R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: EP Energy Star Series
Model Number: MSEHU-H12B-2A/MO1ES-H12B-2A

High Wall Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		441 / 324 / 230 / 177 / 147
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		46 / 38 / 33 / 18 / 18
Dimension (W×D×H)	**inch**	31-3/8 x 8-7/8 x 11-5/8
	mm	795 x 225 x 295
Package (W×D×H)	**inch**	36-1/4 x 12-1/4 x 14-5/8
	mm	920 x 310 x 370
Net/Gross Weight	**lbs**	23 / 30
	kg	10.4/13.3

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KSK103D33UEZ3
Refrigerant		R454B
Refrigerant Oil Charge(mL)		310
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1,235
Outdoor Noise Level (dBA)		56
Dimension (W×D×H)	**inch**	30-1/8 x 11-7/8 x 21-7/8
	mm	765 × 303 × 555
Package (W×D×H)	**inch**	34-7/8 x 13-1/4 x 24
	mm	887 × 337 × 610
Net/Gross Weight	**lbs**	63 / 68
	kg	28.2 / 30.7

EFFICIENCY			
Cooling		**Heating**	
SEER2	25.5	**HSPF2-4**	10.6
EER2	13	**COP**	3.90

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
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	20
System Power Input @ Cooling (W)	916 (185 ~ 1,270)
System Power Input @ Heating (W)	902 (225 ~1,290)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	12,000
Min/Max Capacity	2,900~14,500
Moisture Removal(L/h)	1.1
Standard Operating Range(°F/℃)	-13~122 (-25～50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

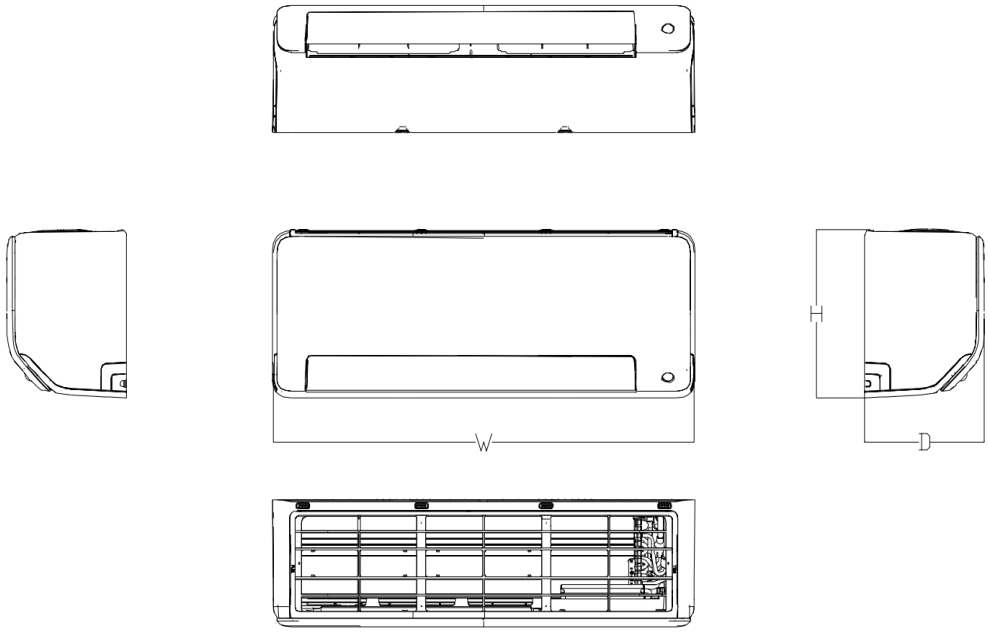
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	12,000
1. @ 47°F Min/Max Capacity	4,500~15,400

PIPING	
Throttle type(Indoor)	N/A

2. @ 17℉ Rated	9,300
3. @ 5℉ Rated: Capacity / COP	8,400/2.30
3. @ 5℉ Max: Capacity	8,400
Standard Operating Range(℉/℃)	-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

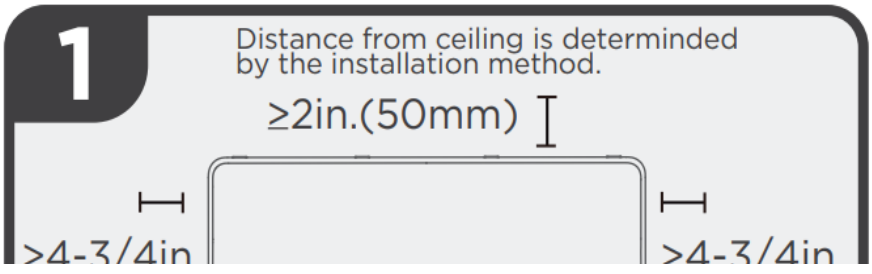
Throttle type(Outdoor)	EXV
Liquid Size	1/4" (6.35mm)
Gas Size	3/8" (9.52mm)
Max. Piping Length(ft/m)	82 (25)
Max. Height Difference(ft/m)	49 (15)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/g)	32 (0.92)
Additional Charge of Refrigerant((oz/ft)/(g	0.16 (15)
Connection Method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

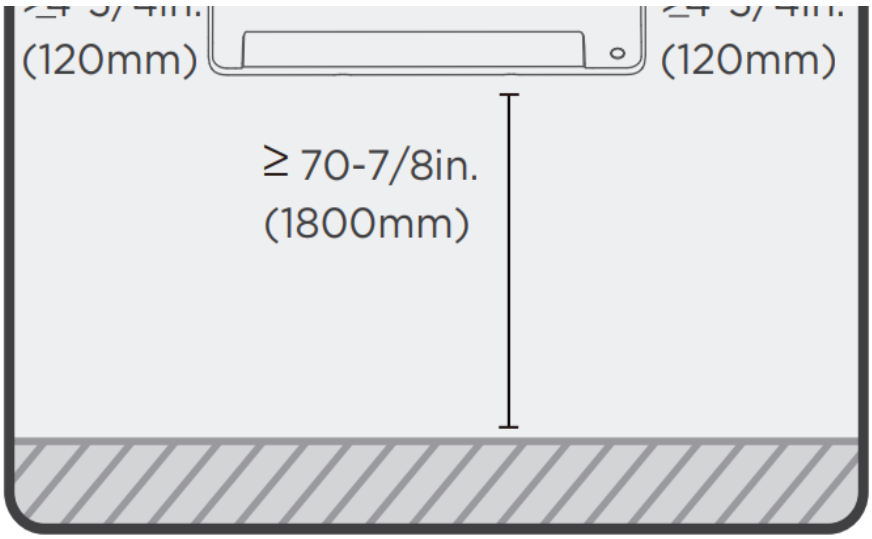
Indoor Unit Dimension



Capacity	Body Code	Unit	W	D	H
6k~12k	B	mm	795	225	295
		inch	31-3/8	8-7/8	11-5/8
12k~18k	C	mm	965	239	319
		inch	38	9-3/8	12-1/2
24k~36k	D	mm	1140	275	370
		inch	44-7/8	10-7/8	14-1/2

Installation Instruction

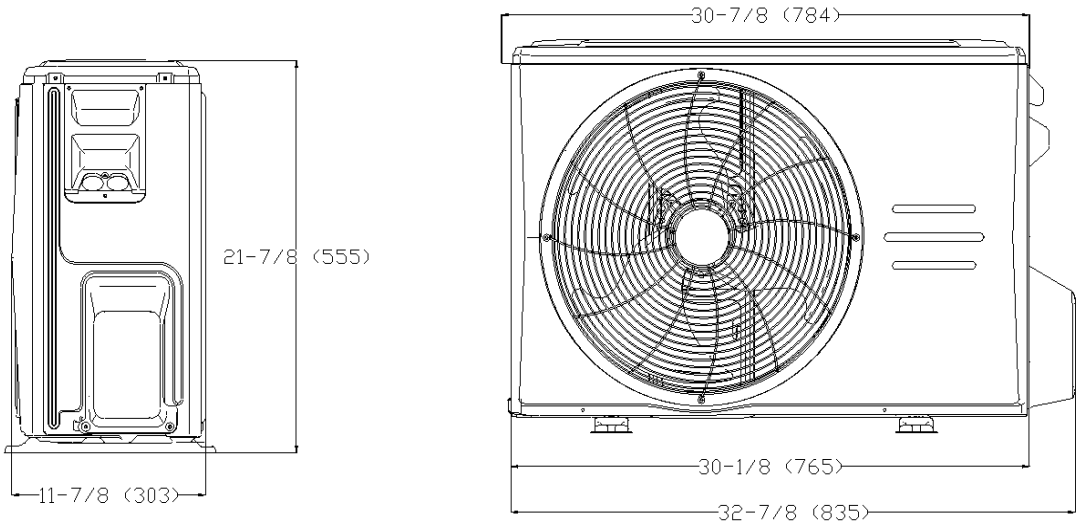


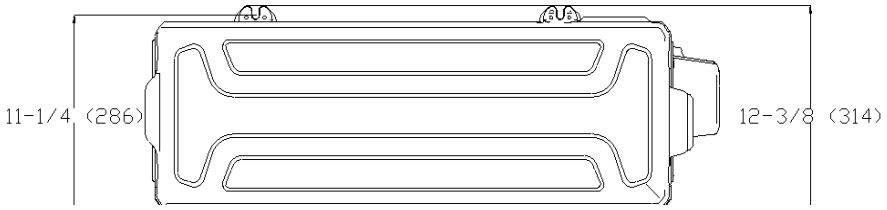


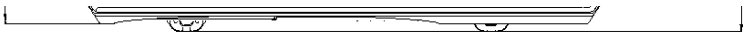
Select Installation Location

Outdoor Unit Dimension

Unit: inch (mm)







Installation Instruction

