

Submittal Data:
SVZ-AP48NL
SUZ-AK48NLHZ

Job Name:		Location:	
Purchaser:		Submitted By:	
Submitted To:		Engineer:	
Date:		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	
Cooling 95F Maximum Capacity	52000	
Cooling 95F Rated Capacity	48000	
Cooling 95F Minimum Capacity	18000	
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.75	
Cooling Maximum Power Input	4310	
Cooling Rated Power Input	4640	
Moisture removal at AHRI Cooling Rating Conditions	11.9	

Performance: Heating at 47F (8.3C)

Heating 47F Minimum Power Input	820	
Heating 47F Maximum Capacity	60000	
Heating 47F Rated Capacity	60000	
Heating 47F Minimum Capacity	12800	
Heating 47F Maximum Power Input	5170	
Heating 47F Rated Power Input	5170	
COP 47F at Rated Condition	3.54	

Performance: Heating at 17F (-8.3C)

Heating 17F Minimum Capacity	9600	
Heating 17F Minimum Power Input	1340	
Heating 17F Maximum Capacity	52000	
Heating 17F Rated Capacity	30800	
Heating 17F Maximum Power Input	6130	
Heating 17F Rated Power Input	5130	
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	
Heating 5F Minimum Power Input (H4Full)	1450	
Heating 5F Maximum Capacity (H4Full)	52000	
Heating 5F Rated Capacity (H4Full)	45060	
Heating 5F Maximum Power Input (H4Full)	7940	
Heating 5F Rated Power Input (H4Full)	6650	
COP 5F at Maximum capacity (H4Full)	1.9	

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

Heating -13F Maximum Capacity	44000	
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

Heating Thermal Re-start Temp (C)	-25	
Cooling Thermal Re-start Temp (C)	-16	
Cooling Thermal Lock-out Temp (C)	-18.5	
Heating Thermal Lock-out Temp (C)	-30	
Cooling Thermal Re-start Temp (F)	3	
Cooling Thermal Lock-out Temp (F)	-1	
Heating Thermal Re-start Temp (F)	-14	
Heating Thermal Lock-out Temp (F)	-22	

Rebates

Energy Star 6.1 Certified	NO	
Energy Star 6.1 Cold Climate Certified	YES	
NEEP Certification	YES	

Efficiency

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

Electrical

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

Indoor Unit

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

Outdoor Unit

Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W (inch)	41 11/32	
ODU Unit Dimension H (inch)	52 43/64	
ODU Unit Dimension D (inch)	13 + 1	
ODU Unit Weight (lbs)	265	
ODU Fan Motor Output	0.2682	
ODU Unit Weight	264.6	

Piping

Liquid Pipe Size O.D. [Flared]	3/8	
Gas Pipe Size O.D. [Flared]	5/8	
Maximum Piping Length (m)	75	
Maximum Piping Length (ft)	245	
ODU Liquid Pipe Size O.D. [Flared]	3/8	
ODU Gas Pipe Size O.D. [Flared]	5/8	

Refrigerant

Refrigerant Type	R454B	
Pre-charged Refrigerant Amount (ODU)	9 lbs 14 oz	
Maximum Pre-charged Piping Length (ft)	100	

Accessories

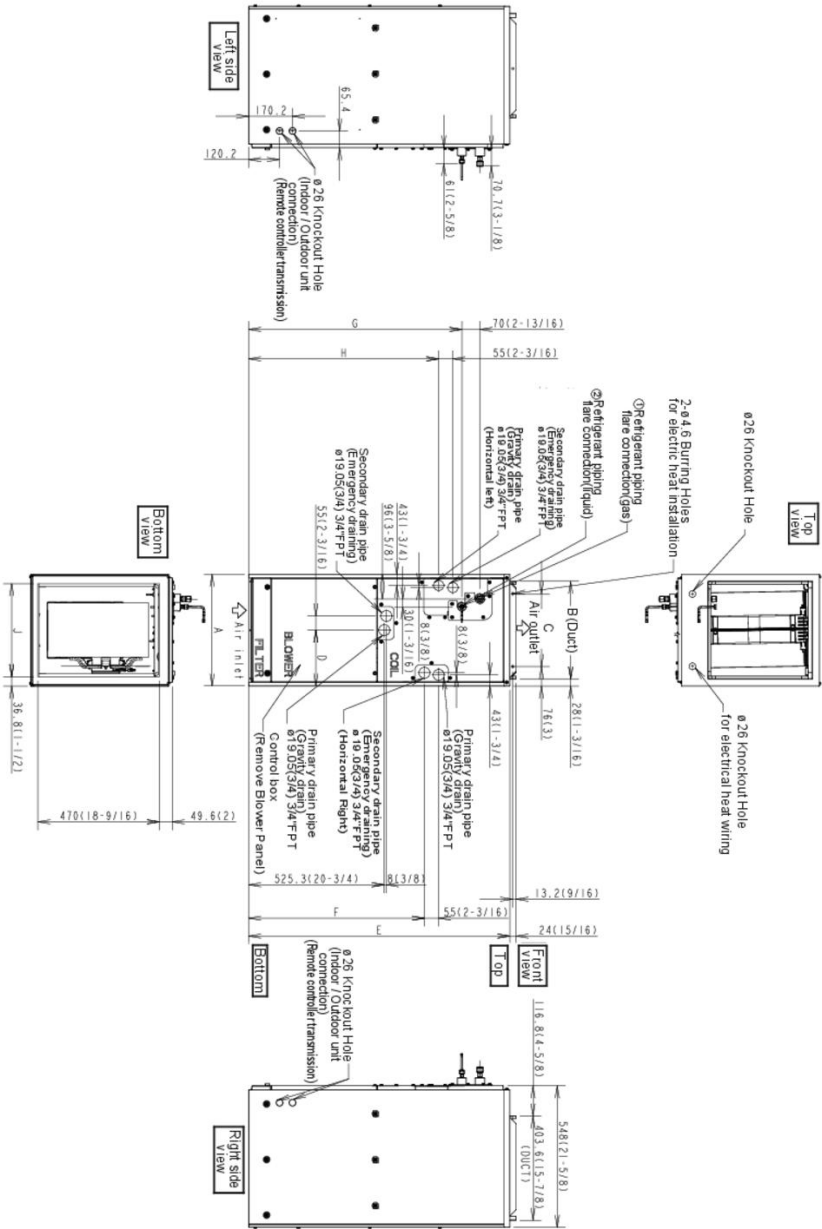
NA T-STAT Interface	RMF-CA101	
Wi-Fi Adapter	PAC-USWHS002CN-1	
Wall Mount controller	PAR-42MAACAB	
Simple CN105 Controller	PAC-SDW01RC-CA1	
Remote Controller English	PAR-FA32MA-W	
Remote Controller French	PAR-FL32MA-E	
Simple Wall MA Controller	PAC-YT53CRAU-J	
NA T-STAT interface	RMF-CA100	

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

- ¹ 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
- ² 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
- ³ 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.

Unit: mm<in>

