

Job Name:

System Reference:

Date:

Indoor Unit:

PVA-A36AA7



Outdoor Unit:

PUZ-HA36NHA5

**INDOOR UNIT FEATURES**

- Ducted air handler provides a solution to cool and heat large zones
- Highly efficient totally enclosed ECM motor
- Selectable external static pressure: 0.30, 0.50 and 0.80 in.WG with 3 fan speeds at each static setting
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Positive pressure cabinet with air leakage of less than 1.0% at 1.0 in. w.g.
- Unique blow through design allows simple coil cleaning when the blower is removed
- Multi-position installation: horizontal (left or right), vertical (up or down). For downflow configurations, the CMA-1 is recommended for proper management of condensate to prevent water blow-off in certain conditions
- Optional electric heat kit for additional heat capacity
- Optional humidifier control and ERV control

OUTDOOR UNIT FEATURES

- Variable speed INVERTER-driven compressor
- High heating capacity: flash injection circuit maintains 100% heating capacity at 5°F outdoor temperature
- Wide heating range: heating performance down to -13°F (average of 80% heating capacity)
- High speed heating at start up: Hyper-Heating INVERTER® reduces the time for heating at start up by about half compared to standard models
- Suction accumulator pre-charged with refrigerant volume for piping length up to 100 ft.
- Twinning of two indoor units possible with the 36 kBtu/h model
- High pressure/temperature protection

SPECIFICATIONS: PVA-A36AA7 & PUZ-HA36NHA5

Model Number	Indoor Unit		PVA-A36AA7
	Outdoor Unit		PUZ-HA36NHA5
Cooling*1	Maximum Capacity	Btu/h	36,000
	Rated Capacity	Btu/h	33,000
	Minimum Capacity	Btu/h	18,000
	Maximum Power Input	W	3,040
	Rated Power Input	W	2,640
	Moisture Removal	Pints/h	7.9
	Sensible Heat Factor		0.74
	Power Factor	%	87.6
Heating at 47°F*2	Maximum Capacity	Btu/h	40,000
	Rated Capacity	Btu/h	38,000
	Minimum Capacity	Btu/h	18,000
	Maximum Power Input	W	3,360
	Rated Power Input	W	3,040
	Power Factor	%	88.7
Heating at 17°F *3	Maximum Capacity	Btu/h	38,000
	Rated Capacity	Btu/h	29,000
	Maximum Power Input	W	5,400
	Rated Power Input	W	3,230
Heating at 5°F *4	Maximum Capacity	Btu/h	38,000
	Maximum Power Input	W	6,100
Efficiency	SEER		17.8
	EER *1		12.5
	HSPF (IV)		11.0
	COP at 47°F *2		3.66
	COP at 17°F in Maximum Capacity		2.06
	COP at 5°F in Maximum Capacity		1.82
	ENERGY STAR® Certified		Yes
Electrical	Voltage, Phase, Frequency		208 / 230V, 1-phase, 60 Hz
	Guaranteed Voltage Range	V AC	187 - 253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208V / 230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Voltage: Indoor - Remote controller	V DC	12
	Recommended Fuse/Breaker Size	A	30
	Recommended Wire Size (Indoor - Outdoor)	AWG	14

SPECIFICATIONS: PVA-A36AA7 & PUZ-HA36NHA5

Model Number	Indoor Unit		PVA-A36AA7
	Outdoor Unit		PUZ-HA36NHA5
Indoor Unit	MCA	A	5.50
	Fan Motor Full Load Amperage	A	4.40
	Fan Motor Output	W	430
	Airflow Rate, Dry	CFM	788-956-1125
	Airflow Rate, Wet	CFM	n/a
	External Static Pressure	in.WG	0.30-0.50-0.80
	Sound Pressure Level	dB(A)	30-34-38
	Drain Pipe Size	In. (mm)	3/4 FPT (19.05)
	Condensate Lift Mechanism, Maximum Distance	In. (mm)	n/a
	Heat Exchanger Type		Plate fin coil
	External Finish Color		Galvanized steel cabinet-Powder coated Slate Gray
	Unit Dimensions	W: In. (mm)	25 (635)
		D: In. (mm)	21-5/8 (548)
		H: In. (mm)	59-1/2 (1511)
	Unit Weight	Lbs. (kg)	78 (172)
Indoor Unit Operating Temperature Range	Cooling Intake Air Temp (Maximum / Minimum)	°F	90 DB, 73 WB / 66 DB, 59 WB
	Heating Intake Air Temp (Maximum / Minimum)	°F	82 DB / 50 DB
Outdoor Unit	MCA	A	28
	MOCP	A	40
	Fan Motor Full Load Amperage	A	0.4+0.4
	Fan Motor Output	W	86+86
	Airflow Rate	CFM	3,530
	Refrigerant Control		Electronic Expansion Valve
	Defrost Method		Reverse Cycle
	Heat Exchanger Type		Cross fin
	Sound Pressure Level, Cooling*1	dB(A)	52
	Sound Pressure Level, Heating*2	dB(A)	53
	Compressor Type		INVERTER-Driven Twin Rotary
	Compressor Model		ANB33FJEMT
	Compressor Rated Load Amps	A	18
	Compressor Locked Rotor Amps	A	27.5

SPECIFICATIONS: PVA-A36AA7 & PUZ-HA36NHA5

Model Number	Indoor Unit		PVA-A36AA7
	Outdoor Unit		PUZ-HA36NHA5
	Compressor Oil Type // Charge	oz.	FV50S // 45
	External Finish Color		Ivory Munsell 3Y 7.8/1.1
	Base Pan Heater		n/a
	Unit Dimensions	W: In. (mm)	37-3/8 (950)
		D: In. (mm)	13 + 1-3/16 (330 + 30)
		H: In. (mm)	53-1/8 (1,350)
	Package Dimensions	W: In. (mm)	40-15/16 (1,040)
		D: In. (mm)	17-11/16 (450)
		H: In. (mm)	56-11/16 (1,440)
	Unit Weight	Lbs. (kg)	265 (120)
	Package Weight	Lbs. (kg)	289 (131)
Outdoor Unit Operating Temperature Range	Cooling Intake Air Temp (Maximum / Minimum)	°F	115 DB / 0* DB
	Heating Intake Air Temp (Maximum / Minimum)	°F	70 DB, 59 WB / -13 DB, -13 WB
	Thermal Lock-out / Re-start Temperatures**	°F	-20.2 / -16.6 DB
Refrigerant	Type		R410A
	Charge	Lbs, oz	12lbs, 2oz
Piping	Gas Pipe Size O.D. (Flared)	In.(mm)	5/8 (15.88)
	Liquid Pipe Size O.D. (Flared)	In.(mm)	3/8 (9.52)
	Maximum Piping Length	Ft. (m)	245 (75)
	Maximum Height Difference	Ft. (m)	100 (30)
	Maximum Number of Bends		15

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)	*1 Cooling (Indoor // Outdoor)	°F	80°F DB, 67°F WB // 95°F DB, 75°F WB
	*2 Heating at 47°F (Indoor // Outdoor)	°F	70°F DB, 60°F WB // 47°F DB, 43°F WB
	*3 Heating at 17°F (Indoor // Outdoor)	°F	70°F DB, 60°F WB // 17°F DB, 15°F WB
Conditions	*4 Heating at 5°F (Indoor // Outdoor)	°F	70°F DB, 60°F WB // -4°F DB, -5°F WB

Notes

*Wind baffles required to operate below 23°F DB in cooling mode. PUZ with wind baffle: 0°F - 115°F.

**System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures

ACCESSORIES: PVA-A36AA7 & PUZ-HA36NHA5

PVA-A36AA7	
3-Pole Disconnect Switch (30A/600V/UL) [fits 2" X 4" utility box]	☐ TAZ-MS303
Drain Pan Level Sensor (Control for indoor unit shut off to prevent drain pan overflow)	☐ DPLS2
Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor (110V)	☐ X87-711 - 110
Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor (208/230V)	☐ X87-721 - 208/230
Extension Cord for Blue Diamond Pump	☐ C13-103
MegaBlue Blue Diamond Condensate Pump (110-230V)	☐ X87-835
Remote Sensor (extensible)	☐ PAC-SE41TS-E
Connector Cable for Remote Display	☐ PAC-SA88HA-EP
	☐ PAC-725AD-E(10pcs)
Connector for CN32 (remote on/off)	☐ PAC-SE55RA-E
Connector for CN24 (Back up heating)	☐ PAC-SE56RA-E
Connector for CN30 (LLC)	☐ PAC-SE57RA-E
Remote Operation Adapter (with wire terminals for remote ON/OFF and operation status/error)	☐ PAC-SF40RM-E* ¹
External fan / Heater control relay adapter	☐ CN24RELAY-KIT-CM3
Backlit, wall-mounted, wireless	☐ MHK1
Wireless adapter	☐ PAC-USWHS002-WF-1
BACnet® and Modbus Interface	☐ PAC-UKPRC001-CN-1
Wall-mounted, Wired	☐ PAC-YT53CRAU-J
Wired remote controller	☐ PAR-32MAA-J
T-STAT Interface	☐ PAC-US444CN-1* ²
Wired remote controller	☐ PAR-32MAA
Signal Receiver	☐ PAR-SA9CA-E
Wireless Remote Controller	☐ PAR-FL32MA-E
Wireless Signal Receiver	☐ PAR-FA32MA-E
Wire for Remote ON/OFF with CN32 connector	☐ PAC-715AD
Lockdown Bracket for wireless, hand-held, remote controllers	☐ RCMKP1CB

*¹ Unable to use with wireless remote controller

*² Unable to use with the electric heat time delay

PUZ-HA36NHA5	
Twinning Distribution Pipe (50:50)	☐ MSDD-50TR-E
Air Outlet Guide (two pieces are required)	☐ PAC-SG59SG-E
Front Wind Baffle (two pieces are required)	☐ WB-PA5
Hail Guard	☐ HG-A3
Drain Socket	☐ PAC-SG61DS-E

ACCESSORIES: PVA-A36AA7 & PUZ-HA36NHA5

PUZ-HA36NHA5	
Centralized Drain Pan	☐ PAC-SH97DP-E
M-NET Converter	☐ PAC-SF83MA-E
Control/Service Tool	☐ PAC-SK52ST
Wall Mounting Bracket (powder-coated steel)	☐ QCWB2000M-1
Wall Mounting Bracket (316 Series Stainless Steel)	☐ QCWBSS
M-NET Control Adapter for Building Management System	☐ PAC-SF83MA-E
Outdoor Unit Mounting Pad 24" x 42" x 3"	☐ ULTRILITE2
Outdoor Unit 3-1/4 inch Mounting Base - Pair (Plastic)	☐ DSD-400N
MiniSplit Mounting Stand-Dual Fan Models - 12"	☐ QSMS1202M
MiniSplit Mounting Stand-Dual Fan Models - 18"	☐ QSMS1802M
MiniSplit Mounting Stand-Dual Fan Models - 24"	☐ QSMS2402M
3/8 x 5/8 x 10' / 1/2" Lineset (Twin-Tube Insulation)	☐ MPLS385812T-10
3/8 x 5/8 x 15' / 1/2" Lineset (Twin-Tube Insulation)	☐ MPLS385812T-15
3/8 x 5/8 x 30' / 1/2" Lineset (Twin-Tube Insulation)	☐ MPLS385812T-30
3/8 x 5/8 x 50' / 1/2" Lineset (Twin-Tube Insulation)	☐ MPLS385812T-50
3/8 x 5/8 x 65' / 1/2" Lineset (Twin-Tube Insulation)	☐ MPLS385812T-65
3/8 x 5/8 x 100' / 1/2" Lineset (Twin-Tube Insulation)	☐ MPLS385812T-100

Notes:

