PAA-BA24NL & PUZ-AH24NL
23,600 BTU/H CASED COIL INDOOR UNIT
23,600 BTU/H HEAT PUMP OUTDOOR UNIT

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

INDOOR Unit ... PAA-BA24NL

OUTDOOR Unit ... PUZ-AH24NL

INDOOR UNIT FEATURES

- 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
- 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

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: Designed to protect against the corrosive effects of environments that are in close proximity to the sea.

© 2025 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

SPECIFICATIONS: PAA-BA24NL & PUZ-AH24NL

Cooling at 95F[1]	Maximum Capacity	Btu/h	24000
	Rated Capacity	Btu/h	23600
	Minimum Capacity	Btu/h	9800
	Maximum Power Input	W	2010
	Rated Power Input	W	1960
	Moisture Removal	Pints/h	5.70
	Sensible Heat Factor		0.75
	Power Factor [208V / 230V]	%	86 / 86
Heating at 47F[2]	Maximum Capacity	Btu/h	31400
	Rated Capacity	Btu/h	29800
	Minimum Capacity	Btu/h	11700
	Maximum Power Input	W	2920
	Rated Power Input	W	2360
	Power Factor [208V / 230V]	%	86 / 86
Heating at 17F[3]	Maximum Capacity	Btu/h	14200
	Rated Capacity	Btu/h	14200
	Maximum Power Input	W	1600
	Rated Power Input	W	1600
Heating at 5F[5]	Maximum Capacity	Btu/h	13500
	Maximum Power Input	W	1880
Heating at -4F[6]	Maximum Capacity	Btu/h	11400
Efficiency	SEER2		17.8
	EER2[1]		12
	HSPF2 [IV]		8.70
	COP at 47°F[2]		3.7
	COP at 17°F at Maximum Capacity[3]		2.60
	COP at 5°F at Maximum Capacity[5]		2.10
	COP at -4°F at Maximum Capacity[6]		2.02
	ENERGY STAR® Certified		Yes
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
	Rated Airflow, Dry	CFM	700
	Maximum Airflow, Dry	CFM	830
	Minimum Airflow, Dry	CFM	551
	Internal Static Pressure [at Rated CFM]	in.WG	0.1
	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]	17-9/16 x 21-7/16 x 27-1/2 [445 x 543 x 697]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	19-5/16 x 25-5/16 x 33 [491 x 695 x 838]
	Unit Weight [Cased Coil Only]	lbs [kg]	62.8 [28.5]
	Control Box Weight	lbs [kg]	5.1 [2.3]
	Package Weight	lbs [kg]	86.0 [39]
IDU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum]	deg F , deg F / deg F , deg F	90 , 73 / 66 , 59
	Heating Intake Air Temp [Maximum / Minimum]	deg F	83 / 50
Outdoor Unit	MCA	A	22
	MOCP	A	37
	Fan Motor Output	W	74
	Airflow Rate Cooling	CFM	1940
	Airflow Rate Heating	CFM	1940
	Defrost Method		Reverse Cycle

Notes

[1]Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB - test
[2]Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB
[3]Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB
[5]Heating 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]): • Wind baffles required to operate below 23°F DB in cooling mode. • Heat pump system with wind baffle: 0°F - 115°F. • Refer to wind baffle documentation for further information.
[**]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.
[6]Heating at -4°F (Indoor // Outdoor) °F 70 DB, 60 WB // -4 DB, -5 WB

© 2025 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

Outdoor Unit	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling[1]	dB (A)	49
	Sound Pressure Level, Heating[2]	dB (A)	52
	Compressor Type		Twin Rotary
	Compressor Model		SRB172FQHMC-L1
	Compressor Oil [Type // Charge]	// oz	RM68EH // 23
	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]	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*]	F	115 / 23
	Heating Intake Air Temp [Maximum / Minimum]	F , F / F , F	70 , 59 / -4 , -4
	Heating Thermal Lock-out / Re-start Temperatures**	F	-13 / -4
Refrigerant	Type		R454B
	Pre-Charged Refrigerant Amount	lbs , oz	7 , 11
	Maximum Pre-Charged Piping Length	ft [m]	100 [30]
Piping	Gas Pipe Size O.D. [Flared]	inch [mm]	5/8 [15.88]
	Liquid Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]
	Maximum Piping Length	ft [m]	100 [30]
	Maximum Height Difference	ft [m]	100 [30]
	Maximum Number of Bends		15

Notes

[1]Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB - test
[2]Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB
[3]Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB
[5]Heating 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]): • Wind baffles required to operate below 23°F DB in cooling mode. • Heat pump system with wind baffle: 0°F - 115°F. • Refer to wind baffle documentation for further information.
[**]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.
[6]Heating at -4°F (Indoor // Outdoor) °F 70 DB, 60 WB // -4 DB, -5 WB

© 2025 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

INDOOR UNIT ACCESSORIES: PAA-BA24NL

Condensate	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
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	SI30-230
	Blue Diamond Sensor Extension Cable 15 Ft	C13-103
	Blue Diamond (MaxiBlue Advanced) Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H [recommended]	X87-711
Control Interface	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
	IT Extender	PAC-WHS01IE-E
	Thermostat Interface	PAC-US446CN-1
	kumo station® for Comfort app	PAC-WHS01HC-E
Disconnect Switch	(30A/600V/UL) [fits 2” X 4” utility box] - White	TAZ-MS303W
	30A600VUL fits 2 X 4 utility box - Black	TAZ-MS303
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 - 65 feet	MPLS385812T-65
	3/8 x 5/8 Lineset Twin-Tube Insulation - 30 feet	MPLS385812T-30
	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
N/A		Unknown
Power Supplies & Auxiliary Components	ERV On/Off Input Adapter for CNER on SVZ PEAD and PVA models	PAC-740
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 Mounted Remote Temperature Sensor	PAC-SE41TS-E
Terminal Signal Adapter	Backup Heat Relay Kit	CN24RELAY-KIT-CM3
	3-Pin Wiring Harness	PAC-715AD
	5-Pin Wiring Harness	PAC-725AD
Wired Remote Controller	Deluxe MA Wired Remote Controller	PAR-42MAAUB
	Touch MA Remote Controller	PAR-CT01MAU-SB
	Simple MA Remote Controller	PAC-YT53CRAU-J
	Simple Direct Wired Remote Controller	PAC-SDW01RC-1
Wireless Remote Controller	Universal Wireless Receiver for PAR-FL32MA-E	PAR-FA32MA-E
	Wireless RedLINK™ Remote Controller	MHK2
	Lockdown Bracket for Wireless Handheld Remote Controllers	RCMKP1CB
	Wireless Remote Contoller	PAR-SL101A-E
	Universal Wireless Receiver for PAR-FL32MA-E	PAR-FA32MA-W
Notes		

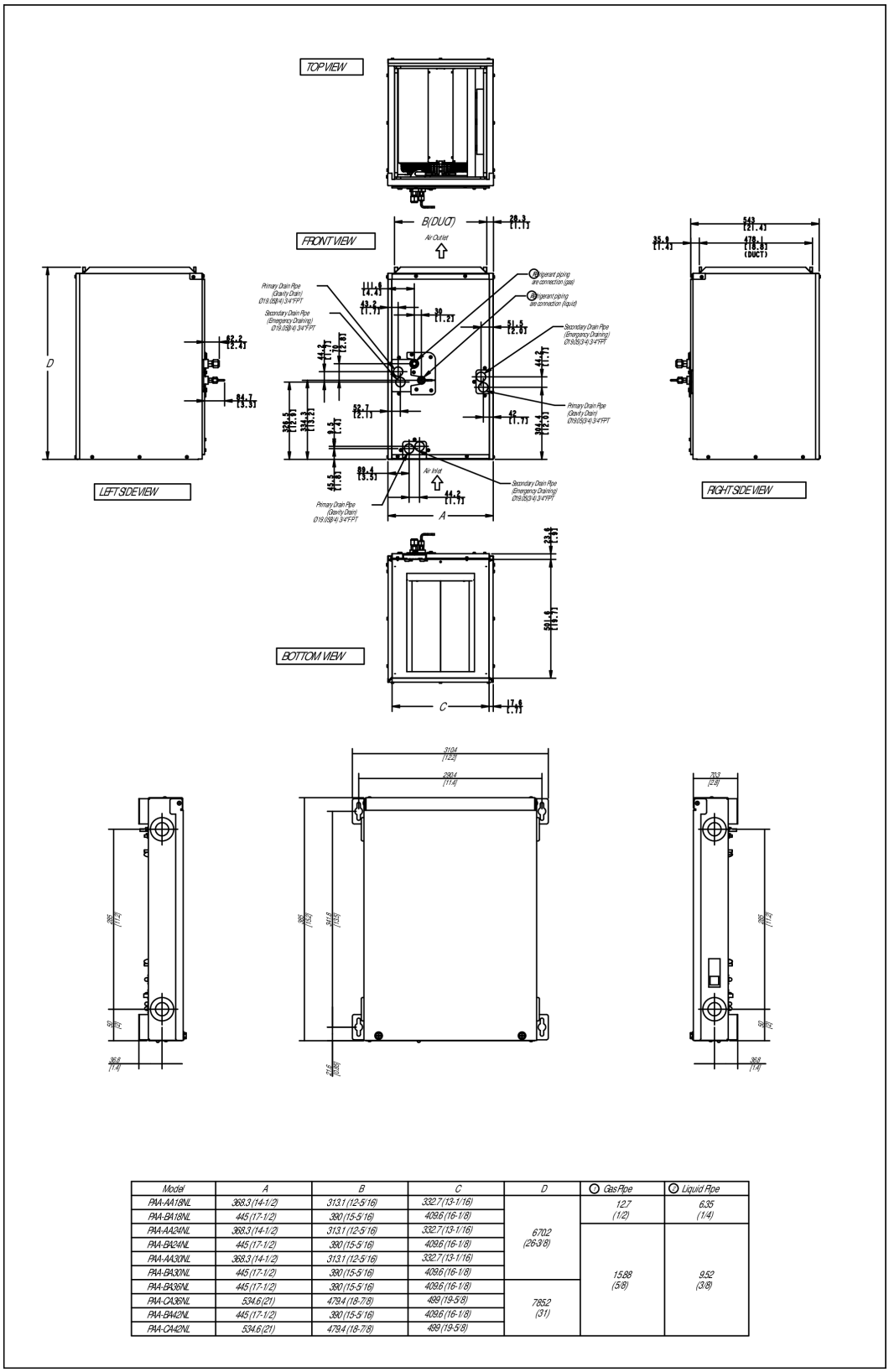
© 2025 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

OUTDOOR UNIT ACCESSORIES: PUZ-AH24NL

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 Cable50 ft roll	☐	SW144-50
	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW144-250
Mounting Pad	Condensing Unit Mounting Pad 24 x 42 x 3	☐	ULTRILITE2
Optional Defrost Heater	Optional Defrost Heater	☐	PAC-SK62BH-E
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-4
Stand	Condenser Wall Bracket	☐	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	☐	QSWBSS
	24 Single Fan Stand	☐	QSMS2401M
	Outdoor Unit Stand 12 High	☐	QSMS1201M
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
	18 Single Fan Stand	☐	QSMS1801M
Terminal Signal Adapter	3-Pin Wiring Harness	☐	PAC-715AD
	5-Pin Wiring Harness	☐	PAC-725AD
Wind Baffle	Side Advanced Wind Baffle	☐	WB-SD5
	Rear Wind Baffle	☐	WB-RE5
	Front Wind Baffle	☐	WB-PA5
Notes			

© 2025 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

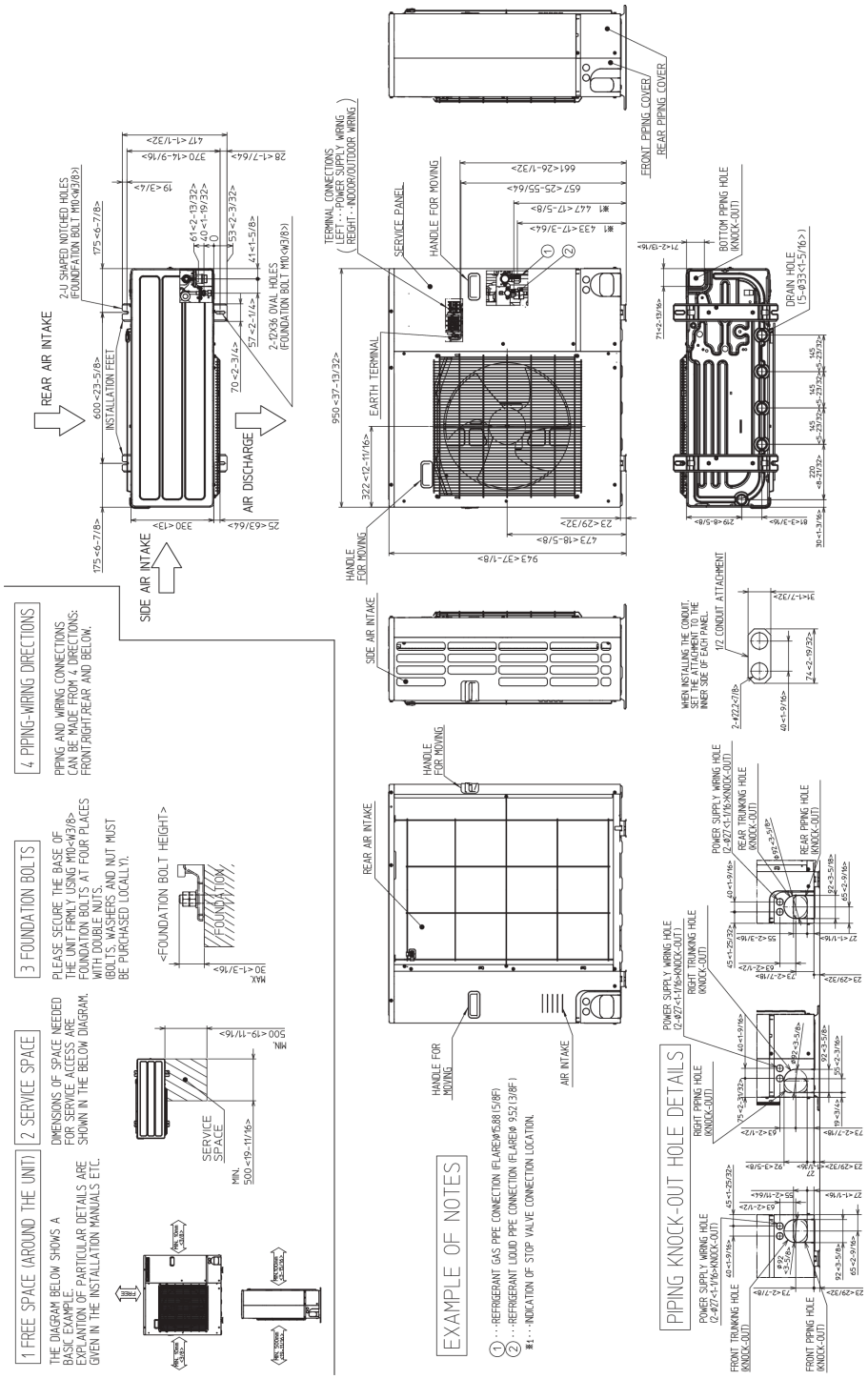
INDOOR UNIT DIMENSIONS: PAA-BA24NL



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)			

© 2025 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

OUTDOOR UNIT DIMENSIONS: PUZ-AH24NL



1340 Satellite Boulevard Suwanee, GA 30024
Toll Free: 800-433-4822 · mitsubishicomfort.com

Specifications are subject to change without notice.
© 2025 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.