

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

Reference Approval Construction



Basic product info.

IDU Model Number	PVA-AA48NL
ODU Model Number	PUZ-AK48NLHZ
AHRI Certificate	217121932

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	48,000	Btu/h
Cooling 95F Rated Capacity	48,000	Btu/h
Cooling 95F Minimum Capacity	18,000	Btu/h
Cooling Maximum Power Input	4640	W
Cooling Rated Power Input	4640	W
Cooling Minimum Power Input	1870	W
Moisture removal at AHRI Cooling Rating Conditions	11.9	Pints/h
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.75	-

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	60,000	Btu/h
Heating 47F Rated Capacity	60,000	Btu/h
Heating 47F Minimum Capacity	12,800	Btu/h
Heating 47F Maximum Power Input	5130	W
Heating 47F Rated Power Input	5130	W
Heating 47F Minimum Power Input	820	W
COP 47F at Rated Condition	3.4	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	30800	Btu/h
Heating 17F Rated Capacity	30800	Btu/h
Heating 17F Minimum Capacity	9600	Btu/h
Heating 17F Maximum Power Input	3690	W
Heating 17F Rated Power Input	3690	W
Heating 17F Minimum Power Input	1340	W
COP 17F at Maximum capacity	2.4	
COP 17F at Rated Condition	2.4	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	52,000	Btu/h
Heating 5F Rated Capacity (H4Full)	52,000	Btu/h
Heating 5F Minimum Capacity (H4Full)	6700	Btu/h
Heating 5F Maximum Power Input (H4Full)	7940	W
Heating 5F Rated Power Input (H4Full)	7940	W
Heating 5F Minimum Power Input (H4Full)	1450	W
COP 5F at Maximum capacity (H4Full)	1.9	

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

Heating -13F Maximum Capacity	44,000	Btu/h
Heating -13F Minimum Capacity	4330	Btu/h
Heating -13F Maximum Power Input	6420	W
Heating -13F Minimum Power Input	1340	W

ODU Operating Temp. Range

Cooling Thermal Lock-out Temp	Rated to -40, No lock-out	C
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Rebates

Energy Star 6.1 Certified	No
Energy Star 6.1 Cold Climate Certified	YES
NEEP Certification	YES

Efficiency		
SEER2	20.2	
EER2	10.4	
HSPF2 (IV)	8.7	
HSPF2 (V)	7.9	

Electrical		
Rated Voltage (Min)	208	V AC
Rated Voltage (Max)	230	V AC
Phase	1	
Short-circuit Current Rating (SCCR)	5	kA
Recommended Fuse/Breaker Size	40	
ODU Minimum Circuit Ampacity (MCA)	35	
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	60	A
IDU Minimum Circuit Ampacity (MCA) if Powered Separate	5.63	A

Indoor Unit		
IDU Airflow Rate at Heating 1	1040	CFM
IDU Airflow Rate at Heating 2	1262	CFM
IDU Airflow Rate at Heating 3	1485	CFM
IDU Unit Dimension W	25	inch
IDU Unit Dimension D	21 5/8	inch
IDU Unit Dimension H	59 1/2	inch
IDU Unit Weight	176	lbs
IDU Airflow Rate at Cooling, Dry 1	1040	CFM
IDU Airflow Rate at Cooling, Dry 2	1262	CFM
IDU Airflow Rate at Cooling, Dry 3	1485	CFM
IDU Airflow Rate at Cooling, Wet 1	1040	CFM
IDU Airflow Rate at Cooling, Wet 2	1262	CFM
IDU Airflow Rate at Cooling, Wet 3	1485	CFM

Outdoor Unit		
ODU Fan Motor Output	0.2682	HP
Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W	41 6/16	inch
ODU Unit Dimension D	14	inch
ODU Unit Dimension H	52 11/16	inch
ODU Unit Weight	271.2	lbs

Piping		
Gas Pipe Size O.D. [Flared]	5/8	inch
Liquid Pipe Size O.D. [Flared]	3/8	inch
Maximum Height Difference	100	ft
Maximum Piping Length	246	ft

Refrigerant		
Refrigerant Type	R454B	
Pre-charged Refrigerant Amount	11.5	oz
Maximum Pre-charged Piping Length	30	ft
Pre-charged Refrigerant Amount (ODU)	11.5	lbs, oz

Accessories		
Wall Mount controller	PAR-42MAACAB	
Simple Wall MA Controller	PAC-YT53CRAU-J	
NA T-STAT Interface	RMF-CA100	
Wi-Fi Adapter	PAC-USWHS002	

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

PUZ-AK48NLHZ-U1

Unit: mm<in>

