

# SVZ-AP30NL

## 27,000 BTU/H DUCTED AIR HANDLER INDOOR UNIT



Job Name:

System Reference:

Date:



### GENERAL FEATURES

- Unique blow through design: Unique blow through design allows simple coil cleaning when the blower is removed
- Selectable external static pressure: Selectable external static pressure: 0.30, 0.50 and 0.80 in.WG with 3 fan speeds at each static setting
- Positive pressure cabinet: Positive pressure cabinet with air leakage of less than 1.0% at 1.0 in.WG
- Optional humidifier control and ERV control
- Optional electric heat kit: Optional electric heat kit for additional heat capacity
- Multiple control options, including the comfort app for remote access, third-party interfaces, and both wired and wireless controllers
- Multi-zone: A multi-zone unit provides the temperature management of multiple zones within a building.
- Multi-position installation: Multi-position installation: horizontal (left or right), vertical (up or down). For downflow configurations, the CMA-1 is recommended for proper management of condensate to prevent water blow-off in certain conditions
- Fiberglass free insulation: 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Enclosed ECM motor: Highly efficient totally enclosed ECM motor
- Ducted air handler: Ducted air handler provides a solution to cool and heat large zones

| Specifications                            |                                  |                                      | System                                      |
|-------------------------------------------|----------------------------------|--------------------------------------|---------------------------------------------|
| Unit Type                                 |                                  |                                      | SVZ-AP30NL                                  |
| Cooling Capacity (Nominal) <sup>1,3</sup> | Cooling Capacity (Nominal)       | Btu/h                                | 27,000                                      |
| Heating Capacity (Nominal) <sup>2,3</sup> | Heating Capacity (Nominal)       | Btu/h                                | 32,000                                      |
| Electrical                                | Voltage, Phase, Frequency        | V AC / V AC, ø, Hz                   | 208 / 230, 1, 60                            |
|                                           | Voltage: Indoor - Outdoor, S1-S2 | V AC                                 | 208/230                                     |
|                                           | MCA                              | A                                    | 4.13                                        |
|                                           | MOCP                             | A                                    | 15                                          |
|                                           | Fan Motor Type                   |                                      | Direct-driven DC Brushless Motor            |
| Indoor Unit                               | Fan Motor Output                 | W                                    | 244                                         |
|                                           | Airflow Rate at Cooling, Dry     | CFM                                  | 613, 744, 875                               |
|                                           | Airflow Rate at Heating, Dry     | CFM                                  | 613, 744, 875                               |
|                                           | Sound Pressure Level [Cooling]   | dB (A)                               | 36, 45, 49                                  |
|                                           | Sound Pressure Level [Heating]   | dB (A)                               | 36, 45, 49                                  |
|                                           | External Static Pressure         | in.WG                                | 0.30, 0.50, 0.80                            |
|                                           | External Finish Color            |                                      | Hot-dip coated steel (ZAM)                  |
|                                           | Unit Dimensions (W x D x H)      | inch x inch x inch<br>[mm x mm x mm] | 21 x 21-5/8 x 43-7/8 [534 x 548 x 1,111]    |
|                                           | Package Dimensions (W x D x H)   | inch x inch x inch<br>[mm x mm x mm] | 22 x 28-11/16 x 48-1/16 [558 x 728 x 1,220] |
|                                           | Unit Weight                      | lbs [kg]                             | 122 [55]                                    |
| Refrigerant                               | Package Weight                   | lbs [kg]                             | 141 [64]                                    |
|                                           | Type                             |                                      | R-454B                                      |
| Piping                                    | Liquid Pipe Size O.D.            | inch [mm]                            | 3/8 [9.52]                                  |
|                                           | Gas Pipe Size O.D.               | inch [mm]                            | 5/8 [15.88]                                 |
| Drain Pipe                                | Drain Pipe Size O.D.             | inch [mm]                            | 3/4 [19.05]                                 |

#### NOTES

<sup>1</sup>Cooling at 95°F (Indoor: 80°F DB, 67°F WB // Outdoor: 95°F DB, 75°F WB)

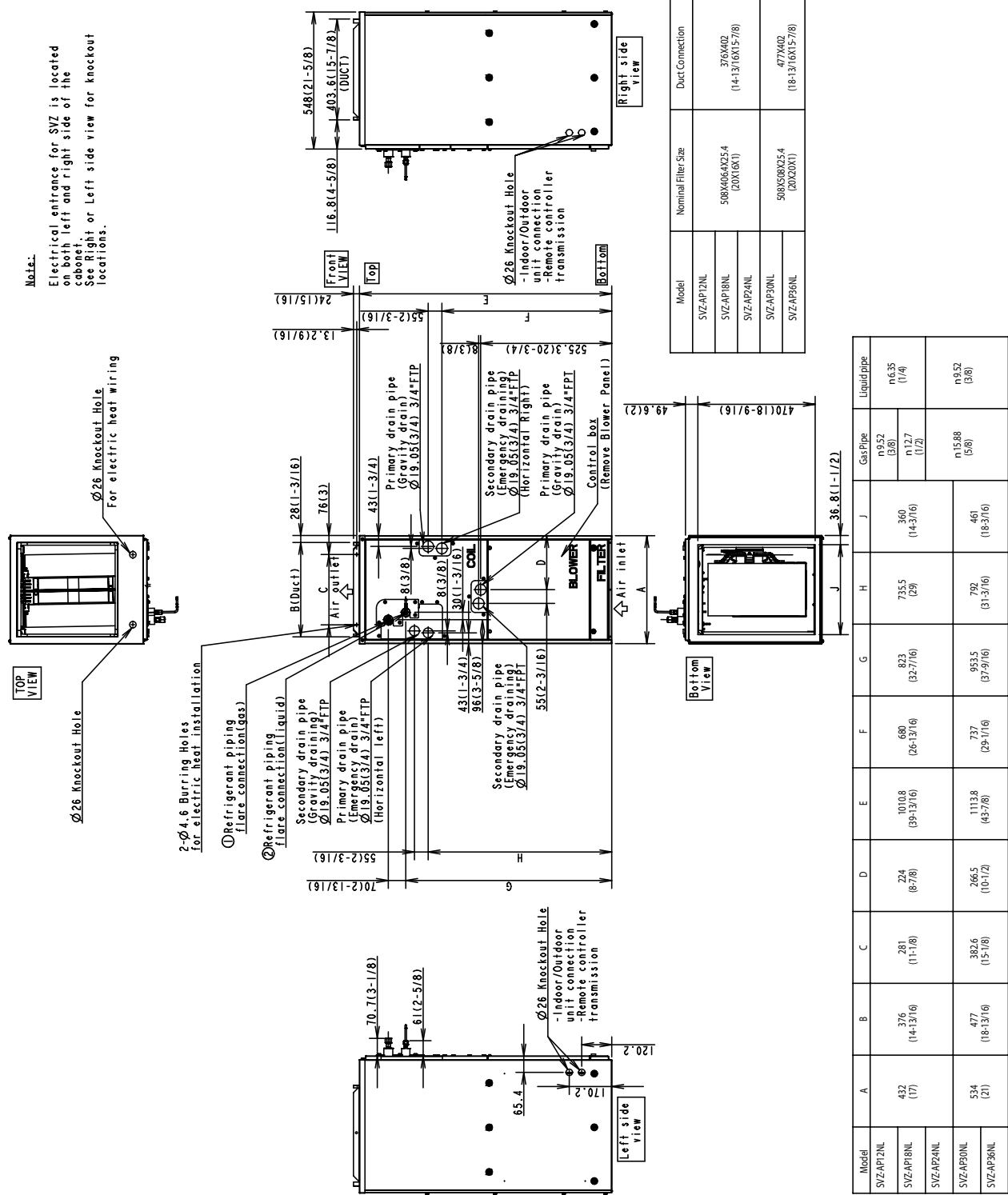
<sup>2</sup>Heating at 47°F (Indoor: 70°F DB, 60°F WB // Outdoor: 47°F DB, 43°F WB)

<sup>3</sup>Nominal capacity only. Actual capacity output varies based on the system-specific configuration.

## INDOOR UNIT ACCESSORIES: SVZ-AP30NL

|                                         |                                                                                                          |                   |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------|
| Control Interface                       | Airzone Wired Blueface Controller Black                                                                  | AZZBSBLUEZEROCN   |
|                                         | Airzone Wired Blueface Controller White                                                                  | AZZBSBLUEZEROCB   |
|                                         | Airzone Wired Lite Controller White                                                                      | AZZBSLITECB       |
|                                         | Airzone Wireless Lite Controller White                                                                   | AZZBSLITERB       |
|                                         | Airzone Wireless Think Controller Black                                                                  | AZZBSTHINKRN      |
|                                         | Airzone Wireless Think Controller White                                                                  | AZZBSTHINKRB      |
|                                         | IT Extender for kumo station                                                                             | PAC-WHS01IE-E     |
|                                         | kumo station for the Comfort app                                                                         | PAC-WHS01HC-E     |
|                                         | Operation and Error Status Output Adapter <sup>1</sup>                                                   | PAC-SF40RM-E      |
|                                         | Procon BACnet and Modbus Interface                                                                       | PAC-UKPRC001-CN-1 |
|                                         | Thermostat Interface for 3rd Party Thermostats                                                           | PAC-US445CN-1     |
|                                         | Wireless Interface Adapter for the Comfort app                                                           | PAC-USWHS002-WF-2 |
| Downflow Kit                            | Downflow Kit                                                                                             | DFK-M             |
| Condensate                              | Blue Diamond Advanced Mini Condensate Pump w Reservoir Sensor 208230V recommended                        | X87-721           |
|                                         | Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH recommended | X87-711           |
|                                         | Blue Diamond MegaBlue Advanced Condensate Pump w Reservoir Sensor                                        | X87-835           |
|                                         | Blue Diamond Sensor Extension Cable 15 Ft                                                                | C13-103           |
|                                         | Refco Condensate Pump 100-240 VAC up to 120000 BTUH                                                      | COMBI             |
|                                         | Sauermann Condensate Pump                                                                                | SI30-230          |
| Wired Remote Controller                 | Deluxe Wired MA Remote Controller                                                                        | PAR-42MAAUB       |
|                                         | Simple Direct Wired Remote Controller                                                                    | PAC-SDW01RC-1     |
|                                         | Simple MA Remote Controller <sup>1</sup>                                                                 | PAC-YT53CRAU-J    |
|                                         | Touch MA Wired Remote Controller <sup>1</sup>                                                            | PAR-CT01MAU-SB    |
| Electric Kit Heats                      | 10kW Electric Heater                                                                                     | EH10-SVZ-M        |
|                                         | 5kW Electric Heater                                                                                      | EH05-SVZ-M        |
|                                         | 8kW Electric Heater                                                                                      | EH08-SVZ-M        |
| Wireless Remote Controller              | Lockdown Bracket for Wireless Handheld Remote Controllers                                                | RCMKP1CB          |
|                                         | RedLINK Wireless Remote Controller                                                                       | MHK2              |
|                                         | Universal Wireless MA Handheld Remote Controller                                                         | PAR-FL32MA-E      |
|                                         | Universal Wireless Receiver for PAR-FL32MA-E                                                             | PAR-FA32MA-W      |
| Lineset                                 | 10 x 3/8 x 10 x 5/8 Lineset Twin-Tube Insulation                                                         | MPLS385812T-10    |
|                                         | 100 x 3/8 x 65 x 5/8 Lineset Twin-Tube Insulation                                                        | MPLS385812T-100   |
|                                         | 15 x 3/8 x 15 x 5/8 Lineset Twin-Tube Insulation                                                         | MPLS385812T-15    |
|                                         | 30 x 3/8 x 30 x 5/8 Lineset Twin-Tube Insulation                                                         | MPLS385812T-30    |
|                                         | 50 x 3/8 x 50 x 5/8 Lineset Twin-Tube Insulation                                                         | MPLS385812T-50    |
|                                         | 65 x 3/8 x 65 x 5/8 Lineset Twin-Tube Insulation                                                         | MPLS385812T-65    |
| Power Supplies & Auxiliary Components   | 3-Pin Wiring Harness                                                                                     | PAC-715AD         |
|                                         | 5-Pin Wiring Harness                                                                                     | PAC-725AD         |
|                                         | ERV On/Off Input Adapter for CNER on SVZ PEAD and PVA models                                             | PAC-740           |
| Control Wire                            | 202PR 1PR shielded 1PR plenum wire for Airzone 100 ft reel                                               | CW2042S2-100      |
|                                         | 202PR shielded 1PR plenum wire for Airzone 500 ft reel                                                   | CW2042S2-500      |
| Remote Sensor                           | Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models                            | PAC-USSEN002-FM-1 |
|                                         | Wall Mount Remote Temperature Sensor                                                                     | PAC-SE41TS-E      |
|                                         | Wireless temperature and humidity sensor for the Comfort app                                             | PAC-USWHS003-TH-1 |
| Electric Heat Lockout                   | Electric Heat Lockout                                                                                    | ETC-211020-MIT    |
| Terminal Block                          | Separate Terminal Power Block                                                                            | SPTB1             |
| Power Supplies and Auxiliary Components | Backup Heat Relay Kit Adapter for CN24 or CN152 Connector                                                | CN24RELAY-KIT-CM3 |
| Disconnect Switch                       | 30A600VUL fits 2 X 4 utility box - Black                                                                 | TAZ-MS303         |
|                                         | 30A600VUL fits 2 X 4 utility box - White                                                                 | TAZ-MS303W        |
| NOTES                                   |                                                                                                          |                   |

INDOOR UNIT DIMENSIONS: SVZ-AP30NL



| Model      | Nominal Filter Size   | Duct Connection           |
|------------|-----------------------|---------------------------|
| SVZ-AP12NL | 58X406X25.4 (20X16X1) | 375X402 (14-13/16X15-7/8) |
| SVZ-AP18NL | 58X406X25.4 (20X16X1) | 375X402 (14-13/16X15-7/8) |
| SVZ-AP24NL | 58X406X25.4 (20X16X1) | 375X402 (14-13/16X15-7/8) |
| SVZ-AP30NL | 58X406X25.4 (20X16X1) | 375X402 (14-13/16X15-7/8) |
| SVZ-AP36NL | 58X406X25.4 (20X16X1) | 375X402 (14-13/16X15-7/8) |

| Model     | A           | B                 | C                 | D                 | E                    | F                 | G                  | H                | J                | Gas-Pipe         | Liquid-pipe     |
|-----------|-------------|-------------------|-------------------|-------------------|----------------------|-------------------|--------------------|------------------|------------------|------------------|-----------------|
| SVZAP12NL | 432<br>(17) | 376<br>(14-13/16) | 281<br>(11-1/8)   | 224<br>(8-7/8)    | 1010.8<br>(39-13/16) | 680<br>(26-13/16) | 823<br>(32-7/16)   | 735.5<br>(29)    | 360<br>(14-3/16) | n 9.52<br>(3/8)  | n 9.52<br>(3/8) |
| SVZAP18NL |             |                   |                   |                   |                      |                   |                    |                  |                  | n 12.7<br>(1/2)  |                 |
| SVZAP24NL |             |                   |                   |                   |                      |                   |                    |                  |                  |                  |                 |
| SVZAP30NL | 534<br>(21) | 477<br>(18-13/16) | 382.6<br>(15-1/8) | 266.5<br>(10-1/2) | 1113.8<br>(43-7/8)   | 737<br>(29-1/16)  | 953.5<br>(37-9/16) | 792<br>(31-3/16) | 461<br>(18-3/16) | n 15.88<br>(5/8) |                 |
| SVZAP36NL |             |                   |                   |                   |                      |                   |                    |                  |                  |                  |                 |

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