

SUBMITTAL DATA: SEZ-KD15NA4 & SUZ-KA15NA-TH**

15,000 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-KD15NA4
- SEZ-KD15NA4.TH
- SEZ-KD15NAR1.TH
- SEZ-KD15NA4R1.TH



Indoor Unit: SEZ-KD15NA4**



Outdoor Unit: SUZ-KA15NA-TH

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
- -H models have optional Drain Pan Heater (MAC-640BH-U)

ACCESSORIES

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.



SPECIFICATIONS: SEZ-KD15NA4** & SUZ-KA15NA-TH

Cooling*

Rated Capacity 14,100 Btu/h
 Capacity Range 3,800 - 17,000 Btu/h
 SEER 15.5
 Total Input 1,170 W

Heating at 47°F*

Rated Capacity 18,000 Btu/h
 Capacity Range 4,800 - 21,100 Btu/h
 HSPF 10.0
 Total Input 1,500 W

Heating at 17°F*

Rated Capacity 11,900 Btu/h
 Rated Total Input 1,200 W
 Maximum Capacity** 11,900 Btu/h
 Maximum Total Input 1,650 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 3
 Blower Motor Type Direct-driven DC Brushless Motor
 Blower Motor Output 96 W
 Blower Motor (ECM) 0.74 F.L.A.
 Airflow (Lo - Med - Hi) 353 - 441 - 529 Dry CFM
 317 - 396 - 476 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 - 37 dB(A)

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

Weight 54 lbs. / 24 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 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 80 lbs. / 36 kg
 External Finish Munsell No. 3Y 7.8 / 1.1

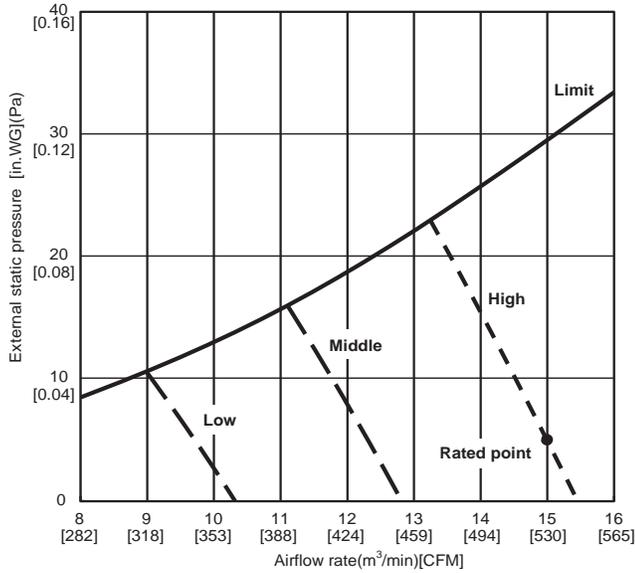
Refrigerant Type R410A
 Refrigerant Pipe Size O.D.
 Gas Side 1/2" / 12.7 mm
 Liquid Side 1/4" / 6.35 mm
 Max. Refrigerant Pipe Length 65' / 19 m
 Max. Refrigerant Pipe Height Difference 40' / 12 m
 Connection Method Flared

Notes:

SEZ-KD15NA INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW CHARTS**

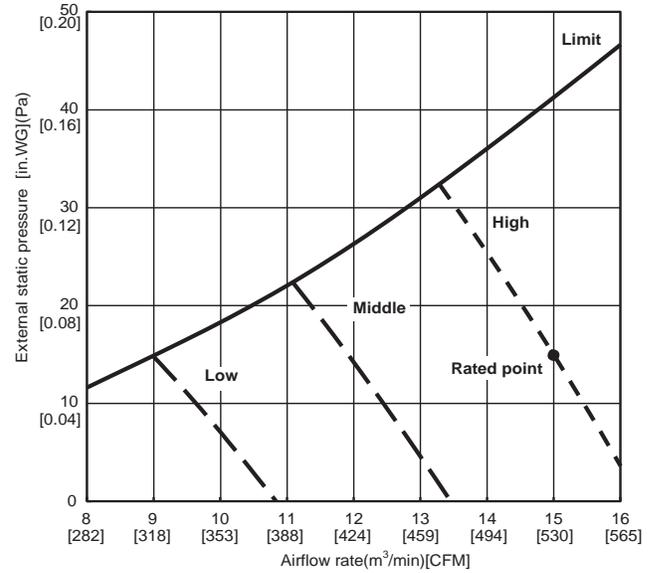
SEZ-KD15NA4

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



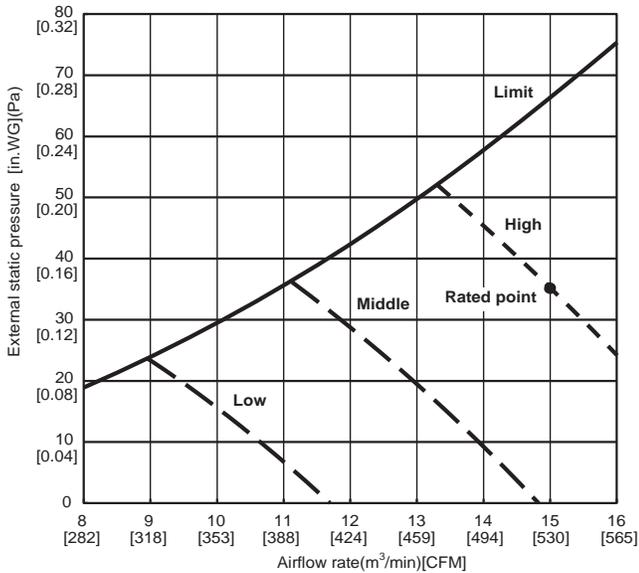
SEZ-KD15NA4

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



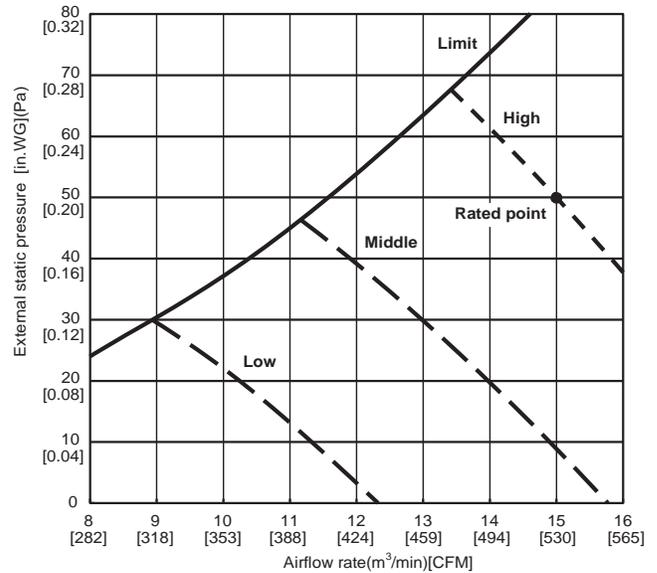
SEZ-KD15NA4

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

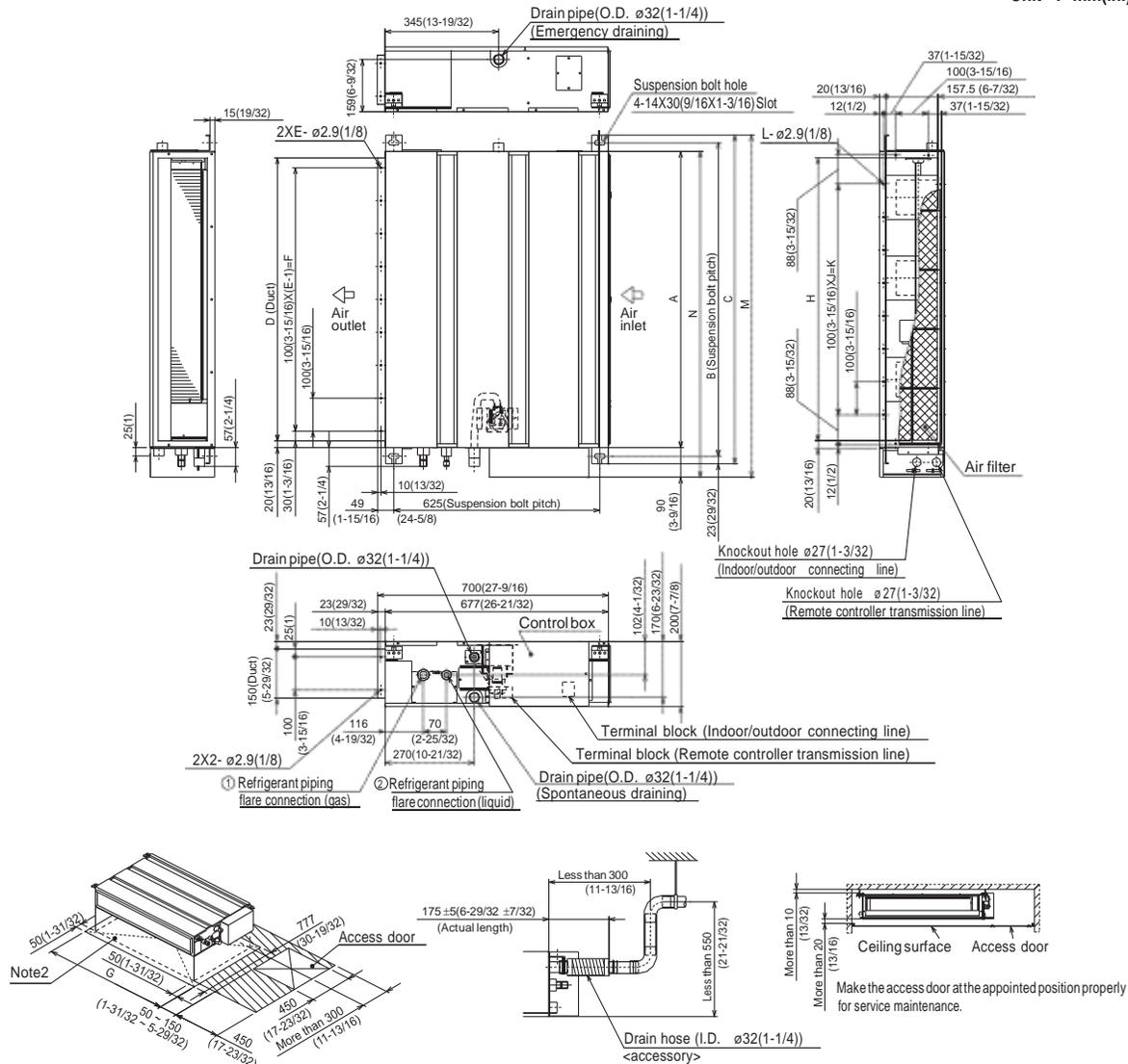


SEZ-KD15NA4

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



Unit : mm(in.)



Required space for service and maintenance

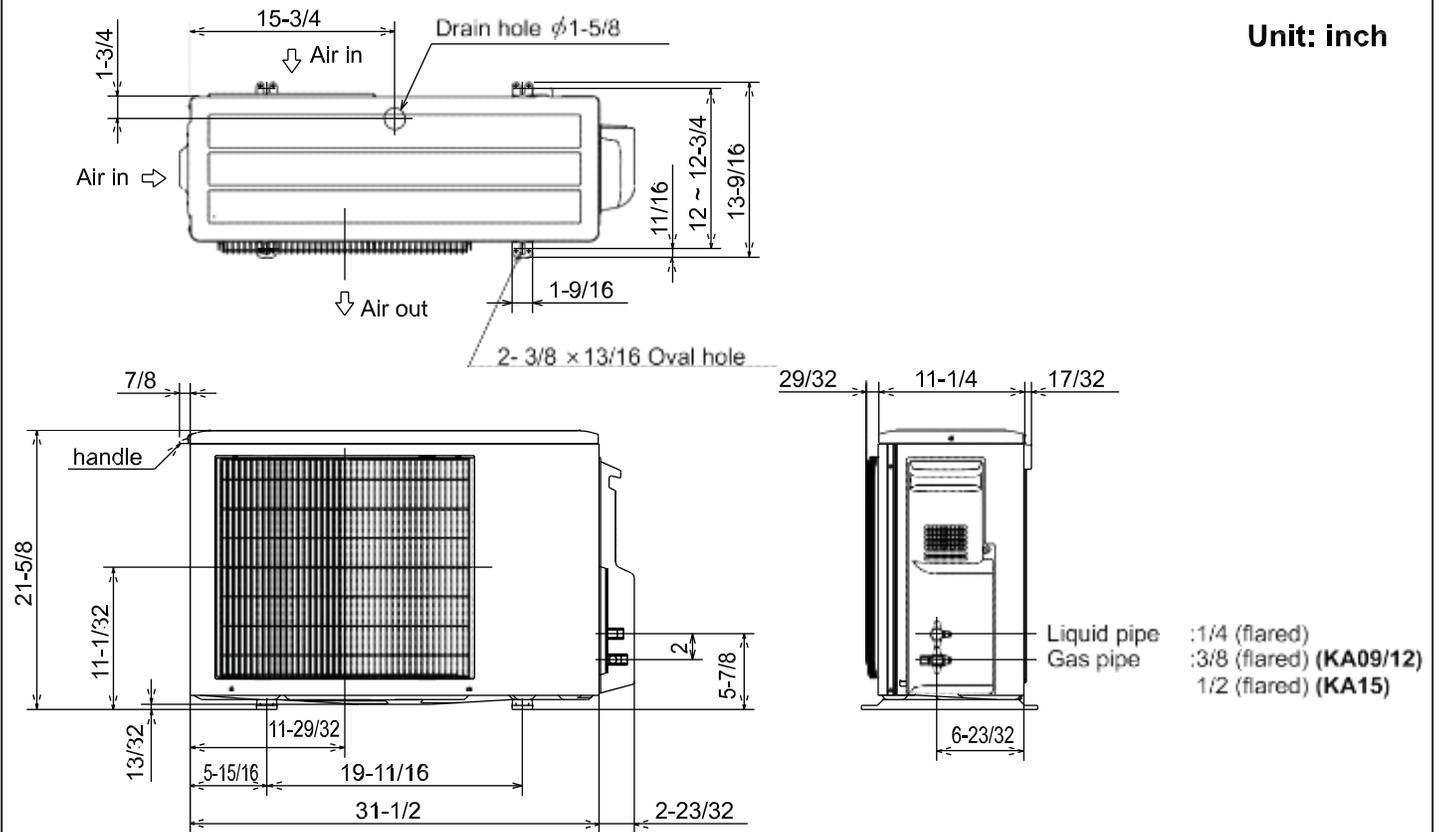
Model	mm(in.)													① Gas pipe	② Liquid pipe
	A	B	C	D	E	F	G	H	J	K	L	M	N		
SEZ-KD09NA4**	700 (27-9/16)	752 (29-5/8)	798 (31-7/16)	660 (26)	7	600 (23-5/8)	800 (31-1/2)	660 (26)	5	500 (19-11/16)	16	830 (33-1/16)	790 (31-1/8)	$\phi 9.52(3/8)$	$\phi 6.35(1/4)$
SEZ-KD12NA4**	900 (35-7/16)	952 (37-1/2)	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)		
SEZ-KD15NA4**	1100 (43-3/16)	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: SEZ-KD15NA4**

DIMENSIONS: SUZ-KA15NA-TH

Unit: inch



REQUIRED SPACE

