

Submittal Data: SVZ-AP24NL SUZ-AK24NLHZ

Job Name:		Location:	
Purchaser:		Submitted By:	
Submitted To:		Engineer:	
Date:		Application:	

☐ Reference ☐ Approval ☐ Construction



Basic product info.

IDU Model Number	SVZ-AP24NL	
ODU Model Number	SUZ-AK24NLHZ	
AHRI Certificate	215712238	
IDU Model Code	32P114	

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	25000	
Cooling 95F Rated Capacity	23800	
Cooling 95F Minimum Capacity	12300	
Cooling Maximum Power Input	2190	
Cooling Rated Power Input	2030	
Cooling Minimum Power Input	740	
Moisture removal at AHRI Cooling Rating Conditions	6.7	
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.71	

Performance: Heating at 47F (8.3C)

Heating 47F Rated Capacity	23000	
Heating 47F Maximum Capacity	28000	
Heating 47F Minimum Capacity	10700	
Heating 47F Maximum Power Input	2470	
Heating 47F Rated Power Input	2100	
Heating 47F Minimum Power Input	770	
COP 47F at Rated Condition	3.2	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	23000	
Heating 17F Rated Capacity	19000	
Heating 17F Minimum Capacity	5800	
Heating 17F Maximum Power Input	3740	
Heating 17F Rated Power Input	2160	
Heating 17F Minimum Power Input	980	
COP 17F at Maximum capacity	1.8	
COP 17F at Rated Condition	2.5	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	23000	
Heating 5F Minimum Capacity (H4Full)	6500	
Heating 5F Maximum Power Input (H4Full)	3740	
Heating 5F Rated Power Input (H4Full)	2630	
Heating 5F Minimum Power Input (H4Full)	1370	
COP 5F at Maximum capacity (H4Full)	1.8	
Heating 5F Rated Capacity (H4Full)	15600	

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

Heating -13F Maximum Capacity	17200	
Heating -13F Minimum Capacity	4300	
Heating -13F Maximum Power Input	3760	
Heating -13F Minimum Power Input	1240	
COP -13F at Maximum Capacity	1.34	

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

NEEP Certification	YES	
Energy Star 6.1 Certified	YES	
Energy Star 6.1 Cold Climate Certified	YES	

Efficiency

SEER2	18.6	
EER2	11.7	
HSPF2 (IV)	8.6	
HSPF2(V)	7.2	

Electrical

Rated Voltage (Min)	208	
Rated Voltage (Max)	230	
Phase	1	
Recommended Fuse/Breaker Size	30	
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	39	
Recommended Fuse/Breaker Size of System (ODU)	30	
ODU Minimum Circuit Ampacity (MCA)	24	
Short-circuit Current Rating (SCCR)	5	

Indoor Unit

External Finish (Munsell No. in case painting)	6.2PB 9/0.9	
Drain Pipe Size (Outer size)	19.05	
IDU Airflow Rate, Cooling (Dry) CFM	471, 573, 700	
IDU Airflow Rate, Heating CFM	471, 573, 700	
IDU Unit Dimension W (inch)	20 7/8	
IDU Unit Dimension D (inch)	21 5/8	
IDU Unit Dimension H (inch)	31 8/16	
IDU Airflow Rate at Cooling, Dry 1	471	
IDU Airflow Rate at Cooling, Dry 2	573	
IDU Airflow Rate at Cooling, Dry 3	700	
IDU Airflow Rate at Heating 1	471	
IDU Airflow Rate at Heating 2	573	
IDU Airflow Rate at Heating 3	700	

Outdoor Unit

Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W (inch)	41 11/32	
ODU Unit Dimension D (inch)	13 + 1	
ODU Unit Dimension H (inch)	52 43/64	
ODU Fan Motor Output	0.0992 + 0.0992	
ODU Unit Weight	231.5	
ODU Unit Weight (lbs)	232	

Piping

Gas Pipe Size O.D. [Flared]	5/8	
Maximum Piping Length (m)	50	
Maximum Piping Length (ft)	165	
Liquid Pipe Size O.D. [Flared]	3/8	
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)	25	

Accessories

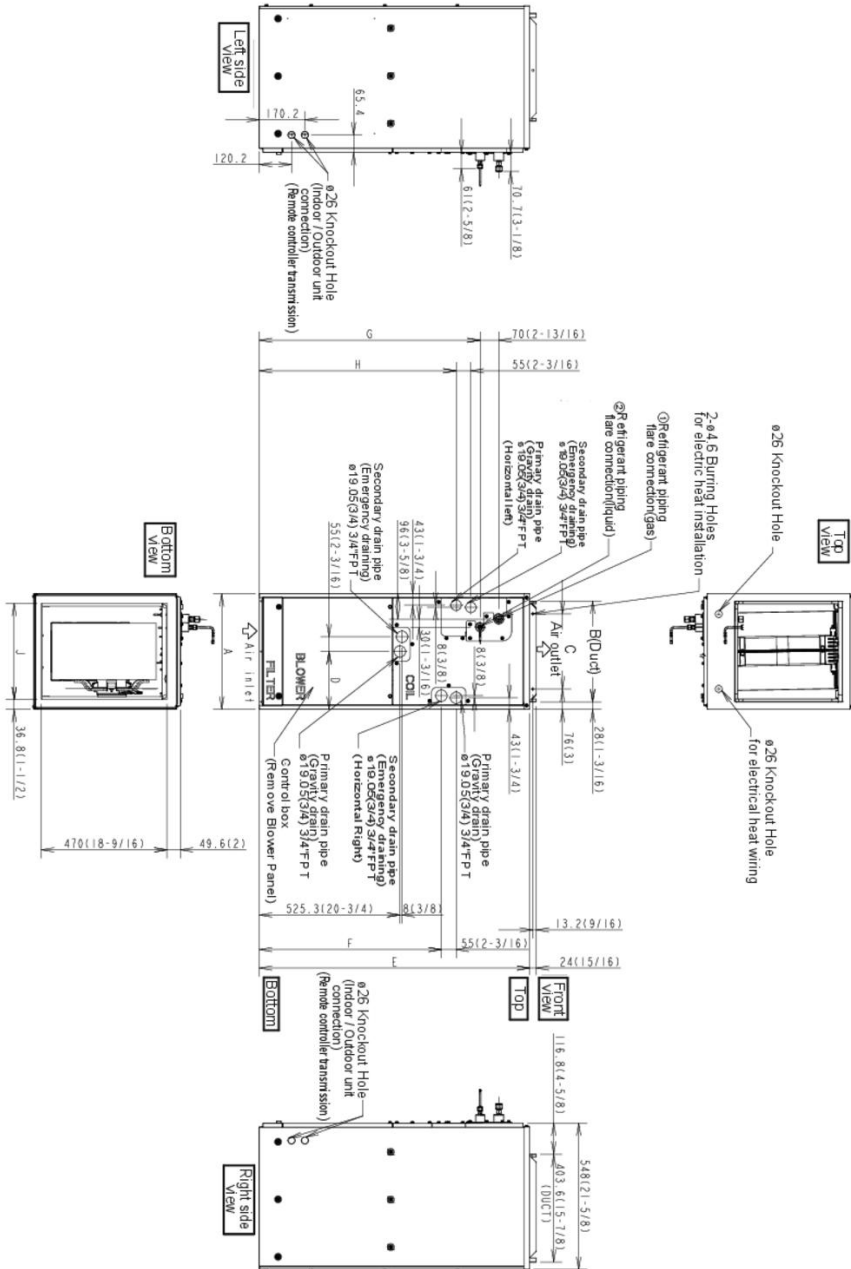
Remote Controller English	PAR-FA32MA-W	
Remote Controller French	PAR-FL32MA-E	
Wall Mount controller	PAR-42MAACAB	
Simple Wall MA Controller	PAC-YT53CRAU-J	
NA T-STAT Interface	RMF-CA100	
Wi-Fi Adapter	PAC-USWHS002CN-1	
Simple CN105 Controller	PAC-SDW01RC-CA1	

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-AP24NL

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>

