

PKA-AK36NL & PUY-AK36NL
33,400 BTU/H WALL-MOUNTED INDOOR UNIT
33,400 BTU/H COOLING ONLY OUTDOOR UNIT



Job Name:

System Reference:

Date:

Indoor Unit.....PKA-AK36NL

Outdoor Unit.....PUY-AK36NL



INDOOR UNIT FEATURES

- Auto fan speed mode: Automatic adjustment of fan speed
- Ideal PKA spaces: Ideal for spaces such as server rooms, daycare centers, classrooms, churches, small offices, and more
- Light commercial: Units with this icon are suitable for light commercial applications such as small offices, restaurants, and retail.
- Multiple control options, including the comfort app for remote access, third-party interfaces, and both wired and wireless controllers
- Simple installation
- Single-zone: One outdoor unit connects to one indoor unit to control the comfort in a single space.
- Sleek, compact design
- Up and down swing-mode: An indoor unit with this capability can move air up and down throughout the room like an oscillating fan using the horizontal vanes.
- Vane settings: Vane setting for air flow direction control

OUTDOOR UNIT FEATURES

- Blue Fin Coating: An anti-corrosion treatment applied to the aluminum fins of the heat exchanger of the outdoor unit to protect against corrosion caused by salt, sulfur, and other airborne contaminants, especially in coastal and industrial areas.
- Continuous operation: 24-hour continuous operation (cooling mode)
- Fast restart
- High pressure protection
- INVERTER-driven compressor: An inverter-driven compressor generates the precise capacity needed to maintain a temperature set point.
- Low ambient cooling: Low ambient cooling down to -40°F providing 100% capacity (with wind baffles)
- Pre-charged refrigerant: 12k -30k BTU/h come pre-charged for ease of installation. 24k – 30k BTU/h are pre-charged to maximum line length of 225 feet. 12k – 18k BTU/h are pre-charged for up to 165 feet of line length. For units with a capacity of 36,000 BTU/h and above, additional refrigerant charges will be required.
- Seacoast protection: Seacoast Protection, made standard in the 2022 production, features a robust anti-corrosion system with phosphate and acrylic-enamel coated external panels, epoxy resin-coated fan motor support and separator assembly valve beds, and Blue Fin treatment for the heat exchanger coil. These components are rated for 2,000 hours of durability under ASTM B117 testing standards, ensuring longevity in corrosive coastal environments.
- Superior energy and operational efficiency

SPECIFICATIONS: PKA-AK36NL & PUY-AK36NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	36,000	
	Rated Capacity	Btu/h	33,400	
	Minimum Capacity	Btu/h	13,200	
	Maximum Power Input	W	3,110	
	Rated Power Input	W	2,770	
	Moisture Removal	Pints/h	12	
	Sensible Heat Factor	-	0.61	
Efficiency	Power Factor [208V / 230V]	%	98 / 98	
	SEER2		20.3	
	EER2 ¹		12	
Electrical	ENERGY STAR [®] Certified		Yes	
	Voltage, Phase, Frequency	V AC / V AC, , Hz	208 / 230, 1, 60	
	Guaranteed Voltage Range	V AC	198 - 264	
	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	
Indoor Unit	Recommended Wire Size [Indoor - Outdoor]	AWG	14	
	Fan Motor Output	W	69	
	Airflow Rate at Cooling, Dry	CFM	705, 810, 920	
	Sound Pressure Level [Cooling]	dB (A)	43, 46, 49	
	External Finish Color		0.7PB 9.2/0.4	
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	46-1/16 x 11-5/8 x 14-3/8 [1,170 x 295 x 365]	
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	51-3/16 x 14-3/16 x 18-9/16 [1,300 x 360 x 470]	
IDU Operating Temp. Range	Unit Weight	lbs [kg]	46 [21]	
	Package Weight	lbs [kg]	51 [23]	
	Fan Motor Type		DC Motor	
	Cooling Intake Air Temp [Maximum / Minimum]	°FDB, °FWB / °FDB, °FWB	90, 73 / 66, 59	
	Outdoor Unit	MCA	A	34
		MOCP	A	56
		Fan Motor Output	W	74
Airflow Rate Cooling		CFM	3,910	
Coating on Heat Exchanger (Bluefin, Sea Coast)			Yes, Yes	
Sound Pressure Level, Cooling ¹		dB (A)	52	
Compressor Type			Twin Rotary	
Compressor Model			MRB36FEGMC	
Compressor Oil [Type // Charge]		Type // oz	RM68EH // 45	
External Finish Color			Munsell No.3Y 7.8/1.1	
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 [1,050 x 355 x 1,338]	
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 [1,090 x 450 x 1,480]	
Unit Weight		lbs [kg]	224 [102]	
Package Weight	lbs [kg]	251 [114]		
ODU Operating Temp. Range	Cooling Intake Maximum Air Temp [Maximum / Minimum*]	°FDB	115 / 23	
	Type		R454B	
Refrigerant	Pre-Charged Refrigerant Amount	lbs, oz	9, 14	
	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]	
Piping	Liquid Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]	
	Maximum Piping Length	ft [m]	225 [69]	
	Maximum Height Difference	ft [m]	100 [30]	
	Maximum Number of Bends		15	

NOTES

- ¹Cooling at 95°F (Indoor: 80°F DB, 67°F WB // Outdoor: 95°F DB, 75°F WB)
- * Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):
- Wind baffles required to operate below 23°F DB in cooling mode.
- Cooling-only system with advanced wind baffle: -40°F - 115°F.
- Refer to wind baffle documentation for further information.
- ** Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures):

INDOOR UNIT ACCESSORIES: PKA-AK36NL

Wireless Remote Controller	Lockdown Bracket for Wireless Handheld Remote Controllers	RCMKP1CB
	RedLINK Wireless Remote Controller	MHK2
	Universal Wireless MA Handheld Remote Controller	PAR-FL32MA-E
	Universal Wireless Receiver for PAR-FL32MA-E	PAR-FA32MA-W
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
Wired Remote Controller	Deluxe Wired MA Remote Controller ¹	PAR-42MAAUB
	Simple Direct Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller ¹	PAC-YT53CRAU-J
	Touch MA Wired Remote Controller ¹	PAR-CT01MAU-SB
Power Supplies & Auxiliary Components	3-Pin Wiring Harness	PAC-715AD
	5-Pin Wiring Harness	PAC-725AD
Lineset	10 x 3/8 x 10 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-10
	100 x 3/8 x 100 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-100
	15 x 3/8 x 15 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-15
	30 x 3/8 x 30 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-30
	50 x 3/8 x 50 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-50
	65 x 3/8 x 65 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-65
Control Interface	Airzone Wired Blueface Controller Black	AZZBSBLUEZEROCN
	Airzone Wired Blueface Controller White	AZZBSBLUEZEROCB
	Airzone Wireless Lite Controller Black	AZZBSLITERN
	Airzone Wireless Lite Controller White	AZZBSLITERB
	Airzone Wireless Think Controller Black	AZZBSTHINKRN
	Airzone Wireless Think Controller White	AZZBSTHINKRB
	IT Extender for kumo station	PAC-WHS01IE-E
	kumo station for the Comfort app	PAC-WHS01HC-E
	Procon BACnet and Modbus Interface	PAC-UKPRC001-CN-1
	Thermostat Interface for 3rd Party Thermostats	PAC-US445CN-1
Wireless Interface Adapter for the Comfort app	PAC-USWHS002-WF-2	
Condensate	Blue Diamond Advanced Mini Condensate Pump w Reservoir Sensor 208230V recommended	X87-721
	Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH recommended	X87-711
	Blue Diamond MegaBlue Advanced Condensate Pump w Reservoir Sensor	X87-835
	Blue Diamond Sensor Extension Cable 15 Ft	C13-103
	Drain Pan Level SensorControl	SS610E
	Refco Condensate Pump 100-240 VAC	GOBI-II
	Refco Condensate Pump 100-240 VAC up to 120000 BTUH	COMBI
	Sauermann Condensate Pump	SI30-230
Drain Hose	Flexible Mini-Split Drain Hose	DRX-16
Remote Sensor	Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models	PAC-USSEN002-FM-1
	Wall Mount Remote Temperature Sensor	PAC-SE41TS-E
	Wireless temperature and humidity sensor for the Comfort app	PAC-USWHS003-TH-1
Disconnect Switch	30A600VUL fits 2 X 4 utility box - Black	TAZ-MS303
	30A600VUL fits 2 X 4 utility box - White	TAZ-MS303W
Power Supplies and Auxiliary Components	Backup Heat Relay Kit Adapter for CN24 or CN152 Connector	CN24RELAY-KIT-CM3
NOTES		

OUTDOOR UNIT ACCESSORIES: PUY-AK36NL

Snow/Rain Diverter	SnowRain Diverter	SRD-5
Mounting Pad	Condensing Unit Mounting Pad 24 x 42 x 3	ULTRILITE2
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 Cable250 ft roll	S144-250
	14 Gauge 4 wire MiniSplit Cable50 ft roll	S144-50
Stand	18 Dual Fan Stand	QSMS1802M
	24 Dual Fan Stand	QSMS2402M
	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	DSD-400P
	Outdoor Unit Stand 12 High	QSMS1202M
Control/Service Tool	ControlService Tool	PAC-SK52ST
	M- & P-Series Maintenance Tool Cable Set	M21EC0397
	Maintenance Tool Interface	PAC-USCMS-MN-1
Wind Baffle	Front Wind Baffle	WB-PA3 (two pieces are required)
	Rear Wind Baffle	WB-RE6
	Side Advanced Wind Baffle	WB-SD6
Drain Socket	Drain Socket	PAC-SG61DS-E
M-NET Converter	M-Net Interface for P-Series	PAC-SJ95MA-E
Power Supplies & Auxiliary Components	3-Pin Wiring Harness	PAC-715AD
	5-Pin Wiring Harness	PAC-725AD
Air Outlet Guide	Air Outlet Guide 1 Piece	PAC-SH96SG-E (two pieces are required)
NOTES		

INDOOR UNIT DIMENSIONS: PKA-AK36NL



