

PEAD-AA18NL
18,000 BTU/H HORIZONTAL-DUCTED INDOOR UNIT



Job Name:

System Reference:

Date:



GENERAL FEATURES

- Light Commercial: Light commercial applications include small offices, restaurants, and retail.
- Four Speed Fan: Adjust the fan between four speed settings to optimal comfort.
- Auto Changeover: The unit will automatically switch between heating and cooling modes to maintain your desired temperature.
- Condensate Lift Mechanism: A built-in condensate lift mechanism removes water that is collected during operation and reduces the need for an additional pump to remove condensate water.

SPECIFICATIONS			SYSTEM
UNIT TYPE			PEAD-AA18NL
Cooling Capacity (Nominal) ^{1,3}	Cooling Capacity (Nominal)	Btu/h	18000
Heating Capacity (Nominal) ^{2,3}	Heating Capacity (Nominal)	Btu/h	18000
Electrical	Voltage, Phase, Frequency	V AC / V AC , ϕ , Hz	208 / 230 , 1 , 60
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	12-24
Indoor Unit	MCA	A	2.25
	MOCP	A	15
	Fan Motor Type		DC Motor
	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
	Dual Barrier Coating on Heat Exchanger		No
	Dual Barrier Coating on Fan		No
	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 [1170 x 900 x 330]
	Unit Weight	lbs [kg]	60 [27]
	Package Weight	lbs [kg]	71 [32]
Refrigerant	Type		R454B
Piping	Liquid Pipe Size O.D.	inch [mm]	1/4 [6.35]
	Gas Pipe Size O.D.	inch [mm]	1/2 [12.7]
Indoor Unit	Drain Pipe Size O.D.	inch [mm]	1-1/4 [32]

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

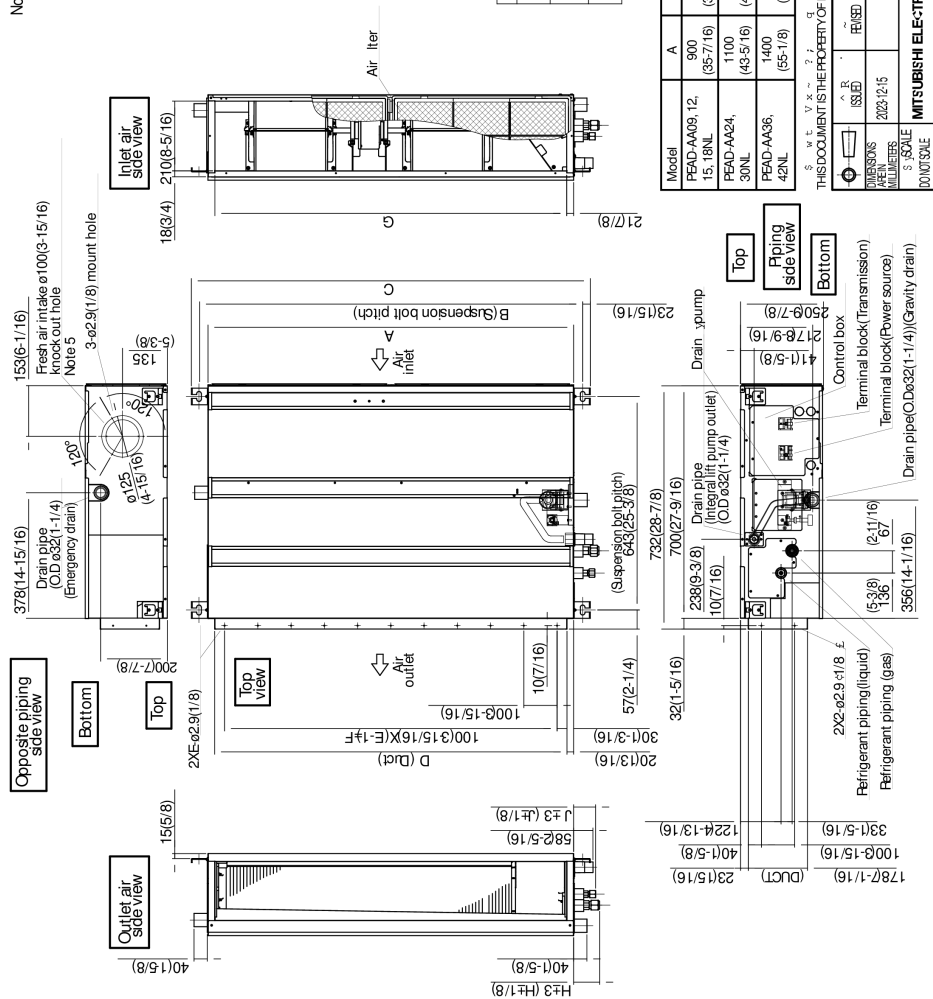
³Nominal capacity only. Actual capacity output varies based on the system specific configuration

INDOOR UNIT ACCESSORIES: PEAD-AA18NL

Condensate	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
	Refco Condensate Pump 100-240V up to 120k BTU/h	☐ COMBI
	Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	☐ X88-721
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	☐ SI30-230
	Blue Diamond (MaxiBlue Advanced) Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H [recommended]	☐ X87-711
	Blue Diamond MicroBlue Condensate Pump 115-230V up to 18k BTU/h	☐ X86-003
Control Interface	Airzone Wired Blueface Controller White	☐ AZZBSBLUEZEROCB
	Wireless Interface 2 for Comfrot app	☐ PAC-USWHS002-WF-2
	Airzone Wireless Lite Controller White	☐ AZZBSLITERB
	Airzone Wireless Lite Controller Black	☐ AZZBSLITERN
	Procon BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	Airzone Wireless Think Controller White	☐ AZZBSTHINKRB
	Airzone Wired Blueface Controller Black	☐ AZZBSBLUEZEROCN
	Thermostat Interface for 3rd Party Thermostats	☐ PAC-US445CN-1
	IT Extender	☐ PAC-WHS01IE-E
	Airzone Wireless Think Controller Black	☐ AZZBSTHINKRN
	Operation and Error Status Output Adapter	☐ PAC-SF40RM-E
	kumo station® for Comfort app	☐ PAC-WHS01HC-E
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	30A600VUL fits 2 X 4 utility box - Black	☐ TAZ-MS303
	(30A/600V/UL) [fits 2" X 4" utility box] - White	☐ TAZ-MS303W
Filter Box	Filter Box with 2" thick pleated MERV 13 Filters	☐ FBM2-2-A
Lineset	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
	1/4 x 1/2 Lineset Twin-Tube Insulation - 30 feet	☐ MLS141212T-30
	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
N/A		☐ Unknown
Remote Sensor	Wireless temperature and humidity sensor for Comfort app	☐ PAC-USWHS003-TH-1
	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
Terminal Signal Adapter	3-Pin Wiring Harness	☐ PAC-715AD
	5-Pin Wiring Harness	☐ PAC-725AD
	Backup Heat Relay Kit	☐ CN24RELAY-KIT-CM3
Wired Remote Controller	Touch MA Remote Controller	☐ PAR-CT01MAU-SB
	Deluxe MA Wired Remote Controller	☐ PAR-42MAAUB
	Simple Direct Wired Remote Controller	☐ PAC-SDW01RC-1
	Simple MA Remote Controller	☐ PAC-YT53CRAU-J
Wireless Remote Controller	Universal Wireless Receiver for PAR-FL32MA-E	☐ PAR-FA32MA-W
	Wireless MA Handheld Remote Controller (requires PAR-FA32MA-E)	☐ PAR-FL32MA-E
	Wireless Remote Controller	☐ PAR-SL101A-E
	Lockdown Bracket for Wireless Handheld Remote Controllers	☐ RCMKP1CB
	Wireless RedLINK™ Remote Controller	☐ MHK2
Notes		

INDOOR UNIT DIMENSIONS: PEAD-AA18NL

- Notes 1. Use an M10 screw for the suspension bolt (old supply).
2. Keep the service space for maintenance at the bottom.
3. This drawing is for PEAD-AA09 12 15 18 24 30NL models which have 2 fans.
PEAD-AA36 42NL models have 3 fans.
4. If the inlet duct is used, remove the air filter (supplied with the unit), then install the filter (old supply) at the suction side.
5. Heat air to 70°C (32°F) or higher when taking fresh air with a fresh air intake.



Model	J	Gas pipe	Liquid pipe
PEAD-AA09 12, 15, 18NL	62 (2-1/2)	φ9.52 (3/8)	φ6.35 (1/4)
PEAD-AA24 30NL	66 (2-5/8)	φ12.7 (1/2)	φ9.52 (3/8)
PEAD-AA36 42NL	66 (2-5/8)	φ15.88 (5/8)	φ9.52 (3/8)

Model	A	B	C	D	E	F	G	H
PEAD-AA09 12, 15, 18NL	900 (35-7/16)	954 (37-9/16)	1000 (39-3/8)	860 (33-7/8)	9 (31-1/2)	800 (31-13/16)	858 (33-13/16)	72 (2-7/8)
PEAD-AA24 30NL	1100 (43-3/16)	1154 (45-7/16)	1200 (47-1/4)	1060 (41-3/4)	11 (39-3/8)	1000 (41-11/16)	1058 (41-11/16)	78 (3-1/8)
PEAD-AA36 42NL	1400 (55-1/8)	1454 (57-1/4)	1500 (59-1/16)	1360 (53-9/16)	14 (51-3/16)	1300 (51-3/16)	1358 (53-1/2)	

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Model	Model	Model	Model	Model	Model	Model	Model	Model	Model
PEAD-AA09 12, 15, 18NL	PEAD-AA24 30NL	PEAD-AA36 42NL	PEAD-AA09 12, 15, 18NL	PEAD-AA24 30NL	PEAD-AA36 42NL	PEAD-AA09 12, 15, 18NL	PEAD-AA24 30NL	PEAD-AA36 42NL	PEAD-AA09 12, 15, 18NL
2023/2/5	2023/2/5	2023/2/5	2023/2/5	2023/2/5	2023/2/5	2023/2/5	2023/2/5	2023/2/5	2023/2/5
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2

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