

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

Reference Approval Construction



Basic product info.

IDU Model Number	SVZ-AP30NL
ODU Model Number	SUZ-AK30NLHZ
AHRI Certificate	215712240
IDU Model Code	32P115

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	29000	Btu/h
Cooling 95F Rated Capacity	28000	Btu/h
Cooling 95F Minimum Capacity	12700	Btu/h
Cooling Maximum Power Input	2250	
Cooling Rated Power Input	2150	
Cooling Minimum Power Input	980	
Moisture removal at AHRI Cooling Rating Conditions	5.4	
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.79	

Performance: Heating at 47F (8.3C)

Heating 47F Rated Power Input	2590	W
Heating 47F Maximum Capacity	34000	Btu/h
Heating 47F Rated Capacity	32000	Btu/h
Heating 47F Minimum Capacity	18300	Btu/h
Heating 47F Maximum Power Input	2910	W
Heating 47F Minimum Power Input	1210	W
COP 47F at Rated Condition	3.62	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	32000	Btu/h
Heating 17F Rated Capacity	23600	Btu/h
Heating 17F Minimum Capacity	13100	Btu/h
Heating 17F Maximum Power Input	6250	W
Heating 17F Rated Power Input	2710	W
Heating 17F Minimum Power Input	2190	W
COP 17F at Maximum capacity	1.5	
COP 17F at Rated Condition	2.54	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	32000	Btu/h
Heating 5F Minimum Capacity (H4Full)	7100	Btu/h
Heating 5F Maximum Power Input (H4Full)	5210	W
Heating 5F Rated Power Input (H4Full)	2890	W
Heating 5F Minimum Power Input (H4Full)	1630	W
COP 5F at Maximum capacity (H4Full)	1.8	
Heating 5F Rated Capacity (H4Full)	18900	Btu/h

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

Heating -13F Maximum Capacity	21300	
Heating -13F Minimum Capacity	4600	
Heating -13F Maximum Power Input	4420	
Heating -13F Minimum Power Input	1370	
COP -13F at Maximum Capacity	1.4	

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	17.1	
EER2	13	
HSPF2 (IV)	9.2	
HSPF2(V)	7.4	
HSPF2 (V)	7.4	

Electrical

Rated Voltage (Min)	208	
Rated Voltage (Max)	230	
Phase	1	
Recommended Fuse/Breaker Size	30	A
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	48	A
Recommended Fuse/Breaker Size of System (ODU)	30	
ODU Minimum Circuit Ampacity (MCA)	29	A
Short-circuit Current Rating (SCCR)	5	

Indoor Unit

External Finish (Munsell No. in case painting)	6.2PB 9/0.9	
IDU Unit Dimension W	21	inch
IDU Unit Dimension D	21 5/8	inch
IDU Unit Dimension H	43 7/8	inch
IDU Unit Weight	122	lbs
Drain Pipe Size (Outer size)	19.05	
IDU Airflow Rate, Cooling (Dry)	613, 744, 875	CFM
IDU Airflow Rate, Heating	613, 744, 875	CFM
IDU Airflow Rate at Cooling, Dry 1	613	
IDU Airflow Rate at Cooling, Dry 2	744	
IDU Airflow Rate at Cooling, Dry 3	875	
IDU Airflow Rate at Heating 1	613	
IDU Airflow Rate at Heating 2	744	
IDU Airflow Rate at Heating 3	875	

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	
ODU Unit Weight	231.5	

Piping

Gas Pipe Size O.D. [Flared]	5/8	
Maximum Height Difference	100	ft
Maximum Piping Length	245	ft
Liquid Pipe Size O.D. [Flared]	3/8	
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	
Maximum Pre-charged Piping Length	24.9	

Accessories

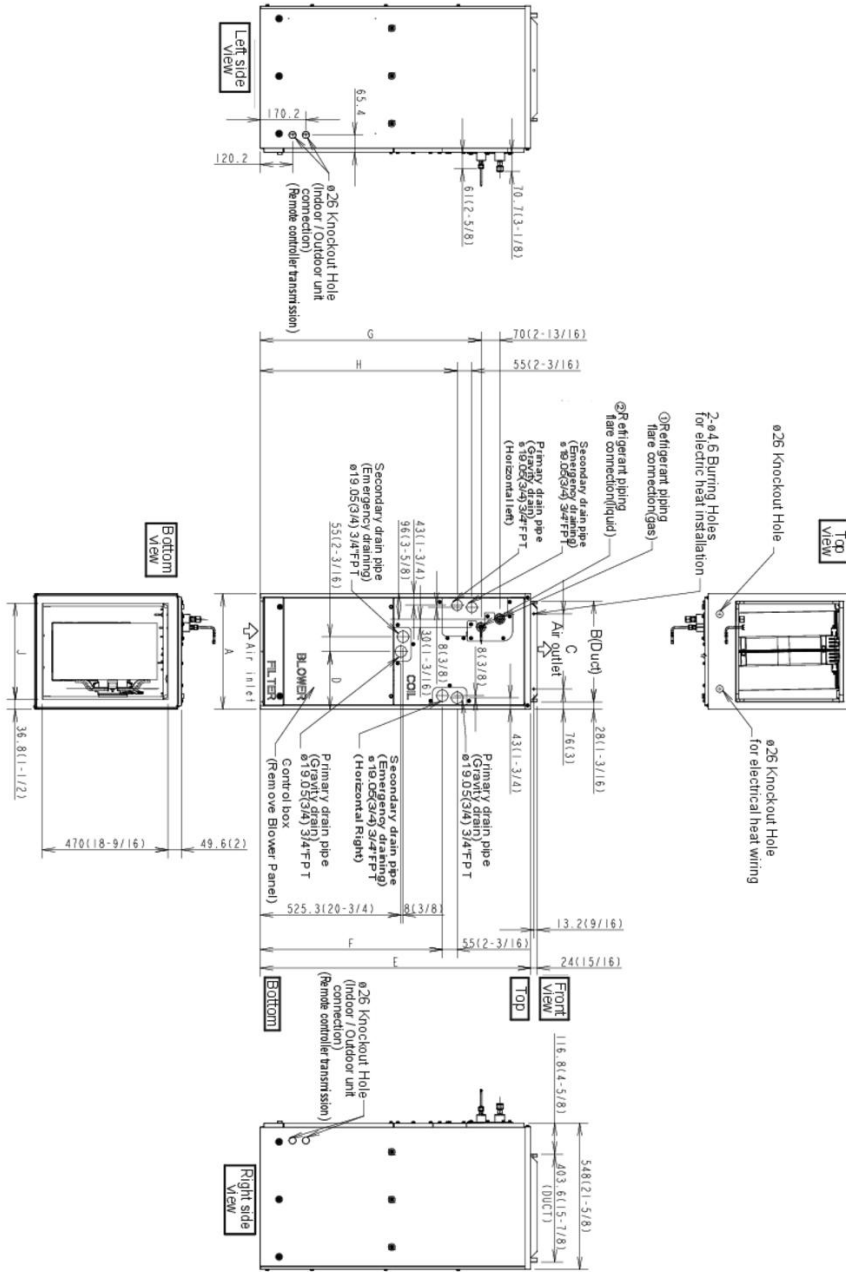
Remote Controller English	PAR-FA32MA-W
Remote Controller French	PAR-FL32MA-E
Wall Mount controller	PAR-42MAACAB
Simple Wall MA Controller	PAC-YT53CRAU-J
NA T-STAT Interface	RMF-CA100
Wi-Fi Adapter	PAC-USWHS002
Simple CN105 Controller	SDW01RC-01

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

- 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-AP30NL

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.

