

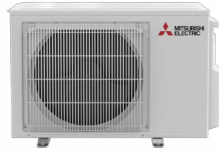
PEAD-AA09NL & SUZ-AA09NL
9,000 BTU/H HORIZONTAL-DUCTED INDOOR UNIT
9,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit.....PEAD-AA09NL

OUTDOOR Unit.....SUZ-AA09NL

INDOOR UNIT FEATURES

- 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-AA09NL & SUZ-AA09NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	9,000
	Rated Capacity	Btu/h	9,000
	Minimum Capacity	Btu/h	1,900
	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	13,000
	Rated Capacity	Btu/h	12,000
	Minimum Capacity	Btu/h	4,800
	Maximum Power Input	W	1,060
	Rated Power Input	W	950
	Power Factor [208V / 230V]	% / %	88 / 88
Heating at 17F ³	Maximum Capacity	Btu/h	7,800
	Rated Capacity	Btu/h	7,800
	Maximum Power Input	W	770
	Rated Power Input	W	770
Heating at 5F ⁵	Maximum Capacity	Btu/h	6,200
	Maximum Power Input	W	606
Heating at -4F ⁶	Maximum Capacity	Btu/h	5,200
Efficiency	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
	COP at -4°F at Maximum Capacity ⁶		2.30
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	15
Indoor Unit	Recommended Wire Size [Indoor - Outdoor]	AWG	14
	MCA	A	2.13
	Fan Motor Output	W	121
	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]
	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]	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 / °FDB	83 / 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)

⁶Indoor/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.

SPECIFICATIONS: PEAD-AA09NL & SUZ-AA09NL

Outdoor Unit	MCA	A	13
	MOCP	A	22
	Fan Motor Output	W	55
	Airflow Rate Cooling	CFM	1,229
	Airflow Rate Heating	CFM	1,172
	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]	Type // 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 / °FDB	115 / 14
	Cooling Thermal Lock-out / Re-start Temperatures**	°FDB / °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 / °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	Gas Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]
	Liquid Pipe Size O.D. [Flared]	inch [mm]	1/4 [6.35]
	Maximum Piping Length	ft [m]	65 [20]
	Maximum Height Difference	ft [m]	40 [12]
	Maximum Number of Bends		10
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]): • 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.			

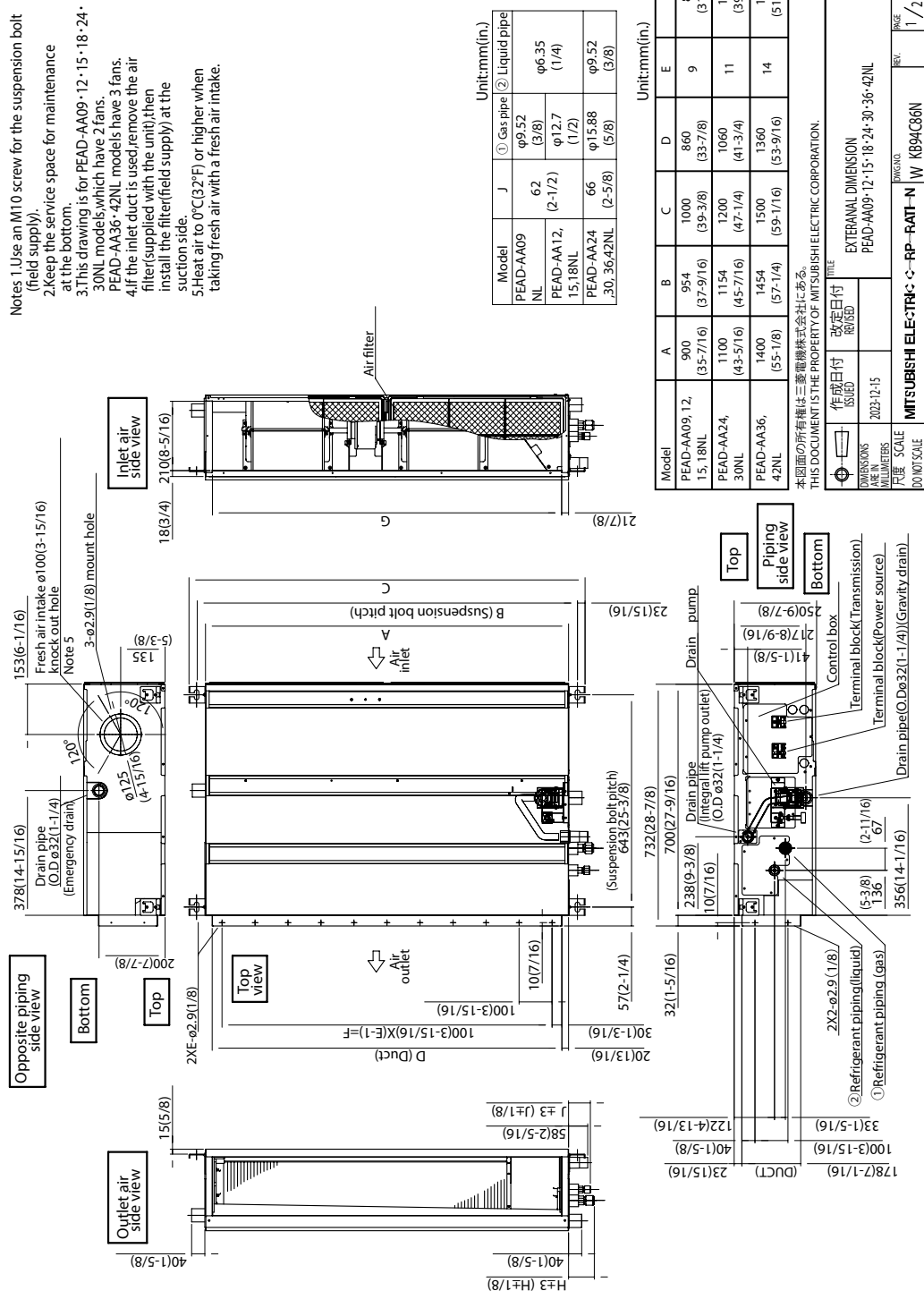
INDOOR UNIT ACCESSORIES: PEAD-AA09NL

Condensate	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	X87-835
	Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH recommended	X87-711
	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
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	SI30-230
	Blue Diamond Sensor Extension Cable 15 Ft	C13-103
	Refco Condensate Pump 100-240V up to 120k BTU/h	COMBI
Control Interface	Airzone Wireless Lite Controller Black	AZZBSLITERN
	Operation and Error Status Output Adapter	PAC-SF40RM-E
	Airzone Wired Blueface Controller White	AZZBSBLUEZEROCB
	Wireless Interface 2 for Comfrot app	PAC-USWHS002-WF-2
	Airzone Wireless Think Controller White	AZZBSTHINKRB
	Airzone Wireless Think Controller Black	AZZBSTHINKRN
	Thermostat Interface for 3rd Party Thermostats	PAC-US445CN-1
	Airzone Wired Blueface Controller Black	AZZBSBLUEZEROCN
	IT Extender	PAC-WHS01IE-E
	Airzone Wireless Lite Controller White	AZZBSLITERB
	kumo station® for Comfort app	PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
Control Wire	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 - Black	TAZ-MS303
	30A600VUL fits 2 X 4 utility box - White	TAZ-MS303W
Filter Box	Filter Box with 2" thick pleated MERV 13 Filters	FBM2-2-A
Lineset	15 x 1/4 x 15 3/8 Lineset Twin-Tube Insulation	MLS143812T-15
	50 x 1/4 x 50 3/8 Lineset Twin-Tube Insulation	MLS143812T-50
	30 x 1/4 x 30 3/8 Lineset Twin-Tube Insulation	MLS143812T-30
	65 x 1/4 x 65 3/8 Lineset Twin-Tube Insulation	MLS143812T-65
Remote Sensor	Wireless temperature and humidity sensor for Comfort app	PAC-USWHS003-TH-1
	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
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	Simple Direct Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller	PAC-YT53CRAU-J
	Touch MA Remote Controller	PAR-CT01MAU-SB
	Deluxe MA Wired Remote Controller	PAR-42MAAUB
Wireless Remote Controller	Universal Wireless Receiver for PAR-FL32MA-E	PAR-FA32MA-W
	Lockdown Bracket for Wireless Handheld Remote Controllers	RCMKP1CB
	Wireless MA Handheld Remote Controller (requires PAR-FA32MA-E)	PAR-FL32MA-E
	Wireless Universal Handheld Remote Controller (requires PAR-SA9CA-E)	PAR-SL101A-E
	Wireless RedLINK™ Remote Controller	MHK2
NOTES ¹ Unable to use with Wireless Handheld Remote 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	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-B4
Mini-Split Wire	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	SW144-250
	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 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	QSWB2000M-1
	18 Single Fan Stand	QSMS1801M
	Outdoor Unit Stand 12 High	QSMS1201M
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	24 Single Fan Stand	QSMS2401M
NOTES		

INDOOR UNIT DIMENSIONS: PEAD-AA09NL



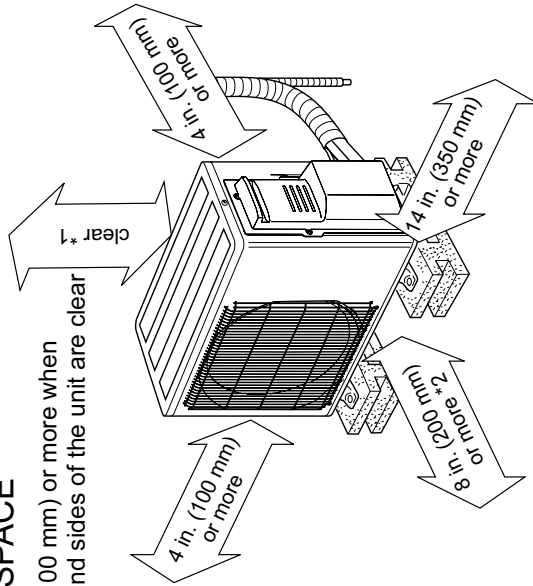
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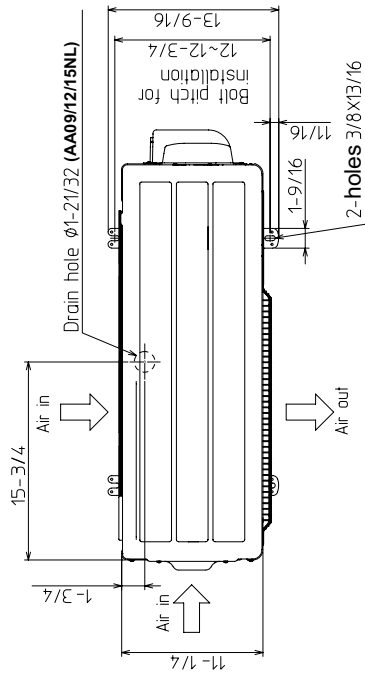
OUTDOOR UNIT DIMENSIONS: SUZ-AA09NL

REQUIRED SPACE

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

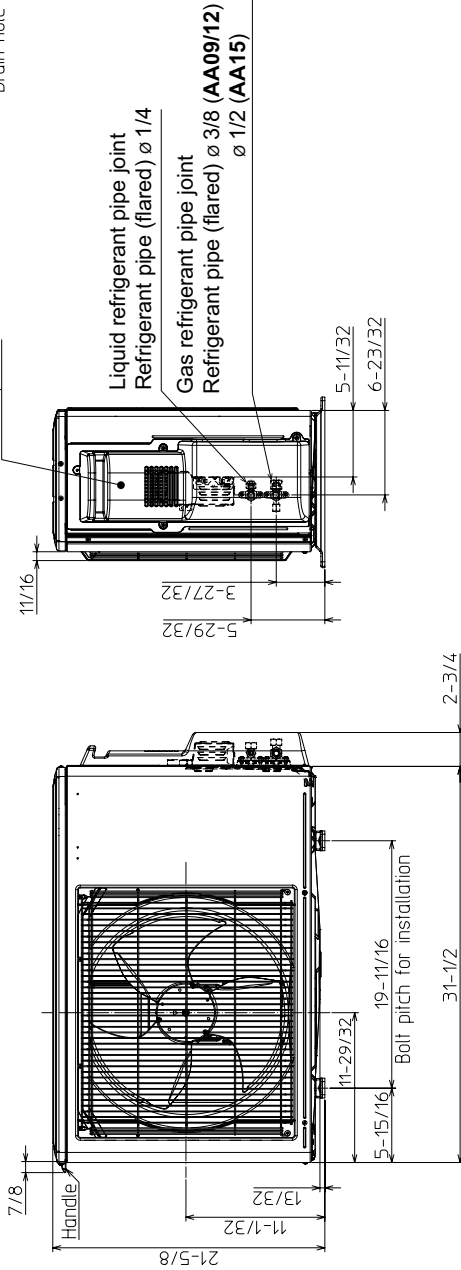


*2 When any 2 sides of left, right and rear of the unit are clear



Drain hole ϕ 1-5/16 (KA09/12/15NAH)

Service panel



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