

SUBMITTAL DATA: SEZ-KD18NA & SUZ-KA18NA..... 18,000 BTU/H HORIZONTAL-DUCTED HEAT-PUMP SYSTEMS

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For ☐ Reference ☐ Approval ☐ Construction	
System Designation:	Schedule No.:	

GENERAL FEATURES

- Horizontal-ducted indoor unit for concealed applications
- Ultra thin body: 7-7/8" high
- Built-in drain mechanism for condensate removal; lifts to 21-11/16"
- Air filter is included with indoor unit
- Quiet operation — as low as 23 dBA
- Indoor unit powered from outdoor unit using A-Control
- Automatic fan speed control
- Auto restart following a power outage
- Limited warranty: five years on parts/defects; seven years on compressors

OPTIONAL ACCESSORIES
Indoor Unit

- ☐ Filter Box with MERV 8 Filters (FBL1-3)
- ☐ Bottom Return Plate (BRP-3)

Outdoor Unit

- ☐ Drain Socket (MAC-811DS)
- ☐ Drain Pan Heater (MAC-641BH-U)
- ☐ Three-pole Disconnect Switch (TAZ-MS303)
- ☐ Air Outlet Guide (MAC-856SG)
- ☐ Mounting Base (DSD-400N)
- ☐ Mounting Pad (ULTRILITE1)
- ☐ Wall-mounting Brackets (CWMB1)

Controller Options

- ☐ Wall-mounted Wired Remote Controller (PAR-21MAA)
- ☐ M-NET Control Adapter (MAC-399IF)
- ☐ Remote Temperature Sensor (M21-JKO-307)
- ☐ Hand-held Wireless Remote Controller (PAR-FL32MA; eq. PAR-FA32MA-E)
- ☐ Wireless Signal Receiver Module PAR-FA32MA (for PAR-FL32MA)
- ☐ Lockdown Bracket for Hand-held Controller (RCMKP1CB)

Cooling*

Rated Capacity.....17,200 Btu/h
Capacity Range.....3,800 - 19,000 Btu/h
SEER.....17.5
Total Input.....1,380 W

Heating at 47°F*

Rated Capacity.....21,600 Btu/h
Capacity Range.....4,800 - 24,900 Btu/h
HSPF.....10.0
Total Input.....1,700 W

Heating at 17°F*

Rated Capacity.....13,100 Btu/h
Rated Total Input.....1,350 W
Maximum Capacity.....13,100 Btu/h
Maximum Total Input.....1,830 W

*Rating Conditions (Cooling)-Indoor: 80°F (27°C) DB, 67°F (19°C) WB; Outdoor: 95°F (35°C) DB, 75°F (24°C) WB.
(Heating at 47°F)-Indoor: 70°F (21°C) DB, 60°F (16°C) WB; Outdoor: 47°F (8°C) DB, 43°F (6°C) WB.
(Heating at 17°F)-Indoor: 70°F (21°C) DB, 60°F (16°C) WB; Outdoor: 17°F (-8°C) DB, 15°F (-9°C) WB.

Electrical Requirements

Power Supply.....208 / 230V, 1-Phase, 60 Hz
Recommended Fuse/Breaker Size.....15 A

OPERATING CONDITIONS

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	90°F (32°C) DB, 73°F (23°C) WB	115°F (46°C) DB
	Minimum	67°F (19°C) DB, 57°F (14°C) WB	14°F (-10°C) DB
Heating	Maximum	80°F (27°C) DB, 67°F (19°C) WB	75°F (24°C) DB, 65°F (18°C) WB
	Minimum	70°F (21°C) DB, 60°F (16°C) WB	-4°F (-20°C) DB, -5°F (-21°C) WB



Indoor Unit: SEZ-KD18NA



Outdoor Unit: SUZ-KA18NA

Voltage

Indoor - Outdoor S1-S2.....AC 208 / 230V
Indoor - Outdoor S2-S3.....DC 12-24V

Indoor Unit

MCA.....1 A
Fan Type x Quantity.....Sirocco Fan x 4
Fan Motor Type.....Direct-driven DC Brushless Motor
Fan Motor Output.....96 W
Fan Motor.....0.74 F.L.A.
Airflow (Lo - Med - Hi).....423 - 529 - 635 Dry CFM
381 - 476 - 572 Wet CFM
Air Filter.....Polypropylene Honeycomb
External Static Pressure.....0.02 - 0.06 - 0.14 - 0.20" WG
Sound Pressure Level (Lo - Med - Hi).....30 - 34 - 38 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	46-7/8 / 1,190
D	27-9/16 / 700
H	7-7/8 / 200

Weight......62 lbs. / 28 kg
External Finish.....Galvanized-steel Sheets
Field Drainpipe Size O.D.....1-1/4" / 32 mm

Outdoor Unit

Compressor.....DC Inverter-driven Twin Rotary
MCA.....14 A
MOCAP.....15 A
Fan Motor.....0.93 F.L.A.
Sound Pressure Level
Cooling.....54 dB(A)
Heating.....56 dB(A)

DIMENSIONS	INCHES / MM
W	33-1/16 / 840
D	13 / 330
H	33-7/16 / 850

Weight.....119 lbs. / 54 kg
External Finish.....Munsell No. 3Y 7.8 / 1.1

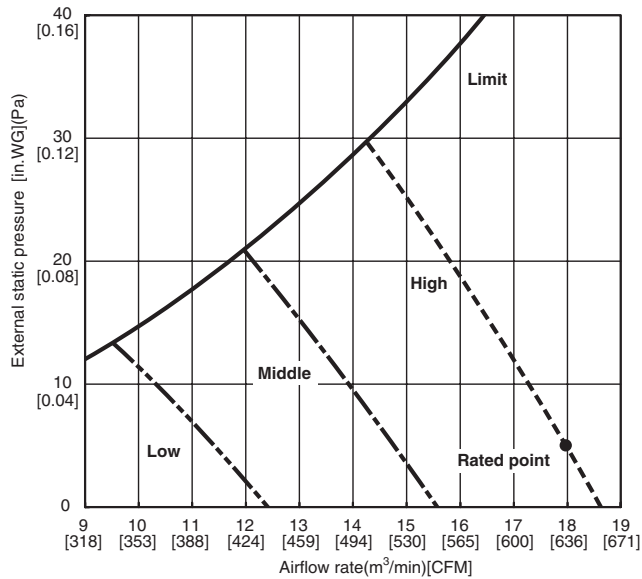
Refrigerant Type.....R410A
Refrigerant Pipe Size O.D.
Gas Side.....1/2" / 12.7 mm
Liquid Side.....1/4" / 6.35 mm
Max. Refrigerant Pipe Length.....100' / 30 m
Max. Refrigerant Pipe Height Difference.....50' / 15 m
Connection Method.....Flared



SEZ-KD18NA INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW CHARTS

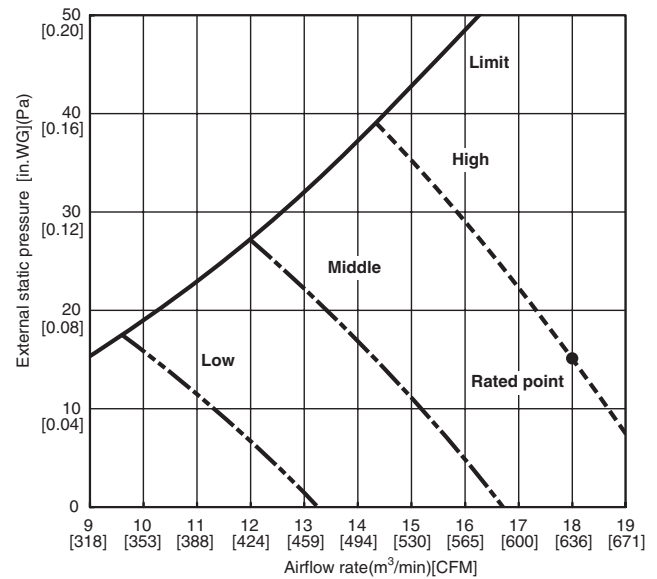
SEZ-KD18NA

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



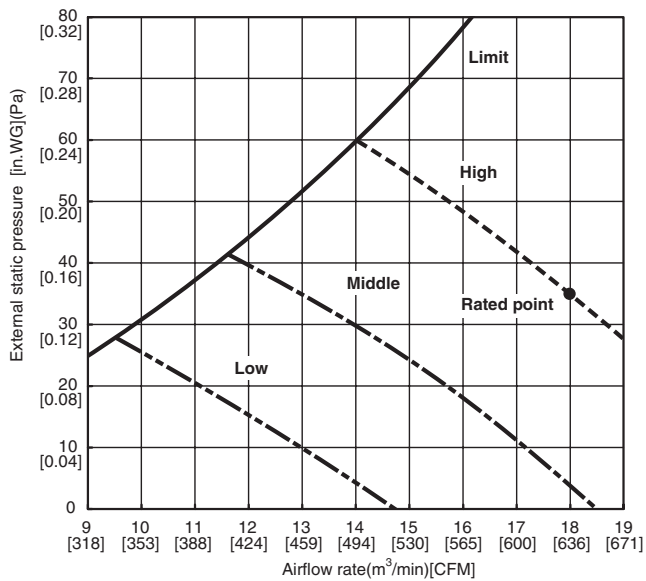
SEZ-KD18NA

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



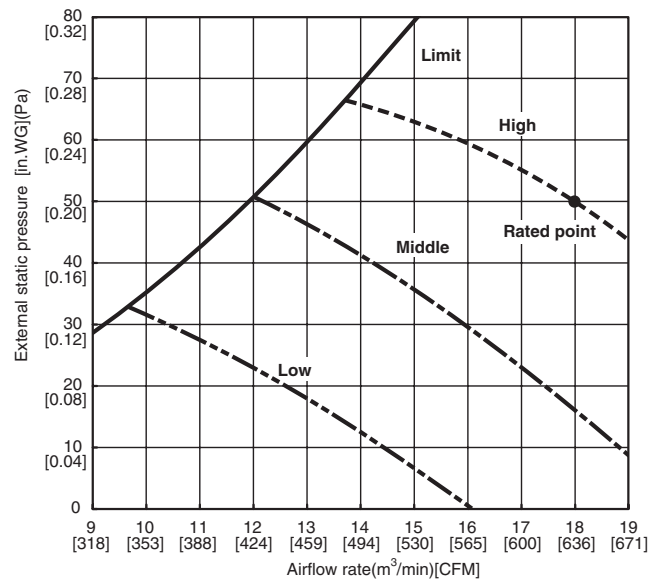
SEZ-KD18NA

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



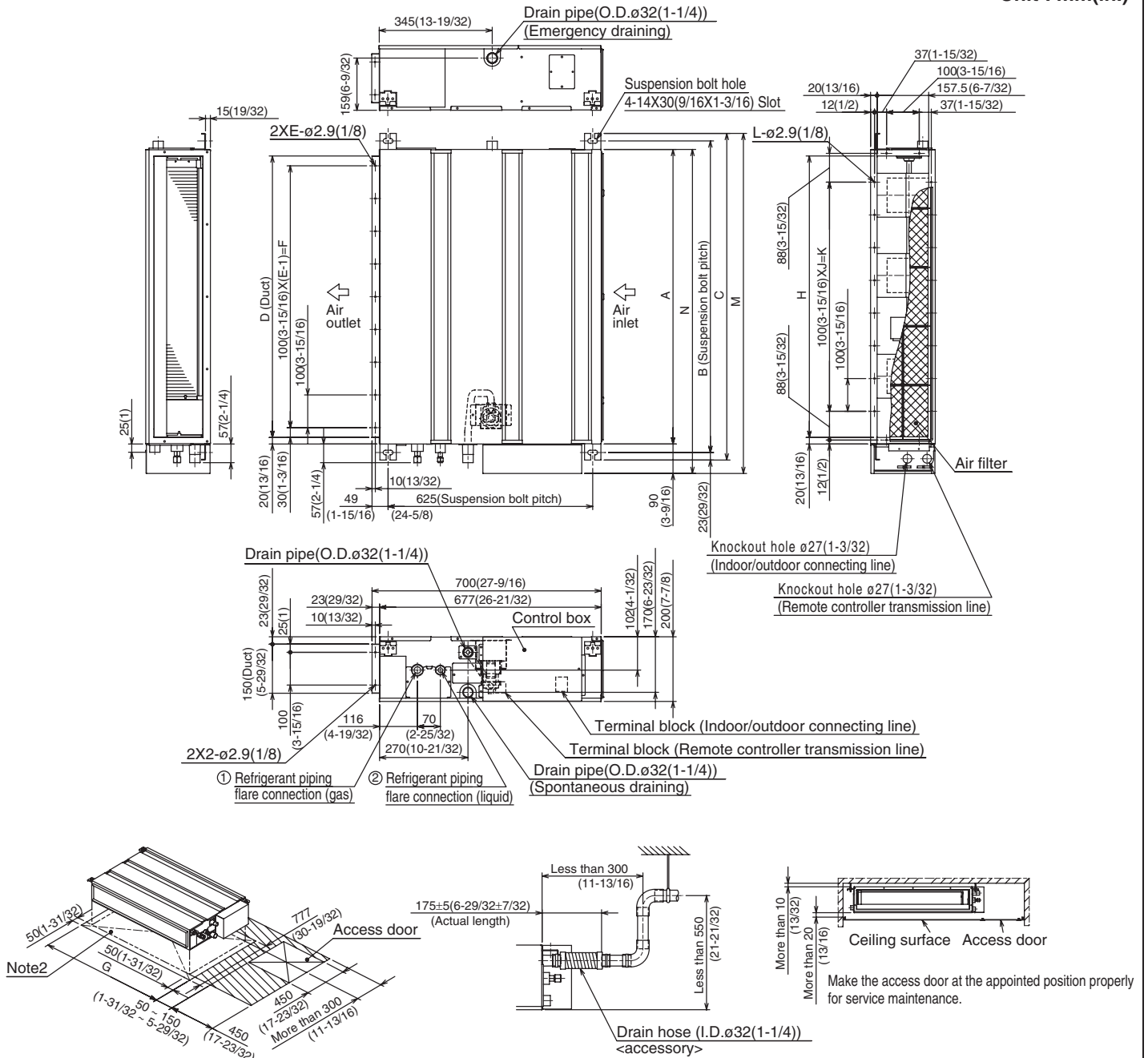
SEZ-KD18NA

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



DIMENSIONS: SEZ-KD18NA

Unit : mm(in.)



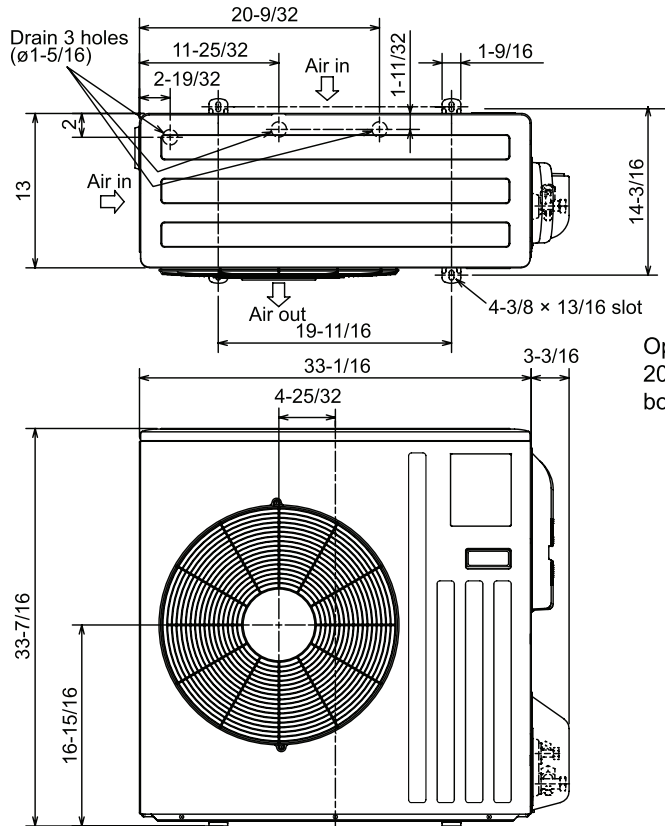
Required space for service and maintenance

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	① Gas pipe	② Liquid pipe
SEZ-KD09NA	700 (27-9/16)	752 (29-5/8)	798 (31-7/16)	660 (26)	7	600 (23-5/8)	800 (31-1/2)	660 (26)	5	500 (19-11/16)	16	839 (33-1/16)	790 (31-1/8)	ϕ 9.52(3/8)	ϕ 6.35(1/4)
SEZ-KD12NA	900 (35-7/16)	952 (37-1/2)	998 (39-5/16)	860 (33-7/8)	9	800 (31-1/2)	1000 (39-3/8)	860 (33-7/8)	7	700 (27-9/16)	20	1039 (40-29/32)	990 (39)		
SEZ-KD15NA	1100 (43-5/16)	1152 (45-3/8)	1198 (47-3/16)	1060 (41-3/4)	11	1000 (39-3/8)	1200 (47-1/4)	1060 (41-3/4)	9	900 (35-7/16)	24	1239 (48-25/32)	1190 (46-7/8)	ϕ 12.7(1/2)	

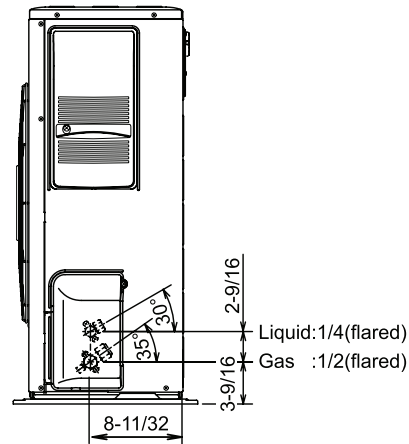
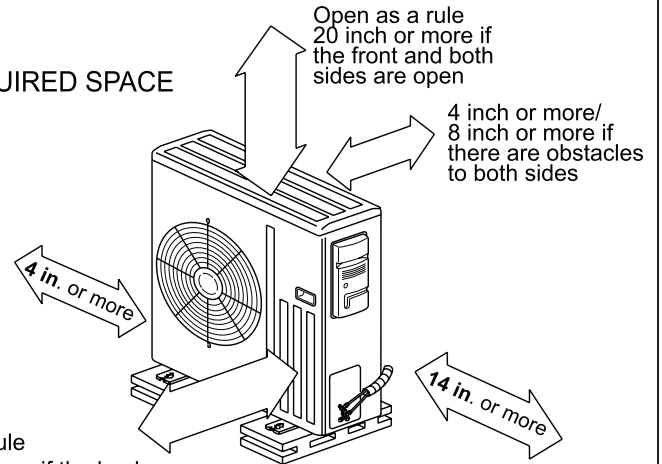
- Note1. Use M10 screw for the suspension bolt (field supply).
 Note2. Keep the service space for the maintenance at the bottom.
 3. This chart indicates for SEZ-KD15NA model, which has 3 fans.
 SEZ-KD09, 12NA models have 2 fans.
 SEZ-KD18NA models have 4 fans.
 4. In case an inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

DIMENSIONS: SUZ-KA18NA

Unit: inch



REQUIRED SPACE



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