R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: EP Energy Star Series
Model Number: MSEHU-H24B-2A/MO1ES-H24B-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)		812 / 618 / 412 / 318 / 318
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		52 / 44 / 40 / 22 / 19
Dimension (W×D×H)	**inch**	44-7/8 x 10-7/8 x 14-1/2
	mm	1140 x 275 x 370
Package (W×D×H)	**inch**	50-3/8 x 14-1/8 x 17-7/8
	mm	1280 x 360 x 455
Net/Gross Weight	**lbs**	44 / 56
	kg	19.8/25.2

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2,235
Outdoor Noise Level (dBA)		58
Dimension (W×D×H)	**inch**	37-1/4 x 16-1/8 x 31-7/8
	mm	946 × 410 × 810
Package (W×D×H)	**inch**	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 × 500 × 885
Net/Gross Weight	**lbs**	122 / 132
	kg	55.4 / 60.0

EFFICIENCY			
Cooling		**Heating**	
SEER2	23	**HSPF2-4**	11.7
EER2	14.0	**COP**	3.96

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	24.0
Connection Wiring	AWG 14/4
System MOCP	25.0
Compressor RLA	15.4
Outdoor Fan Motor RLA	1.0
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	1.3
Indoor Fan Motor W	58
System Power Input @ Cooling (W)	1,714 (560 ~ 2,570)
System Power Input @ Heating (W)	1,852 (520 ~3,150)
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	24,000
Min/Max Capacity	5,500~29,500
Moisture Removal(L/h)	2.3
Standard Operating Range(°F/℃)	-13~122 (-25～50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

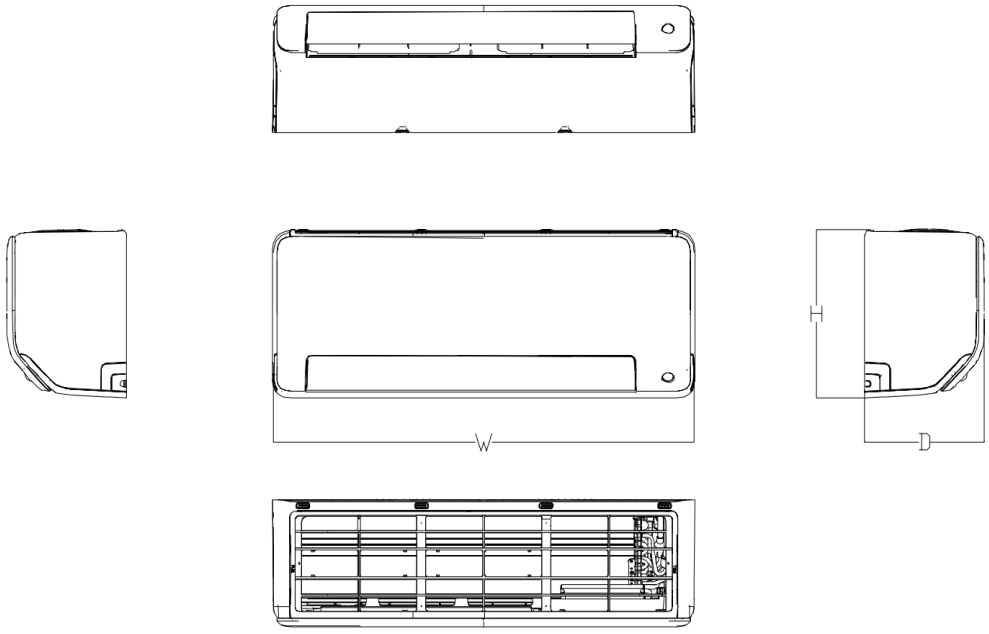
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	25,000
1. @ 47°F Min/Max Capacity	9,900~30,800

PIPING	
Throttle type(Indoor)	N/A

2. @ 17℉ Rated	18,800
3. @ 5℉ Rated: Capacity / COP	19,600/2.54
3. @ 5℉ Max: Capacity	19,600
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

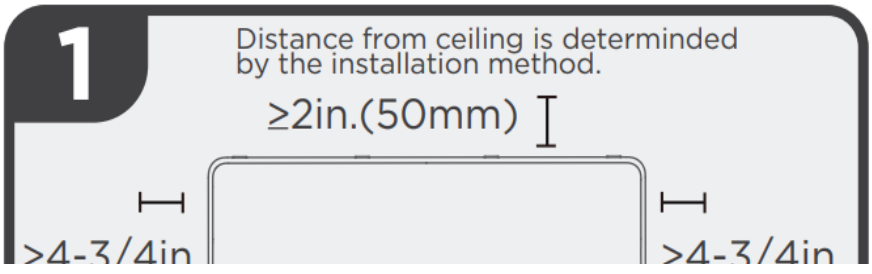
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	3/8" (9.52mm)
Gas Size	5/8" (15.9mm)
Max. Piping Length(ft/m)	164 (50)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/g)	71 (2)
Additional Charge of Refrigerant((oz/ft)/(g	0.32 (30)
Connection Method	Flared

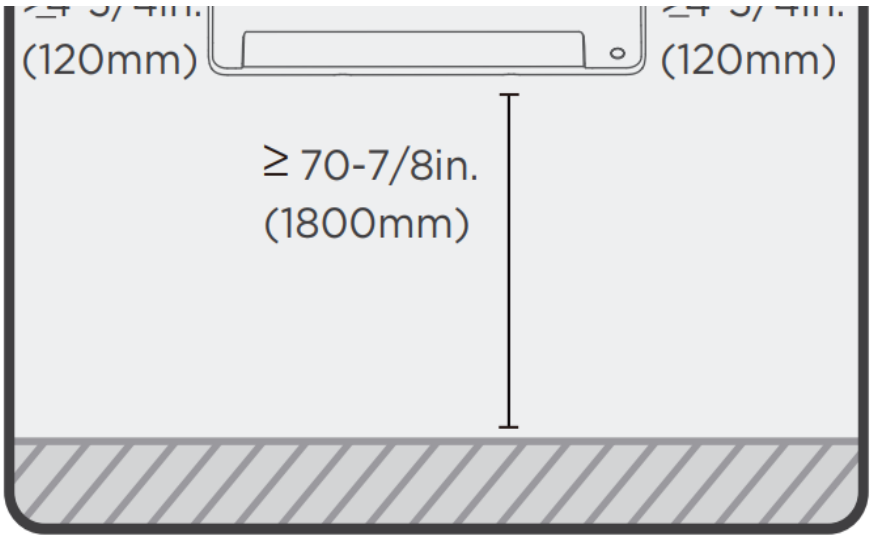
Indoor Unit Dimension



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

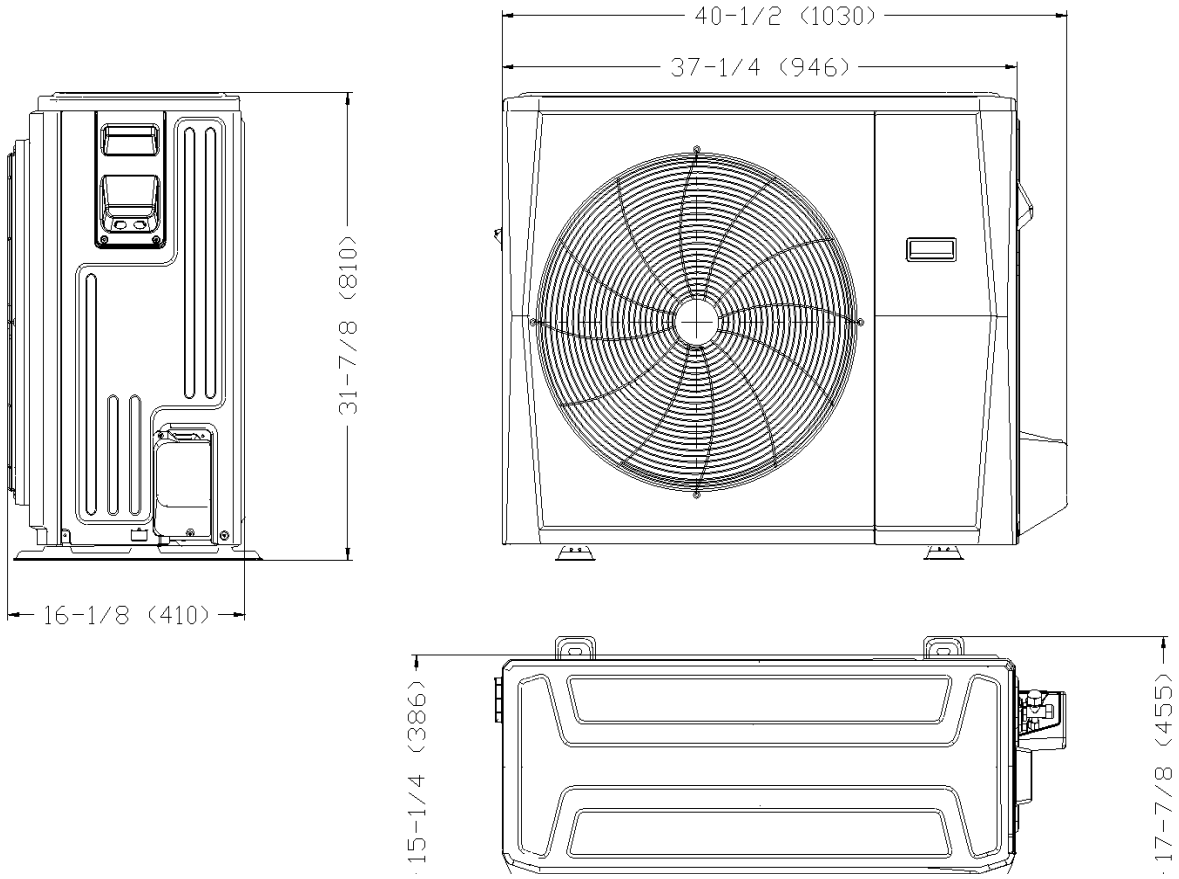




Select Installation Location

Outdoor Unit Dimension

Unit: inch (mm)





Installation Instruction

