

# SUBMITTAL DATA SHEET



Series Name: Console Energy Star Series  
Model Number: MFAHU-H12B-2A/MO1ES-H12B-2A

## Console Heat Pump System

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



## INDOOR SPEINDOOR SPECIFICATIONCIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	441 / 377 / 324 / 188 / 130	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	42 / 39 / 34.5 / 29.5 / 23.5	
Dimension (W×D×H)	inch	31-1/4 x 7-7/8 x 24-1/2
	mm	794 x 200 x 621
Package (W×D×H)	inch	34 x 11 x 28-1/4
	mm	865 x 280 x 719
Net/Gross Weight	lbs	33 / 42
	kg	14.9 / 19.0

## OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Compressor Model	KSK103D33UEZ3	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	310	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1,236	
Outdoor Noise Level (dBA)	54.5	
Dimension (W×D×H)	inch	30-1/8 x 11-7/8 x 21-7/8
	mm	765 x 303 x 555
Package (W×D×H)	inch	34-7/8 x 13-1/4 x 24
	mm	887 x 337 x 610
Net/Gross Weight	lbs	62 / 68
	kg	28.2 / 30.7

## EFFICIENCY

Cooling		Heating	
SEER2	24.6	HSPF2-4	11.0
EER2	12.7	COP	3.90

## PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	12,000
Min/Max Capacity	4,000~13,100
Moisture Removal(L/h)	1.28
Standard Operating Range(*F/*C)	-13~122 (-25~50)
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	12,000
1. @ 47°F Min/Max Capacity	5,100~12,900
2. @ 17°F Rated	9,000
3. @ 5°F Rated: Capacity / COP	8,900 / 2.5
3. @ 5°F Max: Capacity	8,900
Standard Operating Range(*F/*C)	-13~75 (-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

## ELECTRICAL

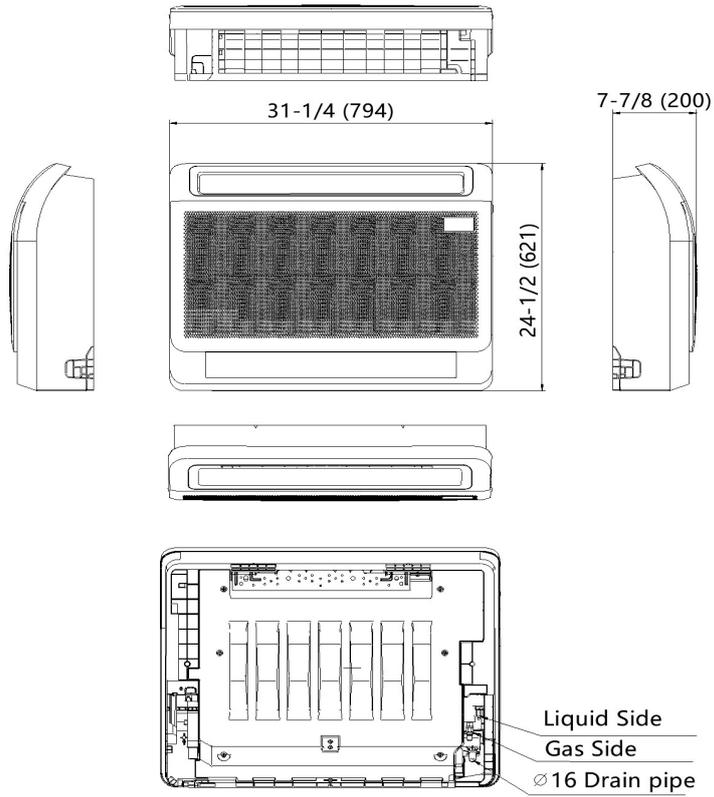
Power Supply	208 / 230 V, 60 Hz, 1 Ph	
System MCA	12.0	
Connection Wiring	AWG 14/4	
System MOCP	15.0	
Compressor RLA	7.3	
Outdoor Fan Motor RLA	0.6	
Outdoor Fan Motor W	34	
Indoor Fan Motor RLA	0.5	
Indoor Fan Motor W	13	
System Power Input @ Cooling (W)	960 (200~1,140)	
System Power Input @ Heating (W)	897 (265~1,200)	
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)	
RLA: Rated load amps (A)	W: Fan motor rated output (W)	

## PIPING

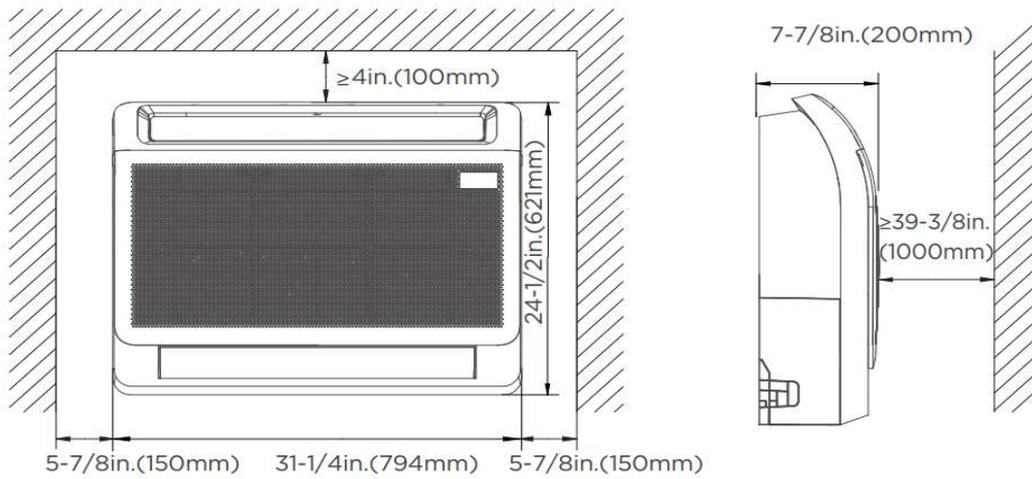
Throttle type(Indoor)	N/A	
Throttle type(Outdoor)	EXV	
Liquid Size	1/4" (6.35 mm)	
Gas Size	3/8" (9.52 mm)	
Max. Piping Length(ft/m)	82 (25)	
Max. Height Difference(ft/m)	49 (15)	
Max. Pre-charged Length(ft/m)	25 (7.5)	
Refrigerant Pre-charged Amount(oz/kg)	32 (0.92)	
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.16 (15)	
Connection Method	Flared	

### Indoor Unit Dimension

Unit: inch (mm)

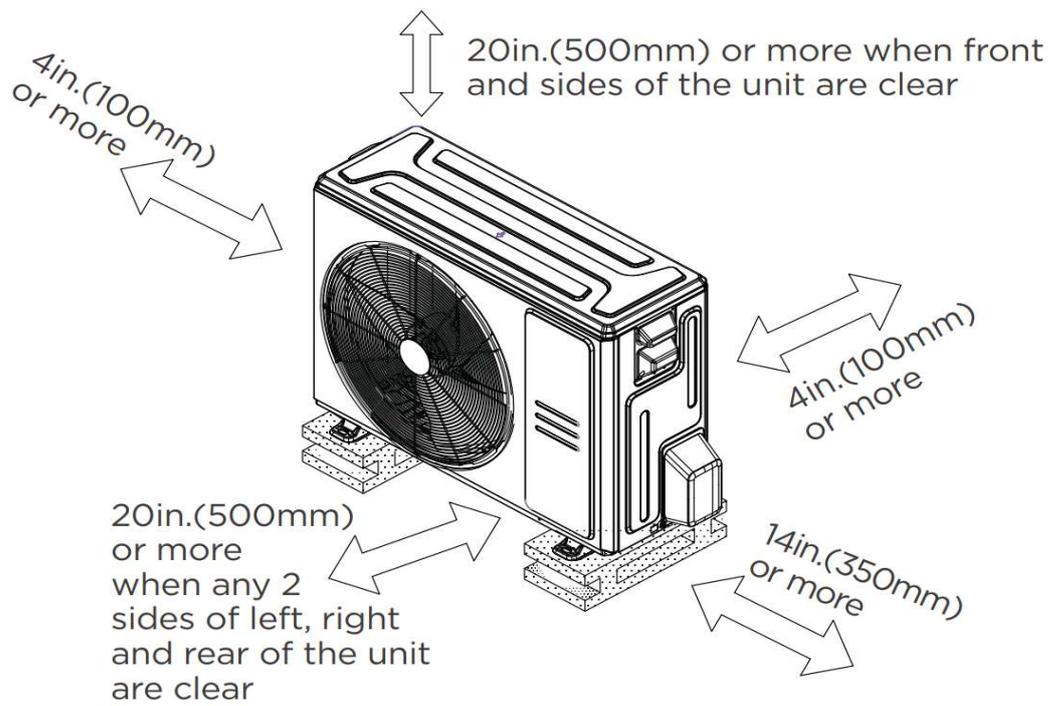


### Installation Instruction



Outdoor Unit Dimension

Unit: inch (mm)



## FEATURES

- Compact Design
- Dual Air Outlets
- Refrigerant leakage detection sensor
- Humidity sensor
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in Wi-Fi
- OTA(by using WiFi dongle)
- Multiple control options available:
  - Two-way communication wired controller with built-in Wi-Fi:120N(X6W)
  - Wireless remote controller
  - Third-Party 24V Thermostat\*

\*24V interface is required.