

Submittal Data:
SVZ-AP12NL
SUZ-AA12NLHZ

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

☐ Reference
 ☐ Approval
 ☐ Construction



Basic product info.

IDU Model Number	SVZ-AP12NL	
ODU Model Number	SUZ-AA12NLHZ	
AHRI Certificate	215734915	
IDU Model Code	32P112	

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	12000	
Cooling 95F Rated Capacity	12000	
Cooling 95F Minimum Capacity	5400	
Cooling Maximum Power Input	950	
Cooling Rated Power Input	950	
Cooling Minimum Power Input	390	
Moisture removal at AHRI Cooling Rating Conditions	1.2	
Sensible Heat Factor at AHRI Cooling Rating Conditions	1.2	

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	18000	
Heating 47F Rated Capacity	15000	
Heating 47F Minimum Capacity	7900	
Heating 47F Maximum Power Input	1520	
Heating 47F Rated Power Input	1200	
Heating 47F Minimum Power Input	500	
COP 47F at Rated Condition	3.6	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	15000	
Heating 17F Rated Capacity	9300	
Heating 17F Minimum Capacity	3700	
Heating 17F Maximum Power Input	1700	
Heating 17F Rated Power Input	1110	
Heating 17F Minimum Power Input	600	
COP 17F at Maximum capacity	2.5	
COP 17F at Rated Condition	2.4	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	15000	
Heating 5F Minimum Capacity (H4Full)	2800	
Heating 5F Maximum Power Input (H4Full)	2060	
Heating 5F Rated Power Input (H4Full)	890	
Heating 5F Minimum Power Input (H4Full)	530	
COP 5F at Maximum capacity (H4Full)	2.1	
Heating 5F Rated Capacity (H4Full)	7700	

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

Heating -13F Maximum Capacity	9100	
Heating -13F Minimum Capacity	1700	
Heating -13F Maximum Power Input	1650	
Heating -13F Minimum Power Input	450	
COP -13F at Maximum Capacity	1.61	

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	16.1	
EER2	12.6	
HSPF2 (IV)	9.3	
HSPF2(V)	7.6	

Electrical

Rated Voltage (Min)	208	
Rated Voltage (Max)	230	
Phase	1	
Recommended Fuse/Breaker Size	15	
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	42	
Recommended Fuse/Breaker Size of System (ODU)	30	
ODU Minimum Circuit Ampacity (MCA)	25	
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 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, Cooling (Dry) CFM	278, 381, 448	
IDU Airflow Rate, Heating CFM	278, 381, 448	
IDU Airflow Rate at Cooling, Dry 1	278	
IDU Airflow Rate at Cooling, Dry 2	381	
IDU Airflow Rate at Cooling, Dry 3	448	
IDU Airflow Rate at Heating 1	278	
IDU Airflow Rate at Heating 2	381	
IDU Airflow Rate at Heating 3	448	

Outdoor Unit

Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W (inch)	33 1/16	
ODU Unit Dimension D (inch)	13 + 1	
ODU Unit Dimension H (inch)	52 43/64	
ODU Fan Motor Output	0.067	
ODU Unit Weight	115	
ODU Unit Weight (lbs)	115	

Piping

Gas Pipe Size O.D. [Flared]	3/8	
Maximum Piping Length (m)	30	
Maximum Piping Length (ft)	100	
Liquid Pipe Size O.D. [Flared]	1/4	
ODU Liquid Pipe Size O.D. [Flared]	1/4	
ODU Gas Pipe Size O.D. [Flared]	3/8	

Refrigerant

Refrigerant Type	R454B	
Pre-charged Refrigerant Amount (ODU)	2 lbs	
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

Model code 12, 18, 24, 30, 36



Units: mm (in.)

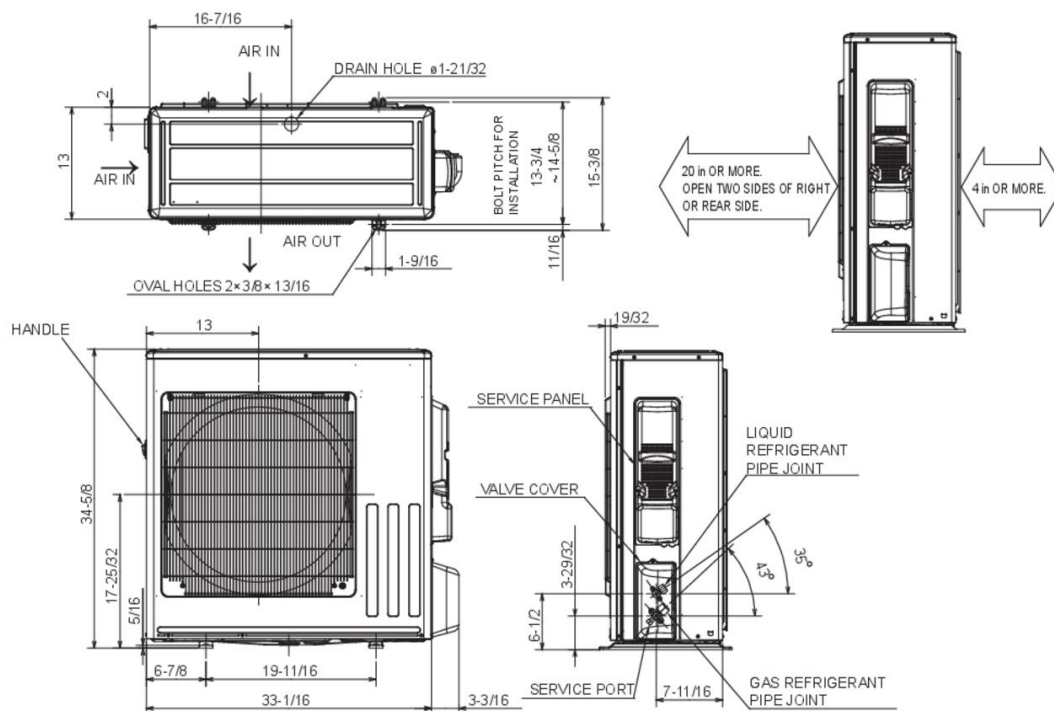
Model code	Nominal filter size	Duct connection	② Liquid pipe	① Gas pipe
12	508 x 406.4 x 25.4 (20 x 16 x 1)	376 x 402 (14 -13/16 x 15-7/8)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
18				Ø 12.7 (1/2)
24			508 x 508 x 25.4 (20 x 20 x 1)	477 x 402 (18-13/16 x 15-7/8)
30				
36				

Model code	A	B	C	D
12	432 (17)	376 (14-13/16)	281 (11-1/8)	224 (8-7/8)
18				
24				
30	534 (21)	477 (18-13/16)	382.6 (15-1/8)	266.5 (10-1/2)
36				

Model code	E	F	G	H	J
12	1,010.8 (39-13/16)	680 (26-13/16)	823 (32-7/16)	735.5 (29)	360 (14-3/16)
18					
24					
30	1,113.8 (43-7/8)	737 (19-1/16)	935.5 (37-9/16)	792 (31-3/16)	461 (18-3/16)
36					

Unit: inch

A diagram of a window unit in its open position. A large upward-pointing arrow above the unit contains the text: "BASICALLY OPEN 20 in OR MORE WITHOUT ANY OBSTRUCTION IN FRONT AND BOTH SIDES OF THE UNIT." To the left of the unit, a double-headed arrow indicates a clearance of "4 in OR MORE." To the right, another double-headed arrow indicates a clearance of "14 in OR MORE." The unit itself has a circular grille on the inside and vertical fins on the outside.



REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED ø6.35 (1/4")
	GAS REFRIGERANT PIPE	AA09/12: FLARED ø9.52 (3/8") AA15/18: FLARED ø12.7 (1/2") AA24/30/36: FLARED ø15.88 (5/8")