

Job Name:	
Purchaser:	
Submitted To:	
Date:	

Location:	
Submitted By:	
Engineer:	
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	Btu/h
Cooling 95F Rated Capacity	23800	Btu/h
Cooling 95F Minimum Capacity	12300	Btu/h
Cooling Maximum Power Input	2190	W
Cooling Rated Power Input	2030	W
Cooling Minimum Power Input	740	W
Moisture removal at AHRI Cooling Rating Conditions	6.7	Pints/h
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.71	-

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

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

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

Heating 17F Maximum Capacity	23000	Btu/h
Heating 17F Rated Capacity	19000	Btu/h
Heating 17F Minimum Capacity	5800	Btu/h
Heating 17F Maximum Power Input	3740	W
Heating 17F Rated Power Input	2160	W
Heating 17F Minimum Power Input	980	W
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	Btu/h
Heating 5F Minimum Capacity (H4Full)	6500	Btu/h
Heating 5F Maximum Power Input (H4Full)	3740	W
Heating 5F Rated Power Input (H4Full)	2630	W
Heating 5F Minimum Power Input (H4Full)	1370	W
COP 5F at Maximum capacity (H4Full)	1.8	
Heating 5F Rated Capacity (H4Full)	15600	Btu/h

### 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**

Cooling Thermal Lock-out Temp	-18.5	
Cooling Thermal Re-start Temp	-16.3	
Heating Thermal Re-start Temp	-25.6	
Heating Thermal Lock-out Temp	-30.3	
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)	-23	

**Rebates**

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

**Efficiency**

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

**Electrical**

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

**Indoor Unit**

External Finish (Munsell No. in case painting)	6.2PB 9/0.9	
IDU Unit Dimension W	20 7/8	inch
IDU Unit Dimension D	21 5/8	inch
IDU Unit Dimension H	31 8/16	inch
IDU Unit Weight	97	lbs
Drain Pipe Size (Outer size)	19.05	mm
IDU Airflow Rate, Cooling (Dry)	471, 573, 700	CFM
IDU Airflow Rate, Heating	471, 573, 700	CFM
IDU Airflow Rate at Cooling, Dry 1	471	CFM
IDU Airflow Rate at Cooling, Dry 2	573	CFM
IDU Airflow Rate at Cooling, Dry 3	700	CFM
IDU Airflow Rate at Heating 1	471	CFM
IDU Airflow Rate at Heating 2	573	CFM
IDU Airflow Rate at Heating 3	700	CFM

**Outdoor Unit**

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

**Piping**

Gas Pipe Size O.D. [Flared]	5/8	inch
Maximum Height Difference	100	ft
Maximum Piping Length	165	ft
Liquid Pipe Size O.D. [Flared]	3/8	inch
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)	9 lbs 14 oz	lbs, oz
Pre-charged Refrigerant Amount	158.7	oz
Maximum Pre-charged Piping Length	24.9	ft

**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-USWHS002
Simple CN105 Controller	SDW01RC-01

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



