MITSUBISHI ELECTRIC
COOLING & HEATING

M-SERIES

SUBMITTAL DATA: SLZ-KA12NA & SUZ-KA12NA

12,000 BTU/H CEILING-CASSETTE HEAT-PUMP SYSTEMS

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



Indoor Unit: SLZ-KA12NA



Outdoor Unit: SUZ-KA12NA

ENERGY STAR

GENERAL FEATURES
- Four-way 2'x2' ceiling-cassette indoor unit for ceiling recessed applications
- Built-in drain mechanism for condensate removal; lifts to 19-11/16"
- Wide air-flow pattern for better air distribution
- Design features ventilation air intake knockout
- Long-life air filter included with indoor unit
- Indoor unit powered from outdoor unit using A-Control
- Choice of fan speed: Low, Medium, High
- Automatic restart following a power outage
- Limited warranty: five years parts and seven years compressors

ACCESSORIES
Indoor Unit
□ Grille (SLP-15AAUW; required - shipped with unit)

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 PAR-FA32MA (for PAR-FL32MA)
□ Lockdown Bracket for Hand-held Controller (RCMKP1CB)

R410A INVERTER

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SPECIFICATIONS: SLZ-KA12NA & SUZ-KA12NA

Cooling*
Rated Capacity . . . . . 11,100 Btu/h
Minimum to Maximum Capacity Range . . . . . 3,400 - 13,300 Btu/h
SEER . . . . . 15.4 Btu/h/W
EER . . . . . 12.0 Btu/h/W
Total Input . . . . . 920 W

Heating at 47° F*
Rated Capacity . . . . . 13,600 Btu/h
Minimum to Maximum Capacity Range . . . . . 3,100 - 17,100 Btu/h
HSPF . . . . . 9.6 Btu/h/W
COP 3.38
Total Input . . . . . 1,180 W

Heating at 17° F*
Rated Capacity . . . . . 8,300 Btu/h
Rated Total Input . . . . . 930 W
COP 2.62
Maximum Capacity** . . . . . 8,300 Btu/h
Maximum Total Input . . . . . 1,310 W

*** Rating Conditions per AHRI Standard**
Cooling | Indoor: 80º F (27º C) DB / 67º F (19º C) WB
Cooling | Outdoor: 95º F (35º C) DB / 75º F (24º C) WB
Heating at 47ºF | Indoor: 70º F (21º C) DB / 60º F (16º C) WB
Heating at 47ºF | Outdoor: 47º F (8º C) DB / 43º F (6º C) WB
Heating at 17º F | Indoor: 70º F (21º C) DB / 60º F (16º C) WB
Heating at 17º F | Outdoor: 17º F (-8º C) DB / 15º F (-9º 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

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

OPERATING CONDITIONS

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	95° F (35° C) DB 71° F (22° 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
MCA . . . . . 1 A
Fan Motor Output . . . . . 20 W
Fan Motor (ECM) . . . . . 0.28 F.L.A.
Airflow (Lo - Med - Hi) . . . . . 280 - 320 - 390 Dry CFM
250 - 290 - 350 Wet CFM
Air Filter . . . . . Polypropylene Honeycomb
Sound Pressure Level (Lo - Med - Hi) . . . . . 30 - 34 - 39 dB(A)

DIMENSIONS	UNIT INCHES / MM	GRILLE INCHES / MM
W	22-7/16 / 570	25-5/8 / 650
D	22-7/16 / 570	25-5/8 / 650
H	9-1/4 / 235	13/16 / 20

Weight (Unit/Grille)
Lbs. . . . . 36 / 7
kg . . . . . 16.5 / 3
External Finish (Unit/Grille) . . . . . Galvanized-steel Sheets / Munsell 6.4Y 8.9 / 0.4
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

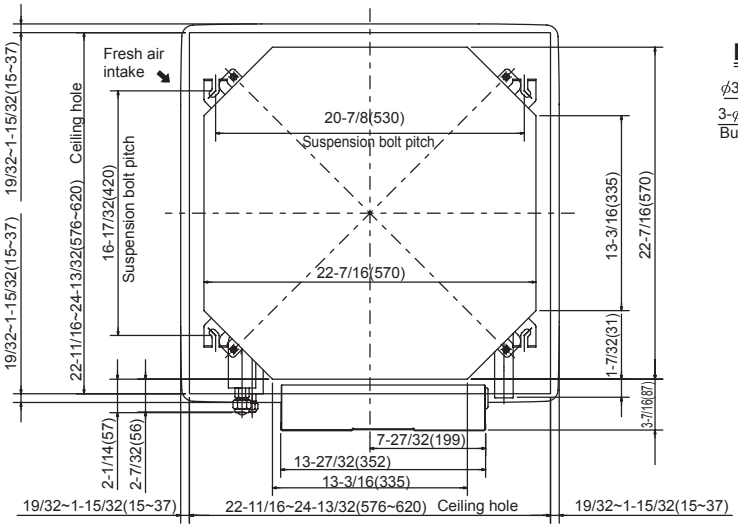
Weight . . . . . 77 lbs. / 35 kg
External Finish . . . . . Munsell No. 3Y 7.8 / 1.1
Refrigerant Type R410A
Refrigerant Pipe Size O.D.
Gas Side . . . . . 3/8" / 9.52 mm
Liquid Side . . . . . 1/4" / 6.35 mm
Max. Refrigerant Pipe Length . . . . . 65' / 19 m
Max. Refrigerant Pipe Height Difference . . . . . 40' / 12 m
Connection Method . . . . . Flared

Notes:

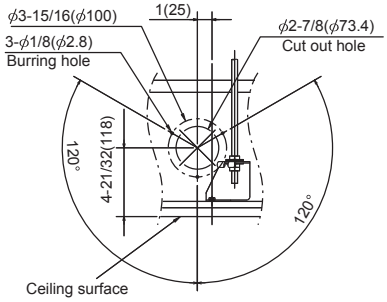
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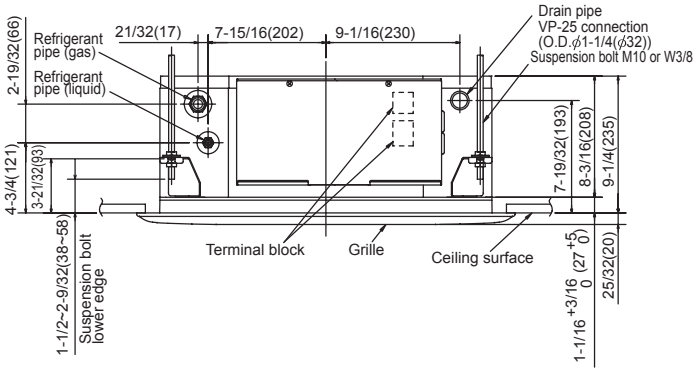
DIMENSIONS: SLZ-KA12NA

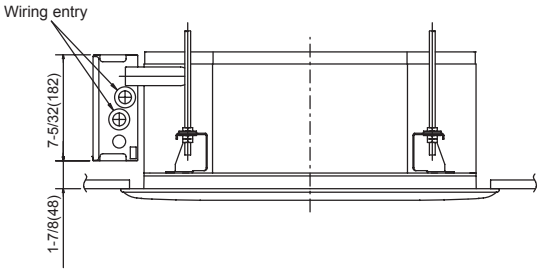
Unit : inch (mm)

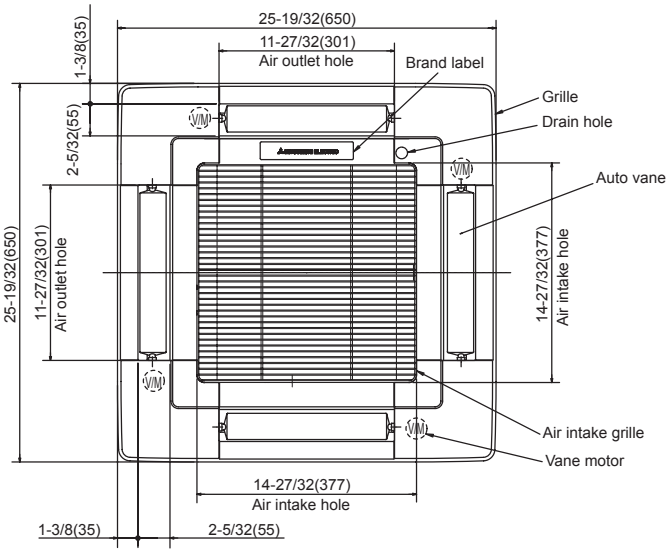


Detail drawing of fresh air intake









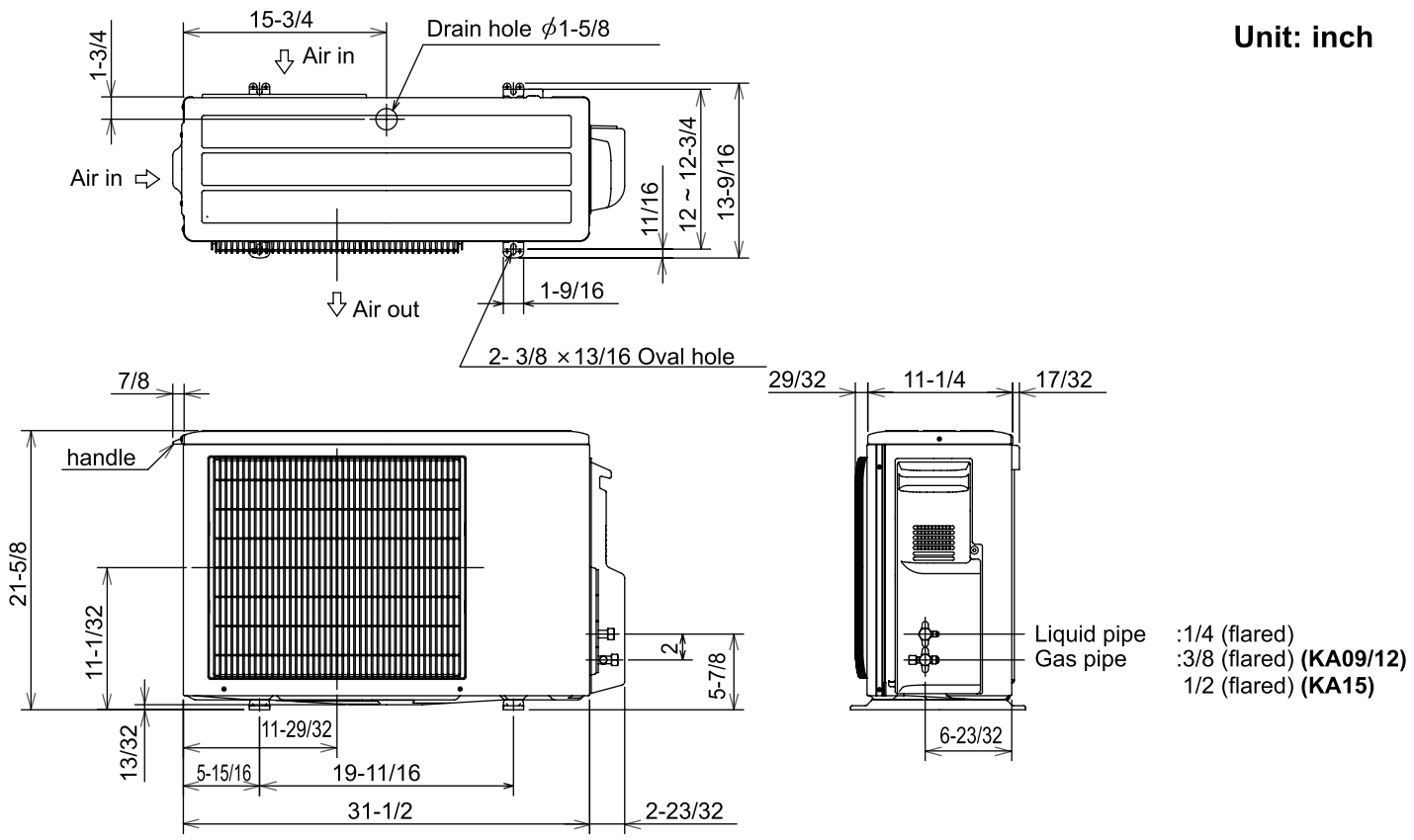
Models	Refrigerent pipe (liquid)	Refrigerent pipe (gas)
SLZ-KA09NA	1/4 inch (ϕ 6.35mm) flared connection	3/8 inch (ϕ 9.52mm) flared connection
SLZ-KA12NA	1/4 inch (ϕ 6.35mm) flared connection	3/8 inch (ϕ 9.52mm) flared connection
SLZ-KA15NA	1/4 inch (ϕ 6.35mm) flared connection	1/2 inch (ϕ 12.7mm) flared connection

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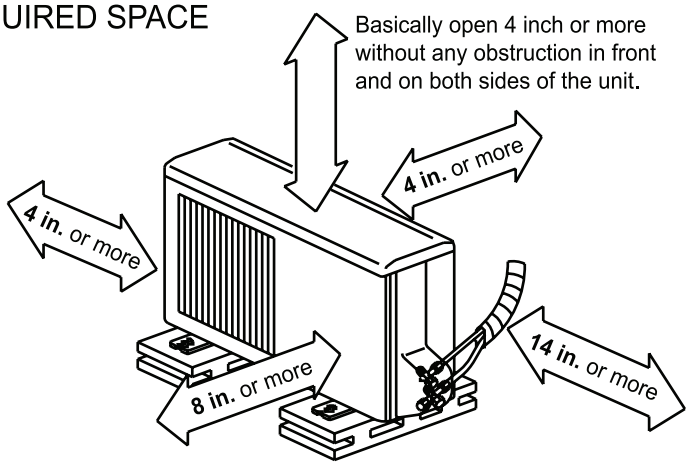
DIMENSIONS: SUZ-KA12NA

Unit: inch



Liquid pipe :1/4 (flared)
Gas pipe :3/8 (flared) **(KA09/12)**
1/2 (flared) **(KA15)**

REQUIRED SPACE



Open two sides of left,
right, or rear side.

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Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

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