

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

Reference Approval Construction



Basic product info.

IDU Model Number	PVA-AA36NL
IDU Model Code	32P104
ODU Model Number	PUZ-AK36NLHZ
AHRI Certificate	215712216

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	37000	Btu/h
Cooling 95F Rated Capacity	36000	Btu/h
Cooling 95F Minimum Capacity	14600	Btu/h
Cooling Maximum Power Input	3060	W
Cooling Rated Power Input	2960	W
Cooling Minimum Power Input	760	W
Moisture removal at AHRI Cooling Rating Conditions	11.8	Pints/h
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.65	-

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	40000	Btu/h
Heating 47F Rated Capacity	38000	Btu/h
Heating 47F Minimum Capacity	13000	Btu/h
Heating 47F Maximum Power Input	2780	W
Heating 47F Rated Power Input	2660	W
Heating 47F Minimum Power Input	670	W
COP 47F at Rated Condition	4.1	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	38000	Btu/h
Heating 17F Rated Capacity	24400	Btu/h
Heating 17F Minimum Capacity	8300	Btu/h
Heating 17F Maximum Power Input	5570	W
Heating 17F Rated Power Input	2600	W
Heating 17F Minimum Power Input	1130	W
COP 17F at Maximum capacity	1.9	
COP 17F at Rated Condition	2.7	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	38000	Btu/h
Heating 5F Rated Capacity (H4Full)	26500	Btu/h
Heating 5F Minimum Capacity (H4Full)	7000	Btu/h
Heating 5F Maximum Power Input (H4Full)	5070	W
Heating 5F Rated Power Input (H4Full)	2520	W
Heating 5F Minimum Power Input (H4Full)	1240	W
COP 5F at Maximum capacity (H4Full)	2.1	

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

COP -13F at Maximum Capacity	2.2	
Heating -13F Maximum Capacity	30800	Btu/h
Heating -13F Minimum Capacity	4600	Btu/h
Heating -13F Maximum Power Input	4100	W
Heating -13F Minimum Power Input	1150	W

ODU Operating Temp. Range

Heating Thermal Re-start Temp	-13 / -25	F° / C°
Heating Thermal Lock-out Temp	-22 / -30	F° / C°
Heating Thermal Re-start Temp (F)	-13 / -25	F° / C°
Heating Thermal Lock-out Temp (F)	-22 / -30	F° / C°

Rebates

Energy Star 6.1 Certified	Yes	
Energy Star 6.1 Cold Climate Certified	Yes	
NEEP Certification	Yes	

Efficiency

SEER2	21.2	
EER2	12.1	
HSPF2 (IV)	9.2	
HSPF2 (V)	7.5	

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	30	A
ODU Minimum Circuit Ampacity (MCA)	29	A
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	48	A

Indoor Unit

IDU Airflow Rate at Heating 1	788	CFM
IDU Airflow Rate at Heating 2	956	CFM
IDU Airflow Rate at Heating 3	1125	CFM
IDU Unit Dimension W	25	inch
IDU Unit Dimension D	21.625	inch
IDU Unit Dimension H	59.5	inch
IDU Unit Weight	172	lbs
IDU Airflow Rate at Cooling, Dry 1	788	CFM
IDU Airflow Rate at Cooling, Dry 2	956	CFM
IDU Airflow Rate at Cooling, Dry 3	1125	CFM

Outdoor Unit

ODU Fan Motor Output	0.0992 + 0.0992	HP
Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W	41.375	inch
ODU Unit Dimension D	14	inch
ODU Unit Dimension H	52.6875	inch
ODU Unit Weight	231.4851	lbs

Piping

Gas Pipe Size O.D. [Flared]	5/8	inch
Liquid Pipe Size O.D. [Flared]	3/8	inch
Maximum Height Difference	98.4252	ft
Maximum Piping Length	246.063	ft

Refrigerant

Refrigerant Type	R454B	
Pre-charged Refrigerant Amount	158.733	oz
Maximum Pre-charged Piping Length	98.4252	ft

Accessories

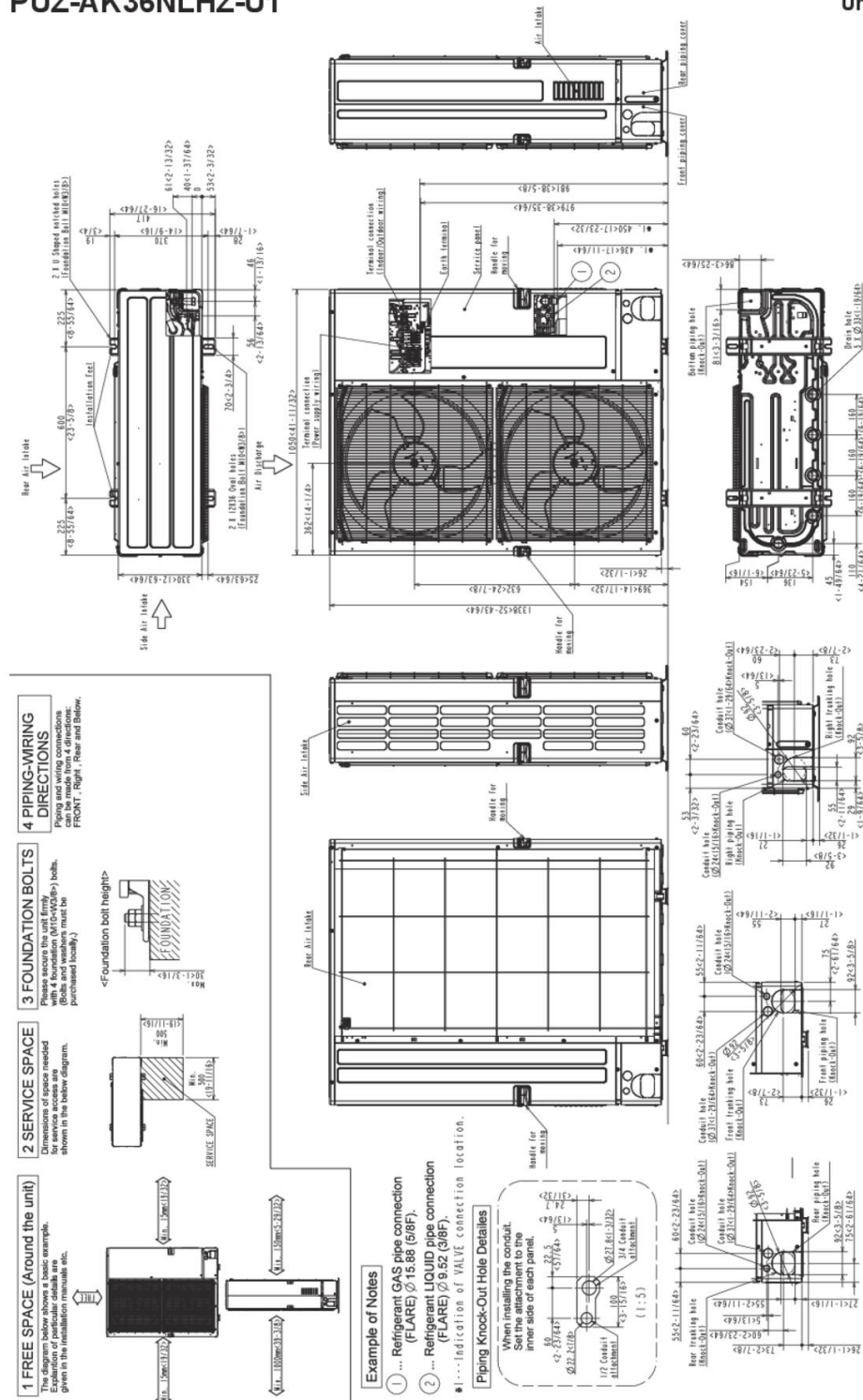
Wall Mount controller	PAR-42MAACAB
Simple Wall MA Controller	PAC-YT53CRAU-J
Simple CN105 Controller	PAC-SDW01
NA T-STAT Interface	RMF-CA100
Wi-Fi Adapter	PAC-USWHS002

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-AK36NLHZ-U1

Unit: mm<in>



- 1 FREE SPACE (Around the unit)**
The diagram below shows a basic example. Dimensions and clearances are given in the installation manual, etc.
- 2 SERVICE SPACE**
Dimensions of space needed for service are shown in the below diagram.
- 3 FOUNDATION BOLTS**
Please secure the unit firmly. Bolts and washers must be purchased locally.
- 4 PIPING-WIRING DIRECTIONS**
Piping and wiring connections are shown in the below diagram. FRONT, RIGHT, REAR AND BELOW.

- Example of Notes**
- ① ... Refrigerant GAS pipe connection (FLARE) \varnothing 16.88 (5/8F).
 - ② ... Refrigerant LIQUID pipe connection (FLARE) \varnothing 9.52 (3/8F).
 - * ... Indication of VALVE connection location.

