

PEAD-AA09NL & SUZ-AA09NL
9,000 BTU/H HORIZONTAL-DUCTED INDOOR UNIT
9,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... PEAD-AA09NL
OUTDOOR Unit ... SUZ-AA09NL

INDOOR UNIT FEATURES

- Wi-Fi Optional: A Wireless Interface Adapter can be ordered as an accessory for field installation.
- 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: Reduces the need for an additional pump to remove condensate. Units with a condensate lift mechanism also include an overflow safety switch.
- Light Commercial: Light commercial applications include small offices, restaurants, and retail.

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: 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.

SPECIFICATIONS: PEAD-AA09NL & SUZ-AA09NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	9000
	Rated Capacity	Btu/h	9000
	Minimum Capacity	Btu/h	1900
	Maximum Power Input	W	680
	Rated Power Input	W	680
	Moisture Removal	Pints/h	0.40
	Sensible Heat Factor		0.95
Heating at 47F ²	Power Factor [208V / 230V]	%	85 / 85
	Maximum Capacity	Btu/h	13000
	Rated Capacity	Btu/h	12000
	Minimum Capacity	Btu/h	4800
	Maximum Power Input	W	1060
	Rated Power Input	W	950
Heating at 17F ³	Power Factor [208V / 230V]	%	88 / 88
	Maximum Capacity	Btu/h	7800
	Rated Capacity	Btu/h	7800
	Maximum Power Input	W	770
Heating at 5F ⁵	Rated Power Input	W	770
	Maximum Capacity	Btu/h	6200
Heating at -4F ⁶	Maximum Power Input	W	606
Efficiency	Maximum Capacity	Btu/h	5200
	SEER2		18.80
	EER2 ¹		13.20
	HSPF2 [IV]		11.50
	COP at 47°F ²		3.70
	COP at 17°F at Maximum Capacity ³		2.90
	COP at 5°F at Maximum Capacity ⁵		3
Electrical	COP at -4°F at Maximum Capacity ⁶		2.30
	ENERGY STAR® Certified		Yes
	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
Indoor Unit	Recommended Fuse/Breaker Size (Outdoor)	A	15
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
	MCA	A	2.13
	Fan Motor Output	W	121
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	265 , 283 , 318 , 353
	Airflow Rate at Heating, Dry	CFM	265 , 283 , 318 , 353
	Sound Pressure Level [Cooling]	dB (A)	25 , 26 , 28 , 31
	Sound Pressure Level [Heating]	dB (A)	25 , 26 , 28 , 31
	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]
	Condensate Lift Mechanism, Max Height	inch [mm]	27-9/16 [700]
	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]	58 [26]
	Package Weight	lbs [kg]	68 [31]
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	83 / 50
Outdoor Unit	MCA	A	13
	MOCP	A	22
	Fan Motor Output	W	55

Notes

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

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]): • Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

**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.

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

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

*Use 1/4 liquid line for SUZ-AA24/30/36NL, adapter is included with the outdoor unit

SPECIFICATIONS: PEAD-AA09NL & SUZ-AA09NL

Outdoor Unit	Airflow Rate Cooling	CFM	1229
	Airflow Rate Heating	CFM	1172
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling ¹	dB (A)	48
	Sound Pressure Level, Heating ²	dB (A)	50
	Compressor Type		Twin Rotary
	Compressor Model		SRB092FQFMC
	Compressor Oil [Type // Charge]	// oz	RM68EH // 11.8
	External Finish Color		Munsell No.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]	31-1/2 x 11-1/4 x 21-5/8 [800 x 285 x 550]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	37-1/16 x 15 x 24-13/16 [940 x 380 x 630]
	Unit Weight	lbs [kg]	81 [37]
	Package Weight	lbs [kg]	88.18 [40]
ODU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum*]	°FDB	115 / 14
	Cooling Thermal Lock-out / Re-start Temperatures**	°FDB	-1 / 3
	Heating Intake Air Temp [Maximum / Minimum]	°FDB , °FWB / °FDB , °FWB	75 , 65 / -4 , -5
	Heating Thermal Lock-out / Re-start Temperatures**	°FDB	-14 / -4
Refrigerant	Type		R454B
	Pre-Charged Refrigerant Amount	lbs	2
	Maximum Pre-Charged Piping Length	ft [m]	65 [7.60]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0
Piping	Liquid Pipe Size O.D. [Flared]	inch [mm]	1/4 [6.35]
	Gas Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]
	Maximum Piping Length	ft [m]	65 [20]
	Maximum Height Difference	ft [m]	40 [12]
	Maximum Number of Bends		10

Notes

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

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

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INDOOR UNIT ACCESSORIES: PEAD-AA09NL

Condensate	Sauermann Condensate Pump 120-230V up to 60k BTU/h	☐	SI30-230
	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
	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	☐	X87-835
	Blue Diamond MicroBlue Mini Condensate Pump 110208230V up to 18000 BTUH	☐	X86-003
	Blue Diamond Sensor Extension Cable 15 Ft	☐	C13-103
	Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH recommended	☐	X87-711
Control Interface	Airzone Wireless Lite Controller White	☐	AZZBSLITERB
	Airzone Wired Blueface Controller White	☐	AZZBSBLUEZEROCB
	Airzone Wireless Think Controller White	☐	AZZBSTHINKRB
	IT Extender	☐	PAC-WHS01IE-E
	kumo station® for Comfort app	☐	PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	☐	PAC-UKPRC001-CN-1
	Operation and Error Status Output Adapter	☐	PAC-SF40RM-E
	Wireless Interface 2 for Comfrot app	☐	PAC-USWHS002-WF-2
	Thermostat Interface for 3rd Party Thermostats	☐	PAC-US445CN-1
	Airzone Wireless Think Controller Black	☐	AZZBSTHINKRN
	Airzone Wired Blueface Controller Black	☐	AZZBSBLUEZEROCN
Control Wire	Airzone Wireless Lite Controller Black	☐	AZZBSLITERN
	202PR 1PR shielded 1PR plenum wire for Airzone 100 ft reel	☐	CW2042S2-100
Disconnect Switch	202PR shielded 1PR plenum wire for Airzone 500 ft reel	☐	CW2042S2-500
	30A600VUL fits 2 X 4 utility box - White	☐	TAZ-MS303W
Filter Box	30A600VUL fits 2 X 4 utility box - Black	☐	TAZ-MS303
	Filter Box with 2" thick pleated MERV 13 Filters	☐	FBM2-2-A
Lineset	30 x 1/4 x 30 3/8 Lineset Twin-Tube Insulation	☐	MLS143812T-30
	50 x 1/4 x 50 3/8 Lineset Twin-Tube Insulation	☐	MLS143812T-50
	15 x 1/4 x 15 3/8 Lineset Twin-Tube Insulation	☐	MLS143812T-15
	65 x 1/4 x 65 3/8 Lineset Twin-Tube Insulation	☐	MLS143812T-65
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 Comfort app	☐	PAC-USWHS003-TH-1
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
	Backup Heat Relay Kit	☐	CN24RELAY-KIT-CM3
Wired Remote Controller	Touch MA Remote Controller	☐	PAR-CT01MAU-SB
	Simple MA Remote Controller	☐	PAC-YT53CRAU-J
	Deluxe Wired MA Remote Controller	☐	PAR-42MAAUB
	Simple Direct Wired Remote Controller	☐	PAC-SDW01RC-1
Wireless Remote Controller	Lockdown Bracket for Wireless Handheld Remote Controllers	☐	RCMKP1CB
	Wireless RedLINK™ Remote Controller	☐	MHK2
	Universal Wireless Receiver for PAR-FL32MA-E	☐	PAR-FA32MA-W
	Wireless Remote Controller	☐	PAR-SL101A-E
	Wireless MA Handheld Remote Controller (requires PAR-FA32MA-E)	☐	PAR-FL32MA-E

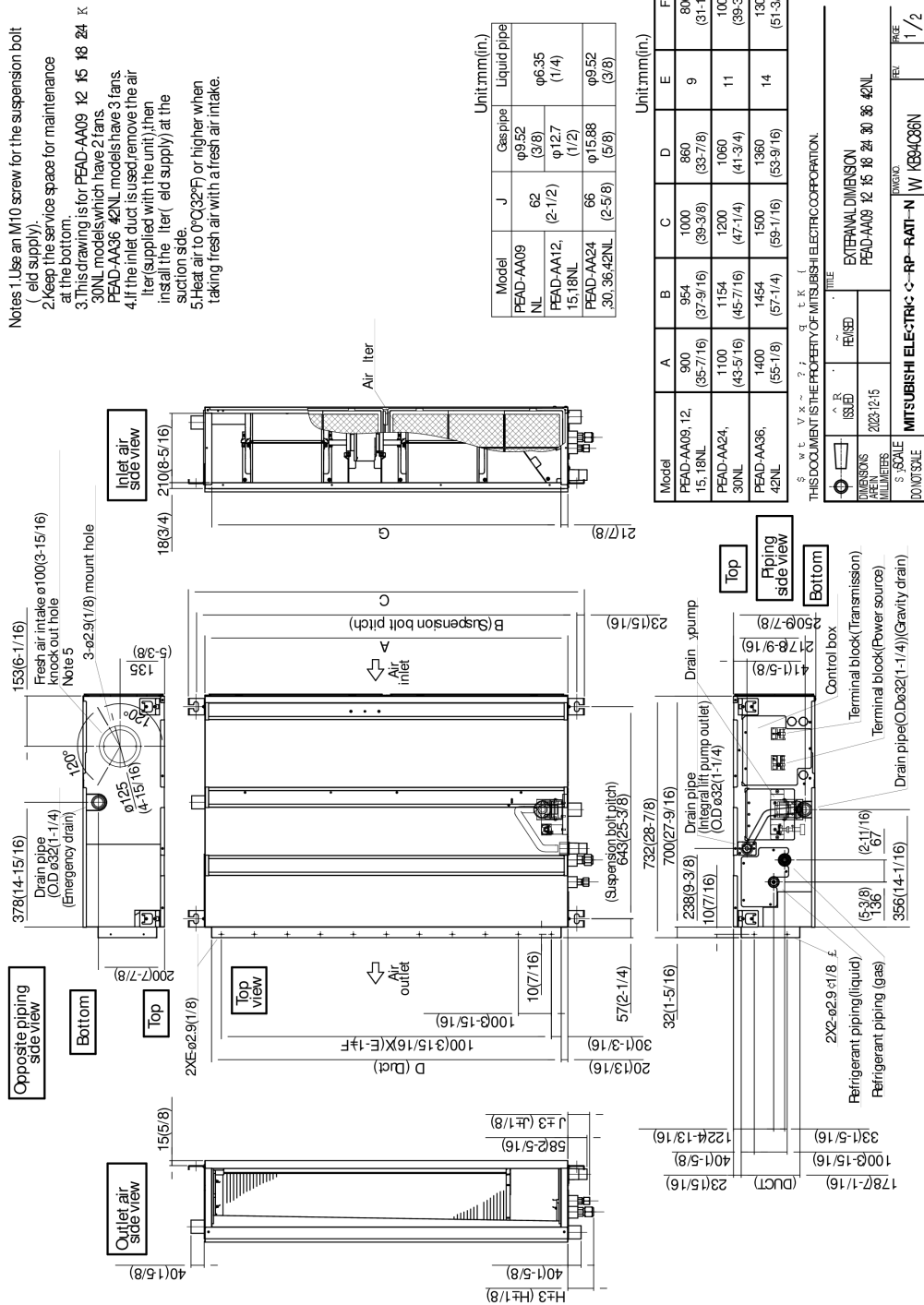
Notes

- ¹Unable to use with Wireless Handheld Remote Controller
¹Requires MAC-334IF-E Interface to connect MA controller

OUTDOOR UNIT ACCESSORIES: SUZ-AA09NL

Air Outlet Guide	Air Outlet Guide	☐	MAC-881SG-E
Centralized Drain Pan	Centralized Drain Pan	☐	PAC-SG63DP-E
Control/Service Tool	Maintenance Tool Interface	☐	PAC-USCMS-MN-1
	M- & P-Series Maintenance Tool Cable Set	☐	M21EC0397
Drain Socket	Drain Socket	☐	MAC-871DS
Hail Guards	Hail Guard	☐	HG-B4
Mini-Split Wire	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
	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW144-50
Mounting Pad	Condensing Unit Mounting Pad 16 x 36 x 3	☐	ULTRILITE1
Muffler	Muffler	☐	MAC-001MF-E
Optional Defrost Heater	Base Heater	☐	MAC-650BH-U
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-1
Stand	Condenser Wall Bracket - Stainless Steel Finish	☐	QSWBSS
	Outdoor Unit Stand 12 High	☐	QSMS1201M
	18 Single Fan Stand	☐	QSMS1801M
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
	24 Single Fan Stand	☐	QSMS2401M
	Condenser Wall Bracket	☐	QSWB2000M-1
Notes			

INDOOR UNIT DIMENSIONS: PEAD-AA09NL



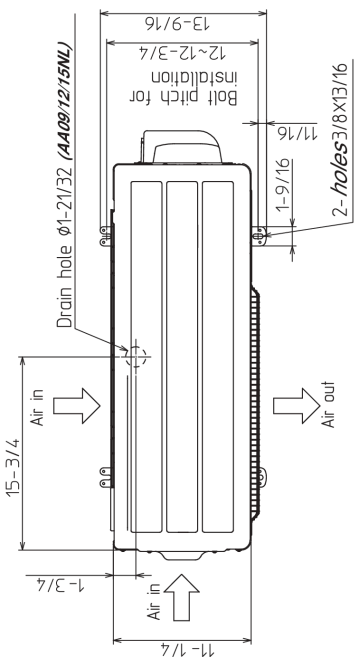
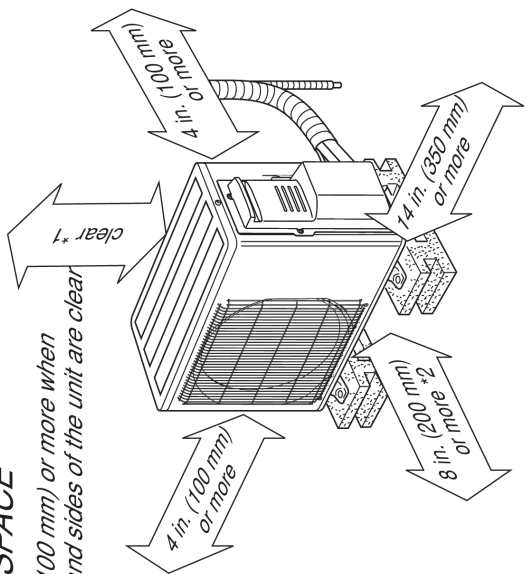
Model	A	B	C	D	E	F	G	H
PEAD-AA09, 15, 18NL	900 (37-9/16)	954 (37-9/16)	1000 (39-3/8)	860 (33-7/8)	9	800 (31-1/2)	888 (33-13/16)	72 (2-7/8)
PEAD-AA24, 30NL	1100 (43-5/16)	1154 (45-7/16)	1200 (47-1/4)	1060 (41-3/4)	11	1000 (39-3/8)	1058 (41-11/16)	78 (3-1/8)
PEAD-AA36, 42NL	1400 (55-1/8)	1454 (57-1/4)	1500 (59-1/16)	1360 (53-9/16)	14	1300 (51-3/4)	1358 (53-1/2)	

		TITLE	
DIMENSIONS MILLIMETERS		REVISION	
DATE 2023/12/15		EXTERNAL DIMENSION PE1D-AA09 12 15 24 30 35 42NL	
SCALE DO NOT SCALE		DRAWING NO. W 4834036N	
PART NAME MITSUBISHI ELE-TRIC C- RP-RATI-N		PAGE 1/2	

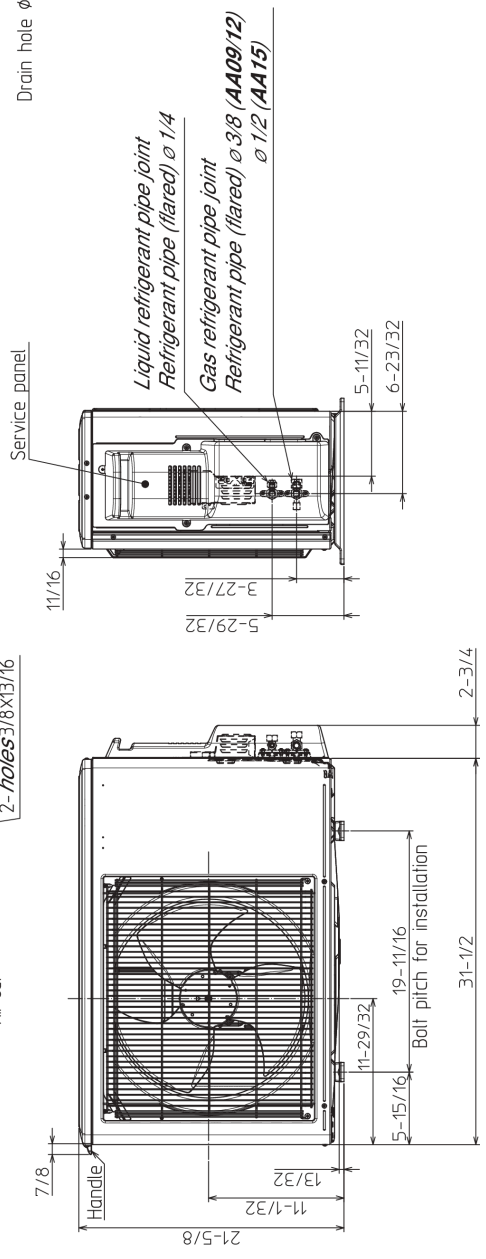
OUTDOOR UNIT DIMENSIONS: SUZ-AA09NL

REQUIRED SPACE

*1 4 in. (100 mm) or more when front and sides of the unit are clear



Drain hole ϕ 1-5/16 (KA09/12/15NAH)



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