

Submittal Data:
SVZ-AP48NL
SUZ-CK48NLH

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-CK48NLH	
AHRI Certificate	217166237	

Performance: Cooling at 95F (35C)

Cooling 95F Rated Capacity	48000	
Cooling 95F Minimum Capacity	18100	
Cooling Maximum Power Input	4450	
Cooling Rated Power Input	4450	
Cooling Minimum Power Input	1080	
Moisture removal at AHRI Cooling Rating Conditions	10.5	
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.77	
Cooling 95F Maximum Capacity	48000	

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	60000	
Heating 47F Rated Capacity	60000	
Heating 47F Minimum Capacity	14700	
Heating 47F Maximum Power Input	5670	
Heating 47F Rated Power Input	5670	
Heating 47F Minimum Power Input	910	
COP 47F at Maximum Capacity	3.12	
COP 47F at Rated Condition	3.2	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	38000	
Heating 17F Rated Capacity	38000	
Heating 17F Minimum Capacity	10100	
Heating 17F Maximum Power Input	4710	
Heating 17F Rated Power Input	4710	
Heating 17F Minimum Power Input	1450	
COP 17F at Maximum capacity	2.36	
COP 17F at Rated Condition	2.36	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	30800	
Heating 5F Rated Capacity (H4Full)	30800	
Heating 5F Minimum Capacity (H4Full)	7900	
Heating 5F Maximum Power Input (H4Full)	4250	
Heating 5F Rated Power Input (H4Full)	4250	
Heating 5F Minimum Power Input (H4Full)	1410	
COP 5F at Maximum capacity (H4Full)	2.12	
COP 5F at Rated capacity (H4Full)	2.12	

ODU Operating Temp. Range

Cooling Thermal Re-start Temp (F)	3	
Cooling Thermal Lock-out Temp (F)	-1	
Heating Thermal Re-start Temp (F)	-4	
Heating Thermal Lock-out Temp (F)	-14	
Heating Thermal Re-start Temp (C)	-20	
Cooling Thermal Re-start Temp (C)	-16	
Cooling Thermal Lock-out Temp (C)	-18.5	
Heating Thermal Lock-out Temp (C)	-25	

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

Efficiency		
HSPF2(V)	7.2	
SEER2	17.1	
EER2	9.1	
HSPF2 (IV)	8.1	

Electrical		
Recommended Fuse/Breaker Size	40	
Rated Voltage (Min)	208	
Rated Voltage (Max)	230	
ODU Minimum Circuit Ampacity (MCA)	38	
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	67	
IDU Minimum Circuit Ampacity (MCA) if Powered Separate	5.63	

Indoor Unit		
IDU Airflow Rate, Cooling (Dry) CFM	1040, 1262, 1485	
IDU Airflow Rate, Heating CFM	1040, 1262, 1485	
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	
Drain Pipe Size (Outer size)	3/4	
External Finish (Munsell No. in case painting)	6.2PB 9/0.9	

Outdoor Unit		
ODU Fan Motor Output	0.2682	
Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Weight	264.6	

Piping		
ODU Liquid Pipe Size O.D. [Flared]	1/4	
ODU Gas Pipe Size O.D. [Flared]	5/8	
Liquid Pipe Size O.D. [Flared]	3/8	
Gas Pipe Size O.D. [Flared]	5/8	
Maximum Piping Length (ft)	245	

Refrigerant		
Refrigerant Type	R454B	
Pre-charged Refrigerant Amount (ODU)	11 lbs 7 oz	
Maximum Pre-charged Piping Length (ft)	100	

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

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

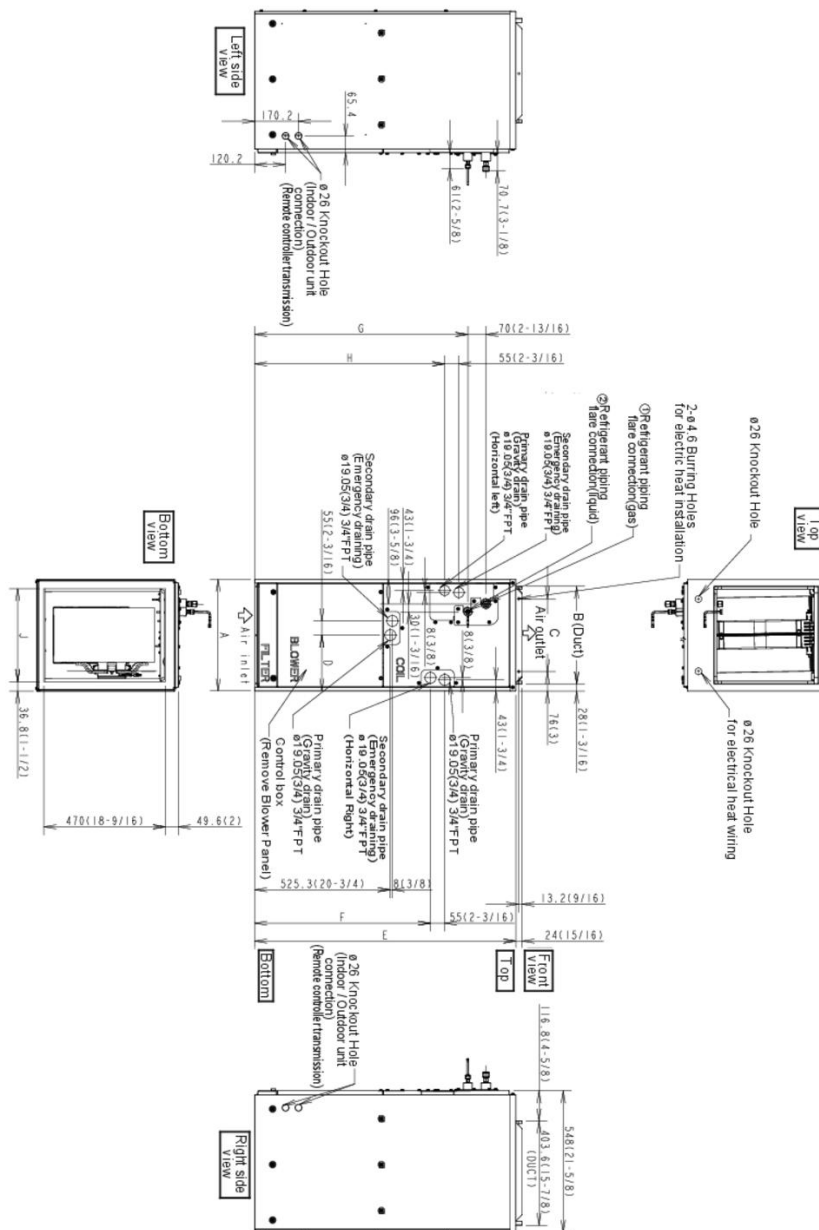
² Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB

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

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.

SUZ-CK48NLH-U1

Unit: mm<in>

