PAA-AA30NL & PUY-AH30NL
30,000 BTU/H CASED COIL INDOOR UNIT
27,000 BTU/H COOLING ONLY OUTDOOR UNIT

Job Name:			
System Reference:		**Date:**	

INDOOR Unit ... PAA-AA30NL

OUTDOOR Unit ... PUY-AH30NL

INDOOR UNIT FEATURES

- Wi-Fi Optional: A Wireless Interface Adapter can be ordered as an accessory for field installation.
- Intelligent Switchover: Intelligent Switchover from electric heat pump to gas furnace operation in extreme cold for consistent comfort. The system can also be set to switch based optimal energy efficiency and to reduce your carbon footprint.
- High Quality Drain Pan: High quality drain pan material with high heat tolerance and low moisture absorption
- Multi-Position Installation: Versatile installation options, including horizontal (left or right) and vertical (up or down) orientations, with included drain pans to facilitate easy setup for any configuration.
- Available Widths: Available in 14.5”, 17.5”, and 21” widths
- Furnace Compatible: "Compatible with most gas furnaces, intelli-HEAT® allows for Intelligent Switchover between the furnace and heat pump operation. * *Mitsubishi Electric air-conditioner and heat pump systems should only be connected with ANSI-Z21.47/CSA2.3 certified furnaces"

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.
- Low Ambient Cooling: Low ambient cooling down to -40°F providing 100% capacity with front, side and rear wind baffle kit
- Low Ambient Cooling: Low ambient cooling down to 0°F providing 100% capacity with front wind baffle kit

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SPECIFICATIONS: PAA-AA30NL & PUY-AH30NL

Cooling at 95F[1]	Maximum Capacity	Btu/h	31500
	Rated Capacity	Btu/h	31000
	Minimum Capacity	Btu/h	10100
	Maximum Power Input	W	3200
	Rated Power Input	W	3130
	Moisture Removal	Pints/h	7.70
	Sensible Heat Factor		0.73
	Power Factor [208V / 230V]	%	89 / 89
Efficiency	SEER2		16.1
	EER2[1]		9.90
	ENERGY STAR® Certified		No
Electrical	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	25
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
Indoor Unit	MCA	A	0.2
	Breaker Size	A	15
	Rated Airflow, Dry	CFM	875
	Maximum Airflow, Dry	CFM	1024
	Minimum Airflow, Dry	CFM	700
	Internal Static Pressure [at Rated CFM]	in.WG	0.2
	Drain Pipe Size O.D.	inch [mm]	3/4 [19.05]
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	14-1/2 x 21-7/16 x 27-1/2 [368 x 543 x 697]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	17-7/16 x 25-5/16 x 33 [443 x 695 x 838]
	Unit Weight [Cased Coil Only]	lbs [kg]	58.4 [26.5]
	Control Box Weight	lbs [kg]	5.1 [2.3]
	Package Weight	lbs [kg]	81.6 [37]
IDU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum]	°FDB , °FWB / °FDB , °FWB	90 , 73 / 66 , 59
Outdoor Unit	MCA	A	22
	MOCP	A	37
	Fan Motor Output	W	74
	Airflow Rate Cooling	CFM	1940
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling[1]	dB (A)	49
	Compressor Type		Twin Rotary
	Compressor Model		SRB172FQHMC-L1
	Compressor Oil [Type // Charge]	// oz	RM68EH // 23
	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]	37-13/32 x 14 x 37-1/8 [950 x 355 x 943]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	41-15/16 x 17-3/4 x 42-1/2 [1065 x 450 x 1079]
	Unit Weight	lbs [kg]	155 [70]
	Package Weight	lbs [kg]	179 [81]
ODU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum*]	°FDB	115 / 23
	Cooling Thermal Lock-out / Re-start Temperatures**	°FDB	N/A / N/A
Refrigerant	Type		R454B
	Pre-Charged Refrigerant Amount	lbs , oz	7 , 11
	Maximum Pre-Charged Piping Length	ft [m]	100 [30]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0
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]	100 [30]
	Maximum Height Difference	ft [m]	100 [30]

Notes

[1]Cooling at 95°F (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB
[*]Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]): • Wind baffles required to operate below 23°F DB in cooling mode. • Cooling-only system with advanced wind baffle: -40°F - 115°F. • Refer to wind baffle documentation for further information.
[3]Nominal capacity only. Actual capacity output varies based on the system specific configuration
[**]Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures):

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Piping	Maximum Number of Bends		15

Notes

[1]Cooling at 95°F (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB
[*]Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]): • Wind baffles required to operate below 23°F DB in cooling mode. • Cooling-only system with advanced wind baffle: -40°F - 115°F. • Refer to wind baffle documentation for further information.
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[**]Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures):

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INDOOR UNIT ACCESSORIES: PAA-AA30NL

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 Sensor Extension Cable 15 Ft	C13-103
	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 MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	X88-721
Control Interface	kumo station® for Comfort app	PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	Wireless Interface 2 for Comfrot app	PAC-USWHS002-WF-2
	Operation and Error Status Output Adapter ¹	PAC-SF40RM-E
	Thermostat Interface	PAC-US446CN-1
	IT Extender	PAC-WHS01IE-E
Disconnect Switch	30A600VUL fits 2 X 4 utility box - Black	TAZ-MS303
	30A600VUL fits 2 X 4 utility box - White	TAZ-MS303W
Lineset	3/8 x 5/8 Lineset Twin-Tube Insulation - 100 feet	MPLS385812T-100
	3/8 x 5/8 Lineset Twin-Tube Insulation - 50 feet	MPLS385812T-50
	3/8 x 5/8 Lineset Twin-Tube Insulation - 10 feet	MPLS385812T-10
	3/8 x 5/8 Lineset Twin-Tube Insulation - 15 feet	MPLS385812T-15
	3/8 x 5/8 Lineset Twin-Tube Insulation - 65 feet	MPLS385812T-65
	3/8 x 5/8 Lineset Twin-Tube Insulation - 30 feet	MPLS385812T-30
Remote Sensor	Wall Mount 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	Connector and wire for On/Off and Fan command using CN32	PAC-715AD
	Backup Heat Relay Kit	CN24RELAY-KIT-CM3
	Connector and wire for On/Off and Error status using CN51 and CN52	PAC-725AD
	ERV On/Off Input Adapter for CNER on SVZ PEAD and PVA models	PAC-740
Wired Remote Controller	Touch MA Remote Controller	PAR-CT01MAU-SB
	Deluxe Wired MA Remote Controller	PAR-42MAAUB
	Simple Direct Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller	PAC-YT53CRAU-J
Wireless Remote Controller	Wireless RedLINK™ Remote Controller	MHK2
	Universal Wireless Receiver for PAR-FL32MA-E	PAR-FA32MA-W
	Wireless Remote Contoller	PAR-SL101A-E
	Lockdown Bracket for Wireless Handheld Remote Controllers	RCMKP1CB
	Universal Wireless Receiver for PAR-FL32MA-E	PAR-FA32MA-E

Notes

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

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OUTDOOR UNIT ACCESSORIES: PUY-AH30NL

Air Outlet Guide	Air Outlet Guide 1 Piece	☐	PAC-SG59SG-E
Centralized Drain Pan	Centralized Drain Pan	☐	PAC-SG64DP-E
Control/Service Tool	ControlService Tool	☐	PAC-SK52ST
	M- & P-Series Maintenance Tool Cable Set	☐	M21EC0397
Drain Socket	Drain Socket	☐	PAC-SG61DS-E
Hail Guards	Hail Guard	☐	HG-A6
M-NET Converter	M-Net Interface for P-Series	☐	PAC-SJ95MA-E
Mini-Split Wire	14 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S144-50
	14 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S144-250
	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 24 x 42 x 3	☐	ULTRILITE2
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-4
Stand	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
	Outdoor Unit Stand 12 High	☐	QSMS1201M
	Condenser Wall Bracket - Stainless Steel Finish	☐	QSWBSS
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	Front Wind Baffle	☐	WB-PA5
	Side Advanced Wind Baffle	☐	WB-SD5
	Rear Wind Baffle	☐	WB-RE5
Notes			

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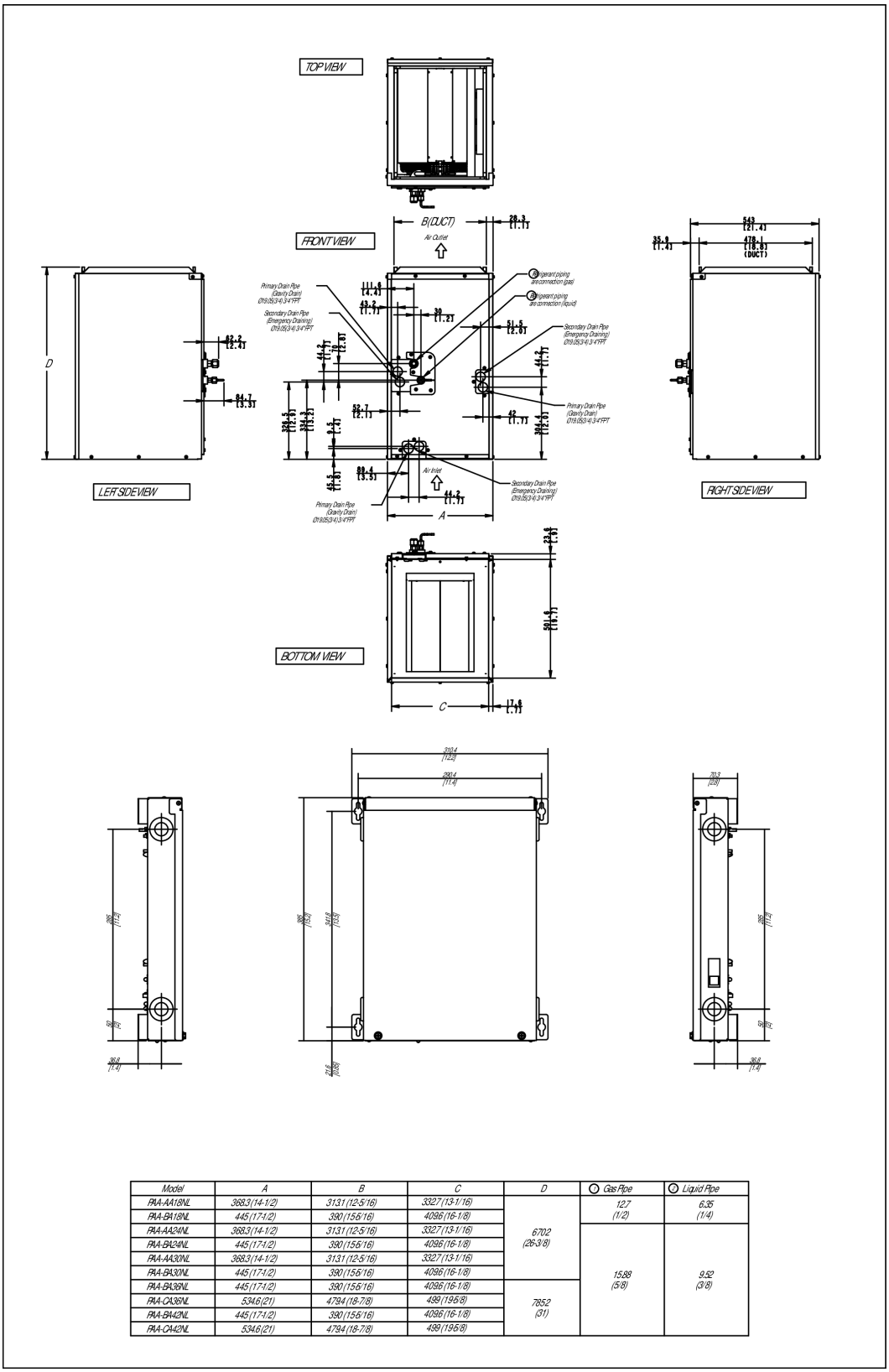
INDOOR UNIT DIMENSIONS: PAA-AA30NL



Model	A	B	C	D	Gas Pipe	Liquid Pipe
PAA-AA18NL	368.3 (14-1/2)	313.1 (12-5/16)	332.7 (13-1/16)	670.2 (26-3/8)	12.7 (1/2)	6.35 (1/4)
PAA-BA18NL	445 (17-1/2)	390 (15-5/16)	409.6 (16-1/8)			
PAA-AA24NL	368.3 (14-1/2)	313.1 (12-5/16)	332.7 (13-1/16)		15.88 (5/8)	9.52 (3/8)
PAA-BA24NL	445 (17-1/2)	390 (15-5/16)	409.6 (16-1/8)			
PAA-AA30NL	368.3 (14-1/2)	313.1 (12-5/16)	332.7 (13-1/16)			
PAA-BA30NL	445 (17-1/2)	390 (15-5/16)	409.6 (16-1/8)			
PAA-BA36NL	445 (17-1/2)	390 (15-5/16)	409.6 (16-1/8)	785.2 (31)		
PAA-CA36NL	534.6 (21)	479.4 (18-7/8)	499 (19-5/8)			
PAA-BA42NL	445 (17-1/2)	390 (15-5/16)	409.6 (16-1/8)			
PAA-CA42NL	534.6 (21)	479.4 (18-7/8)	499 (19-5/8)			

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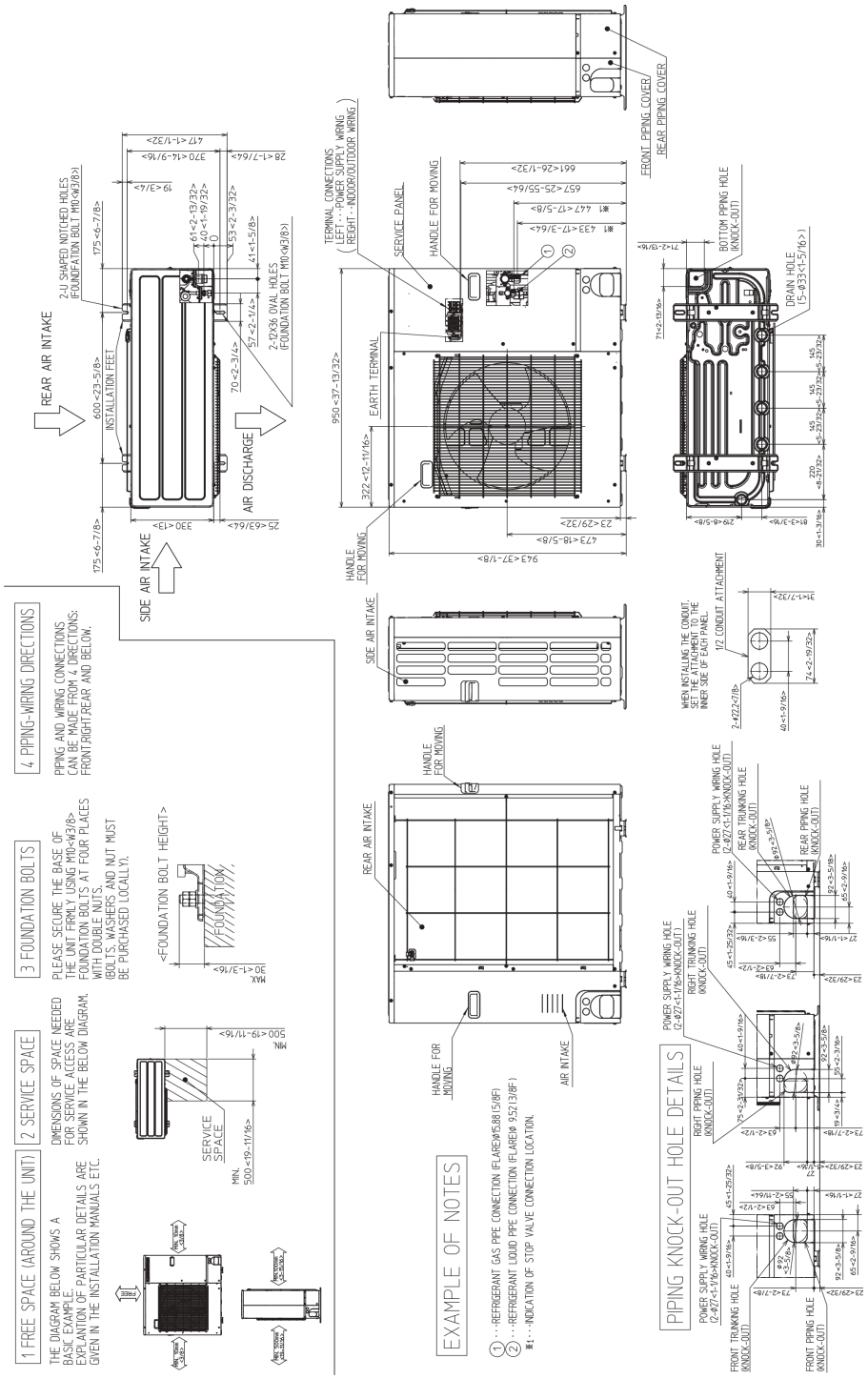
OUTDOOR UNIT DIMENSIONS: PUY-AH30NL



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