

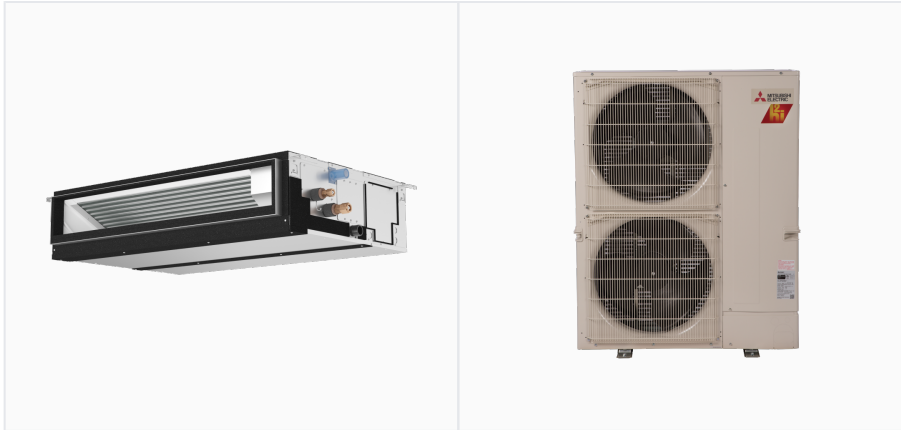
PEAD-AA36NL & SUZ-AK36NLHZ
36,000 BTU/H HORIZONTAL-DUCTED INDOOR UNIT
36,000 BTU/H HYPER HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... PEAD-AA36NL
OUTDOOR Unit ... SUZ-AK36NLHZ

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

- H2i® Hyper-Heating: 100% heating capacity down to 5° F .
- 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.
- Base Pan Heater: This advanced base pan heater helps to prevent interrupted operation due to water freezing after a defrost cycle, ensuring your warmth and comfort during colder weather.
- 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.
- Flash Injection: Flash Injection enables optimum compressor performance when it is running at higher speeds to maintain indoor comfort during cold temperatures.

SPECIFICATIONS: PEAD-AA36NL & SUZ-AK36NLHZ

Cooling at 95F ¹	Maximum Capacity	Btu/h	37000
	Rated Capacity	Btu/h	36000
	Minimum Capacity	Btu/h	14600
	Maximum Power Input	W	2970
	Rated Power Input	W	2910
	Moisture Removal	Pints/h	11.80
	Sensible Heat Factor		0.65
Heating at 47F ²	Power Factor [208V / 230V]	%	95 / 95
	Maximum Capacity	Btu/h	40000
	Rated Capacity	Btu/h	40000
	Minimum Capacity	Btu/h	13000
	Maximum Power Input	W	2930
	Rated Power Input	W	2930
Heating at 17F ³	Power Factor [208V / 230V]	%	95 / 95
	Maximum Capacity	Btu/h	38000
	Rated Capacity	Btu/h	24400
	Maximum Power Input	W	6160
Heating at 5F ⁵	Rated Power Input	W	2800
	Maximum Capacity	Btu/h	38000
Heating at -13F ⁹	Maximum Power Input	W	6187
	Maximum Capacity	Btu/h	31000
Efficiency	SEER2		19.50
	EER2 ¹		12.30
	HSPF2 [IV]		8.50
	COP at 47°F ²		4.00
	COP at 17°F at Maximum Capacity ³		1.80
	COP at 5°F at Maximum Capacity ⁵		1.80
	COP at -13°F at Maximum Capacity ⁹		2.16
Electrical	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
	Recommended Fuse/Breaker Size (Outdoor)	A	30
Indoor Unit	Recommended Wire Size [Indoor - Outdoor]	AWG	14
	MCA	A	3.50
	Fan Motor Output	W	300
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	848 , 936 , 1024 , 1201
	Airflow Rate at Heating, Dry	CFM	848 , 936 , 1024 , 1201
	Sound Pressure Level [Cooling]	dB (A)	34 , 36 , 38 , 42
	Sound Pressure Level [Heating]	dB (A)	34 , 36 , 38 , 42
	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]	55-1/8 x 28-7/8 x 9-7/8 [1400 x 732 x 250]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	65-3/4 x 35-7/16 x 13 [1670 x 900 x 330]
	Unit Weight	lbs [kg]	82 [37]
	Package Weight	lbs [kg]	97 [44]
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	29
	MOCP	A	48
	Fan Motor Output	W	74+74

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

⁹Heating at -13°F (Indoor // Outdoor) °F 70 DB, 60 WB // -13 DB, -14 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

SPECIFICATIONS: PEAD-AA36NL & SUZ-AK36NLHZ

Outdoor Unit	Airflow Rate Cooling	CFM	3740
	Airflow Rate Heating	CFM	3740
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling ¹	dB (A)	52
	Sound Pressure Level, Heating ²	dB (A)	53
	Compressor Type		Twin Rotary
	Compressor Model		MRK36FFGMC
	Compressor Oil [Type // Charge]	// oz	RM68EH // 47
	External Finish Color		Munsell No.3Y 7.8/1.1
	Base Pan Heater		Built-in
	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 [1050 x 355 x 1338]
	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 [1090 x 450 x 1480]
	Unit Weight	lbs [kg]	231 [105]
	Package Weight	lbs [kg]	258 [117]
ODU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum*]	°FDB	115 / 14
	Heating Intake Air Temp [Maximum / Minimum]	°FDB , °FWB / °FDB , °FWB	75 , 65 / -13 , -14
	Heating Thermal Lock-out / Re-start Temperatures**	°FDB	-22.5 / -14
Refrigerant	Type		R454B
	Pre-Charged Refrigerant Amount	lbs , oz	9 , 14
	Maximum Pre-Charged Piping Length	ft [m]	100 [30]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0.6
Piping	Liquid Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]
	Gas Pipe Size O.D. [Flared]	inch [mm]	5/8 [15.88]
	Maximum Piping Length	ft [m]	245 [75]
	Maximum Height Difference	ft [m]	100 [30]
	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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*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.

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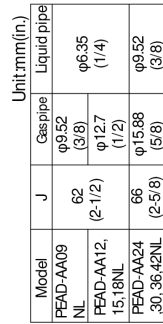
INDOOR UNIT ACCESSORIES: PEAD-AA36NL

Condensate	Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH recommended	☐ X87-711
	Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	☐ X88-721
	Refco Condensate Pump 100-240V up to 120k BTU/h	☐ COMBI
	Blue Diamond Sensor Extension Cable 15 Ft	☐ C13-103
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	☐ SI30-230
	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	☐ X87-835
Control Interface	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
	Airzone Wireless Think Controller Black	☐ AZZBSTHINKRN
	Airzone Wireless Lite Controller White	☐ AZZBSLITERB
	Wireless Interface 2 for Comfort app	☐ PAC-USWHS002-WF-2
	Airzone Wireless Think Controller White	☐ AZZBSTHINKRB
	Thermostat Interface for 3rd Party Thermostats	☐ PAC-US445CN-1
	Airzone Wireless Lite Controller Black	☐ AZZBSLITERN
	IT Extender	☐ PAC-WHS01IE-E
	Airzone Wired Blueface Controller White	☐ AZZBSBLUEZEROCB
	Airzone Wired Blueface Controller Black	☐ AZZBSBLUEZEROCN
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 - White	☐ TAZ-MS303W
	30A600VUL fits 2 X 4 utility box - Black	☐ TAZ-MS303
Filter Box	Filter Box with 2" thick pleated MERV 13 Filters	☐ FBM2-4-A
Lineset	1/4 x 5/8 Lineset Twin-Tube Insulation - 15 feet	☐ MLS145812T-15
Remote Sensor	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
	Wall Mount Remote Temperature Sensor	☐ PAC-SE41TS-E
Terminal Signal Adapter	Backup Heat Relay Kit	☐ CN24RELAY-KIT-CM3
	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
Wired Remote Controller	Touch MA Remote Controller	☐ PAR-CT01MAU-SB
	Deluxe Wired MA Remote Controller	☐ PAR-42MAAUB
	Simple MA Remote Controller	☐ PAC-YT53CRAU-J
	Simple Direct Wired Remote Controller	☐ PAC-SDW01RC-1
Wireless Remote Controller	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
	Universal Wireless Receiver for PAR-FL32MA-E	☐ PAR-FA32MA-W
Notes ¹ Requires MAC-334IF-E Interface to connect MA controller ¹ Unable to use with Wireless Handheld Remote Controller		

OUTDOOR UNIT ACCESSORIES: SUZ-AK36NLHZ

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	USB Conversion Cable for PAC-USCMS-MN-1	☐	M21EC1397
	M- & P-Series Maintenance Tool Cable Set	☐	M21EC0397
Drain Socket	Drain Socket	☐	PAC-SG61DS-E
Hail Guards	Hail Guard	☐	HG-A2
Mini-Split Wire	16 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S164-50
	14 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S144-50
	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW144-250
	16 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S164-250
	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW144-50
	14 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S144-250
Mounting Pad	Condensing Unit Mounting Pad 24 x 42 x 3	☐	ULTRILITE2
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-5
Stand	Outdoor Unit Stand 12 High	☐	QSMS1202M
	24 Dual Fan Stand	☐	QSMS2402M
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
	18 Dual Fan Stand	☐	QSMS1802M
Wind Baffle	Front Wind Baffle	☐	WB-PA3 (two pieces required)
Notes			

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

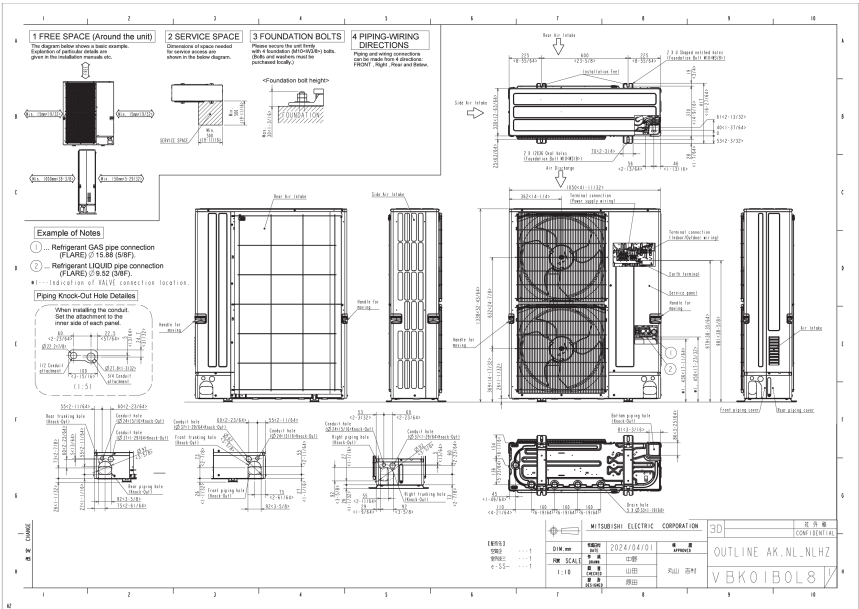


Model	A	B	C	D	E	F	G	H
PEARL-AA09, 12, 15, 18N	900 (35-7/16)	954 (37-9/16)	1000 (39-3/8)	960 (33-7/8)	9	800 (31-1/2)	859 (33-13/16)	72 (27/8)
PEARL-AA24, 30N	1100 (43-5/16)	1154 (45-7/16)	1200 (47-1/4)	1060 (41-3/4)	11	1000 (39-3/8)	1058 (41-11/16)	78 (3-1/8)
PEARL-AA36, 42N	1400 (55-1/8)	1454 (57-1/4)	1500 (59-1/16)	1360 (53-9/16)	14	1300 (51-3/16)	1358 (53-1/2)	

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	ISSUED	~ REVISED	TITLE
DIMENSIONS IN MILLIMETERS	2022/12/15		EXTERNAL DIMENSION PEAD-A40G 12 15 18 24 30 36 42NL
S SCALE			FWINGO
DO NOT SCALE			MITSUBISHI ELE-CTR-C-RP-RATI-N W FB34C8N
	FEU	PAGE	1/2

OUTDOOR UNIT DIMENSIONS: SUZ-AK36NLHZ



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