

|               |  |
|---------------|--|
| Job Name:     |  |
| Purchaser:    |  |
| Submitted To: |  |
| Date:         |  |

|               |  |
|---------------|--|
| Location:     |  |
| Submitted By: |  |
| Engineer:     |  |
| Application:  |  |

Reference    Approval    Construction



### Basic product info.

|                  |              |
|------------------|--------------|
| IDU Model Number | SVZ-AP48NL   |
| ODU Model Number | SUZ-AK48NLHZ |
| AHRI Certificate | 217121936    |

### Performance: Cooling at 95F (35C)

|  |       |         |
|--|-------|---------|
| Cooling Minimum Power Input                            | 1870  | W       |
| Cooling 95F Maximum Capacity                           | 52000 | Btu/h   |
| Cooling 95F Rated Capacity                             | 48000 | Btu/h   |
| Cooling 95F Minimum Capacity                           | 18000 | Btu/h   |
| Sensible Heat Factor at AHRI Cooling Rating Conditions | 0.75  | -       |
| Cooling Maximum Power Input                            | 4310  | W       |
| Cooling Rated Power Input                              | 4640  | W       |
| Moisture removal at AHRI Cooling Rating Conditions     | 11.9  | Pints/h |

### Performance: Heating at 47F (8.3C)

|                                 |       |       |
|---------------------------------|-------|-------|
| Heating 47F Minimum Power Input | 820   | W     |
| Heating 47F Maximum Capacity    | 60000 | Btu/h |
| Heating 47F Rated Capacity      | 60000 | Btu/h |
| Heating 47F Minimum Capacity    | 12800 | Btu/h |
| Heating 47F Maximum Power Input | 5170  | W     |
| Heating 47F Rated Power Input   | 5170  | W     |
| COP 47F at Rated Condition      | 3.54  |       |

### Performance: Heating at 17F (-8.3C)

|                                 |       |       |
|---------------------------------|-------|-------|
| Heating 17F Minimum Capacity    | 9600  | Btu/h |
| Heating 17F Minimum Power Input | 1340  | W     |
| Heating 17F Maximum Capacity    | 52000 | Btu/h |
| Heating 17F Rated Capacity      | 30800 | Btu/h |
| Heating 17F Maximum Power Input | 6130  | W     |
| Heating 17F Rated Power Input   | 5130  | W     |
| COP 17F at Maximum capacity     | 2.48  |       |
| COP 17F at Rated Condition      | 2.56  |       |

### Performance: Heating at 5F (-15C)

|   |       |       |
|---|-------|-------|
| Heating 5F Minimum Capacity (H4Full)    | 6700  | Btu/h |
| Heating 5F Minimum Power Input (H4Full) | 1450  | W     |
| Heating 5F Maximum Capacity (H4Full)    | 52000 | Btu/h |
| Heating 5F Rated Capacity (H4Full)      | 45060 | Btu/h |
| Heating 5F Maximum Power Input (H4Full) | 7940  | W     |
| Heating 5F Rated Power Input (H4Full)   | 6650  | W     |
| COP 5F at Maximum capacity (H4Full)     | 1.9   |       |

### Performance: Heating at -13F (-25C)

|                                  |       |  |
|----------------------------------|-------|--|
| Heating -13F Maximum Capacity    | 24732 |  |
| Heating -13F Minimum Capacity    | 4330  |  |
| Heating -13F Maximum Power Input | 6418  |  |
| Heating -13F Minimum Power Input | 1334  |  |
| COP -13F at Maximum Capacity     | 1.12  |  |

**ODU Operating Temp. Range**

|                                   |       |  |
|-----------------------------------|-------|--|
| Cooling Thermal Lock-out Temp     | -18.5 |  |
| Cooling Thermal Re-start Temp     | -16.3 |  |
| Cooling Thermal Re-start Temp (F) | 3     |  |
| Cooling Thermal Lock-out Temp (F) | -1    |  |
| Heating Thermal Re-start Temp     | -25.6 |  |
| Heating Thermal Re-start Temp (F) | -14   |  |
| Heating Thermal Lock-out Temp     | -30.3 |  |
| Heating Thermal Lock-out Temp (F) | -23   |  |

**Rebates**

|  |     |  |
|--|-----|--|
| Energy Star 6.1 Certified              | NO  |  |
| Energy Star 6.1 Cold Climate Certified | YES |  |
| NEEP Certified                         | YES |  |
| NEEP Certification                     | Yes |  |

**Efficiency**

|            |      |  |
|------------|------|--|
| SEER2      | 18.1 |  |
| EER2       | 9.4  |  |
| HSPF2 (IV) | 8.5  |  |
| HSPF2(V)   | 7.9  |  |
| HSPF2 (V)  | 7.9  |  |

**Electrical**

|   |      |      |
|---|------|------|
| Rated Voltage (Min)   | 208  | V AC |
| Rated Voltage (Max)   | 230  | V AC |
| Phase   | 1    |      |
| Recommended Fuse/Breaker Size                                   | 40   | A    |
| ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse | 60   | A    |
| Recommended Fuse/Breaker Size of System (ODU)                   | 40   | A    |
| ODU Minimum Circuit Ampacity (MCA)                              | 35   | A    |
| Short-circuit Current Rating (SCCR)                             | 5    | kA   |
| IDU Minimum Circuit Ampacity (MCA) if Powered Separate          | 5.63 | A    |

**Indoor Unit**

|  |                  |      |
|--|------------------|------|
| External Finish (Munsell No. in case painting) | 6.2PB 9/0.9      |      |
| IDU Unit Dimension H                           | 59 1/2           | inch |
| IDU Unit Weight                                | 172              | lbs  |
| IDU Unit Dimension D                           | 21 5/8           | inch |
| Drain Pipe Size (Outer size)                   | 3/4              | inch |
| IDU Unit Dimension W                           | 25               | inch |
| IDU Airflow Rate, Cooling (Dry)                | 1040, 1262, 1485 | CFM  |
| IDU Airflow Rate, Heating                      | 1040, 1262, 1485 | CFM  |
| IDU Airflow Rate at Cooling, Dry 1             | 1040             | CFM  |
| IDU Airflow Rate at Cooling, Dry 2             | 1262             | CFM  |
| IDU Airflow Rate at Cooling, Dry 3             | 1485             | CFM  |
| IDU Airflow Rate at Cooling, Wet 1             | 1040             | CFM  |
| IDU Airflow Rate at Cooling, Wet 2             | 1262             | CFM  |
| IDU Airflow Rate at Cooling, Wet 3             | 1485             | CFM  |
| IDU Airflow Rate at Heating 1                  | 1040             | CFM  |
| IDU Airflow Rate at Heating 2                  | 1262             | CFM  |
| IDU Airflow Rate at Heating 3                  | 1485             | CFM  |

**Outdoor Unit**

|  |          |      |
|--|----------|------|
| Base Pan Heater installed (Built-in or Optional) | Built-in |      |
| ODU Unit Dimension D                             | 13 + 1   | inch |
| ODU Unit Dimension H                             | 52 43/64 | inch |
| ODU Unit Dimension W                             | 41 11/32 | inch |
| ODU Fan Motor Output                             | 0.2682   | HP   |
| ODU Unit Weight                                  | 264.6    | lbs  |

**Piping**

|                                    |     |      |
|------------------------------------|-----|------|
| Liquid Pipe Size O.D. [Flared]     | 3/8 | inch |
| Gas Pipe Size O.D. [Flared]        | 5/8 | inch |
| Maximum Height Difference          | 100 | ft   |
| Maximum Piping Length              | 245 | ft   |
| ODU Liquid Pipe Size O.D. [Flared] | 3/8 | inch |
| ODU Gas Pipe Size O.D. [Flared]    | 5/8 | inch |

**Refrigerant**

|                                      |             |         |
|--------------------------------------|-------------|---------|
| Refrigerant Type                     | R454B       |         |
| Pre-charged Refrigerant Amount (ODU) | 11 lbs 7 oz | lbs, oz |
| Maximum Pre-charged Piping Length    | 11.5        | ft      |

**Accessories**

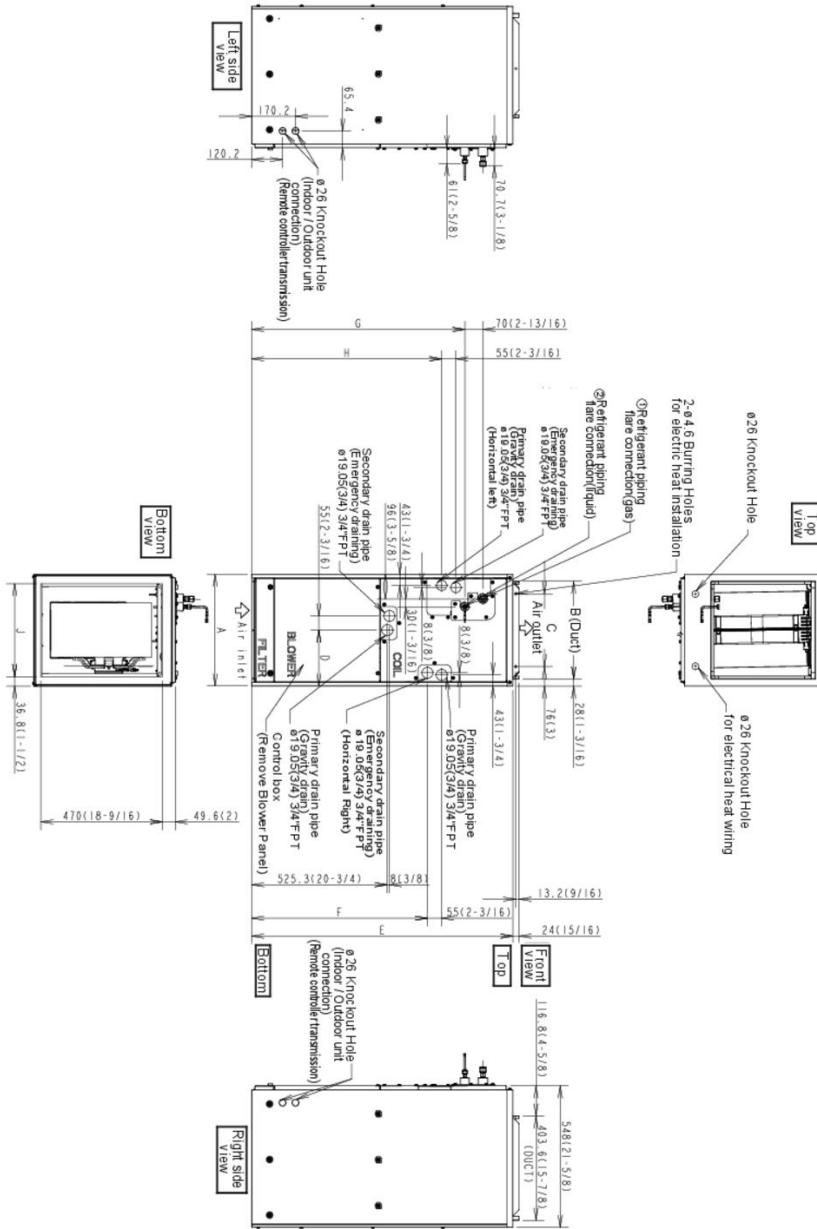
|                           |                |
|---------------------------|----------------|
| NA T-STAT Interface       | RMF-CA101      |
| Wi-Fi Adapter             | PAC-USWHS003   |
| Wall Mount controller     | PAR-42MAACAB   |
| Simple CN105 Controller   | SDW01RC-01     |
| Remote Controller English | PAR-FA32MA-W   |
| Remote Controller French  | PAR-FL32MA-E   |
| Simple Wall MA Controller | PAC-YT53CRAU-J |
| NA T-STAT interface       | RMF-CA100      |

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) (\* Windscreens required for cooling operations below 23°F (-5°C))

- <sup>1</sup> Cooling (Indoor // Outdoor) 80°F (26.6°C) DB, 67°F (19.4°C) WB // 95°F (35°C) DB, 75°F (23.9°C) WB
- <sup>2</sup> Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB
- <sup>3</sup> Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 17°F (-8.3°C) DB, 15°F (-9.4°C) WB
- tHeating at 5°F (-15°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 5°F (-15°C) DB, 4°F (-15.6°C) WB
- uHeating at -4°F (-20°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // -4°F (-20°C) DB, -15°F (-26.1°C) WB

# SVZ-AP48NL

Units: mm (in.)



Provide enough clearance in front of unit for service and maintenance. Electrical entrance for SVZ located on both left and right side of the cabinet. See the right or left side view for knockout locations.

