

PCA-AK36NL & PUZ-AK36NL
36,000 BTU/H CEILING-SUSPENDED INDOOR UNIT
36,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... PCA-AK36NL
OUTDOOR Unit ... PUZ-AK36NL

INDOOR UNIT FEATURES

- Auto Vane Control: Auto Vane Control allows the indoor unit vanes to be moved left, right, up, and down to provide even temperatures throughout a space.
- Swing Mode: An indoor unit with this capability can move air throughout the room like an oscillating fan.
- Horizontal Vane Control: Horizontal Vane Control allows the indoor unit vanes to be moved left right to provide even temperatures throughout a space.
- Four Speed Fan: Adjust the fan between four speed settings to optimal comfort.
- Ventilation Air Intake: A duct opening is provided, which allows outside air to be brought inside so it can be heated or cooled.
- Dual Set Point: The controller can be used to program two different set points. The unit will automatically adjust between the set points for optimum comfort.

OUTDOOR UNIT FEATURES

- Inverter Driven Compressor: Inverter technology uses only the precise amount of energy needed to keep a space comfortable.
- Blue Fin Coating: Anti-corrosion coating that protects the outdoor heat exchanger against salt, sulfur, and other airborne contaminants that impact the efficiency and performance of the outdoor units.
- Seacoast Protection: Designed to protect against the corrosive effects of environments that are in close proximity to the sea.

SPECIFICATIONS: PCA-AK36NL & PUZ-AK36NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	37000
	Rated Capacity	Btu/h	36000
	Minimum Capacity	Btu/h	13500
	Maximum Power Input	W	3040
	Rated Power Input	W	2930
	Moisture Removal	Pints/h	12.70
	Sensible Heat Factor		0.62
	Power Factor [208V / 230V]	%	96 / 96
Heating at 47F ²	Maximum Capacity	Btu/h	40000
	Rated Capacity	Btu/h	40000
	Minimum Capacity	Btu/h	13200
	Maximum Power Input	W	2790
	Rated Power Input	W	2791
	Power Factor [208V / 230V]	%	96 / 96
Heating at 17F ³	Maximum Capacity	Btu/h	23200
	Rated Capacity	Btu/h	23200
	Maximum Power Input	W	2480
	Rated Power Input	W	2480
Heating at 5F ⁵	Maximum Capacity	Btu/h	20000
	Maximum Power Input	W	2140
Heating at -4F ⁶	Maximum Capacity	Btu/h	17600
Efficiency	SEER2		20.60
	EER2 ¹		12.20
	HSPF2 [IV]		9.10
	COP at 47°F ²		4.20
	COP at 17°F at Maximum Capacity ³		2.70
	COP at 5°F at Maximum Capacity ⁵		2.70
	COP at -4°F at Maximum Capacity ⁶		2.56
	ENERGY STAR® Certified		Yes
Electrical	Voltage, Phase, Frequency	V AC / V AC , Ø , Hz	208 / 230 , 1 , 60
	Guaranteed Voltage Range	V AC	198 - 253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	12-24
	Short-circuit Current Rating [SCCR]	kA	5
	Recommended Fuse/Breaker Size (Outdoor)	A	35
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
Indoor Unit	Fan Motor Output	W	160
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	705 , 775 , 850 , 920
	Airflow Rate at Cooling, Wet	CFM	775 , 850 , 920 , 990
	Airflow Rate at Heating, Dry	CFM	705 , 775 , 850 , 920
	Sound Pressure Level [Cooling]	dB (A)	37 , 39 , 41 , 43
	Sound Pressure Level [Heating]	dB (A)	37 , 39 , 41 , 43
	External Static Pressure	in.WG	
	Dual Barrier Coating on Fan		No
	External Finish Color		6.4Y 8.9/0.4
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	63 x 26-3/4 x 9-1/16 [1600 x 680 x 230]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	65-3/4 x 29-15/16 x 13-13/16 [1670 x 760 x 350]
	Unit Weight	lbs [kg]	79 [36]
	Package Weight	lbs [kg]	93 [42]
IDU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum]	deg F , deg F / deg F , deg F	90 , 73 / 66 , 59
	Heating Intake Air Temp [Maximum / Minimum]	deg F	82 / 50
Outdoor Unit	MCA	A	34
	MOCP	A	56
	Fan Motor Full Load Amperage	A	

Notes

¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB - test

²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

³Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB

⁵Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB

*Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]): • Wind baffles required to operate below 23°F DB in cooling mode. • Heat pump system with wind baffle: 0°F - 115°F. • Refer to wind baffle documentation for further information.

**Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures): • System cuts out in heating mode and automatically restarts at these temperatures.

⁶Heating at -4°F (Indoor // Outdoor) °F 70 DB, 60 WB // -4 DB, -5 WB

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Outdoor Unit	Fan Motor Output	W	74+74
	Airflow Rate Cooling	CFM	3910
	Airflow Rate Heating	CFM	3910
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling ¹	dB (A)	52
	Sound Pressure Level, Heating ²	dB (A)	53
	Compressor Type		Twin Rotary
	Compressor Model		MRB36FEGMC
	Compressor Oil [Type // Charge]	// oz	RM68EH // 45
	External Finish Color		Munsell 3Y 7.8/1.1
	Base Pan Heater		Optional
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	41-11/32 x 14 x 52-43/64 [1050 x 355 x 1338]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	42-15/16 x 17-3/4 x 58-5/16 [1090 x 450 x 1480]
ODU Operating Temp. Range	Unit Weight	lbs [kg]	224 [102]
	Package Weight	lbs [kg]	251 [114]
	Cooling Intake Air Temp [Maximum / Minimum*]	F	115 / 23
	Cooling Thermal Lock-out / Re-start Temperatures**	F	
Refrigerant	Heating Intake Air Temp [Maximum / Minimum]	F , F / F , F	70 , 59 / -4 , -4
	Heating Thermal Lock-out / Re-start Temperatures**	F	-13 / -4
	Type		R454B
	Pre-Charged Refrigerant Amount	lbs , oz	9 , 14
Piping	Maximum Pre-Charged Piping Length	ft [m]	100 [30]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0.6
	Gas Pipe Size O.D. [Flared]	inch [mm]	5/8 [15.88]
	Liquid Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]
Piping	Maximum Piping Length	ft [m]	165 [50]
	Maximum Height Difference	ft [m]	100 [30]
	Maximum Number of Bends		15

Notes

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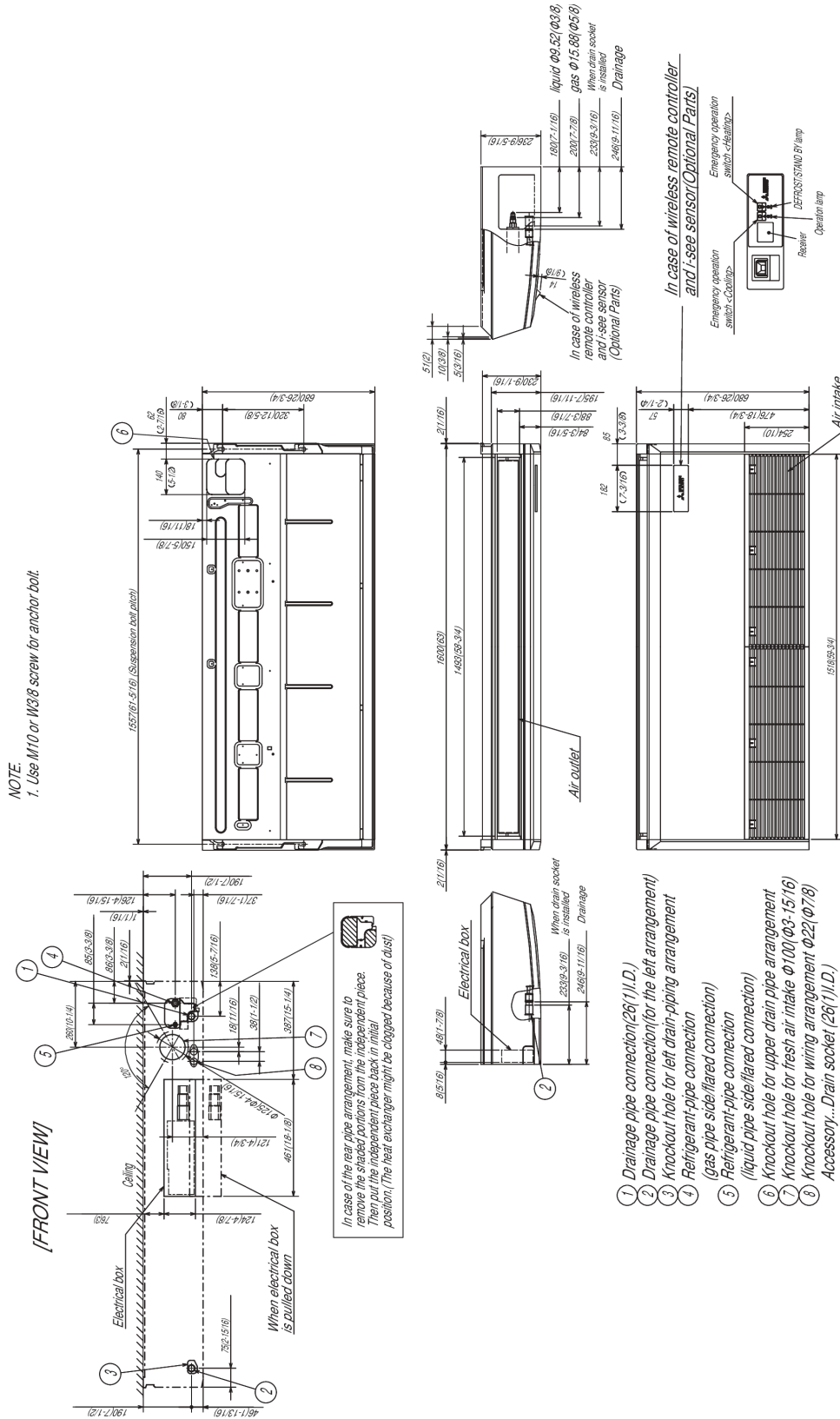
INDOOR UNIT ACCESSORIES: PCA-AK36NL

Condensate	Blue Diamond Sensor Extension Cable 15 Ft	☐ C13-103
	Blue Diamond (MaxiBlue Advanced) Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H [recommended]	☐ X87-711
	Refco Condensate Pump 100-240V up to 120k BTU/h	☐ COMBI
	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	☐ X87-835
	Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	☐ X88-721
Control Interface	Airzone Wired Blueface Controller White	☐ AZZBSBLUEZEROCB
	Wireless Interface 2 for Comfrot app	☐ PAC-USWHS002-WF-2
	Procon BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	Airzone Wireless Lite Controller Black	☐ AZZBSLITERN
	Thermostat Interface for 3rd Party Thermostats	☐ PAC-US445CN-1
	Airzone Wireless Think Controller Black	☐ AZZBSTHINKRN
	Airzone Wired Blueface Controller Black	☐ AZZBSBLUEZEROCN
	Airzone Wireless Lite Controller White	☐ AZZBSLITERB
	Operation and Error Status Output Adapter	☐ PAC-SF40RM-E
	kumo station® for Comfort app	☐ PAC-WHS01HC-E
	IT Extender	☐ PAC-WHS01IE-E
	Airzone Wireless Think Controller White	☐ AZZBSTHINKRB
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - White	☐ TAZ-MS303W
	30A600VUL fits 2 X 4 utility box - Black	☐ TAZ-MS303
Filter	Medium Efficiency Filter MERV 8	☐ PAC-SH90KF-E
Lineset	3/8 x 5/8 Lineset Twin-Tube Insulation - 10 feet	☐ MPLS385812T-10
	3/8 x 5/8 Lineset Twin-Tube Insulation - 30 feet	☐ MPLS385812T-30
	3/8 x 5/8 Lineset Twin-Tube Insulation - 15 feet	☐ MPLS385812T-15
	3/8 x 5/8 Lineset Twin-Tube Insulation - 65 feet	☐ MPLS385812T-65
	3/8 x 5/8 Lineset Twin-Tube Insulation - 100 feet	☐ MPLS385812T-100
	3/8 x 5/8 Lineset Twin-Tube Insulation - 50 feet	☐ MPLS385812T-50
N/A		☐ Unknown
Remote Sensor	Wall Mounted Remote Temperature Sensor	☐ PAC-SE41TS-E
	Wireless temperature and humidity sensor for Comfort app	☐ PAC-USWHS003-TH-1
	Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models	☐ PAC-USSEN002-FM-1
Terminal Signal Adapter	5-Pin Wiring Harness	☐ PAC-725AD
	Backup Heat Relay Kit	☐ CN24RELAY-KIT-CM3
	3-Pin Wiring Harness	☐ PAC-715AD
Wired Remote Controller	Touch MA Remote Controller	☐ PAR-CT01MAU-SB
	Simple Direct Wired Remote Controller	☐ PAC-SDW01RC-1
	Simple MA Remote Controller	☐ PAC-YT53CRAU-J
	Deluxe MA Wired Remote Controller	☐ PAR-42MAAUB
Wireless Remote Controller	Wireless MA Handheld Remote Controller (requires PAR-FA32MA-E)	☐ PAR-FL32MA-E
	Wireless Remote Controller	☐ PAR-SL101A-E
	Wireless Handheld Controller kit with Receiver and i-See Sensor for Ceiling Suspended Models	☐ PAR-SA92MW-E
	Wireless RedLINK™ Remote Controller	☐ MHK2
	Lockdown Bracket for Wireless Handheld Remote Controllers	☐ RCMKP1CB
	Universal Wireless Receiver for PAR-FL32MA-E	☐ PAR-FA32MA-W
	Wireless Handheld Controller kit with Receiver for PCA models	☐ PAR-SL93B-E
Notes		

OUTDOOR UNIT ACCESSORIES: PUZ-AK36NL

Air Outlet Guide	Air Outlet Guide 1 Piece	☐	PAC-SH96SG-E (two pieces required)
Centralized Drain Pan	Centralized Drain Pan	☐	PAC-SH97DP-E
Control/Service Tool	Maintenance Tool Interface	☐	PAC-USCMS-MN-1
	ControlService Tool	☐	PAC-SK52ST
	M- & P-Series Maintenance Tool Cable Set	☐	M21EC0397
Drain Socket	Drain Socket	☐	PAC-SG61DS-E
Hail Guards	Hail Guard	☐	HG-A2
M-NET Converter	M-Net Interface for P-Series	☐	PAC-SJ95MA-E
Mini-Split Wire	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW144-250
	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW144-50
	14 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S144-50
	14 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S144-250
Mounting Pad	Condensing Unit Mounting Pad 24 x 42 x 3	☐	ULTRILITE2
Optional Defrost Heater	Optional Defrost Heater	☐	PAC-SL11BH-E
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-5
Stand	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
	Outdoor Unit Stand 12 High	☐	QSMS1202M
	24 Dual Fan Stand	☐	QSMS2402M
	18 Dual Fan Stand	☐	QSMS1802M
Terminal Signal Adapter	3-Pin Wiring Harness	☐	PAC-715AD
	5-Pin Wiring Harness	☐	PAC-725AD
Wind Baffle	Rear Wind Baffle	☐	WB-RE6
	Front Wind Baffle	☐	WB-PA3 (two pieces required)
	Side Advanced Wind Baffle	☐	WB-SD6
Notes			

INDOOR UNIT DIMENSIONS: PCA-AK36NL



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