

PVA-AA60NL & PUZ-AK60NL
60,000 BTU/H MULTI-POSITION AIR HANDLER INDOOR UNIT
60,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit.....PVA-AA60NL

OUTDOOR Unit.....PUZ-AK60NL

INDOOR UNIT FEATURES

- Auto Changeover: The unit will automatically switch between heating and cooling modes to maintain your desired temperature.
- Light Commercial: Light commercial applications include small offices, restaurants, and retail.
- Three Speed Fan: Adjust the fan between three speed settings to optimal comfort.

OUTDOOR UNIT FEATURES

- 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.
- Inverter Driven Compressor: Inverter technology uses only the precise amount of energy needed to keep a space comfortable.
- Seacoast Protection: Designed to protect against the corrosive effects of environments that are in close proximity to the sea.

SPECIFICATIONS: PVA-AA60NL & PUZ-AK60NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	60,000
	Rated Capacity	Btu/h	60,000
	Minimum Capacity	Btu/h	18,500
	Maximum Power Input	W	6,070
	Rated Power Input	W	6,070
	Moisture Removal	Pints/h	14.30
	Sensible Heat Factor	-	0.74
Heating at 47F ²	Power Factor [208V / 230V]	% / %	99 / 99
	Maximum Capacity	Btu/h	66,500
	Rated Capacity	Btu/h	64,500
	Minimum Capacity	Btu/h	14,600
	Maximum Power Input	W	6,740
	Rated Power Input	W	6,590
	Power Factor [208V / 230V]	% / %	97 / 97
Heating at 17F ³	Maximum Capacity	Btu/h	42,500
	Rated Capacity	Btu/h	42,500
	Maximum Power Input	W	5,350
	Rated Power Input	W	5,350
Heating at 5F ⁵	Maximum Capacity	Btu/h	34,600
	Maximum Power Input	W	5,000
Heating at -4F ⁶	Maximum Capacity	Btu/h	31,000
Efficiency	SEER2		18.30
	EER2 ¹		9.80
	HSPF2 [IV]		8.40
	COP at 47°F ²		2.90
	COP at 17°F at Maximum Capacity ³		2.30
	COP at 5°F at Maximum Capacity ⁵		2
	COP at -4°F at Maximum Capacity ⁶		1.90
Electrical	ENERGY STAR® Certified		No
	Voltage, Phase, Frequency	V AC / V AC , ø , Hz	208 / 230 , 1 , 60
	Guaranteed Voltage Range	V AC - V AC	198 - 253
	Voltage: Indoor - Outdoor, S1-S2	V AC	IDU Powered Separately
	Voltage: Indoor - Outdoor, S2-S3	V DC	12-24
	Short-circuit Current Rating [SCCR]	kA	5
	Recommended Fuse/Breaker Size (Outdoor)	A	40
Indoor Unit	Recommended Wire Size [Indoor - Outdoor]	AWG	14
	MCA	A	9.3
	Fan Motor Output	W	750
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	1,155 , 1,400 , 1,650
	Airflow Rate at Heating, Dry	CFM	1,225 , 1,485 , 1,750
	Sound Pressure Level [Cooling]	dB (A)	48 , 55 , 56
	Sound Pressure Level [Heating]	dB (A)	48 , 55 , 56
	External Static Pressure	in.WG	0.30 , 0.50 , 0.80
	Drain Pipe Size O.D.	inch [mm]	3/4 [19.05]
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	25 x 21-5/8 x 59-1/2 [635 x 548 x 1,511]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	26 x 28-3/4 x 66 [660 x 730 x 1,675]
	Unit Weight	lbs [kg]	176 [80]
	Package Weight	lbs [kg]	200 [91]
IDU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum]	°FDB , °FWB / °FDB , °FWB	90 , 73 / 66 , 59
	Heating Intake Air Temp [Maximum / Minimum]	°FDB / °FDB	82 / 50

NOTES

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

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

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

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

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

• 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.

SPECIFICATIONS: PVA-AA60NL & PUZ-AK60NL

Outdoor Unit	MCA	A	38
	MOCP	A	67
	Fan Motor Output	W	213+213
	Airflow Rate Cooling	CFM	4,020
	Airflow Rate Heating	CFM	4,020
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling ¹	dB (A)	60
	Sound Pressure Level, Heating ²	dB (A)	62
	Compressor Type		Twin Rotary
	Compressor Model		MRB53FEJMC-L
	Compressor Oil [Type // Charge]	Type // oz	RM68EH // 60
	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 [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]
ODU Operating Temp. Range	Unit Weight	lbs [kg]	265 [120]
	Package Weight	lbs [kg]	291 [132]
	Cooling Intake Air Temp [Maximum / Minimum*]	°FDB / °FDB	115 / 23
Refrigerant	Heating Intake Air Temp [Maximum / Minimum]	°FDB , °FWB / °FDB , °FWB	70 , 59 / -4 , -4
	Heating Thermal Lock-out / Re-start Temperatures**	°FDB / °FDB	-13 / -4
	Type		R454B
Piping	Pre-Charged Refrigerant Amount	lbs , oz	11 , 7
	Maximum Pre-Charged Piping Length	ft [m]	100 [30]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0.60
Piping	Gas Pipe Size O.D. [Flared]	inch [mm]	3/4 [19.05]
	Liquid Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]
	Maximum Piping Length	ft [m]	245 [75]
	Maximum Height Difference	ft [m]	100 [30]
Piping	Maximum Number of Bends		15

NOTES

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

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

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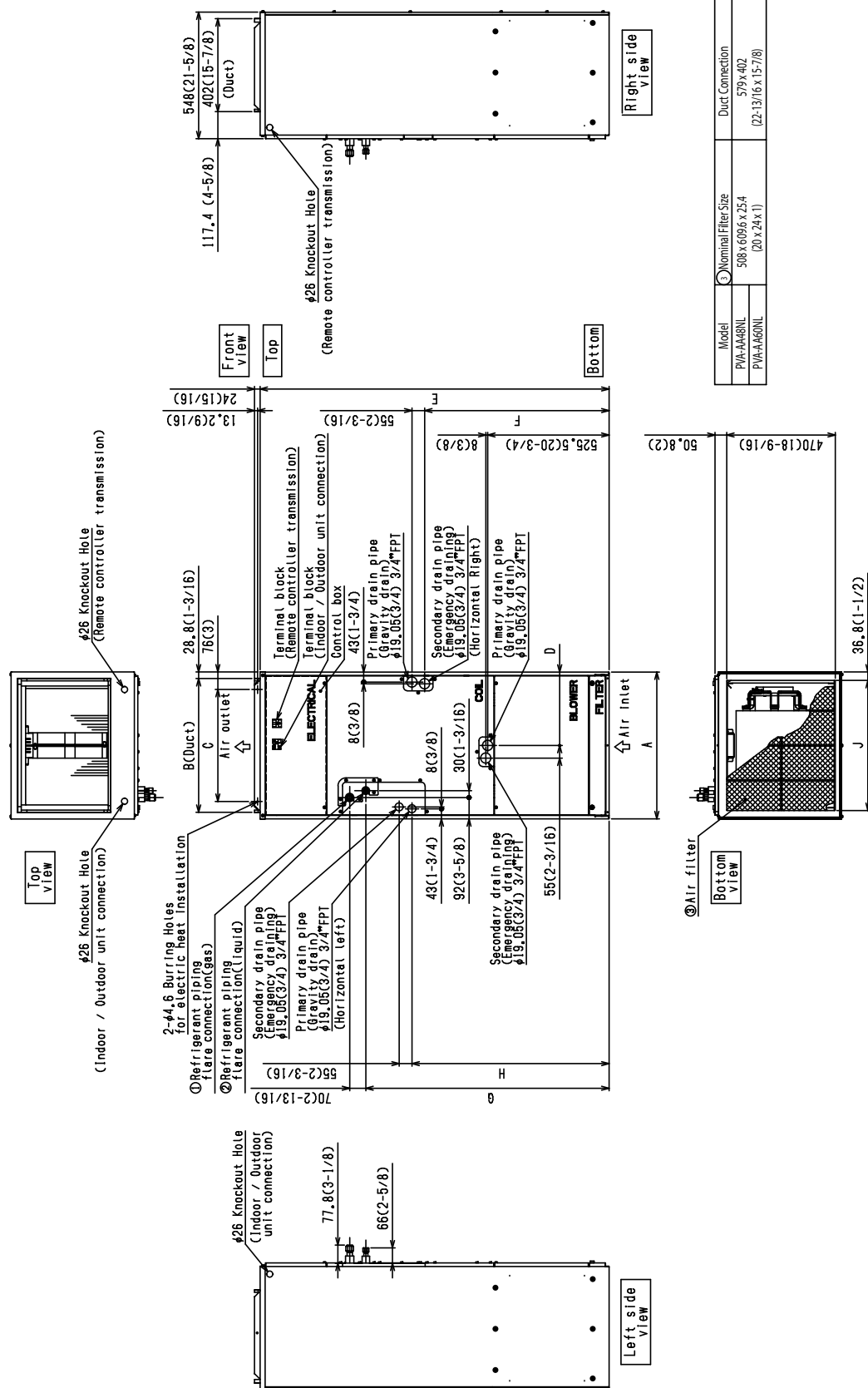
INDOOR UNIT ACCESSORIES: PVA-AA60NL

Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	X87-835
	Refco Condensate Pump 100-240V up to 120k BTU/h	COMBI
	Sauermann Condensate Pump	SI30-230
	Blue Diamond Sensor Extension Cable — 15 Ft.	C13-103
Control Interface	Airzone Wireless Lite Controller White	AZZBSLITERB
	kumo station® for Comfort app	PAC-WHS01HC-E
	Thermostat Interface for 3rd Party Thermostats	PAC-US445CN-1
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	Airzone Wireless Think Controller Black	AZZBSTHINKRN
	Airzone Wired Lite Controller White	AZZBSLITECB
	Airzone Wireless Think Controller White	AZZBSTHINKRB
	IT Extender	PAC-WHS01IE-E
	Wireless Interface 2 for Comfrot app	PAC-USWHS002-WF-2
	Operation and Error Status Output Adapter	PAC-SF40RM-E
	Airzone Wired Blueface Controller Black	AZZBSBLUEZEROCN
	Airzone Wired Blueface Controller White	AZZBSBLUEZEROCB
Control Wire	202PR shielded 1PR plenum wire for Airzone 500 ft reel	CW2042S2-500
	202PR 1PR shielded 1PR plenum wire for Airzone 100 ft reel	CW2042S2-100
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
	30A600VUL fits 2 X 4 utility box - Black	TAZ-MS303
Downflow Kit	Condensate Management Kit for downflow installation	CMA-1
Electric Heat Lockout	Electric Heat Lockout	ETC-211020-MIT
Electric Kit Heats	15kW Electric Heater Module - Large Cabinet	EH15-MPAS-LB
	19kW Electric Heater Module - Large Cabinet	EH19-MPAS-LB
	10kW Electric Heater Module - Large Cabinet	EH10-MPA-LB
	17.5kW Electric Heater Module - Large Cabinet	EH17-MPAS-LB
Lineset	15 x 3/8 x 15 x 3/4 Lineset Twin-Tube Insulation	MPLS383412T-15
	50 x 3/8 x 50 x 3/4 Lineset Twin-Tube Insulation	MPLS383412T-50
Power Supplies & Auxiliary Components	ERV On/Off Input Adapter for CNER on SVZ PEAD and PVA models	PAC-740
Remote Sensor	Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models	PAC-USSEN002-FM-1
	Wall Mounted Remote Temperature Sensor	PAC-SE41TS-E
	Wireless temperature and humidity sensor for Comfort app	PAC-USWHS003-TH-1
Terminal Block	Separate Terminal Power Block	SPTB1
Terminal Signal Adapter	3-Pin Connector	PAC-715AD
	CN24 Relay Kit	CN24RELAY-KIT-CM3
	Connector and wire for Operation status/error using CN51	PAC-725AD
Wired Remote Controller	Deluxe MA Wired Remote Controller	PAR-42MAAUB
	Simple Direct Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller	PAC-YT53CRAU-J
	Touch MA Controller†	PAR-CT01MAU-SB
Wireless Remote Controller	Lockdown Bracket for Wireless Handheld Remote Controllers	RCMKP1CB
	Universal Wireless Receiver for PAR-FL32MA-E	PAR-FA32MA-W
	Wireless MA Remote Controller	PAR-FL32MA-E
	Wireless Remote Controller	PAR-SL101A-E
	Wireless RedLINK™ Remote Controller	MHK2
NOTES †Unable to use with Wireless Handheld Remote Controller		

OUTDOOR UNIT ACCESSORIES: PUZ-AK60NL

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
	M- & P-Series Maintenance Tool Cable Set	M21EC0397
	ControlService Tool	PAC-SK52ST
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 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
	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	SW144-250
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
	18" Dual Fan Stand	QSMS1802M
	24" Dual Fan Stand	QSMS2402M
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	12" Dual Fan Stand	QSMS1202M
	Condenser Wall Bracket	QSWB2000M-1
Terminal Signal Adapter	3-Pin Connector	PAC-715AD
	Connector and wire for Operation status/error using CN51	PAC-725AD
Wind Baffle	Front Wind Baffle	WB-PA3 (two pieces required)
	Side Advanced Wind Baffle	WB-SD6
	Rear Wind Baffle	WB-RE6
NOTES		

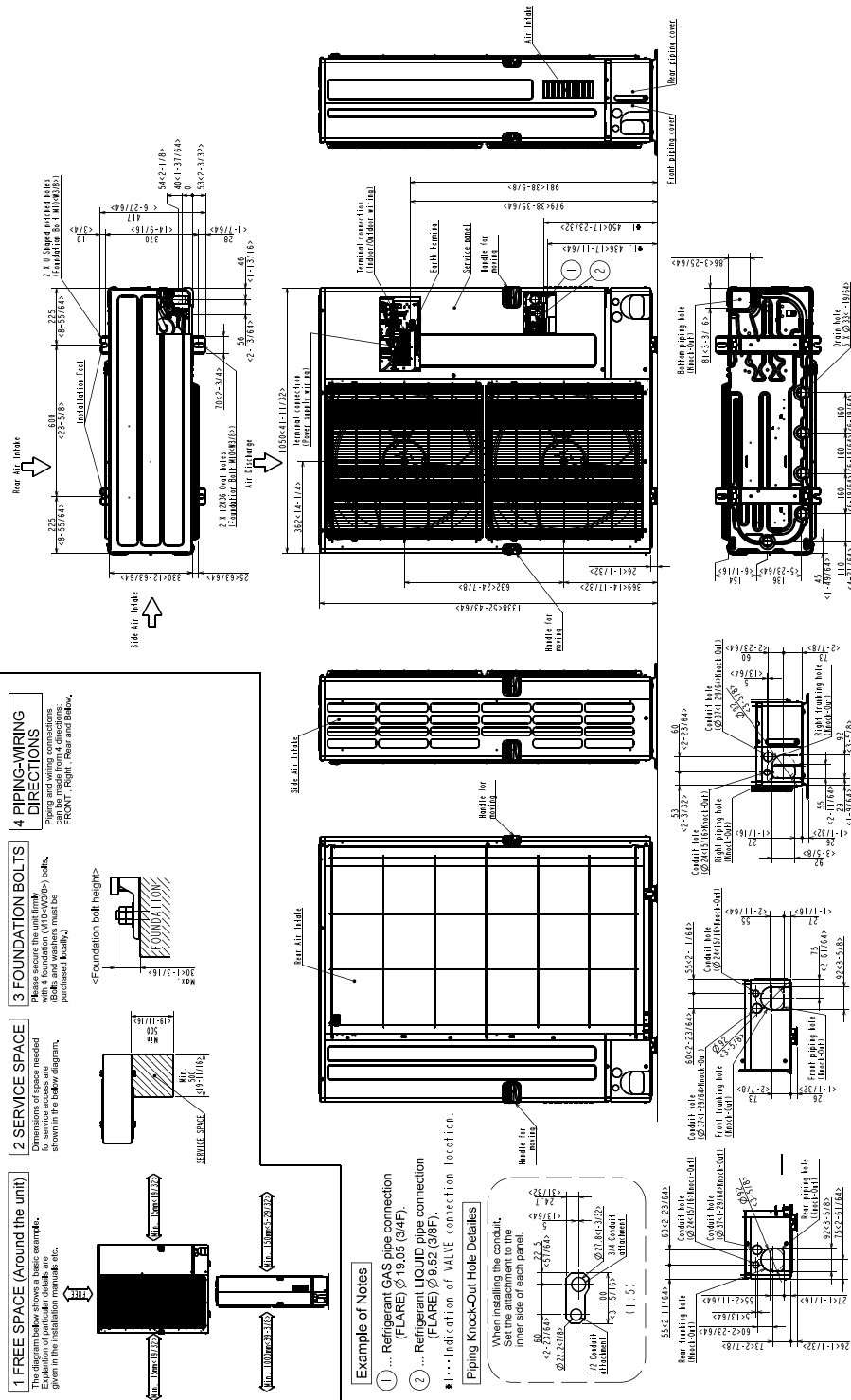
INDOOR UNIT DIMENSIONS: PVA-AA60NL



Model	Nominal Filter Size	Duct Connection
PVA-AA48NL	508 x 609.6 x 25.4 (20 x 24 x 1)	579 x 402 (22-13/16 x 15-7/8)
PVA-A60NL		

[illegible]

OUTDOOR UNIT DIMENSIONS: PUZ-AK60NL



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