R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: EP Energy Star Series
Model Number: MSEHU-H18B-2A/MO1ES-H18B-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)		636 / 500 / 359 / 294 / 294
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		49 / 45 / 39 / 28 / 20
Dimension (W×D×H)	**inch**	38 x 9-3/8 x 12-1/2
	mm	965 x 239 x 319
Package (W×D×H)	**inch**	43-1/2 x 12-3/4 x 15-3/4
	mm	1095 x 325 x 400
Net/Gross Weight	**lbs**	27 / 37
	kg	12.4/16.6

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KSN140D58UFZ
Refrigerant		R454B
Refrigerant Oil Charge(mL)		440
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1,765
Outdoor Noise Level (dBA)		58
Dimension (W×D×H)	**inch**	35 x 13-1/2 x 26-1/2
	mm	890 × 342 × 673
Package (W×D×H)	**inch**	39-1/8 x 15-5/8 x 29-1/8
	mm	995 × 398 × 740
Net/Gross Weight	**lbs**	93 / 100
	kg	42.0 / 45.5

EFFICIENCY			
Cooling		**Heating**	
SEER2	23.5	**HSPF2-4**	10.8
EER2	12.7	**COP**	3.50

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	18,000
Min/Max Capacity	3,500~18,900
Moisture Removal(L/h)	2.0
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	18,000
1. @ 47°F Min/Max Capacity	7,700~21,000

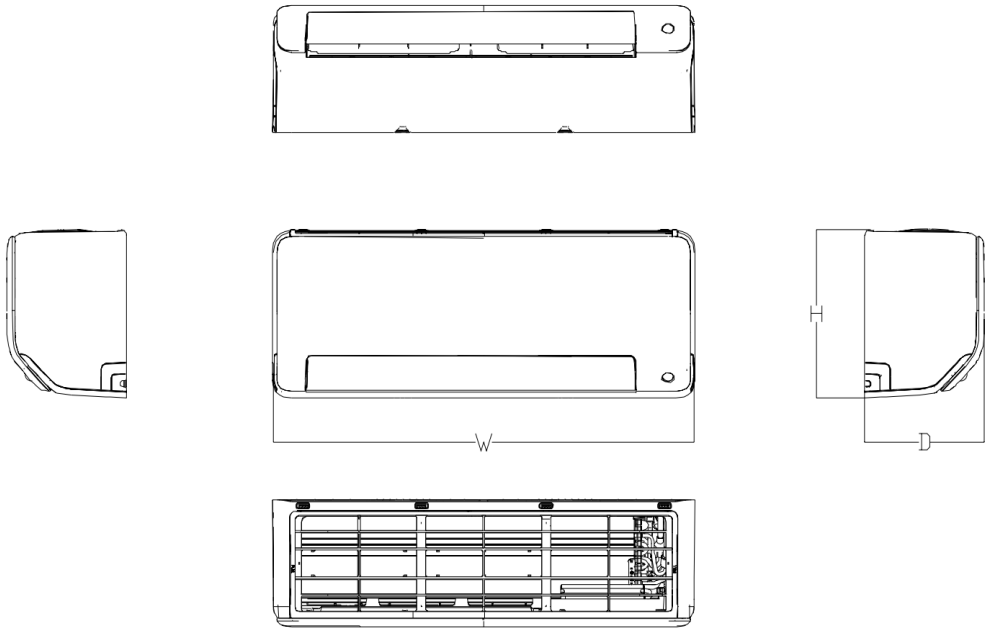
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	18.0
Connection Wiring	AWG 14/4
System MOCP	20.0
Compressor RLA	10.0
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	0.8
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	1,406 (420 ~ 1,630)
System Power Input @ Heating (W)	1,507 (415 ~1,910)
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

2. @ 17℉ Rated	13,600
3. @ 5℉ Rated: Capacity / COP	12,800/2.10
3. @ 5℉ Max: Capacity	12,800
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

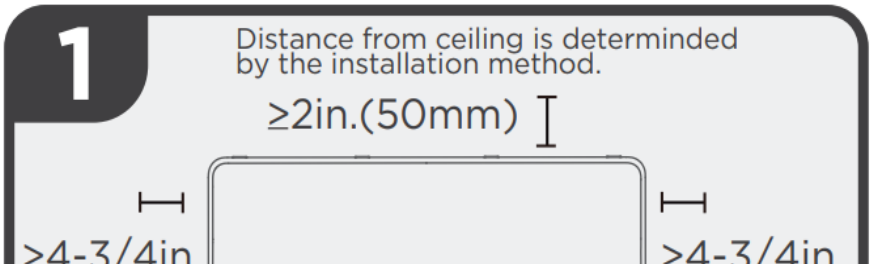
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	1/4" (6.35mm)
Gas Size	1/2" (12.7mm)
Max. Piping Length(ft/m)	98 (30)
Max. Height Difference(ft/m)	65 (20)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/g)	48 (1.36)
Additional Charge of Refrigerant((oz/ft)/(g	0.16 (15)
Connection Method	Flared

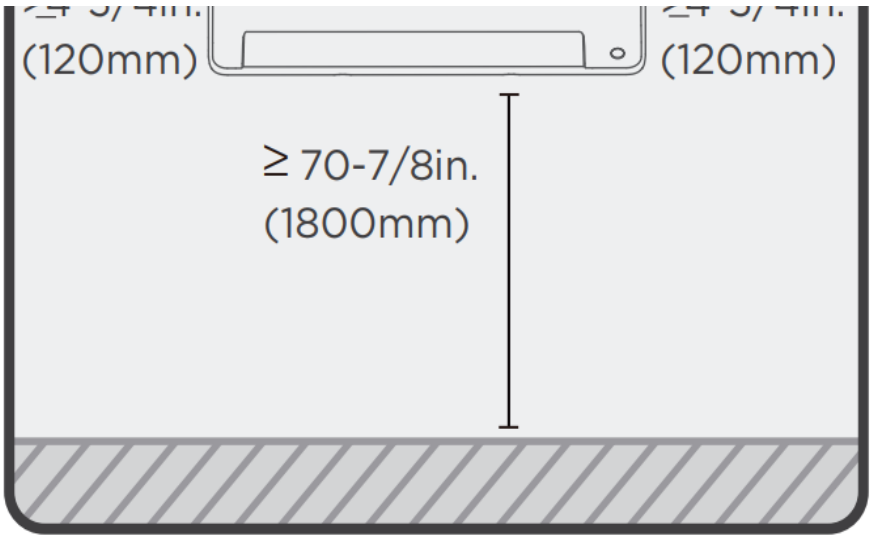
Indoor Unit Dimension



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

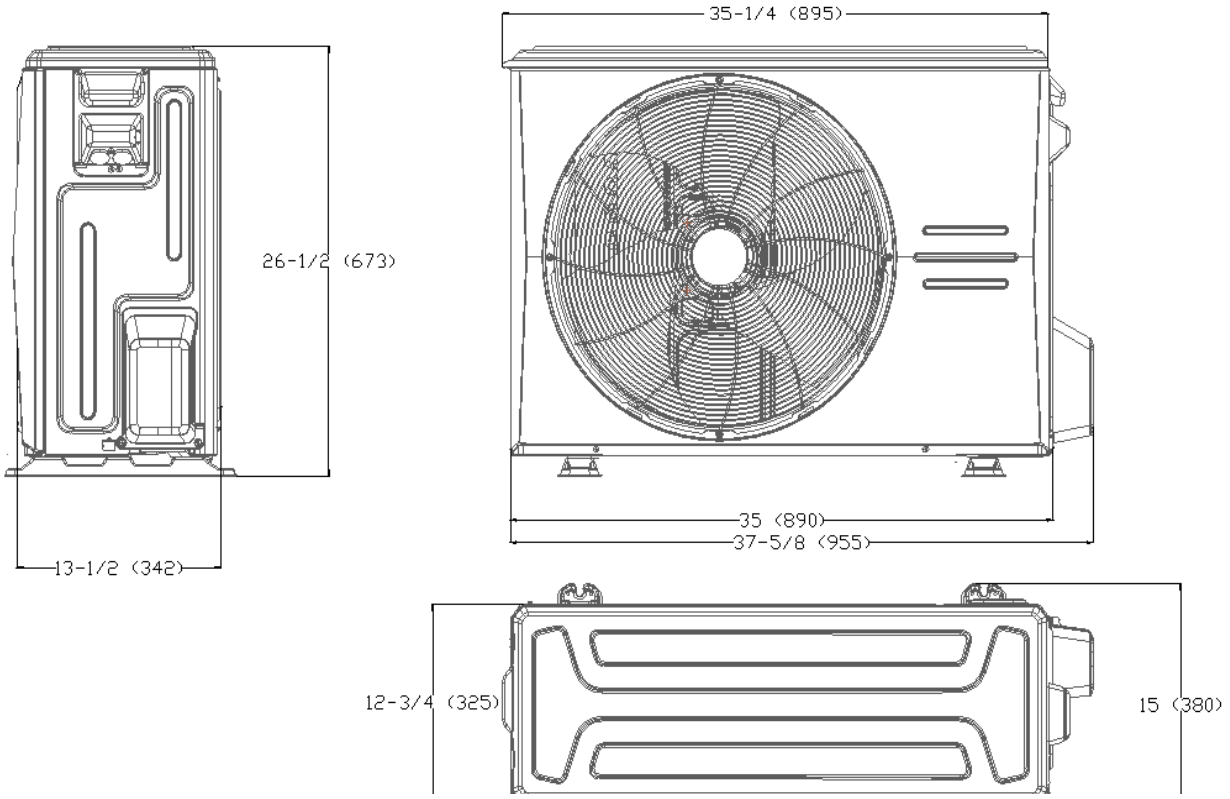




Select Installation Location

Outdoor Unit Dimension

Unit: inch (mm)





Installation Instruction

