MITSUBISHI ELECTRIC
Changes for the Better

P-SERIES

SUBMITTAL DATA: PLA-A24EA7 & PUZ-A24NHA7

24,000 BTU/H CEILING CASSETTE HEAT PUMP SYSTEM

Job Name:	Engineer:
Purchaser:	Application:
Submitted To:	For: ☐ Reference ☐ Approval ☐ Construction
Submitted By:	Location:
System Designation:	Schedule No.:

Indoor Unit: PLA-A24EA7

Outdoor Unit: PUZ-A24NHA7 (-BS)

UNIT OPTION:

☐ Standard Model.....PUZ-A24NHA7
☐ Seacoast (BS) Model.....PUZ-A24NHA7-BS

ACCESSORIES:

Indoor Unit

☐ Multifunction Casement / High Efficiency Filter (PAC-SJ41TM-E / PAC-SH59KF-E)
☐ Grille with 3D i-see Sensor™ (PLP-41EAEU) - (Required ordered separately)
☐ External Heater Adaptor (PAC-SE56RA-E)

Optional Controls

☐ Wireless Controller (MHK1)
☐ Advanced Wired Controller (PAR-40MAA)
☐ Simple Wired Controller (PAC-YT53CRA)
☐ Thermostat Interface (PAC-US444CN)
☐ Wireless Remote Controller (PAR-FL32MA)(Requires Signal Receiver (PAR-SR4LU-E))
☐ M-NET Adapter (PAC-SJ95MA-E)

Outdoor Unit

☐ Front Wind Guard (PFR-24-30)
☐ Side Wind Guard (PSD-24-30) ☐ Rear Wind Guard (PRE-24-30)

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s). Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.

SPECIFICATIONS:

Rated Conditions (Capacity / Input)*		
Cooling	Btu/h / W	24,000 / 1,670
Heating at 47ºF	Btu/h / W	26,000 / 1,750
Heating at 17ºF	Btu/h / W	14,900 / 1,600

* Rating Conditions per AHRI Standard:
Cooling | Indoor: 80ºF (27ºC) DB / 67ºF (19ºC) WB; Outdoor: 95ºF (35ºC) DB / 75ºF (24ºC) WB
Heating at 47ºF | Indoor: 70ºF (21ºC) DB / 60ºF (16ºC) WB; Outdoor: 47ºF (8ºC) DB / 43ºF (6ºC) WB
Heating at 17ºF | Indoor: 70ºF (21ºC) DB / 60ºF (16ºC) WB; Outdoor: 17ºF (-8ºC) DB / 15ºF (-9ºC) WB

Capacity Range		
Cooling	Btu/h	10,000 - 24,000
Heating at 47ºF	Btu/h	9,000 - 29,000

Operating Range	
Cooling	0ºF** (-18ºC) to 115ºF (46ºC) DB
Heating	-4ºF (-20ºC) to 70ºF (21ºC) DB

** Windscreens required for cooling operation below 23°F (-5°C)

AHRI Efficiency Ratings	
EER	14.3
SEER	24.2
HSPF IV / V	11.2 / 8.1
COP at 47º F	4.35
COP at 17º F	2.72

Specifications are subject to change without notice.

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz

Minimum Circuit Ampacity (MCA) *		Breaker Size	MOCP (Outdoor)
Indoor 1 AMP	Outdoor 19 AMP	25 AMP	26 AMP

***All electrical work shall comply with National (CEC) and local codes and regulations.**

Indoor Unit		
Fan Motor (ECM)	F.L.A.	0.60
Fan Motor Output	W	120
SHF / Moisture Removal		0.86 / 3.0 pt./h
Drain Lift Mechanism (Included)	H: In.	33-7/16
Field Drainpipe Size O.D	in. (mm)	1-1/4 (32)

Outdoor Unit		
Compressor		DC INVERTER-driven Twin Rotary
Fan Motor (ECM)	F.L.A.	0.4
Fan Motor Power	W	86

Airflow Rate (Low-M1-M2-Hi)			
Indoor (Cooling)	DRY	CFM	530-640-710-810
	WET		490-600-670-770
Outdoor	DRY		1,940

Sound Pressure Level			
Indoor (Low-M1-M2-Hi)		dB(A)	28-30-33-36
Outdoor	Cooling		47
	Heating		48

External Dimensions		
Indoor (H x W x D) Grille ([H x W x D)]	In.(mm)	11-3/4 [1-9/16] x 33-3/32 [37-13/32] x 33-3/32 [37-13/32] (298 [40] x 840 [950] x 840 [950])
Outdoor (H x W x D)		37-1/8 x 37-13/32 x 13 + 1-3/16 (943 x 950 x 330 + 30)

Net Weight		
Indoor (Unit / Grille)	Lbs.(kg)	56 / 11 (25 / 5)
Outdoor		153 (69)

External Finish	
Indoor	Munsell 1.0Y 9.2/0.2
Outdoor	Ivory Munsell No. 3Y 7.8 / 1.1

Refrigerant	R410A ; 7lbs., 11oz. (3.5kg)

Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	3/8 (9.52)
Gas (Low Pressure)		5/8 (15.88)
Maximum Total Refrigerant Pipe Length	Ft. (m)	165 (50)
Maximum Vertical Separation	Ft. (m)	100 (30)

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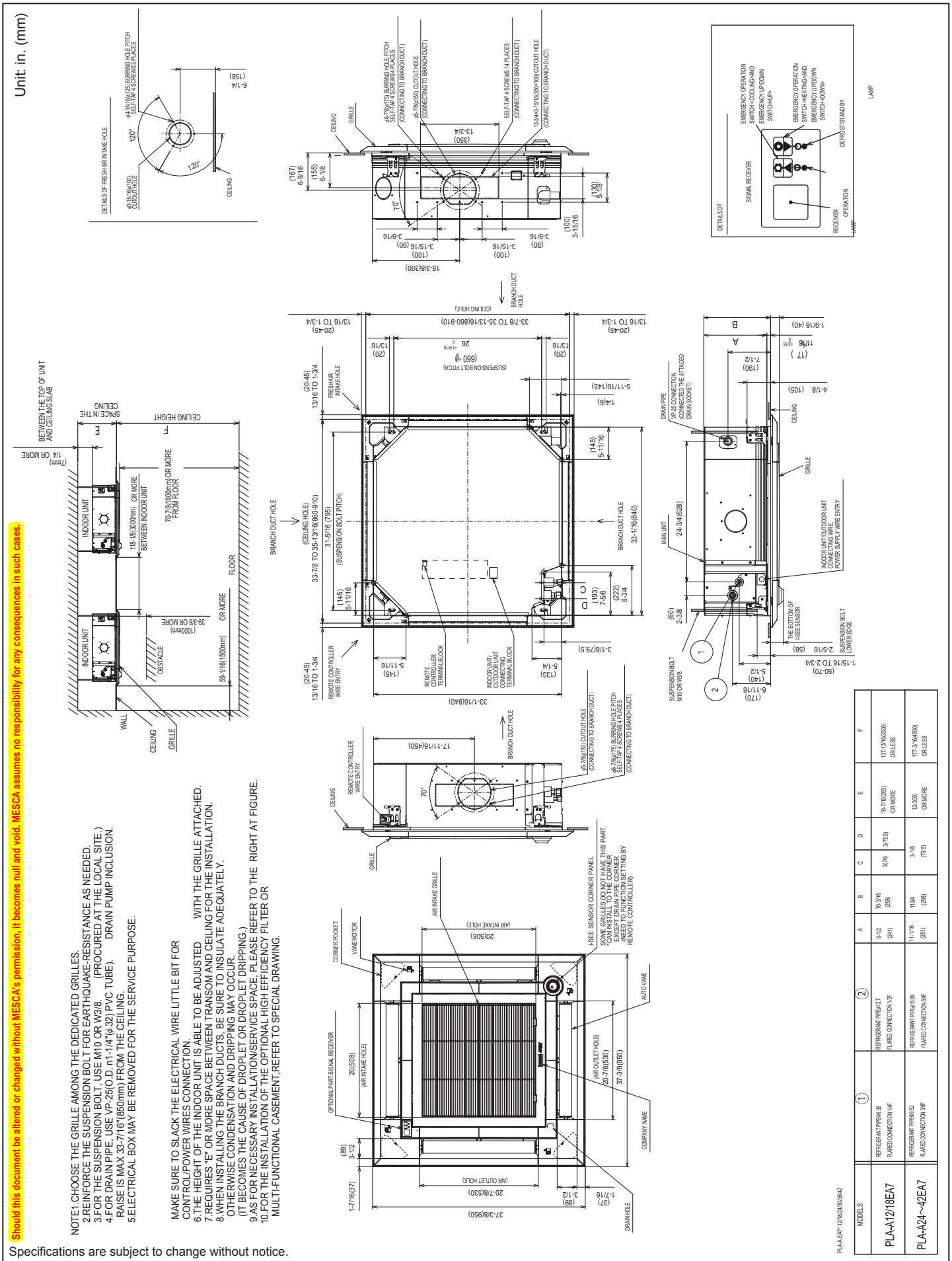
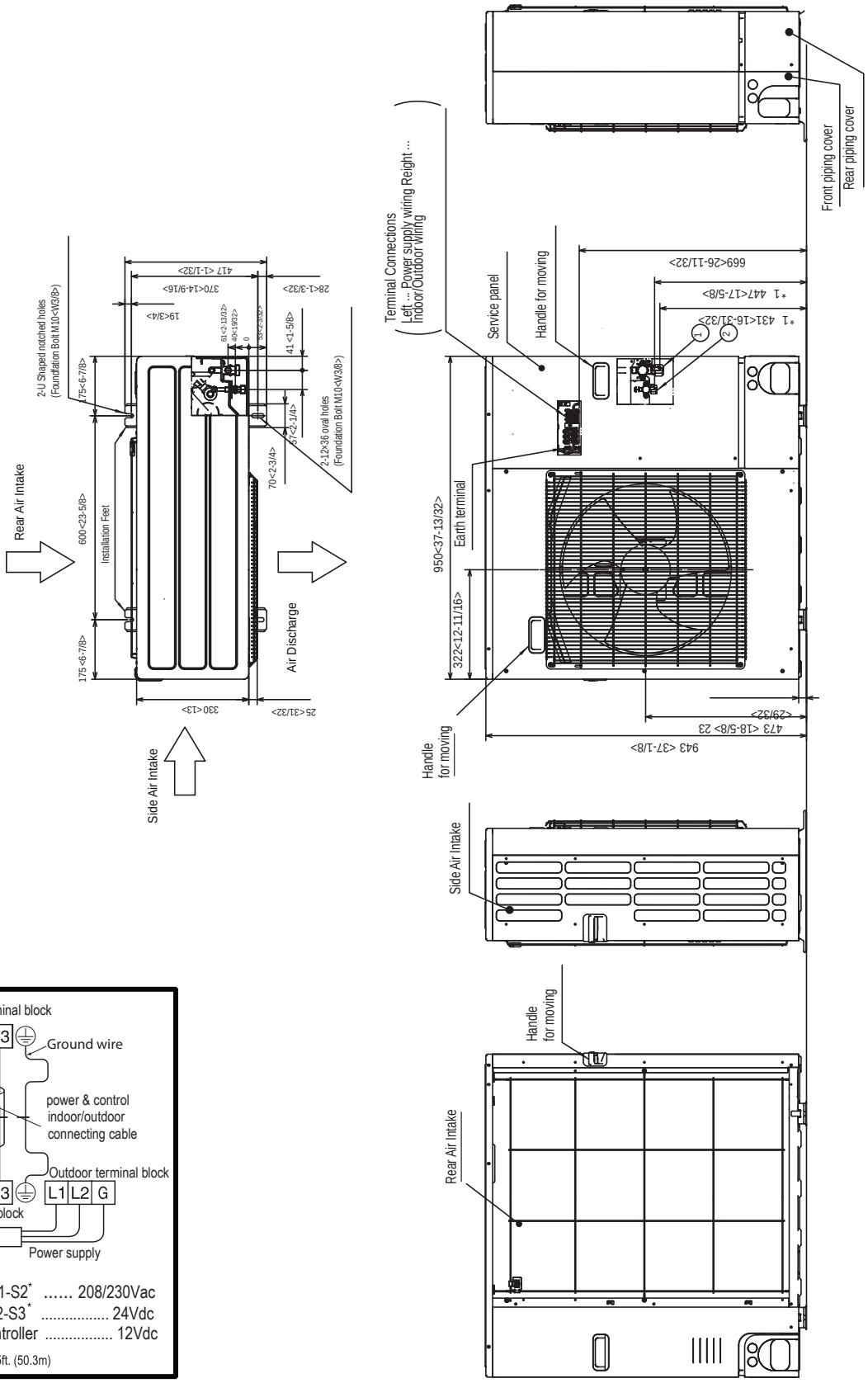
DIMENSIONS: PLA-A24EA7



DIMENSIONS: PUZ-A24NHA7

Unit: mm (in.)



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AHRI CERTIFIED™ www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.
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