

Job Name:	Location:		
Purchaser:	Submitted By:		
Submitted To:	Reference:	Approval:	Construction:
Engineer:	Date:	Application:	

PAA-A30AA1-M

PAA-A30BA1-M



Optional Controller

Images provided for reference purposes only

Outdoor Standard Features:	Description:
Blue Fin Coating	Prolong condenser operating life
Inverter Motor	Energy efficient operation with variable speed DC motor
Fast Auto restart	Automatically restarts after power failure return
Automated compressor cutout	Prevents inefficient operation & protects compressor

Indoor Standard Features:	Description:
Auto Restart Function	Auto-recovery after power failure (must be activated on controller mode #1 set to 2)

Description: (Optional Accessories)	Model No.
Front Windscreen	PFR-24-30
Rear Snow Guard	PRE-24-30
Side Snow Guard	PSD-24-30

Outdoor Temperature Operation Range:		
Cooling	°F (°C)	<sup>*2</sup> -40 to 115 (-40 to 46)
Cooling Operation Thermal Lock-out / Re-start Temps	°F (°C)	NA

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)

NOTES : \*1. Rating conditions (cooling)-Indoor: D.B. 80°F (26.7°C), W.B. 67°F (19.4°C) Outdoor: D.B. 95°F(35°C), W.B. 75°F (23.9°C)

\*2. Cooling at 0 °F, wind baffle accessory required. Without wind baffle accessory, the minimum temperature will be 23°F (-5°C)

<sup>A)</sup> CFM @ 350 per tons.

- Note:**
- (1) To be installed by a trained and licensed refrigeration mechanic;
  - (2) Suitable for installation with an ANSI certified gas furnace (Z21.47/CSA2.3);
  - (3) Not suitable for installation with OIL or DRUM type furnaces;
  - (4) Supply air temperature must not exceed 200°F (93.3 °C);
  - (5) Furnace output capacity shall not be greater than 300% of the rated PAA cooling capacity;
  - (6) Configure furnace fan such at the airflow is greater than or equal to 350 CFM per ton and less than or equal to 400 CFM per ton of nominal PAA unit cooling capacity. In down flow orientation, the furnace fan should be configured to maintain an airflow face velocity below 350 ft/min to prevent water blow-off;
  - (7) For detailed requirements, review PAA Installation Manual at: <http://www.mitsubishitechinfo.ca/>

- Note:**
1. Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved components and accessories for proper functioning of the unit(s). Use of non - MESCA supported components and accessories will affect warranty coverage. MESCA recommends (A) consideration of all applicable design and application parameters and requirements specific to any project.
  2. Should any person change this document in any manner whatsoever without MESCA's written permission, the document shall be of no force and effect and any change shall be deemed to be a representation and warranty made by that person and not MESCA. That person, and not MESCA, shall assume full responsibility for the consequences of such changes. MESCA assumes no responsibility for any consequences in such cases.

# Submission Data: PAA-A30(A)(B)A1-M & PUY-A30NHA7

## Performance:

Cooling at 95°F* <sup>1</sup>	Rated Capacity	Btu/h	30,000
	Capacity Range	Btu/h	9,600 - 30,000
	Rated Power Input	W	3,000
	Power Input Range	W	650 - 3,000
	Moisture Removal	pints/h	6.8
	Sensible Heat Factor		0.75

## Efficiency:

SEER / SEER2	16.0 / 14.5
EER / EER2	10.0 / 9.5

## Electrical:

Power Supply	208/230V, 1Ph, 60Hz	
Voltage: Indoor - Outdoor, S1-S2	V AC	AC 208/230V
Voltage: Indoor - Outdoor, S2-S3	V DC	10-24VDC
Short-circuit Current Rating (SCCR)	kA	5
Recommended Fuse/Breaker Size (Outdoor)	A	25
Recommended Wire Size (Indoor - Outdoor)	AWG	14

## Indoor Unit Specifications:

Models	Airflow rate*	W: In.	D: In.	H: In.	W: mm	D: mm	H: mm	kg (lbs)
PAA-A30AA1-M	875	14.5	21.3	26.4	368	543	670	22 (48)
PAA-A30BA1-M	875	17.5	21.3	26.4	445	543	670	26 (58)

\* Target airflow rate for Y or Y1 signal

Not including connection pipes.

Internal static pressure	in. WG	0.3 (According to AHRI - 210/240, where this is the maximum allowable internal static pressure for "Coil Only" systems)
	[Pa]	75 (According to AHRI - 210/240, where this is the maximum allowable internal static pressure for "Coil Only" systems)

MCA	A	0.2
Drain Pipe Size	In. (mm)	3/4 (19.05)
External Finish Color	Galvanized Steel	

## Outdoor Unit Specifications:

MCA	A	19
MOCP	A	26
Fan Motor Output	kW	0.086
Airflow Rate (Cooling/Heating)	CFM	1,940 / NA
Sound Pressure Level, Cooling <sup>1</sup>	dB(A)	47
Sound Pressure Level, Heating <sup>2</sup>	dB(A)	NA
Refrigerant Control	Electronic Expansion Valve	
Compressor Oil Type / Charge	oz.	FV50S (23)
External Finish Color	Ivory Munsell 3Y 7.8/1.1	
Unit Weight	kg (lbs)	68 (151)
Unit Dimensions	W: In. (mm)	37-13/32 (950)
	D: In. (mm)	13 + 63/64 (300 + 25)
	H: In. (mm)	37-1/8 (943)
Gas Pipe Size O.D. (Flared)	In. (mm)	5/8 (15.88)
Liquid Pipe Size O.D. (Flared)	In. (mm)	3/8 (9.52)
Maximum Height Difference	Ft. (m)	100 (30)
Maximum Piping Length	Ft. (m)	100 (30)

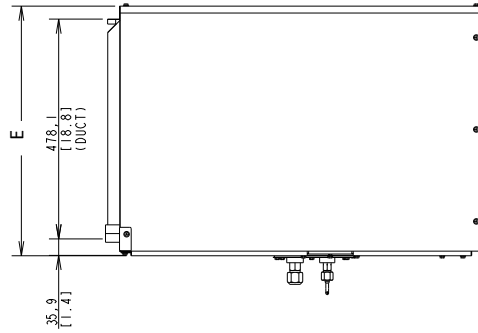
## Description: (Optional Controls)

Description: (Optional Controls)	Model No.
Wired wall mounted remote control	PAR-40MAAU
Wireless wall mounted remote control	MHK2
North American T-Stat Interface	RMF-CA100

## Indoor Unit Outline and Dimensions:

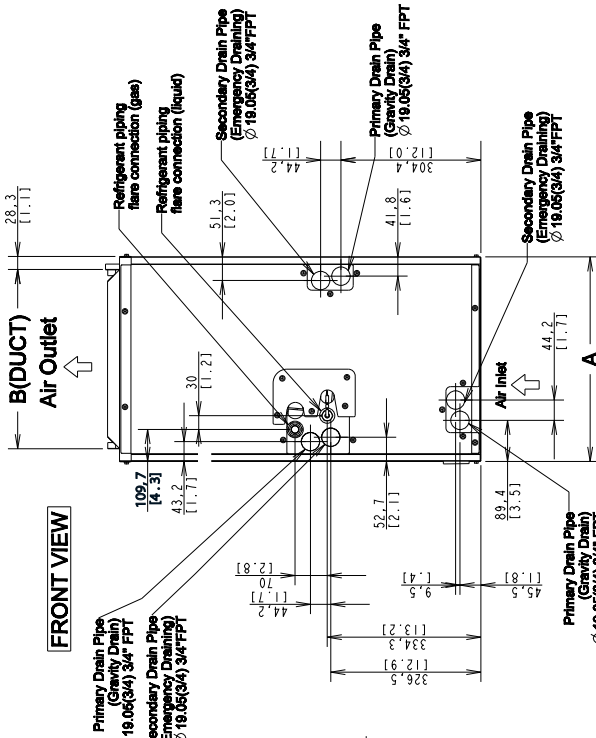
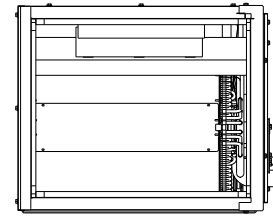
Unit: mm [in.]

TOP VIEW



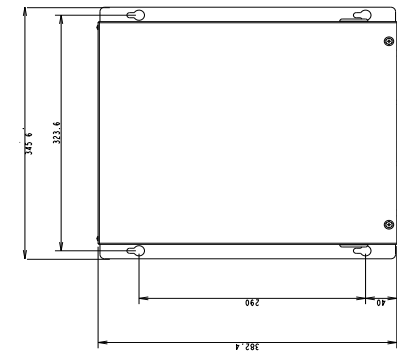
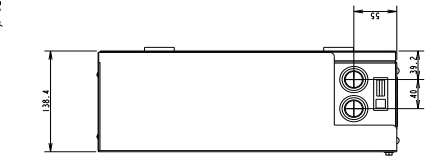
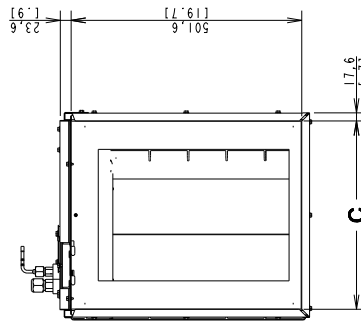
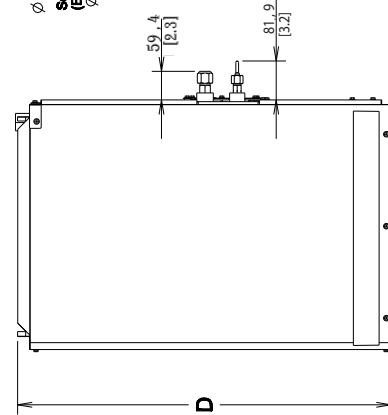
RIGHT SIDE VIEW

BOTTOM VIEW



FRONT VIEW

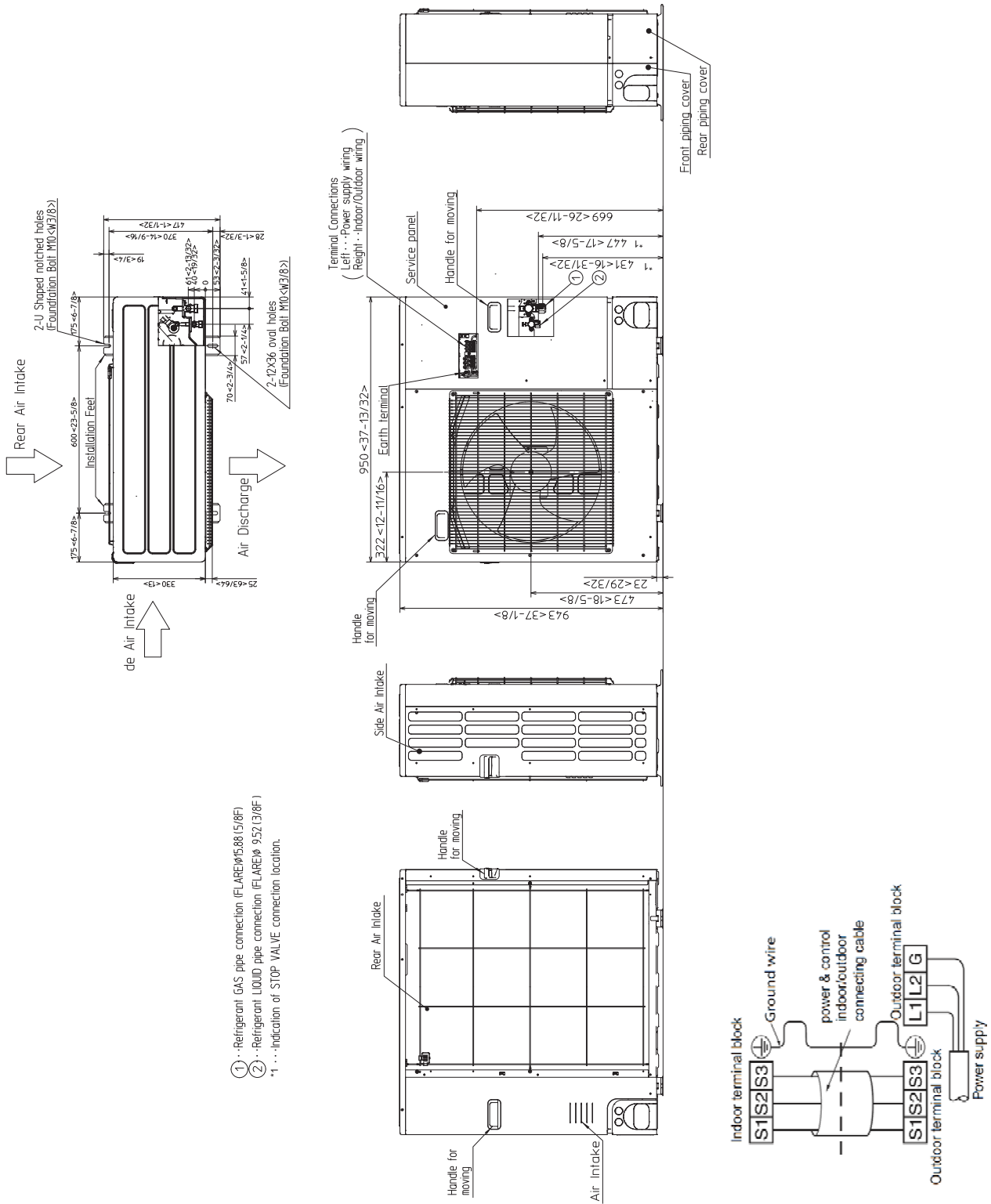
LEFT SIDE VIEW



Model	A mm (inches)	B mm (inches)	C mm (inches)	D mm (inches)	E mm (inches)
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-A30BA1	445.0 (17-1/2)	390 (15-5/16)	409.6 (16-1/8)	670.2 (26-3/8)	543 (21-3/8)

## Outdoor Unit Outline and Dimensions:

Unit: mm<in>



- ① Refrigerant GAS pipe connection (FLARE) Ø15.88 (5/8F)
- ② Refrigerant LIQUID pipe connection (FLARE) Ø 9.52 (3/8F)
- \*1 ... Indication of STOP VALVE connection location.

