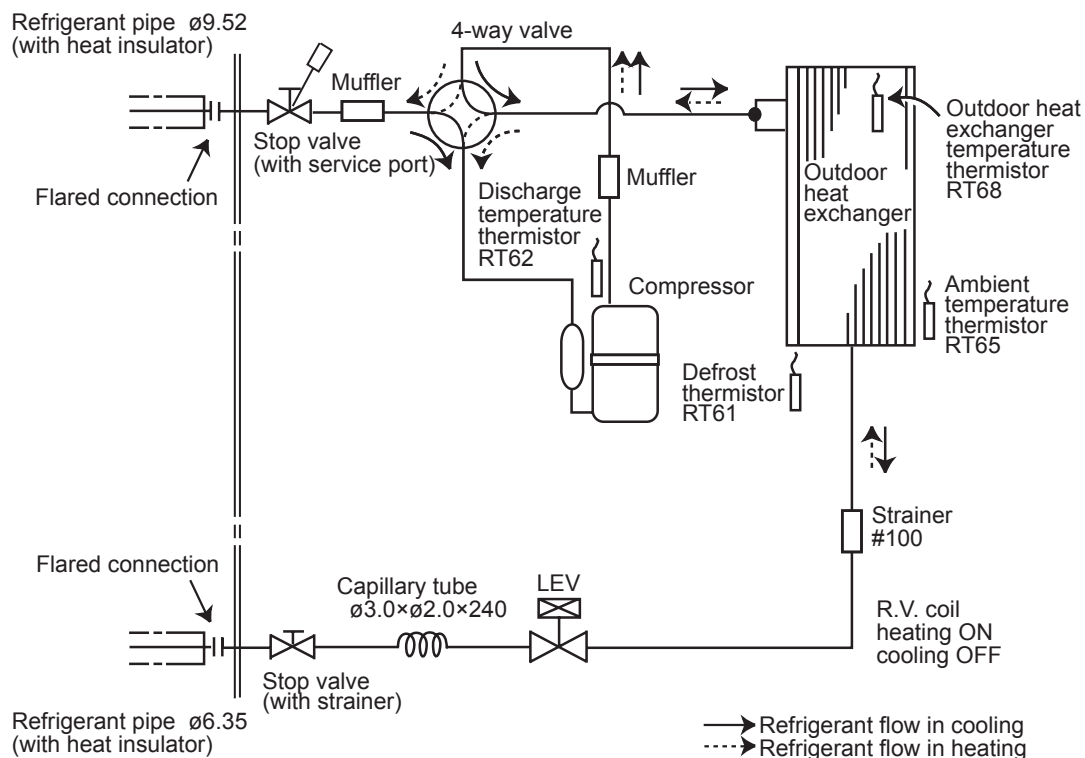


B.3.3 REFRIGERANT SYSTEM DIAGRAM

SUZ-KA25VA5

Unit: mm

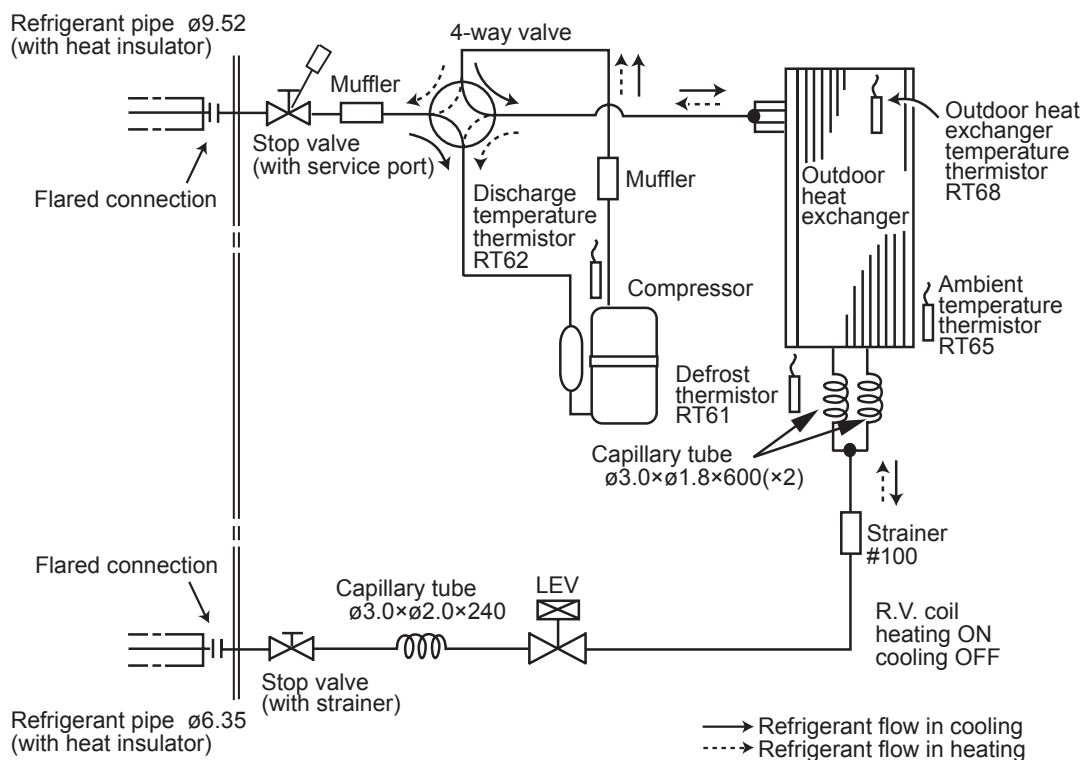
OUTDOOR UNIT



SUZ-KA35VA5

Unit: mm

OUTDOOR UNIT

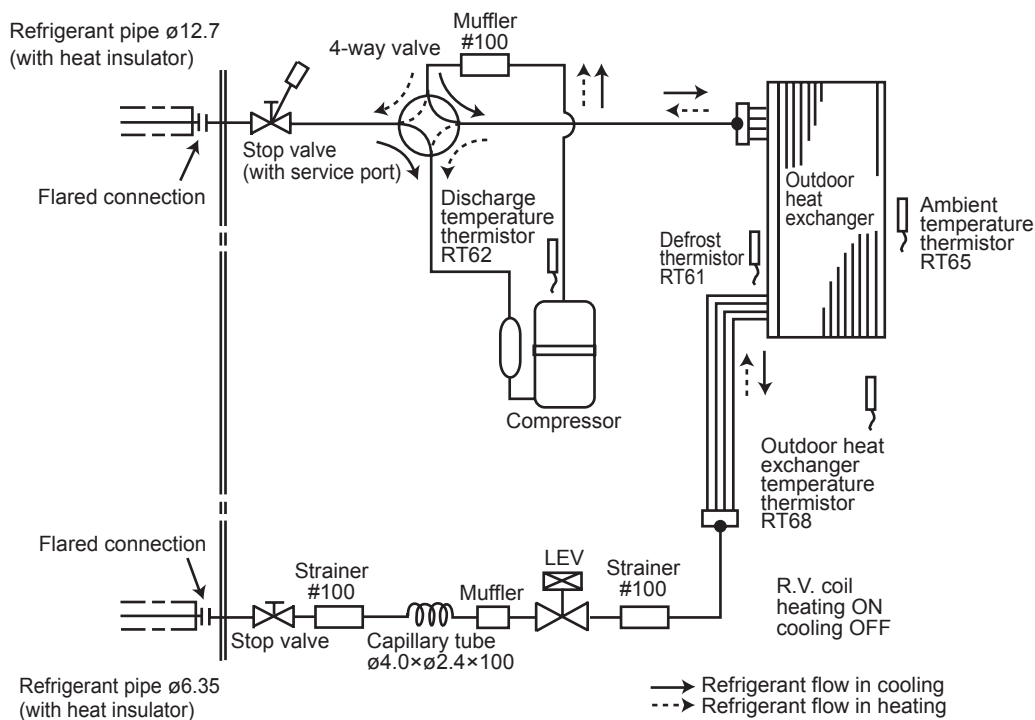
OUTDOOR
UNIT

REFRIGERANT SYSTEM DIAGRAM

SUZ-KA50VA5

Unit: mm

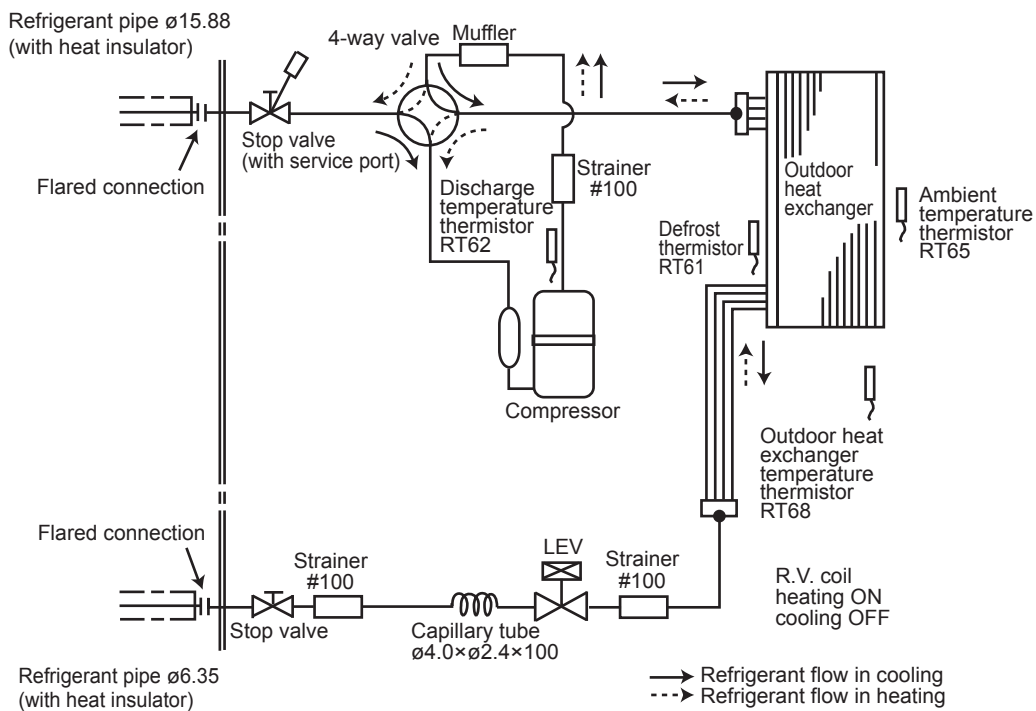
OUTDOOR UNIT



SUZ-KA60VA5

Unit: mm

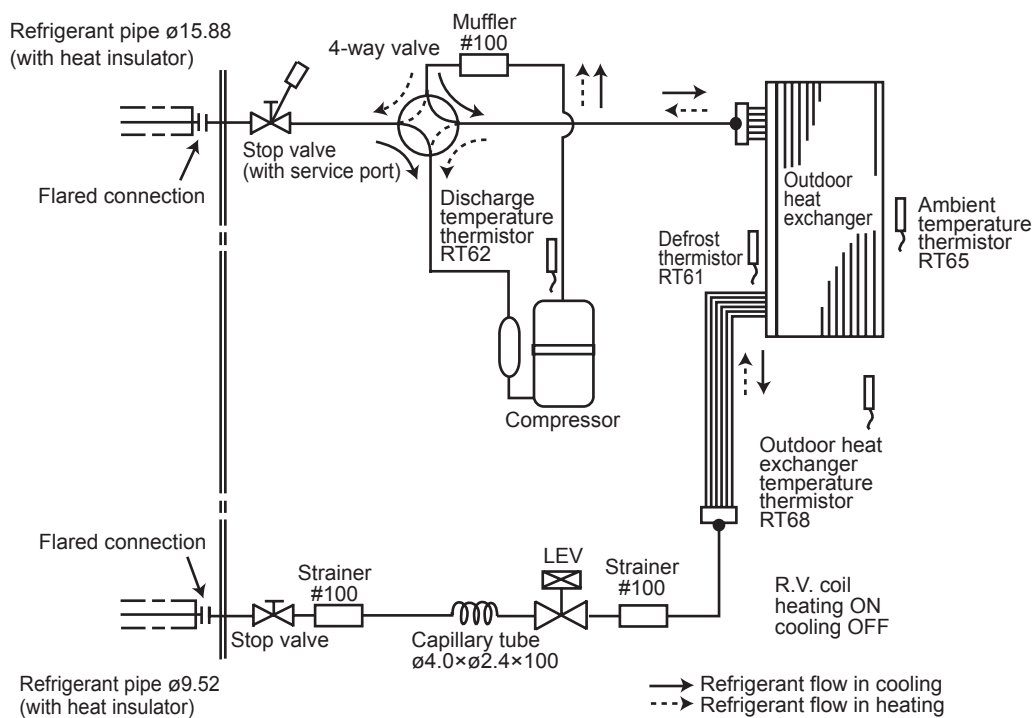
OUTDOOR UNIT



SUZ-KA71VA5

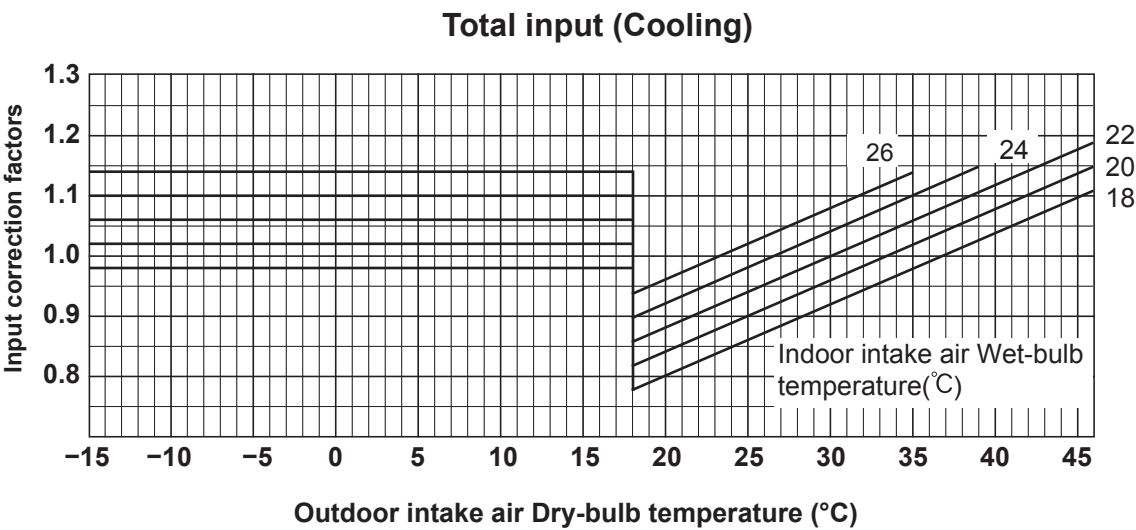
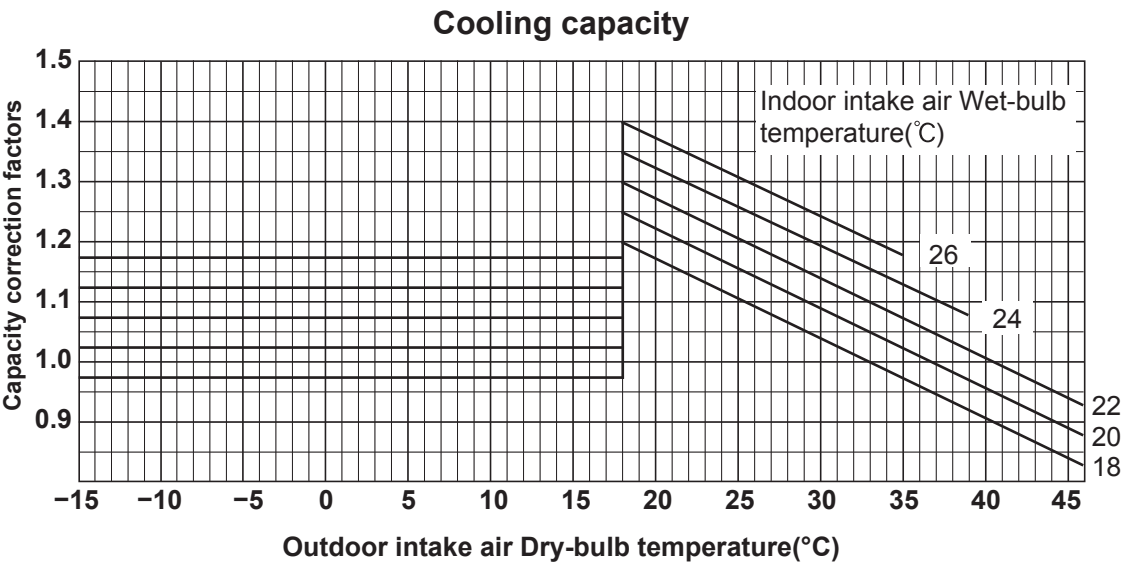
Unit: mm

OUTDOOR UNIT

OUTDOOR
UNIT

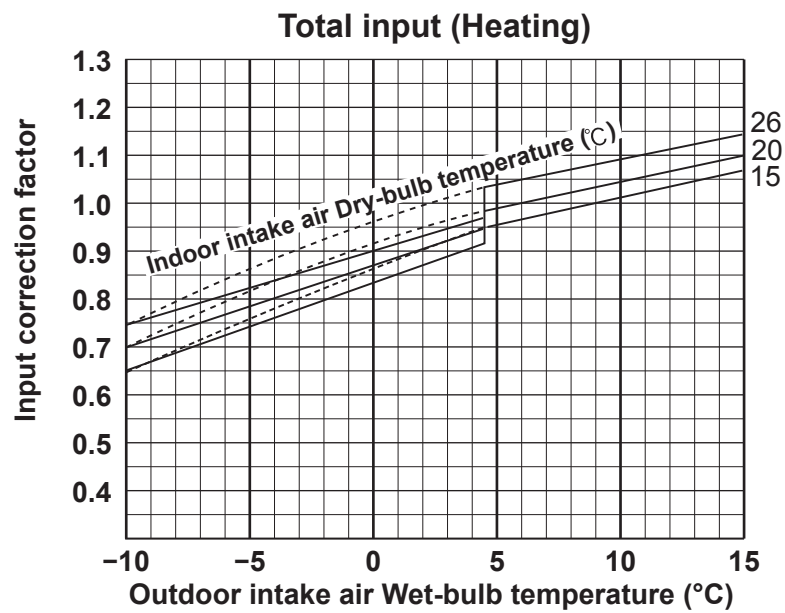
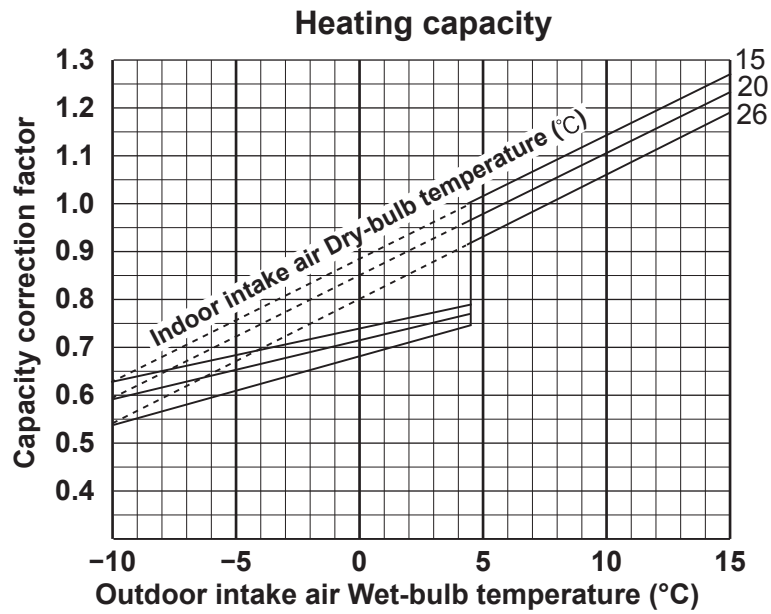
REFRIGERANT SYSTEM DIAGRAM

B.3.4 PERFORMANCE CURVES
FOR THE COMBINATION OF OUTDOOR UNIT SUZ-KA25/35/50/60/71VA5



Lower limit of guaranteed operating range in cooling
SUZ-KA25/35VA5: -10°C
SUZ-KA50/60/71VA5: -15°C

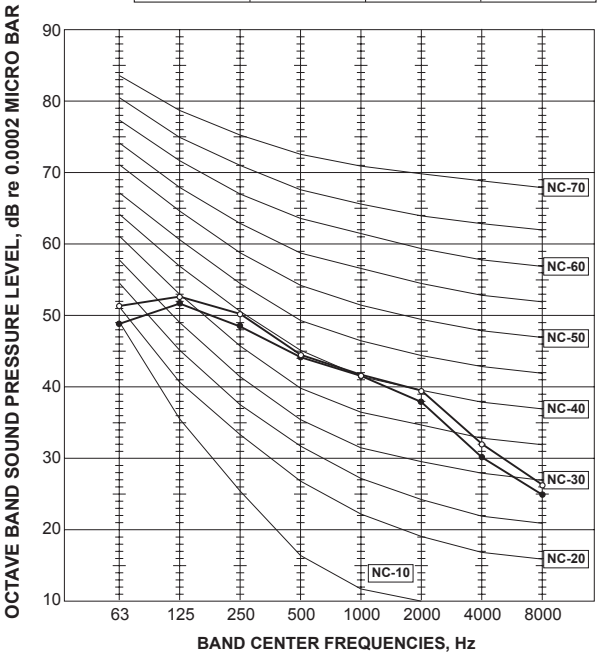
FOR THE COMBINATION OF OUTDOOR UNIT SUZ-KA25/35/50/60/71VA5



B.3.5 NOISE CRITERIA CURVES

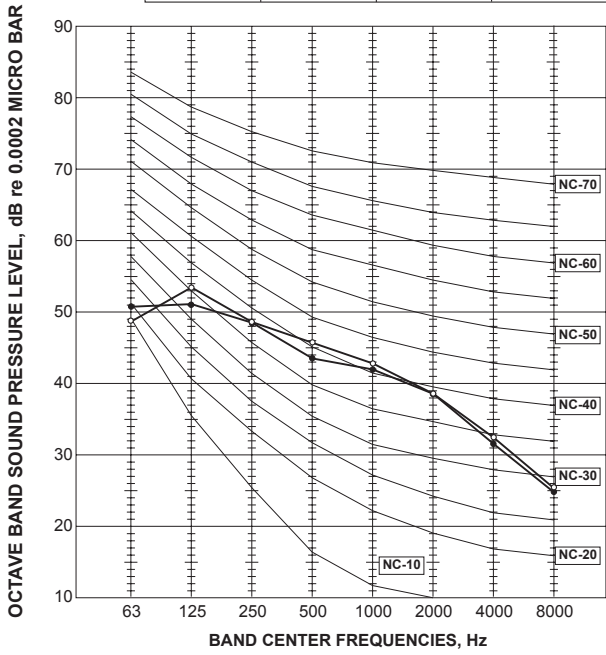
SUZ-KA25VA5

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High Med.	COOLING	47	●—●
	HEATING	48	○—○



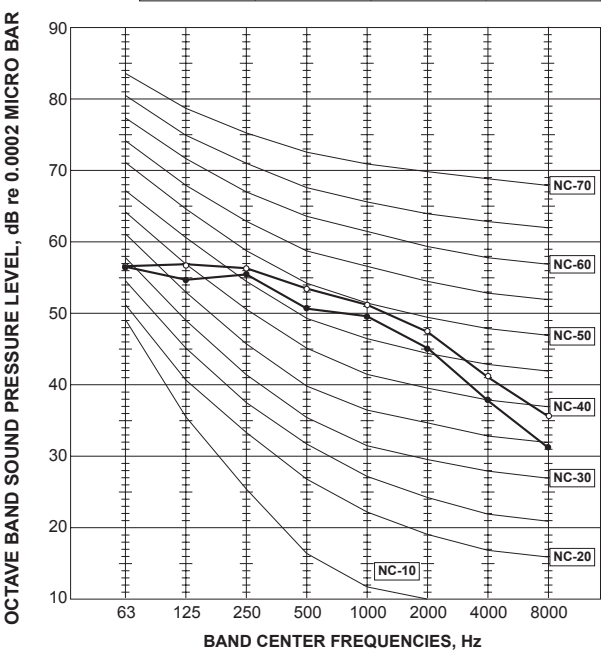
SUZ-KA35VA5

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High Med.	COOLING	49	●—●
	HEATING	50	○—○



SUZ-KA50VA5

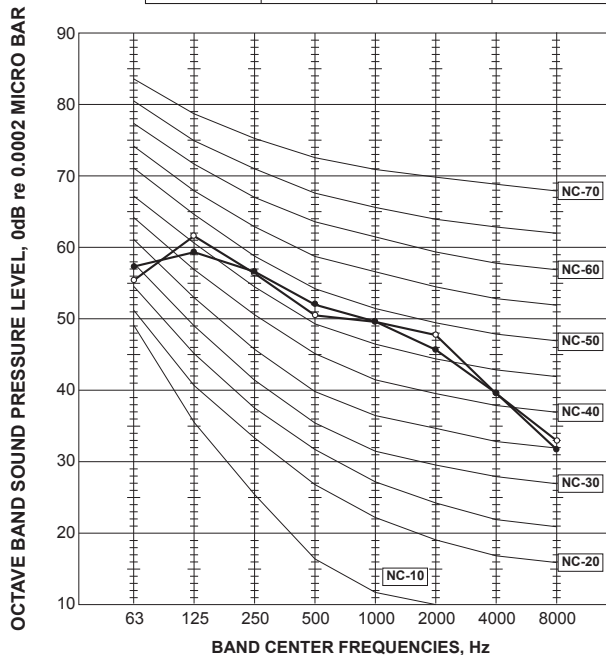
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	52	●—●
	HEATING	52	○—○



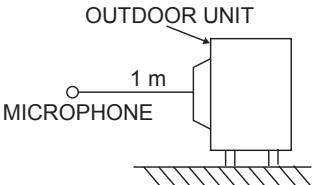
SUZ-KA60VA5

SUZ-KA71VA5

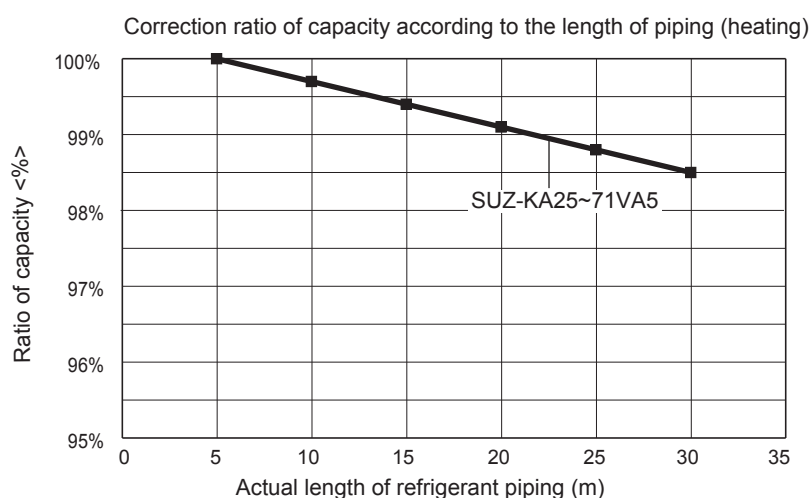
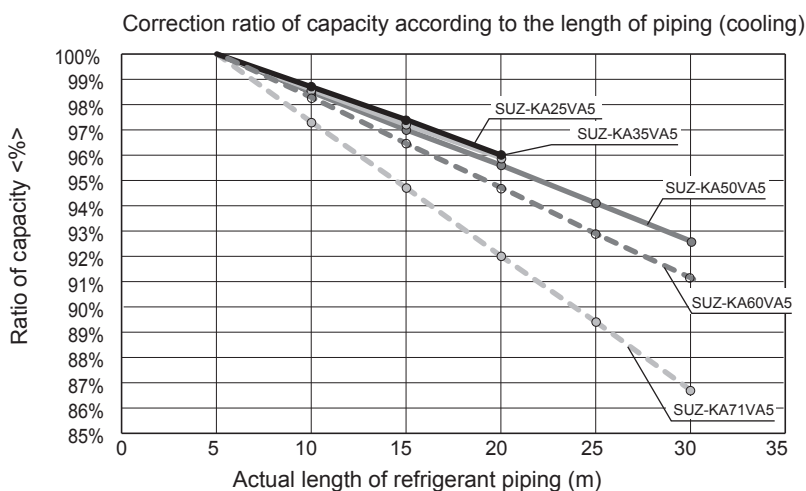
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	55	●—●
	HEATING	55	○—○



Test conditions
Cooling: Dry-bulb temperature 35°C
Heating: Dry-bulb temperature 7°C
Wet-bulb temperature 6°C



B.3.6 CAPACITY CORRECTION RATIO CURVE PIPING LENGTH



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

$$\text{Length of refrigerant piping (m)} + (\text{Number of bends} \times 0.3 \text{ m}) = \text{Actual length of refrigerant piping (m)}$$

B.3.7 EARTHQUAKE-PROOF STRENGTH ANALYSIS

Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

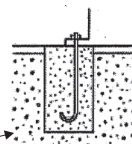
2.Model name: SUZ-KA25VA5

3.Specification

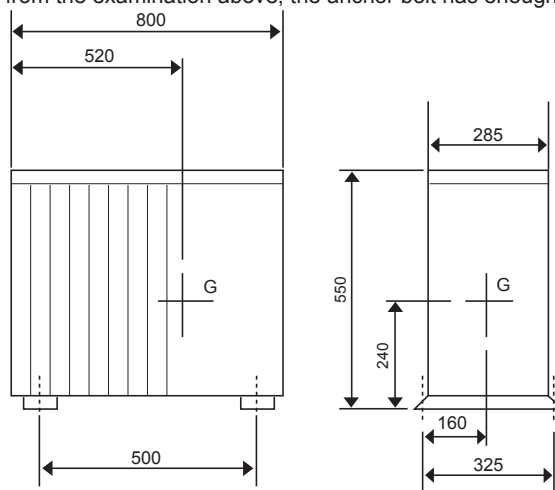
- (1) Unit mass $W = 30$ kg
- (2) Anchor bolt
- The total number of bolts. $N = 4$
 - The size and shape. $\varnothing = M10$ type
 - The axis section area per one bolt. $A = 78$ mm² = 78×10^{-6} m²
 - The total number of bolts in one side which be pulled stronger when the unit inverted. $N_t = 2$
- (3) The height between the installing surface and the center of gravity of the unit $H_g = 240$ mm = 0.240 m
- (4) The bolt-span from the examination angle $L = 325$ mm = 0.325 m
- (5) The distance between the center of bolt and the center of gravity of the unit $L_g = 160$ mm ($L_g \leq L/2$) = 0.160 m

4.The examination calculation (by rounding off to the first decimal place of each item)

- (1) The horizontal seismic coefficient for designing $K_h = 1.0$
- (2) The vertical seismic coefficient for designing $K_v = K_h/2 = 0.5$
- (3) The horizontal earthquake forces for designing $F_h = K_h \cdot W \cdot 9.8 = 294.0$ N
- (4) The vertical earthquake forces for designing $F_v = K_v \cdot W \cdot 9.8 = 147.0$ N
- (5) The withdrawal strength of the anchor bolt $R_b = \frac{F_h \cdot H_g - (W \cdot 9.8 - F_v) \cdot L_g}{L \cdot N_t} = 72.4$ N
- (6) The shear forces of the anchor bolt $Q = F_h/N = 73.5$ N
- (7) The stress arising to the anchor bolt
- The tensile stress. $\sigma = R_b/A = 0.9$ MPa < $f_t = 176.4$ MPa
 - The shearing stress. $\tau = Q/A = 0.9$ MPa < $f_s = 132.3$ MPa
 - The stress when affected by both the shearing and the tensile at the same time. $f_{ts} = 1.4f_t - 1.6\tau = 245.5$ MPa
 $\sigma = 0.9$ MPa < $f_{ts} = 245.5$ MPa
- (8) The construction way of the anchor bolt
- The construction way of the anchor bolt. = Boxed J type anchor
 - The thickness of the concrete. = 120 mm = 0.120 m
 - The length of buried part of bolt. = 70 mm = 0.070 m
 - The permissible withdrawal weight. $T_a = 3136$ N > $R_b = 72$ N



Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

2.Model name: SUZ-KA35VA5

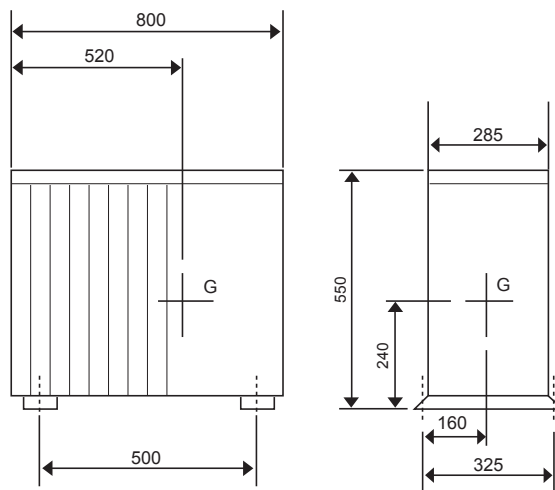
3.Specification

- (1) Unit mass $W = 35$ kg
- (2) Anchor bolt
- The total number of bolts. $N = 4$
 - The size and shape. $\varnothing = M 10$ type
 - The axis section area per one bolt. $A = 78$ mm² = 78×10^{-6} m²
 - The total number of bolts in one side which be pulled stronger when the unit inverted. $N_t = 2$
- (3) The height between the installing surface and the center of gravity of the unit $H_g = 240$ mm = 0.240 m
- (4) The bolt-span from the examination angle $L = 325$ mm = 0.325 m
- (5) The distance between the center of bolt and the center of gravity of the unit $L_g = 160$ mm ($L_g \leq L/2$) = 0.160 m

4.The examination calculation (by rounding off to the first decimal place of each item)

- (1) The horizontal seismic coefficient for designing $K_h = 1.0$
- (2) The vertical seismic coefficient for designing $K_v = K_h/2 = 0.5$
- (3) The horizontal earthquake forces for designing $F_h = K_h \cdot W \cdot 9.8 = 343.0$ N
- (4) The vertical earthquake forces for designing $F_v = K_v \cdot W \cdot 9.8 = 171.5$ N
- (5) The withdrawal strength of the anchor bolt $R_b = \frac{F_h \cdot H_g \cdot (W \cdot 9.8 - F_v) \cdot L_g}{L \cdot N_t} = 84.4$ N
- (6) The shear forces of the anchor bolt $Q = F_h/N = 35.8$ N
- (7) The stress arising to the anchor bolt
- The tensile stress. $\sigma = R_b/A = 1.1$ MPa < $f_t = 176.4$ MPa
 - The shearing stress. $\tau = Q/A = 1.1$ MPa < $f_s = 132.3$ MPa
 - The stress when affected by both the shearing and the tensile at the same time. $f_{ts} = 1.4f_t - 1.6\tau = 245.2$ MPa
 $\sigma = 1.1$ MPa < $f_{ts} = 245.2$ MPa
- (8) The construction way of the anchor bolt
- The construction way of the anchor bolt. = Boxed J type anchor
 - The thickness of the concrete. = 120 mm = 0.120 m
 - The length of buried part of bolt. = 70 mm = 0.070 m
 - The permissible withdrawal weight. $T_a = 3136$ N > $R_b = 84$ N

Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

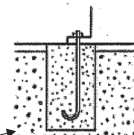
2.Model name: SUZ-KA50VA5

3.Specification

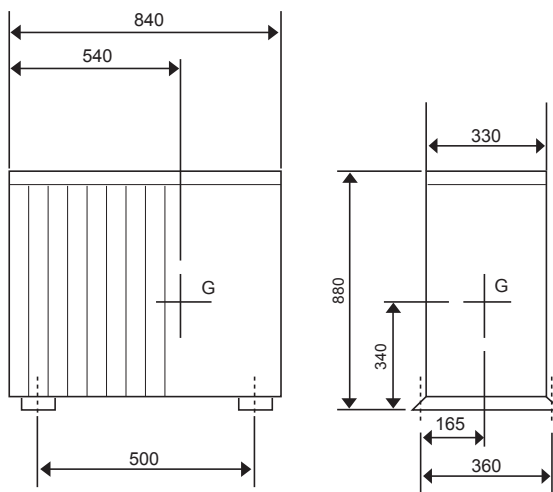
- (1) Unit mass $W = 54$ kg
- (2) Anchor bolt
- The total number of bolts. $N = 4$
 - The size and shape. $\phi = M 10$ type
 - The axis section area per one bolt. $A = 78$ mm² = 78×10^{-6} m²
 - The total number of bolts in one side which be pulled stronger when the unit inverted. $N_t = 2$
 - The height between the installing surface and the center of gravity of the unit $H_g = 340$ mm = 0.340 m
 - The bolt-span from the examination angle $L = 360$ mm = 0.360 m
 - The distance between the center of bolt and the center of gravity of the unit $L_g = 165$ mm ($L_g \leq L/2$) = 0.165 m

4.The examination calculation (by rounding off to the first decimal place of each item)

- (1) The horizontal seismic coefficient for designing $K_h = 1.0$
- (2) The vertical seismic coefficient for designing $K_v = K_h/2 = 0.5$
- (3) The horizontal earthquake forces for designing $F_h = K_h \cdot W \cdot 9.8 = 529.2$ N
- (4) The vertical earthquake forces for designing $F_v = K_v \cdot W \cdot 9.8 = 264.6$ N
- (5) The withdrawal strength of the anchor bolt $R_b = \frac{F_h \cdot H_g \cdot (W \cdot 9.8 - F_v) \cdot L_g}{L \cdot N_t} = 189.3$ N
- (6) The shear forces of the anchor bolt $Q = F_h/N = 132.3$ N
- (7) The stress arising to the anchor bolt
- The tensile stress. $\sigma = R_b/A = 2.4$ MPa < $f_t = 176.4$ MPa
 - The shearing stress. $\tau = Q/A = 1.7$ MPa < $f_s = 132.3$ MPa
 - The stress when affected by both the shearing and the tensile at the same time. $f_{ts} = 1.4f_t - 1.6\tau = 244.2$ MPa
 $\sigma = 2.6$ MPa < $f_{ts} = 244.2$ MPa
- (8) The construction way of the anchor bolt
- The construction way of the anchor bolt. = Boxed J type anchor
 - The thickness of the concrete. = 120 mm = 0.120 m
 - The length of buried part of bolt. = 70 mm = 0.070 m
 - The permissible withdrawal weight. $T_a = 3136$ N > $R_b = 189$ N



Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

2.Model name: SUZ-KA60VA5

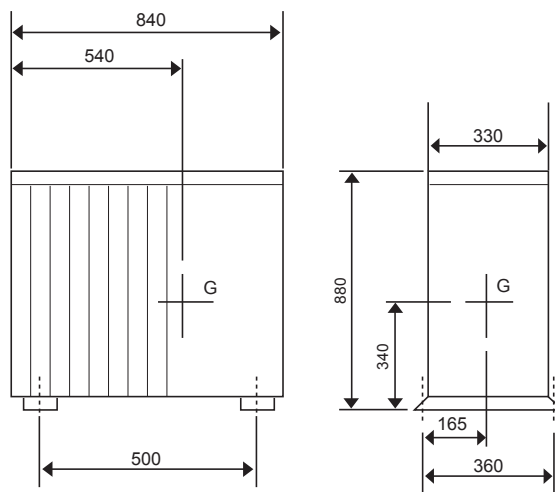
3.Specification

- (1) Unit mass $W = 50$ kg
- (2) Anchor bolt
- The total number of bolts. $N = 4$
 - The size and shape. $\phi = M 10$ type
 - The axis section area per one bolt. $A = 78$ mm² = 78×10^{-6} m²
 - The total number of bolts in one side which be pulled stronger when the unit inverted. $N_t = 2$
 - The height between the installing surface and the center of gravity of the unit $H_g = 340$ mm = 0.340 m
 - The bolt-span from the examination angle $L = 360$ mm = 0.360 m
 - The distance between the center of bolt and the center of gravity of the unit $L_g = 165$ mm ($L_g \leq L/2$) = 0.165 m

4.The examination calculation (by rounding off to the first decimal place of each item)

- (1) The horizontal seismic coefficient for designing $K_h = 1.0$
- (2) The vertical seismic coefficient for designing $K_v = K_h/2 = 0.5$
- (3) The horizontal earthquake forces for designing $F_h = K_h \cdot W \cdot 9.8 = 490.0$ N
- (4) The vertical earthquake forces for designing $F_v = K_v \cdot W \cdot 9.8 = 245.0$ N
- (5) The withdrawal strength of the anchor bolt $R_b = \frac{F_h \cdot H_g \cdot (W \cdot 9.8 - F_v) \cdot L_g}{L \cdot N_t} = 175.2$ N
- (6) The shear forces of the anchor bolt $Q = F_h/N = 122.5$ N
- (7) The stress arising to the anchor bolt
- The tensile stress. $\sigma = R_b/A = 2.2$ MPa $< f_t = 176.4$ MPa
 - The shearing stress. $\tau = Q/A = 1.6$ MPa $< f_s = 132.3$ MPa
 - The stress when affected by both the shearing and the tensile at the same time. $f_{ts} = 1.4f_t - 1.6\tau = 244.4$ MPa
 $\sigma = 2.2$ MPa $< f_{ts} = 244.4$ MPa
- (8) The construction way of the anchor bolt
- The construction way of the anchor bolt. = Boxed J type anchor
 - The thickness of the concrete. = 120 mm = 0.120 m
 - The length of buried part of bolt. = 70 mm = 0.070 m
 - The permissible withdrawal weight. $T_a = 3136$ N $> R_b = 175$ N

Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

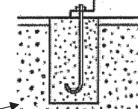
2.Model name: SUZ-KA71VA5

3.Specification

- (1) Unit mass $W = 53$ kg
- (2) Anchor bolt
- The total number of bolts. $N = 4$
 - The size and shape. $\phi = M 10$ type
 - The axis section area per one bolt. $A = 78$ mm² = 78×10^{-6} m²
 - The total number of bolts in one side which be pulled stronger when the unit inverted. $N_t = 2$
 - The height between the installing surface and the center of gravity of the unit $H_g = 340$ mm = 0.340 m
 - The bolt-span from the examination angle $L = 360$ mm = 0.360 m
 - The distance between the center of bolt and the center of gravity of the unit $L_g = 165$ mm ($L_g \leq L/2$) = 0.165 m

4.The examination calculation (by rounding off to the first decimal place of each item)

- (1) The horizontal seismic coefficient for designing $K_h = 1.0$
- (2) The vertical seismic coefficient for designing $K_v = K_h/2 = 0.5$
- (3) The horizontal earthquake forces for designing $F_h = K_h \cdot W \cdot 9.8 = 519.4$ N
- (4) The vertical earthquake forces for designing $F_v = K_v \cdot W \cdot 9.8 = 259.7$ N
- (5) The withdrawal strength of the anchor bolt $R_b = \frac{F_h \cdot H_g \cdot (W \cdot 9.8 - F_v) \cdot L_g}{L \cdot N_t} = 185.8$ N
- (6) The shear forces of the anchor bolt $Q = F_h/N = 129.9$ N
- (7) The stress arising to the anchor bolt
- The tensile stress. $\sigma = R_b/A = 2.4$ MPa < $f_t = 176.4$ MPa
 - The shearing stress. $\tau = Q/A = 1.7$ MPa < $f_s = 132.3$ MPa
 - The stress when affected by both the shearing and the tensile at the same time. $f_{ts} = 1.4f_t - 1.6\tau = 244.2$ MPa
 $\sigma = 2.4$ MPa < $f_{ts} = 244.2$ MPa
- (8) The construction way of the anchor bolt
- The construction way of the anchor bolt. = Boxed J type anchor
 - The thickness of the concrete. = 120 mm = 0.120 m
 - The length of buried part of bolt. = 70 mm = 0.070 m
 - The permissible withdrawal weight. $T_a = 3136$ N > R_b 186 N



Since the results from the examination above, the anchor bolt has enough strength

