

PEAD-AA18NL & PUZ-AK18NL
18,000 BTU/H HORIZONTAL-DUCTED INDOOR UNIT
18,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit.....PEAD-AA18NL

OUTDOOR Unit.....PUZ-AK18NL

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.
- Multi Zone: A multi-zone unit provides personalized comfort control to multiple spaces.

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: PEAD-AA18NL & PUZ-AK18NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	18,500
	Rated Capacity	Btu/h	18,000
	Minimum Capacity	Btu/h	4,700
	Maximum Power Input	W	1,590
	Rated Power Input	W	1,530
	Moisture Removal	Pints/h	5.90
	Sensible Heat Factor	-	0.65
Heating at 47F ²	Power Factor [208V / 230V]	% / %	92 / 92
	Maximum Capacity	Btu/h	22,000
	Rated Capacity	Btu/h	22,000
	Minimum Capacity	Btu/h	4,200
	Maximum Power Input	W	1,900
	Rated Power Input	W	1,900
	Power Factor [208V / 230V]	% / %	95 / 95
Heating at 17F ³	Maximum Capacity	Btu/h	11,600
	Rated Capacity	Btu/h	11,600
	Maximum Power Input	W	1,380
	Rated Power Input	W	1,380
Heating at 5F ⁵	Maximum Capacity	Btu/h	9,100
	Maximum Power Input	W	1,270
Heating at -4F ⁶	Maximum Capacity	Btu/h	8,000
Efficiency	SEER2		20.10
	EER2 ¹		11.70
	HSPF2 [IV]		8.80
	COP at 47°F ²		3.40
	COP at 17°F at Maximum Capacity ³		2.40
	COP at 5°F at Maximum Capacity ⁵		2.10
	COP at -4°F at Maximum Capacity ⁶		1.96
Electrical	ENERGY STAR® Certified		Yes
	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	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	12-24
	Short-circuit Current Rating [SCCR]	kA	5
	Recommended Fuse/Breaker Size (Outdoor)	A	20
Indoor Unit	Recommended Wire Size [Indoor - Outdoor]	AWG	14
	MCA	A	2.25
	Fan Motor Output	W	121
	Airflow Rate at Cooling, Dry	CFM	403 , 424 , 512 , 600
	Airflow Rate at Heating, Dry	CFM	403 , 424 , 512 , 600
	Sound Pressure Level [Cooling]	dB (A)	28 , 29 , 34 , 37
	Sound Pressure Level [Heating]	dB (A)	28 , 29 , 34 , 37
	External Static Pressure	in.WG	0.14 , 0.20 , 0.28 , 0.40 , 0.60
	Drain Pipe Size O.D.	inch [mm]	1-1/4 [32]
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	35-7/16 x 28-7/8 x 9-7/8 [900 x 732 x 250]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	46-1/8 x 35-7/16 x 13 [1,170 x 900 x 330]
	Unit Weight	lbs [kg]	60 [27]
	Package Weight	lbs [kg]	71 [32]
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)

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)

*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: PEAD-AA18NL & PUZ-AK18NL

Outdoor Unit	MCA	A	16
	MOCP	A	27
	Fan Motor Output	W	51
	Airflow Rate Cooling	CFM	1,590
	Airflow Rate Heating	CFM	1,590
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling ¹	dB (A)	44
	Sound Pressure Level, Heating ²	dB (A)	46
	Compressor Type		Twin Rotary
	Compressor Model		SRB140FQHMC-L1
	Compressor Oil [Type // Charge]	Type // oz	RM68EH // 16
	External Finish Color		Munsell 3Y 7.8/1.1
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	34-19/64 x 11-13/16 x 24-13/16 [871 x 300 x 630]
ODU Operating Temp. Range	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	37-1/16 x 16-3/16 x 32-1/4 [941 x 411 x 819]
	Unit Weight	lbs [kg]	99 [45]
	Package Weight	lbs [kg]	112.44 [51]
	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	4 , 6
	Maximum Pre-Charged Piping Length	ft [m]	100 [30]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0
	Gas Pipe Size O.D. [Flared]	inch [mm]	1/2 [12.72]
Fan	Liquid Pipe Size O.D. [Flared]	inch [mm]	1/4 [6.35]
	Maximum Piping Length	ft [m]	100 [30]
	Maximum Height Difference	ft [m]	100 [30]
	Maximum Number of Bends		15
Fan		Fan Motor Type	DC Motor
NOTES ¹ Cooling at 95°F (Indoor: 80°F DB, 67°F WB // Outdoor: 95°F DB, 75°F WB) ² Heating at 47°F (Indoor: 70°F DB, 60°F WB // Outdoor: 47°F DB, 43°F WB) ³ Heating at 17°F (Indoor: 70°F DB, 60°F WB // Outdoor: 17°F DB, 15°F WB) ⁴ Heating at 5°F (Indoor: 70°F DB, 60°F WB // Outdoor: 5°F DB, 4°F WB) ⁵ Heating 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.			

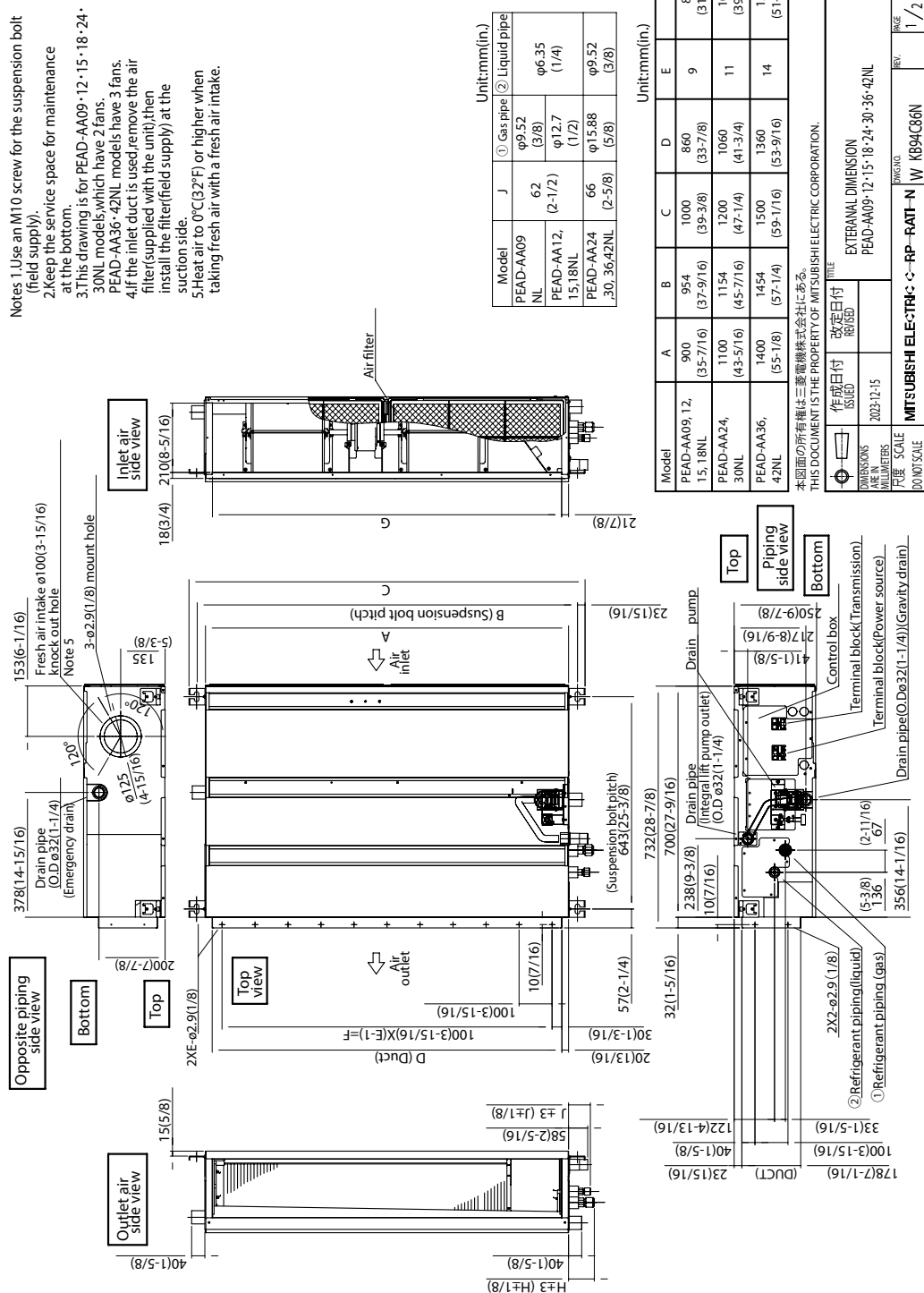
INDOOR UNIT ACCESSORIES: PEAD-AA18NL

Condensate	Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH 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 Sensor Extension Cable 15 Ft	C13-103
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	SI30-230
	Blue Diamond Advanced Mini Condensate Pump w Reservoir Sensor 208230V recommended	X87-721
	Blue Diamond MicroBlue Condensate Pump 115-230V up to 18k BTU/h	X86-003
Control Interface	Airzone Wireless Think Controller Black	AZZBSTHINKRN
	Airzone Wired Blueface Controller White	AZZBSBLUEZEROCB
	Airzone Wired Blueface Controller Black	AZZBSBLUEZEROCN
	Operation and Error Status Output Adapter	PAC-SF40RM-E
	Airzone Wireless Think Controller White	AZZBSTHINKRB
	Wireless Interface 2 for Comfrot app	PAC-USWHS002-WF-2
	Thermostat Interface for 3rd Party Thermostats	PAC-US445CN-1
	Airzone Wireless Lite Controller White	AZZBSLITERB
	Airzone Wireless Lite Controller Black	AZZBSLITERN
	IT Extender	PAC-WHS01IE-E
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
Control Wire	kumo station® for Comfort app	PAC-WHS01HC-E
	202PR 1PR shielded 1PR plenum wire for Airzone 100 ft reel	CW2042S2-100
	202PR shielded 1PR plenum wire for Airzone 500 ft reel	CW2042S2-500
Disconnect Switch	30A600VUL fits 2 X 4 utility box - White	TAZ-MS303W
	30A600VUL fits 2 X 4 utility box - Black	TAZ-MS303
Filter Box	Filter Box with 2" thick pleated MERV 13 Filters	FBM2-2-A
Lineset	1/4 x 1/2 Lineset Twin-Tube Insulation - 65 feet	MLS141212T-65
	1/4 x 1/2 Lineset Twin-Tube Insulation - 50 feet	MLS141212T-50
	1/4 x 1/2 Lineset Twin-Tube Insulation - 30 feet	MLS141212T-30
	1/4 x 1/2 Lineset Twin-Tube Insulation - 15 feet	MLS141212T-15
	1/4 x 1/2 Lineset Twin-Tube Insulation - 100 feet	MLS141212T-100
Remote Sensor	Wall Mounted Remote Temperature Sensor	PAC-SE41TS-E
	Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models	PAC-USSEN002-FM-1
	Wireless temperature and humidity sensor for Comfort app	PAC-USWHS003-TH-1
Terminal Signal Adapter	Backup Heat Relay Kit	CN24RELAY-KIT-CM3
	Connector and wire for On/Off and Error status using CN51 and CN52	PAC-725AD
	Connector and wire for On/Off and Fan command using CN32	PAC-715AD
Wired Remote Controller	Touch MA Remote Controller	PAR-CT01MAU-SB
	Simple Direct Wired Remote Controller	PAC-SDW01RC-1
	Deluxe MA Wired Remote Controller	PAR-42MAAUB
	Simple MA Remote Controller	PAC-YT53CRAU-J
Wireless Remote Controller	Wireless Universal Handheld Remote Controller (requires PAR-SA9CA-E)	PAR-SL101A-E
	Lockdown Bracket for Wireless Handheld Remote Controllers	RCMKP1CB
	Wireless RedLINK™ Remote Controller	MHK2
	Wireless MA Handheld Remote Controller (requires PAR-FA32MA-E)	PAR-FL32MA-E
	Universal Wireless Receiver for PAR-FL32MA-E	PAR-FA32MA-W
NOTES ¹ Unable to use with Wireless Handheld Remote Controller		

OUTDOOR UNIT ACCESSORIES: PUZ-AK18NL

Air Outlet Guide	Air Outlet Guide	PAC-SJ07SG-E
Centralized Drain Pan	Centralized Drain Pan	PAC-SG63DP-E
Control/Service Tool	ControlService Tool	PAC-SK52ST
	M- & P-Series Maintenance Tool Cable Set	M21EC0397
	Maintenance Tool Interface	PAC-USCMS-MN-1
DSD-400P	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	DSD-400P
Drain Socket	Drain Socket	MAC-871DS
Hail Guards	Hail Guard	HG-A5
M-NET Converter	M-Net Interface for P-Series	PAC-SJ96MA-E
Mini-Split Wire	14 Gauge 4 wire MiniSplit Cable250 ft roll	S144-250
	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	SW144-50
	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	SW144-250
	14 Gauge 4 wire MiniSplit Cable50 ft roll	S144-50
Mounting Pad	Condensing Unit Mounting Pad 16 x 36 x 3	ULTRILITE1
Snow/Rain Diverter	SnowRain Diverter	SRD-2
Stand	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	18 Single Fan Stand	QSMS1801M
	24 Single Fan Stand	QSMS2401M
	Outdoor Unit Stand 12 High	QSMS1201M
Terminal Signal Adapter	Connector and wire for On/Off and Fan command using CN32	PAC-715AD
	Connector and wire for On/Off and Error status using CN51 and CN52	PAC-725AD
Wind Baffle	Side Advanced Wind Baffle	WB-SD4
	Rear Wind Baffle	WB-RE4
	Front Wind Baffle	WB-PA4
NOTES		

INDOOR UNIT DIMENSIONS: PEAD-AA18NL



Specifications are subject to change without notice.

© 2025 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

METUS_2025-12_PROPIN

