

Submittal Data Sheet

CS-HM60BAMU3 -- Indoor A-Coil

CU-HM55BAHU -- Outdoor Extreme Heat Pump

Panasonic

Dual Fuel Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION

ESP(in.W.G)	0 - 0.8
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	-
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	-
Dimension (WxDxH)	inch 21.61 x 21.5 x 27.8
	mm 549 x 546 x 706
Package (WxDxH)	inch 31.1 x 25 x 25.59
	mm 790 x 635 x 650
Net/Gross Weight	lbs 96.78/115.08
	kg 43.9/52.2

OUTDOOR SPECIFICATION

Compressor Type	TWIN-ROTARY
Compressor Model	ETPQ480D66UMU1
Refrigerant	R454B
Refrigerant Oil Charge(mL)	1300
Refrigerant Oil	VG75
Outdoor Air Flow (Max) (CFM)	2,649
Outdoor Noise Level (dBA)	64
Dimension (WxDxH)	inch 37.48 x 16.34 x 52.48
	mm 952 x 415 x 1333
Package (WxDxH)	inch 43.11 x 19.49 x 58.27
	mm 1095 x 495 x 1480
Net/Gross Weight	lbs 242.95/275.13
	kg 110.2/124.8

EFFICIENCY

Cooling		Heating	
SEER2	15.9	HSPF2-4	8.5
EER2	10	COP	2.8

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	52,000
Min/Max Capacity	23400 ~ 55500
Moisture Removal(L/h)	8.4
Standard Operating Range(*F/C)	-22~122(-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	56,000
1. @ 47°F Min/Max Capacity	11700 ~ 61300
2. @ 17°F Rated	37,800
3. @ 5°F Rated: Capacity / COP	45000/1.8
3. @ 5°F Max: Capacity	45,000
Standard Operating Range(*F/C)	-22~75(-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

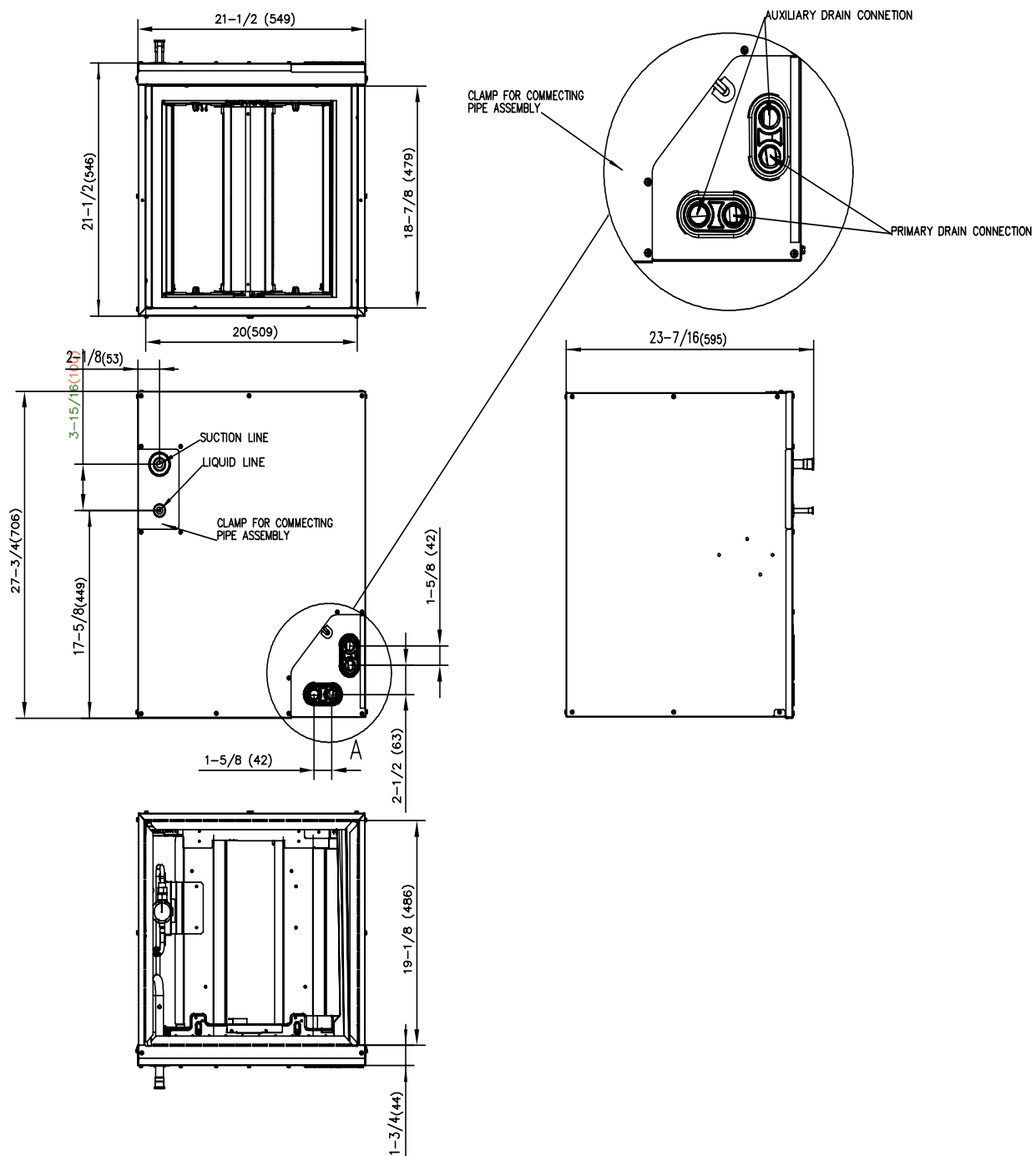
ELECTRICAL

Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	-
Indoor MOP	-
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	40
Outdoor MOP	40
Communication Wiring	AWG 20-2
Compressor RLA	31
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	-
Indoor Fan Motor RLA	-
Indoor Fan Motor W	-
System Power Input @ Cooling (W)	5200(1870 ~ 6000)
System Power Input @ Heating (W)	5861(1090 ~ 6270)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

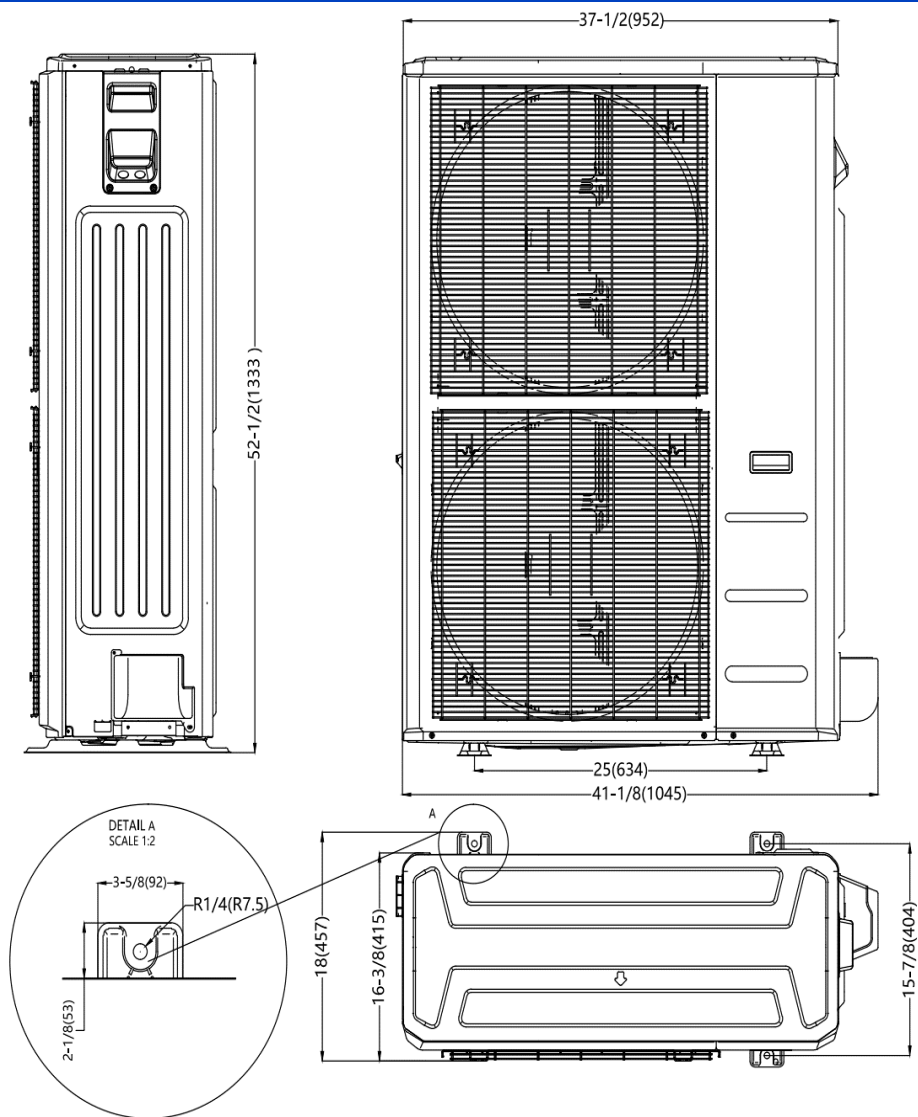
PIPING

Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	246(75)
Max. Height Difference(ft/m)	98(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	183.42(5.2)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.7(65)
Connection Method	Flared

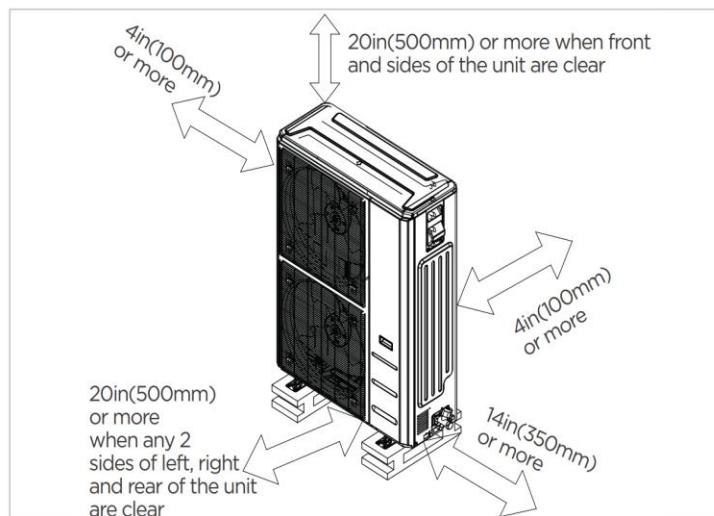
Indoor Unit Dimension



Outdoor Unit Dimension



Installation Instruction For Outdoor Unit



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- R454B refrigerant sensor
- Easy Maintenance
- Multiple control options available:
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Third-Party 24V Thermostat