

SVZ-KP18NA

18,000 BTU/H MULTI-POSITION AIR HANDLER



Job Name:

System Reference:

Date:



GENERAL FEATURES

- Ducted air handler provides a solution to cool and heat large zones
- Highly efficient totally enclosed ECM motor
- Selectable external static pressure: 0.30, 0.50 and 0.80 in.WG with 3 fan speeds at each static setting
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Positive pressure cabinet with air leakage of less than 2.0% at 1.0 In.WG (Tested per ASHRAE Standard 193)
- Unique blow through design allows simple coil cleaning when the blower is removed
- Multi-position installation: horizontal (left or right), vertical (up or down)
- Optional electric heat kit for additional heat capacity
- Optional humidifier control and ERV control
- Built-in humidifier control, ERV control and auxiliary heat control
- Optional downflow kit
- Multiple control options available:
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

| Specifications | | | System |
|---------------------------------|-------------------------------------|---------------------|--|
| Unit Type | | | SVZ-KP18NA |
| Cooling Capacity ^{1,3} | | BTU/H | 18,000 |
| Heating Capacity ^{2,3} | | BTU/H | 21,600 |
| Electrical | Voltage, Phase, Frequency | | 208/230, 1, 60 |
| | Guaranteed Voltage Range | V AC | 187- 253V |
| | Voltage: Indoor - Outdoor, S1-S2 | V AC | 208/230 |
| | Voltage: Indoor - Outdoor, S2-S3 | V DC | 24 |
| | Short-circuit Current Rating [SCCR] | kA | 5 |
| Indoor Unit | MCA | A | 3.0 |
| | Fan Motor Full Load Amperage | A | 2.4 |
| | Airflow Rate at Cooling, Dry | CFM | 471–573–675 |
| | Airflow Rate at Heating, Dry | CFM | 471–573–675 |
| | Sound Pressure Level [Cooling] | dB[A] | 33–36–41 |
| | Sound Pressure Level [Heating] | dB[A] | 33–36–41 |
| | External Static Pressure | in.WG | 0.30–0.5–0.8 |
| | Drain Pipe Size | In. [mm] | 3/4 [19.05] |
| | Coating on Heat Exchanger | | — |
| | External Finish Color | | Hot-dip coated steel (ZAM) |
| | Unit Dimensions | W x D x H: In. [mm] | 17 x 21-5/8 x 39-13/16 [432 x 549 x 1,011] |
| | Package Dimensions | W x D x H: In. [mm] | 17 x 28-3/4 x 44-3/8 [460 x 730 x 1,011] |
| | Unit Weight | Lbs. [kg] | 93 [42] |
| | Package Weight | Lbs. [kg] | 106 [48] |
| Refrigerant | Type | | R410A |
| Piping | Gas Pipe Size O.D. [Flared] | In.[mm] | 1/2 [12.7] |
| | Liquid Pipe Size O.D. [Flared] | In.[mm] | 1/4 [6.35] |

NOTES:

Conditions

¹Cooling (Indoor // Outdoor)

°F

80 DB, 67 WB // 95 DB, 75 WB

²Heating at 47°F (Indoor // Outdoor)

°F

70 DB, 60 WB // 47 DB, 43 WB

³Capacity varies based on the number of indoor units operating and the model of the Multi-zone Outdoor Unit. For reference to connected capacity charts, please refer Multi-zone Outdoor Unit Operational Performance.

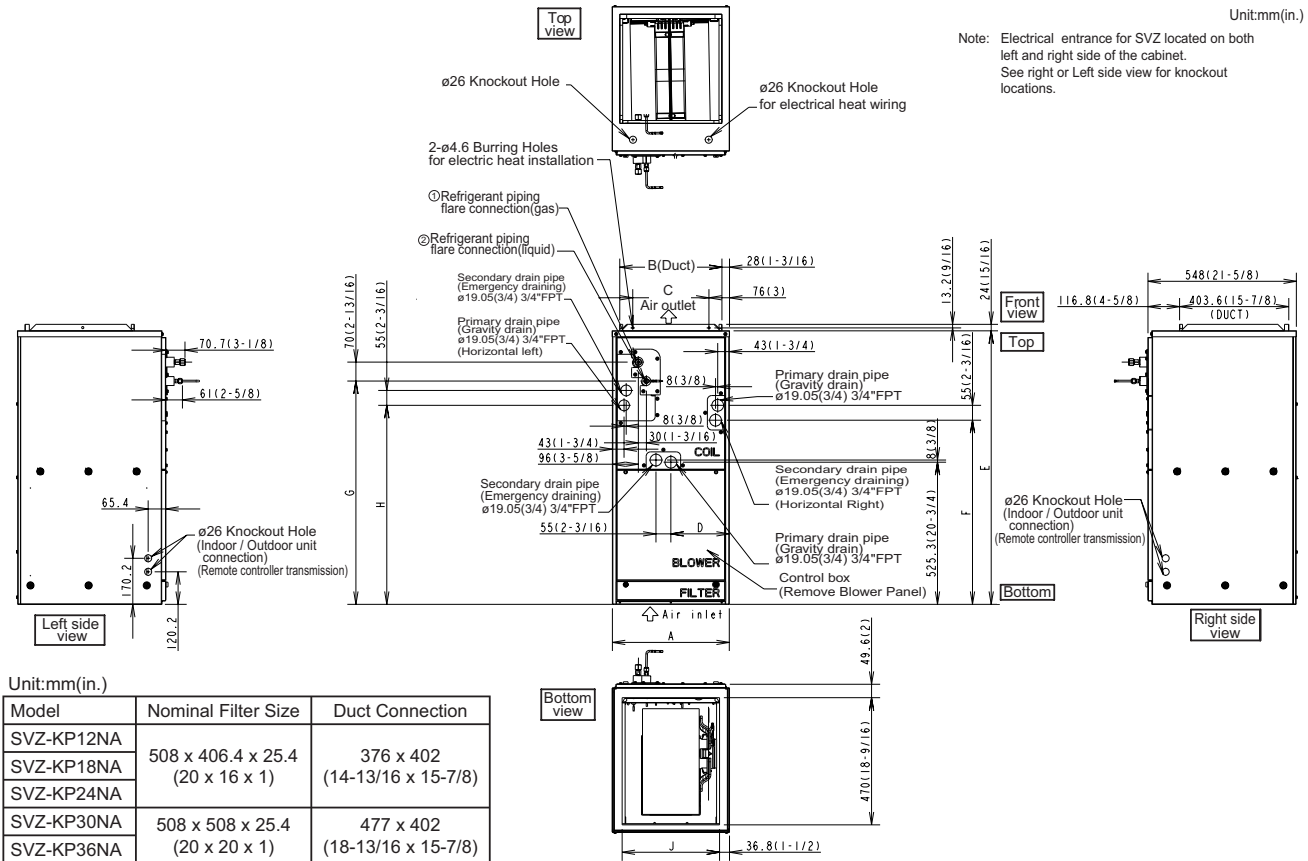
INDOOR UNIT ACCESSORIES: SVZ-KP18NA

| | | |
|----------------------------|---|-------------------|
| Control Interface | BACnet® and Modbus® Interface | PAC-UKPRC001-CN-1 |
| | CN24 Relay Kit | CN24RELAY-KIT-CM3 |
| | Connector cable for remote display | PAC-SA88HA-EP |
| | IT Extender | PAC-WHS01IE-E |
| | kumo station® for kumo cloud® | PAC-WHS01HC-E |
| | Remote Operation Adapter† | PAC-SF40RM-E |
| | Thermostat Interface | PAC-US444CN-1 |
| | Thermostat Interface | PAC-US445CN-1 |
| | USNAP Adapter | PAC-WHS01UP-E |
| | Wireless Interface for kumo cloud® | PAC-USWHS002-WF-2 |
| Remote Sensor | Flush Mount Remote Temperature Sensor | PAC-USSEN002-FM-1 |
| | Flush Mount Temperature Sensor | PAC-USSEN001-FM-1 |
| | Remote Temperature Sensor | PAC-SE41TS-E |
| | Wireless temperature and humidity sensor for kumo cloud® | PAC-USWHS003-TH-1 |
| Wired Remote Controller | Airzone ZBS Wired Blueface Principal Controller White | AZZBSBLUEFACECB |
| | Airzone ZBS Wired Lite Controller White | AZZBSLITECB |
| | Airzone ZBS Wired Think Controller White | AZZBSTHINKCB |
| | Airzone ZBS Wireless Lite Controller White | AZZBSLITERB |
| | Airzone ZBS Wireless Think Controller White | AZZBSTHINKRB |
| | Deluxe Wired MA Remote Controller† | PAR-40MAAU |
| | Simple MA Remote Controller† | PAC-YT53CRAU-J |
| | Touch MA Controller† | PAR-CT01MAU-SB |
| Wireless Remote Controller | kumo touch™ RedLINK™ Wireless Controller | MHK2 |
| | Wireless MA Receiver | PAR-FA32MA-W |
| | Wireless MA Remote Controller | PAR-FL32MA-E |
| Condensate | Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended] | X87-721 |
| | Blue Diamond (MicroBlue) Mini Condensate Pump (110/208/230V) up to 18,000 BTU/H | X86-003 |
| | Blue Diamond Sensor Extension Cable — 15 Ft. | C13-103 |
| | Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H | COMBI |
| Control Wire | 20/2PR, 1PR shielded + 1PR plenum wire for Airzone, 100 ft reel | CW2042S2-100 |
| | 20/2PR, shielded + 1PR plenum wire for Airzone, 500 ft reel | CW2042S2-500 |
| Disconnect Switch | (30A/600V/UL) [fits 2" X 4" utility box] - Black | TAZ-MS303 |
| | (30A/600V/UL) [fits 2" X 4" utility box] - White | TAZ-MS303W |
| Downflow Kit | Downflow Kit | DFK-S |
| Electric Heat Lockout | Electric Heat Lockout | ETC-211020-MIT |
| Electric Kit Heats | 3kW Electric Heater | EH03-SVZ-S |
| | 5kW Electric Heater | EH05-SVZ-S |
| | 8kW Electric Heater | EH08-SVZ-S |
| Lineset | 100' x 1/4" x 100' / 1/2" Lineset (Twin-Tube Insulation) | MLS141212T-100 |
| | 15' x 1/4" x 15' / 1/2" Lineset (Twin-Tube Insulation) | MLS141212T-15 |
| | 30' x 1/4" x 30' / 1/2" Lineset (Twin-Tube Insulation) | MLS141212T-30 |
| | 50' x 1/4" x 50' / 1/2" Lineset (Twin-Tube Insulation) | MLS141212T-50 |
| | 65' x 1/4" x 65' / 1/2" Lineset (Twin-Tube Insulation) | MLS141212T-65 |
| Terminal Block | Separate Terminal Power Block | SPTB1 |

NOTES:

†PAC-SF40RM-E (Unable to use with wireless remote controller)

INDOOR UNIT DIMENSIONS: SVZ-KP18NA

[illegible]

FORM# SVZ-KP18NA - 202211

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