MITSUBISHI ELECTRIC

Heating and Cooling

# M-SERIES

## SUBMITTAL DATA: SLZ-KF18NA & SUZ-KA18NAH2

**18,000 BTU/H CEILING-CASSETTE HEAT PUMP SYSTEM**

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

**ACCESSORIES:**

- ☐ Grille (SLP-18FAEU - Ordered seperate) (w/3D i-see sensor) Wired
- ☐ Remote Sensor (PAC-SE41TS-E)
- ☐ Outside Air Sensor for MHK1 (MOS1)
- ☐ Wire for Remote on/off with CN32 connector (PAC-715AD)
- ☐ Connector and wire for Operation status/error using CN51 (PAC-725AD)
- ☐ Connector of CN32 (remote on/off) (PAC-SE55RA-E)
- ☐ Connector cable for remote display (PAC-SA88HA-EP)

**Optional Controls**

- ☐ Wired Remote Controller PAR-40MAA
- ☐ Simple MA Remote Controller (PAC-YT53CRAU-J)
- ☐ Thermostat Interface (PAC-US444CN-1)
- ☐ System Control Interface (MAC-334IF-E)
- ☐ Wireless Remote (PAR-SL100A-E)(Requires PAR-SF9FA-E)
- ☐ Backlit, Wall-mounted, Wireless Controller (MHK1)
- ☐ Portable Central Controller (MCCH1)

| | | | |
|---|---|---|---|
| Cooling | Rated Capacity | Btu/h | 17700 |
| | Capacity Range | Btu/h | 6100-17700 |
| | Total input | W | 1410 |
| | Energy Efficiency | EER | 12.5 |
| | | SEER | 20.7 |
| | Moisture Removal | Pints/h | 4.7 |
| | Sensible Heat Factor | | 0.71 |
| Heating at 47°F | Rated Capacity | Btu/h | 19700 |
| | Capacity Range | Btu/h | 8400-20900 |
| | Total input | W | 1850 |
| | HSPF(Region IV) | Btu/h/W | 11.6(11.3) |
| Heating at 17°F | Rated Capacity | Btu/h | 12900 |
| | Rated Total input | W | 1410(1530) |
| | Maximum Capacity | Btu/h | 12900 |
| | Maximum Total Input | W | 1410(1530) |
| Power supply | Voltage, Phase, Cycle | | 208/230V, 1-phase, 60Hz |
| Voltage | Indoor - Outdoor S1-S2 | | AC 208/230V |
| | Indoor - Outdoor S2-S3 | | DC12-24V |
| | Indoor - Remote controller | | DC12V |
| Indoor unit | MCA (*) | A | 0.54 |
| | Fan Motor | F.L.A | 0.43 |
| | Fan Motor Output | W | 50 |
| | Air fow (Lo-Mid-Hi) | DRY(CFM) | 300-420-475 |
| | | WET(CFM) | 270-378-429 |
| | External Static Pressure | in WG | 0 |
| | Sound Pressure Level (Lo-Mid-Hi) | dB (A) | 32-40-43 |
| | External Finish Color | | Munsell 1.0Y 9.2/0.2 |
| | Dimensions | W: in | 22-7/16 |
| | | D: in | 22-7/16 |
| | | H: in | 8-3/16 |
| | Weight Unit | lbs | 30.6 |
| | Field Drainpipe O.D. | in | 1-1/4 [Mechanical lift 33] |
| | Refrigerant pipe Gas | in | 1/2 |
| | Refrigerant pipe Liquid | in | 1/4 |

| | | | |
|---|---|---|---|
| Outdoor unit | MCA (*) | A | 14 |
| | MOCP (*) | A | 24 |
| | Fan Motor | F.L.A. | 0.67 |
| | Compressor | Model(Type) | DC INVERTER-driven Twin Rotary |
| | | R.L.A. | 10 |
| | | L.R.A. | 12.5 |
| | Air fow (Cooling/Heating) | CFM | (1,691/1,691) |
| | Refrigerant Control | | Linear Expansion Valve |
| | Defrost Method | | Reverse Cycle |
| | SPL (Cooling) | dB (A) | 54 |
| | SPL (Heating) | dB (A) | 55 |
| | External Finish Color | | Munsell No.3Y 7.8/1.1 |
| | Dimension | W: in | 33-1/16 |
| | | D: in | 13 |
| | | H: in | 34-5/8 |
| | Weight | lbs | 127 |
| Remote Controller | Type | | Wired Remote Controller |
| Refrigerant | Type | | R410A |
| | Charge | lbs, oz | 3,9 |
| | Oil | Type(Fl.oz.) | FV50S(11.8) |
| Refrigerant Pipe | Gas side O.D. | in | 1/2 |
| | Liquid side O.D. | in | 1/4 |
| | Height Difference (Max) | ft | 50 |
| | Length (Max.) | ft | 100 |
| Connection Method | Indoor/Outdoor | | Flared/Flared |
| Operation Guarantee | Cooling | °F | 14 - 115 |
| | Heating | °F | -4 - 75 |

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7℃(80°F), W.B. 19.4℃(67°F) Outdoor : D.B. 35℃(95°F), W.B. 23.9℃(75°F)
(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. 8.3℃(47°F), W.B. 6.1℃(43°F)
*2.Rating conditions(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. -8.3℃(17°F), W.B. -9.4℃(15°F)

**Operating range**

| | | Indoor intake air temperature | Outdoor intake air temperature |
|---|---|---|---|
| Cooling | Maximum | D.B. 35℃(95°F), W.B. 21.7℃(71°F) | D.B. 46℃(115°F) |
| | Minimum | D.B. 19.4℃(67°F), W.B. 13.9℃(57°F) | D.B. -10℃(14°F) |
| Heating | Maximum | D.B. 26.7℃(80°F), W.B. 19.4℃(67°F) | D.B. 24℃(75°F), W.B. 18℃(65°F) |
| | Minimum | D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) | D.B. -20℃(-4°F), W.B. -21℃(-5°F) |

Specifications are subject to change without notice

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved accessories for proper functioning of the unit(s). Use of non-MESCA supported accessories will affect warranty coverage.

*All electrical work shall comply with National (CEC) and local codes and regulations.

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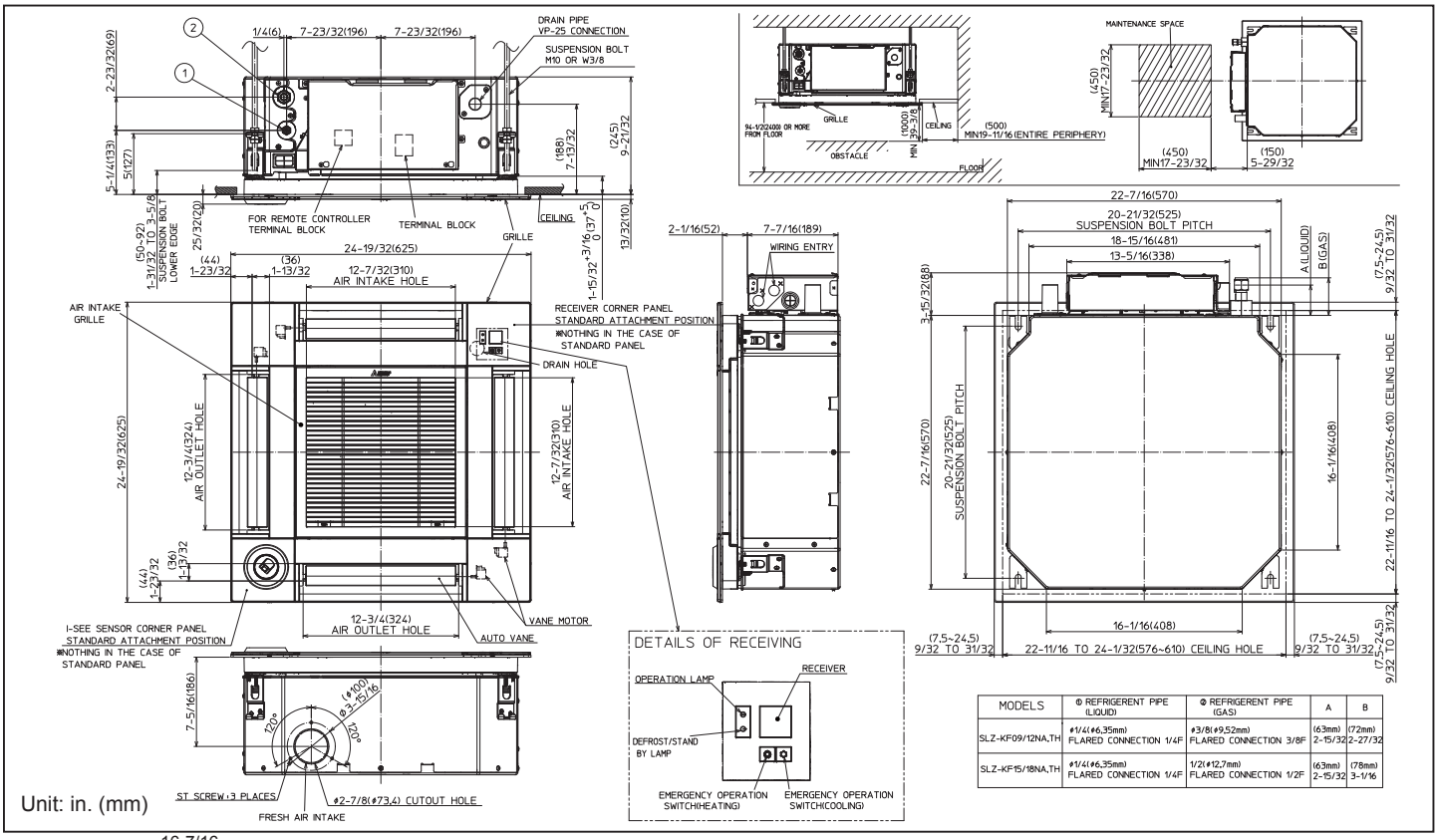
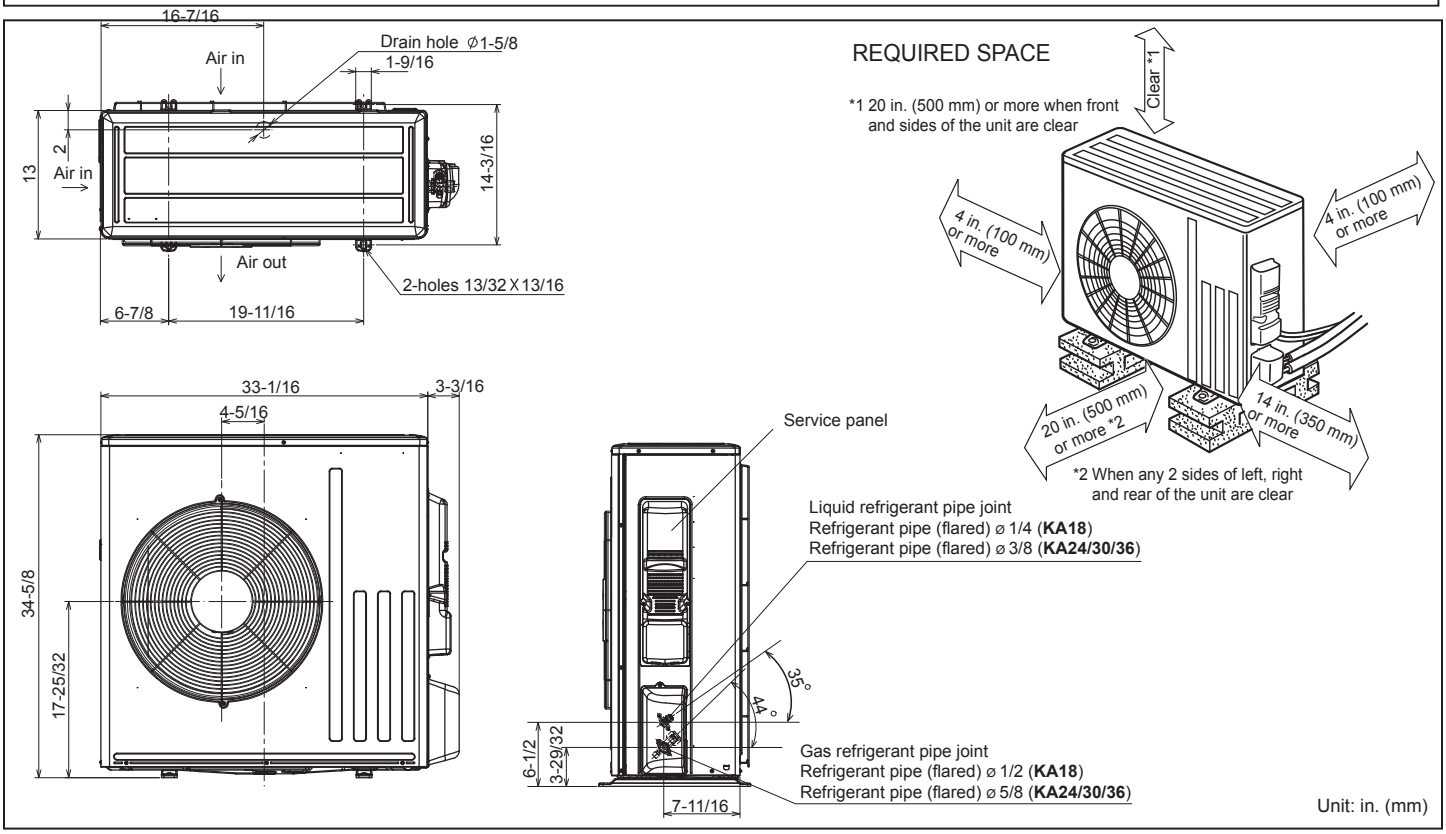
# DIMENSIONS: **SLZ-KF18NA & SUZ-KA18NAH2**




| MODELS | ① REFRIGERENT PIPE (LIQUID) | ② REFRIGERENT PIPE (GAS) | A | B |
|---|---|---|---|---|
| SLZ-KF09/12NA.TH | ø1/4(ø6,35mm) FLARED CONNECTION 1/4F | ø3/8(ø9,52mm) FLARED CONNECTION 3/8F | (63mm) 2-15/32 | (72mm) 2-27/32 |
| SLZ-KF15/18NA.TH | ø1/4(ø6,35mm) FLARED CONNECTION 1/4F | 1/2(ø12,7mm) FLARED CONNECTION 1/2F | (63mm) 2-15/32 | (78mm) 3-1/16 |

Unit: in. (mm)




Unit: in. (mm)

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Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.
C ETL LISTED US Intertek
ENERGY STAR PARTICIPANT



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