PAA-A18BA1
intelli-HEAT™ CASED COIL, 17.5” WIDTH, 18,000 BTU/H

American Standard HEATING & AIR CONDITIONING

MITSUBISHI ELECTRIC

Job Name:

System Reference: Date:

GENERAL FEATURES

- Compatible with any thermostatically controlled (24VAC) natural gas or LP furnace*
- Intelligent Comfort Control Function (automatic switchover between heat pump and furnace*)
- Includes cased coil and control box
- Available in 14.5”, 17.5”, and 21” widths
- Optimized heat exchanger design for increased efficiency and longevity
- Flared piping connection
- High quality drain pan material with high heat tolerance and low moisture absorption
- Multi-position installation: horizontal (left or right), vertical (up or down)
  - Drain pans for all multi-position configurations are included for easy installation
- Optional humidifier control and ERV control
- Oxygen free copper coils
- Multiple control options available:
  - kumo cloud® smart device app for remote access
  - Third-party interface options
  - Wired or wireless controllers

*Mitsubishi Electric air conditioner and heat pump systems should only be connected with ANSI-Z21.47/CSA2.3 certified furnaces.

Specifications			System
Unit Type			PAA-A18BA1
Cooling Capacity[1, 3]		BTU/H	18,000
Heating Capacity[2, 3]		BTU/H	19,000
Electrical	Voltage, Phase, Frequency		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	24
	Short-circuit Current Rating [SCCR]	kA	5
Indoor Unit	MCA	A	0.2
	Rated Airflow, Dry	CFM	525
	Maximum Airflow, Dry	CFM	812
	Minimum Airflow, Dry	CFM	424
	Internal Static Pressure [at Rated CFM]	in.WG	0.07
	Drain Pipe Size	In. [mm]	3/4 [19.05]
	Coating on Heat Exchanger		—
	External Finish Color		Galvanized Steel
	Unit Dimensions	W x D x H: In. [mm]	17.5 x 21.7 x 27.4 [445.0 x 551.2 x 696.0]
	Package Dimensions	W x D x H: In. [mm]	25.4 x 28.8 x 31.3 [646 x 732 x 795]
	Unit Weight [Cased Coil Only]	Lbs. [kg]	54 [24.0]
	Control Box Weight	Lbs. [kg]	11.00 [4.99]
	Package Weight	Lbs. [kg]	76 [34.6]
Refrigerant	Type		R410A
Piping	Gas Pipe Size O.D. [Flared]	In.[mm]	1/2 [12.7]
	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]

NOTES:
Conditions

[1]Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB
[2]Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

[3]Capacity varies based on the number of indoor units operating and the model of the Multi-zone Outdoor Unit. For reference to connected capacity charts, please refer Multi-zone Outdoor Unit Operational Performance.

Specifications are subject to change without notice.

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INDOOR UNIT ACCESSORIES: PAA-A18BA1

Control Interface	BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	Connector and wire for Operation status/error using CN51	☐ PAC-725AD
	IT Extender	☐ PAC-WHS01IE-E
	kumo station® for kumo cloud®	☐ TAC-WHS01HC-E
	Remote Operation Adapter‡	☐ PAC-SF40RM-E
	Thermostat Interface	☐ PAC-US445CN-1
	USNAP Adapter	☐ PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	☐ PAC-USWHS002-WF-2
Remote Sensor	Flush Mount Remote Temperature Sensor	☐ PAC-USSEN002-FM-1
	Flush Mount Temperature Sensor	☐ PAC-USSEN001-FM-1
	Remote Temperature Sensor	☐ PAC-SE41TS-E
	Wireless temperature and humitity sensor for kumo cloud®	☐ PAC-USWHS003-TH-1
Wired Remote Controller	Deluxe Wired MA Remote Controller†	☐ AAR-40MAAU
	Simple MA Remote Controller†	☐ PAC-YT53CRAU-J
	Touch MA Controller†	☐ PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	☐ MHK2
	Lockdown bracket for remote controller	☐ RCMKP1CB
	Wireless MA Receiver	☐ PAR-SR32MA-E
	Wireless MA Remote Controller	☐ PAR-FL32MA-E
Condensate	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	☐ COMBI
Lineset	100’ x 1/4” x 100’ / 1/2” Lineset (Twin-Tube Insulation)	☐ MLS141212T-100
	15’ x 1/4” x 15’ / 1/2” Lineset (Twin-Tube Insulation)	☐ MLS141212T-15
	30’ x 1/4” x 30’ / 1/2” Lineset (Twin-Tube Insulation)	☐ MLS141212T-30
	50’ x 1/4” x 50’ / 1/2” Lineset (Twin-Tube Insulation)	☐ MLS141212T-50
	65’ x 1/4” x 65’ / 1/2” Lineset (Twin-Tube Insulation)	☐ MLS141212T-65

NOTES:
‡PAC-SF40RM-E (Unable to use with wireless remote controller)

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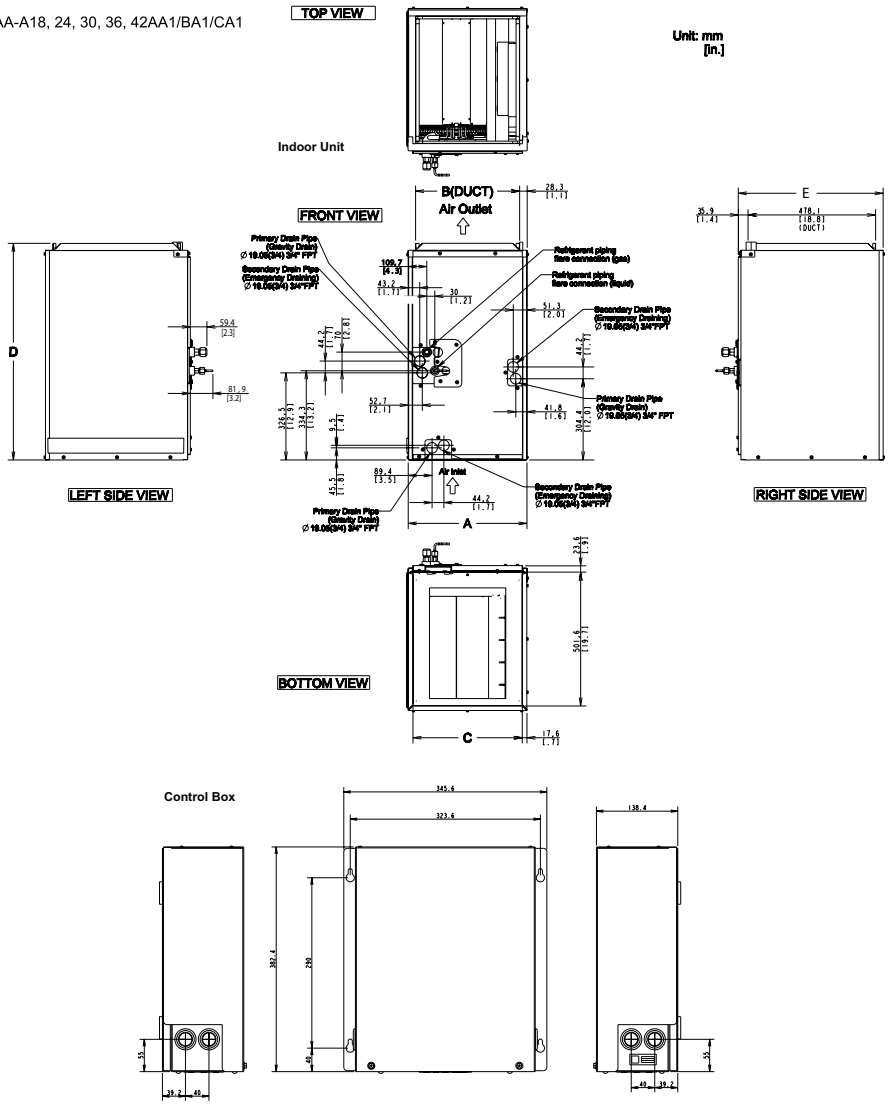
INDOOR UNIT DIMENSIONS: PAA-A18BA1

PAA-A18, 24, 30, 36, 42AA1/BA1/CA1



Control Box

Model	A mm [in.]	B mm [in.]	C mm [in.]	D mm [in.]	E mm [in.]
PAA-A18AA1	368.3 [14-1/2]	313.1 [12-5/16]	332.7 [13-1/16]	670.2 [26-3/8]	543 [21-3/8]
PAA-A18BA1	445 [17-1/2]	390 [15-5/16]	409.6 [16-1/8]	670.2 [26-3/8]	543 [21-3/8]
PAA-A24AA1	368.3 [14-1/2]	313.1 [12-5/16]	332.7 [13-1/16]	670.2 [26-3/8]	543 [21-3/8]
PAA-A30AA1	368.3 [14-1/2]	313.1 [12-5/16]	332.7 [13-1/16]	670.2 [26-3/8]	543 [21-3/8]
PAA-A24BA1	445 [17-1/2]	390 [15-5/16]	409.6 [16-1/8]	670.2 [26-3/8]	543 [21-3/8]
PAA-A30BA1	445 [17-1/2]	390 [15-5/16]	409.6 [16-1/8]	670.2 [26-3/8]	543 [21-3/8]
PAA-A36BA1	445 [17-1/2]	390 [15-5/16]	409.6 [16-1/8]	785.2 [31]	543 [21-3/8]
PAA-A42BA1	445 [17-1/2]	390 [15-5/16]	409.6 [16-1/8]	785.2 [31]	543 [21-3/8]
PAA-A36CA1	534.6 [21]	479.4 [18-7/8]	499 [19-5/8]	785.2 [31]	543 [21-3/8]
PAA-A42CA1	534.6 [21]	479.4 [18-7/8]	499 [19-5/8]	785.2 [31]	543 [21-3/8]

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