

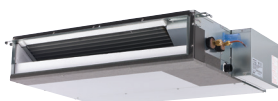
SUBMITTAL DATA: SEZ-KD12NA4** & SUZ-KA12NA

12,000 BTU/H HORIZONTAL-DUCTED HEAT-PUMP SYSTEMS

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

****APPLIES TO INDOOR UNIT:**

- ☐ SEZ-KD12NA4
- ☐ SEZ-KD12NA4.TH
- ☐ SEZ-KD12NAR1.TH
- ☐ SEZ-KD12NA4R1.TH



Indoor Unit: SEZ-KD12NA4**



Outdoor Unit: SUZ-KA12NA

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
- AUTO fan speed control
- Automatic restart following a power outage
- Limited warranty: five years parts and seven years compressors

ACCESSORIES
Indoor Unit

- ☐ Filter Box with MERV 8 Filters (FBL1-2)
- ☐ Bottom Return Plate (BRP-2)

Outdoor Unit

- ☐ Drain Socket (MAC-860DS)
- ☐ Drain Pan Heater (MAC-640BH-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

- ☐ Wireless Wall-mounted Remote Controller Kit (MHK1)*
- ☐ Portable Central Controller (MCCH1)*
- ☐ Outdoor Air Sensor (MOS1)*
- ☐ Wired Wall-mounted Controller (PAR-31MAA)*
- ☐ Simple MA Remote Controller (PAC-YT53CRAU)*

*See Submittal for information on each option.

- ☐ Remote Temperature Sensor (M21-JKO-307)
- ☐ Hand-held Wireless Remote Controller (PAR-FL32MA; req. PAR-FA32MA-E)
- ☐ Wireless Signal Receiver Module PAR-FA32MA (for PAR-FL32MA)
- ☐ Lockdown Bracket for Hand-held Controller (RCMKP1CB)



SPECIFICATIONS: SEZ-KD12NA4** & SUZ-KA12NA

Cooling*

Rated Capacity 11,500 Btu/h
Capacity Range 3,800 - 13,300 Btu/h
SEER 16.0
Total Input 920 W

Heating at 47°F*

Rated Capacity 13,600 Btu/h
Capacity Range 4,800 - 16,400 Btu/h
HSPF 10.0
Total Input 1,140 W

Heating at 17°F*

Rated Capacity 9,000 Btu/h
Rated Total Input 920 W
Maximum Capacity** 9,000 Btu/h
Maximum Total Input 1,180 W

* Rating Conditions per AHRI Standard

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
Cooling | 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
Heating at 47°F | 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
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

**** Maximum Capacity is at full speed and performance for INVERTER-driven System.**

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

Voltage

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

Indoor Unit

MCA 1 A
Blower Type x Quantity Sirocco Fan x 2
Blower Motor Type Direct-driven DC Brushless Motor
Blower Motor Output 96 W
Blower Motor (ECM) 0.57 F.L.A.
Airflow (Lo - Med - Hi) 247 - 317 - 388 Dry CFM
222 - 285 - 349 Wet 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 50 lbs. / 22 kg
External Finish Galvanized-steel Sheets
Field Drainpipe Size O.D. 1-1/4" / 32 mm

Outdoor Unit

Compressor DC Inverter-driven
MCA 12 A
MOCP 15 A
Fan Motor (ECM) 0.50 F.L.A.
Sound Pressure Level
Cooling 49 dB(A)
Heating 51 dB(A)

DIMENSIONS	INCHES / MM
W	31-1/2 / 800
D	11-1/4 / 285
H	21-5/8 / 550

Weight 77 lbs. / 35 kg
External Finish Munsell No. 3Y 7.8 / 1.1

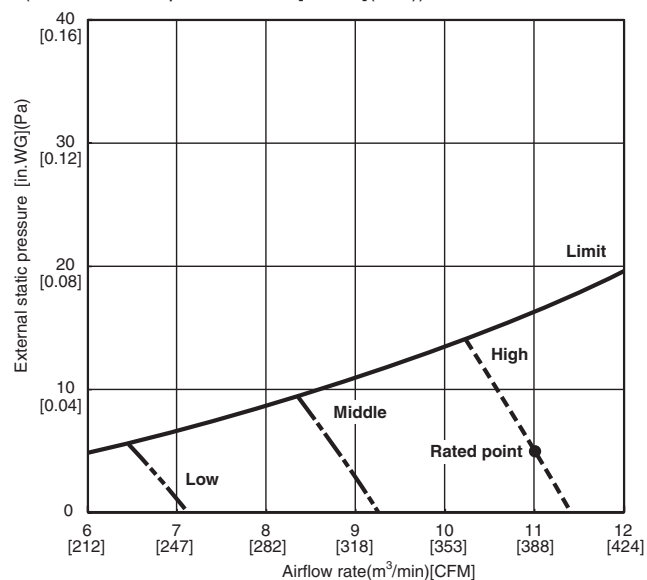
Refrigerant Type R410A
Refrigerant Pipe Size O.D.
Gas Side 3/8" / 9.52 mm
Liquid Side 1/4" / 6.35 mm
Max. Refrigerant Pipe Length 65' / 19 m
Max. Refrigerant Pipe Height Difference 40' / 12 m
Connection Method Flared

Notes:

SEZ-KD12NA4** INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW CHARTS

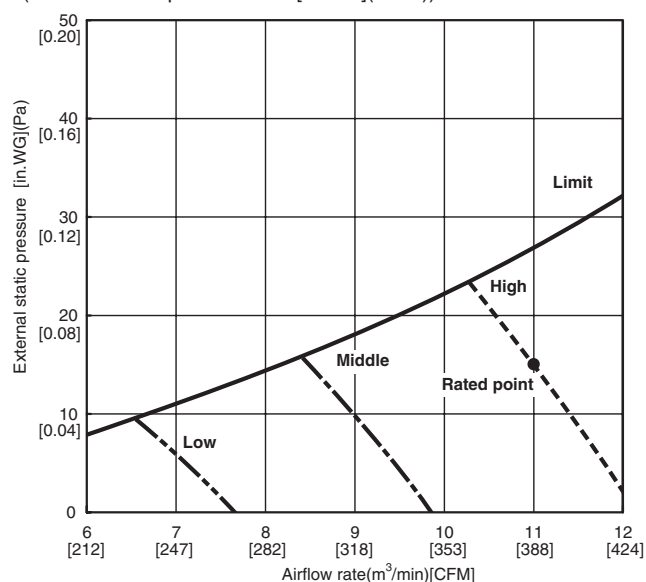
SEZ-KD12NA4

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



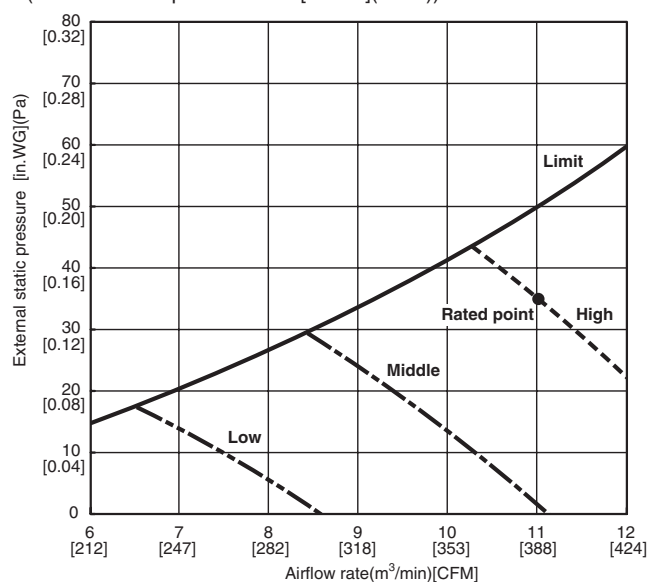
SEZ-KD12NA4

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



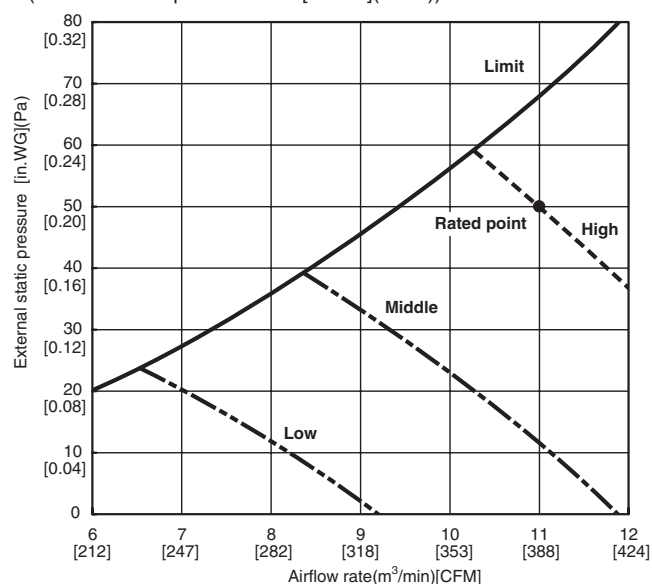
SEZ-KD12NA4

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



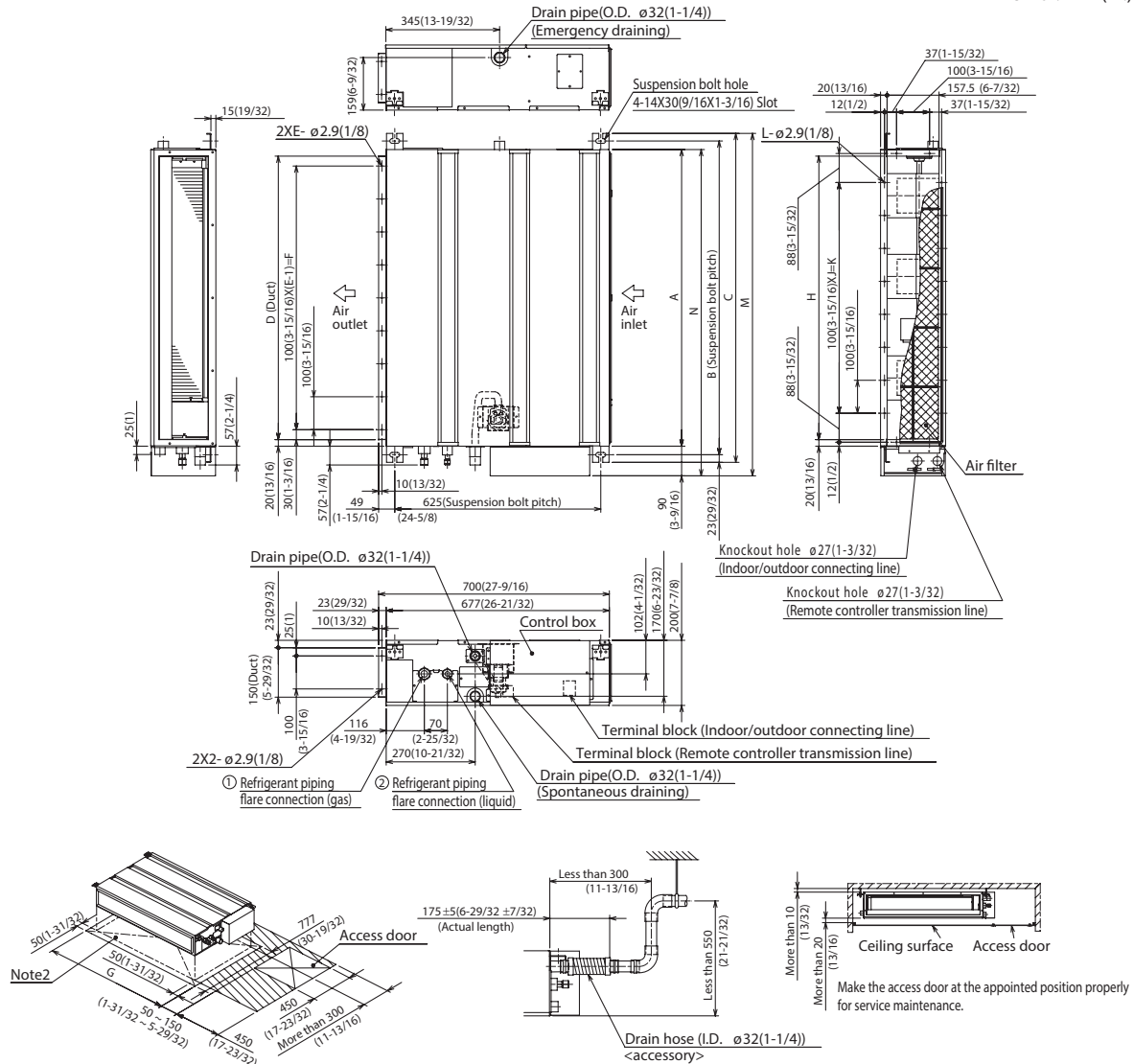
SEZ-KD12NA4

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



DIMENSIONS: SEZ-KD12NA4**

Unit : mm(in.)



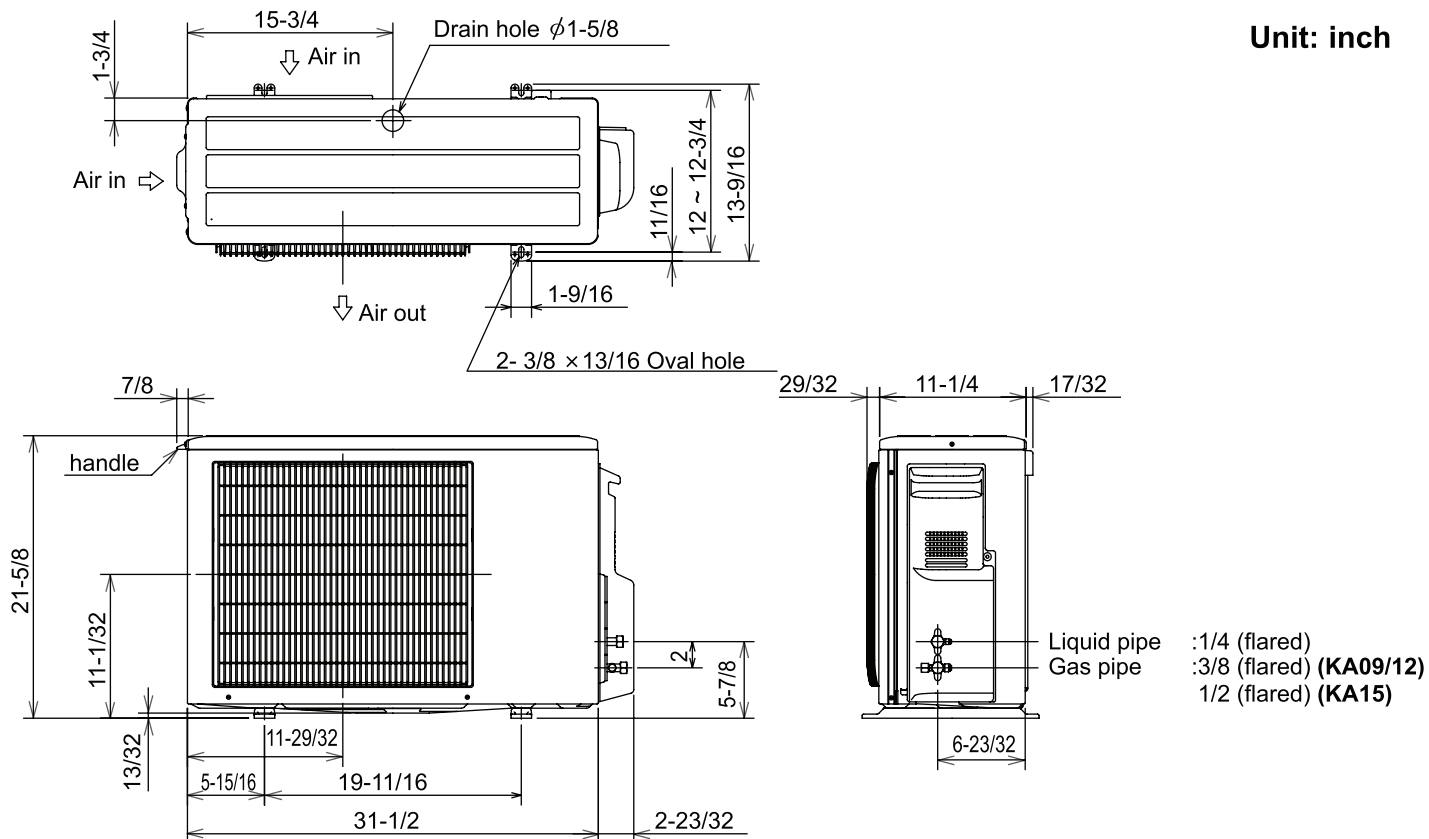
Required space for service and maintenance

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	① Gas pipe	② Liquid pipe
SEZ-KD09NA4**	700 (27-9/16)	752 (29-5/8)	798 (31-7/16)	660 (26)	7	600 (23-5/8)	800 (31-1/2)	660 (26)	5	500 (19-11/16)	16	839 (33-1/16)	790 (31-1/8)	$\phi 9.52(3/8)$	$\phi 6.35(1/4)$
SEZ-KD12NA4**	900 (35-7/16)	952 (37-1/2)	998 (39-5/16)	860 (33-7/8)	9	800 (31-1/2)	1000 (39-3/8)	860 (33-7/8)	7	700 (27-9/16)	20	1039 (40-29/32)	990 (39)	$\phi 12.7(1/2)$	
SEZ-KD18NA4**	1100 (43-5/16)	1152 (45-3/8)	1198 (47-3/16)	1060 (41-3/4)	11	1000 (39-3/8)	1200 (47-1/4)	1060 (41-3/4)	9	900 (35-7/16)	24	1239 (48-25/32)	1190 (46-7/8)		

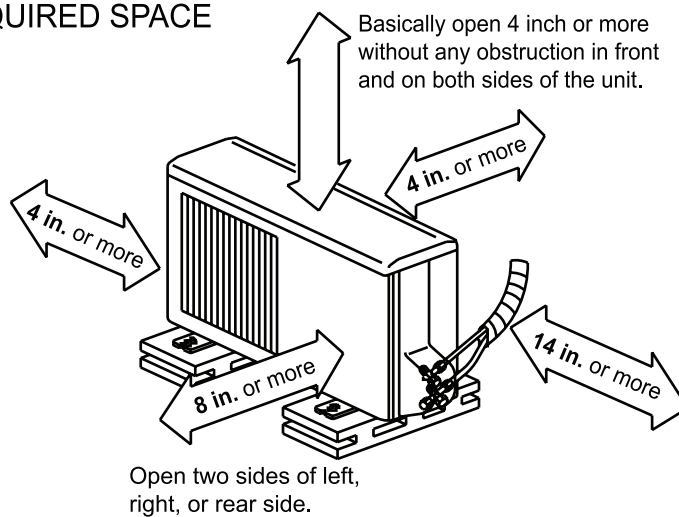
- Note1. Use M10 screw for the suspension bolt (field supply).
 2. Keep the service space for the maintenance at the bottom.
 3. This chart indicates for SEZ-KD15NA4** model, which has 3 fans.
 SEZ-KD09, 12NA4** models have 2 fans.
 SEZ-KD18NA4** models have 4 fans.
 4. In case an inlet duct is used,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

DIMENSIONS: SUZ-KA12NA

Unit: inch



REQUIRED SPACE



Intertek



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