

SUBMITTAL DATA: SEZ-KD12NA

12,000 BTU/H HORIZONTAL-DUCTED INDOOR UNIT FOR MXZ MULTI-ZONE HEAT-PUMP SYSTEMS

Job Name: _____	Location: _____	Date: _____
Purchaser: _____	Engineer: _____	
Submitted to: _____	For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction	
System Designation: _____	Schedule No.: _____	

GENERAL FEATURES

- Ceiling-concealed ducted indoor unit for residential 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
- PAR-21MAA wired remote controller is included
- Indoor unit powered from outdoor unit using A-Control
- Automatic fan speed control
- Auto restart following a power outage
- Limited warranty: one year on parts and defects

OPTIONAL ACCESSORIES

- M-NET Control Adapter (MAC-399IF)
- External Heat Adapter (PAC-YU25HT)
- CN24 Relay Kit (CN24RELAY-KIT-CM)
- Three-pole Disconnect Switch (TAZ-MS303)

Cooling*

Rated Capacity 12,000 Btu/h
 Total Input70 W
 Current 0.57 A

Heating*

Rated Capacity 13,600 Btu/h
 Total Input50 W
 Current 0.46 A

* 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) - Indoor: 70°F (21°C) DB / 60°F (16°C) WB. Outdoor: 47°F (8°C) DB / 43°F (6°C) WB.

(For data on specific indoor units [all ducted, all non-ducted, and both ducted and non-ducted] combinations, see the MXZ Technical and Service Manual.)

Electrical Requirements

Power Supply 208 / 230V, 1-Phase, 60 Hz
 MCA 1 A

Voltage

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



Indoor Unit: SEZ-KD12NA



Remote Controller: PAR-21MAA

Fan

Type x Quantity Sirocco Fan x 2
 Motor Direct-driven DC Brushless Motor
 Motor Output96 W
 Airflow (Lo - Med - Hi) 247 - 317 - 388 CFM
 Air Filter Polypropylene Honeycomb
 External Static Pressure 0.02 - 0.06 - 0.14 - 0.20" WG
 Sound Pressure Level (Lo - Med - Hi)23 - 28 - 33 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	39 / 990
D	27-9/16 / 700
H	7-7/8 / 200

Weight 46 lbs. / 21 kg

Field Drainpipe Size O.D. 1-1/4" / 32 mm

Wall-mounted Remote Controller PAR-21MAA
 (See Data Submittal Sheet)

Refrigerant Type R410A

Refrigerant Pipe Size O.D.

Gas Side 3/8" / 9.52 mm

Liquid Side 1/4" / 6.35 mm

Connection Method Flared

MXZ MULTI-ZONE HEAT-PUMP OUTDOOR UNITS


Outdoor Unit: MXZ-3A30NA

MXZ MULTI-ZONE SYSTEMS CAN INCLUDE:

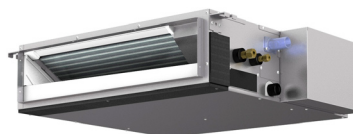
- All Horizontal-ducted Indoor Units:
SEZ-KD09, 12, 15, 18NA
- Select Wall-mounted Indoor Units:
MSZ-A09, 12, 15, 17, 24NA
 and
MSZ-FD09, 12NA
- A combination of both Horizontal-ducted and Wall-mounted Indoor Units
 Refer to the separate submittal forms for the MSZ-A and MSZ-FD Indoor Units and MXZ Outdoor Units.

MXZ COMPATIBLE INDOOR UNITS AND REMOTE CONTROLLERS


Wall-mounted Indoor Unit: MSZ-A09, 12, 15, 17, 24NA



Wall-mounted Indoor Unit: MSZ-FD-NA


 Wireless Remote Controller -
 Packaged with MSZ-A and MSZ-FD
 (Optional Wired Remote Controller
 PAR-21MAA)


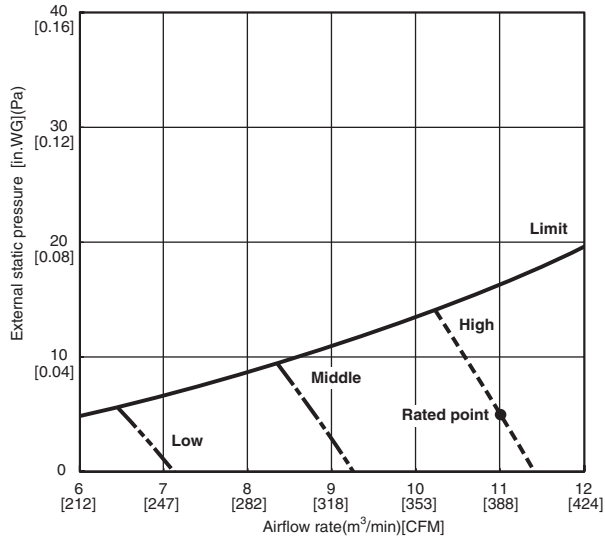
Horizontal-ducted Indoor Unit: SEZ-KD-NA


 Remote Controller
 PAR-21MAA -
 Packaged with SEZ


SEZ-KD12NA INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW CHARTS

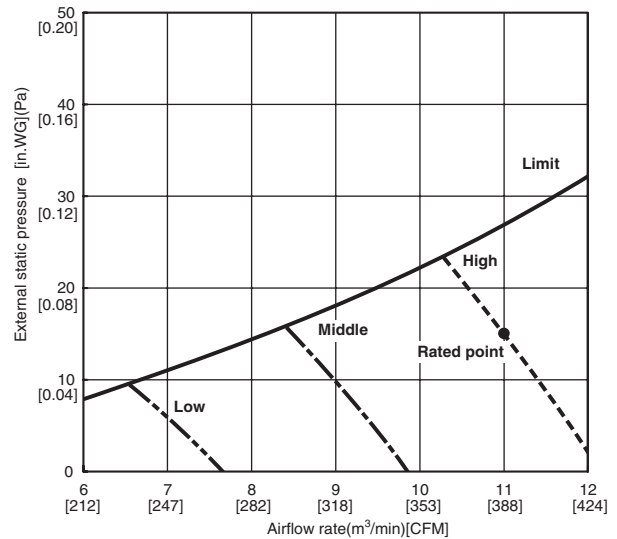
SEZ-KD12NA

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



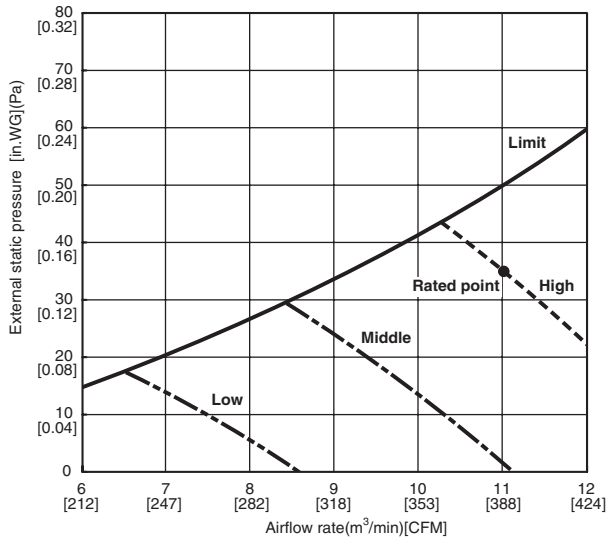
SEZ-KD12NA

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



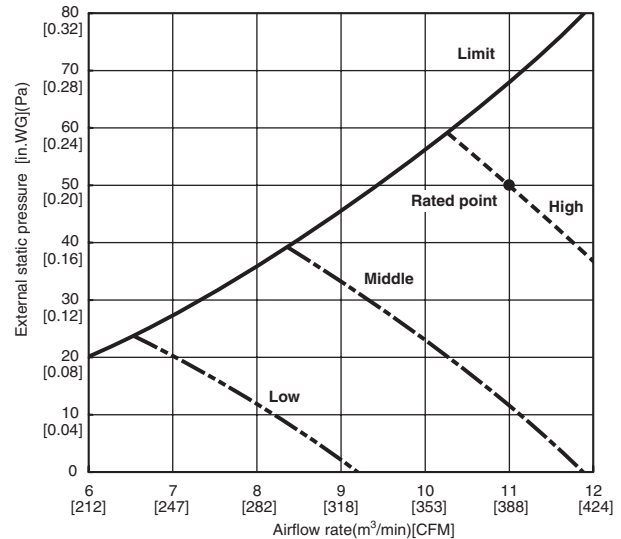
SEZ-KD12NA

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



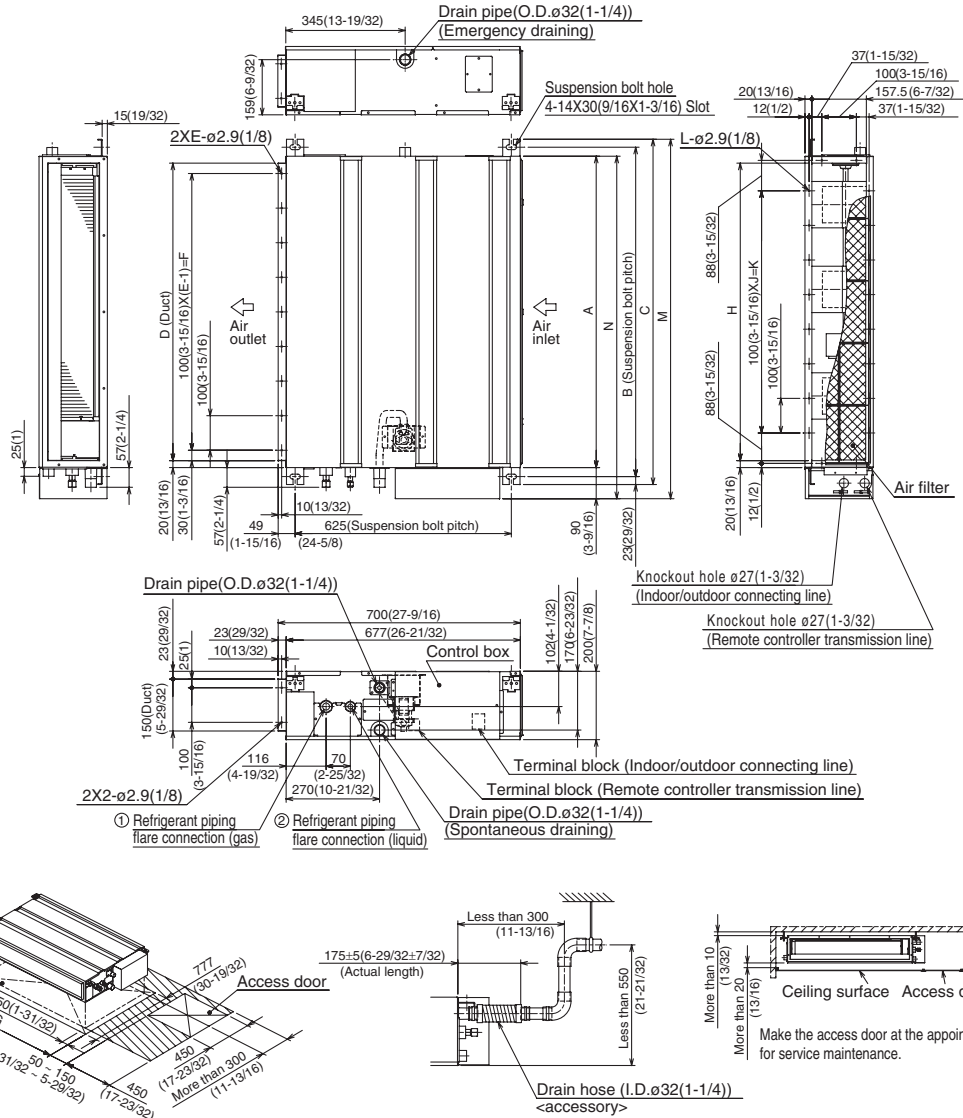
SEZ-KD12NA

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



DIMENSIONS: SEZ-KD12NA

Unit : mm(in.)



Required space for service and maintenance

Model	mm(in.)														mm(in.)	
	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 (29-3/8)	798 (31-7/16)	660 (26)	7	600 (23-5/8)	800 (31-1/2)	660 (26)	5	500 (19-11/16)	16	839 (33-1/8)	790 (31-1/8)	ø9.52(3/8)	ø6.35(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)			

- 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-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.



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