R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: EP Entry 30K 36K Series
Model Number: MO1BS-H36B-2A/MSEEU-H36B-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)		883 / 636 / 506 / 383 / 324
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		49 / 49 / 44 / 35 / 32
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**	43 / 55
	kg	19.6 / 24.8

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTF250D22UMT
Refrigerant		R454B
Refrigerant Oil Charge(mL)		670
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2,235
Outdoor Noise Level (dBA)		63
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**	150 / 160
	kg	68.2 / 72.7

EFFICIENCY			
Cooling		**Heating**	
SEER2	19.0	**HSPF2-4**	8.5
EER2	8.6	**COP**	2.85

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	36,000
Min/Max Capacity	6,600~36,800
Moisture Removal(L/h)	4.6
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	36,000
1. @ 47°F Min/Max Capacity	9,600~38,000

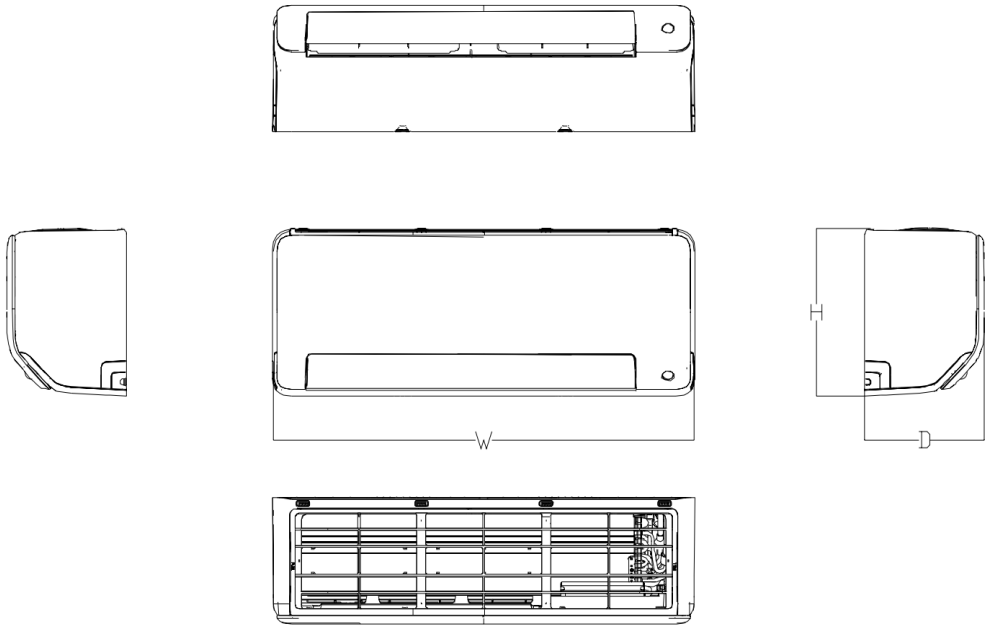
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	33.0
Connection Wiring	AWG 14/4
System MOCP	35.0
Compressor RLA	21.5
Outdoor Fan Motor RLA	1.3
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	58
System Power Input @ Cooling (W)	4,138 (735 ~ 4,390)
System Power Input @ Heating (W)	3,700 (675 ~4,700)
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	24,200
3. @ 5℉ Rated: Capacity / COP	22,000/1.90
3. @ 5℉ Max: Capacity	22,000
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

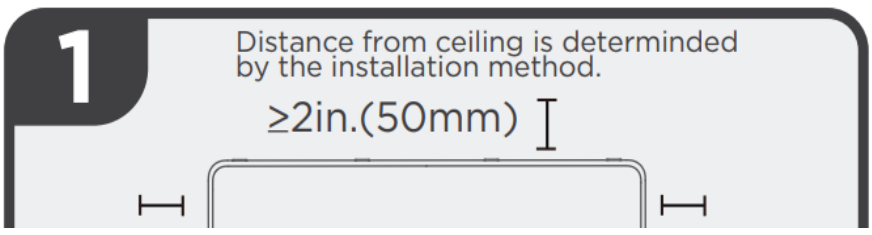
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	3/8" (9.52mm)
Gas Size	5/8" (15.9mm)
Max. Piping Length(ft/m)	213 (65)
Max. Height Difference(ft/m)	98 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/g)	113 (3.2)
dditional Charge of Refrigerant((oz/ft)/(g/m	0.32 (30)
Connection Method	Flared

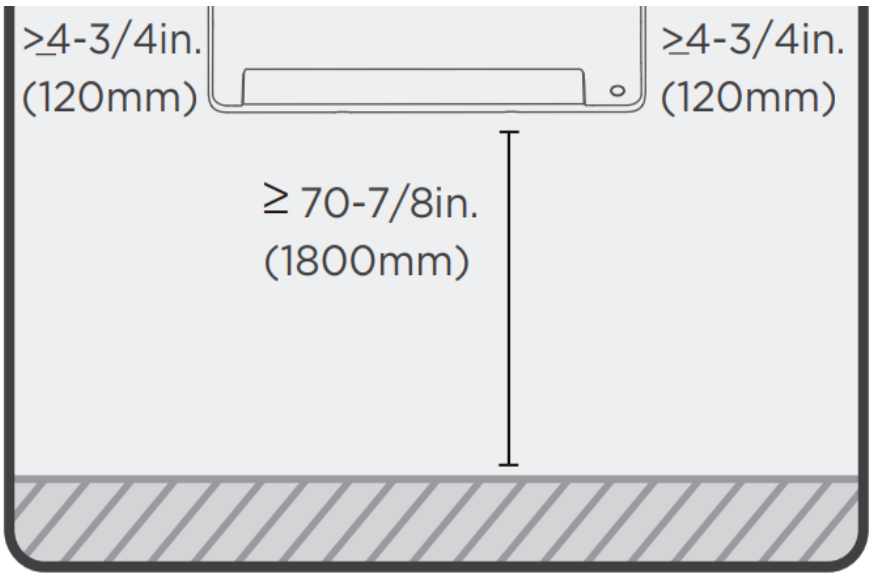
Indoor Unit Dimension



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

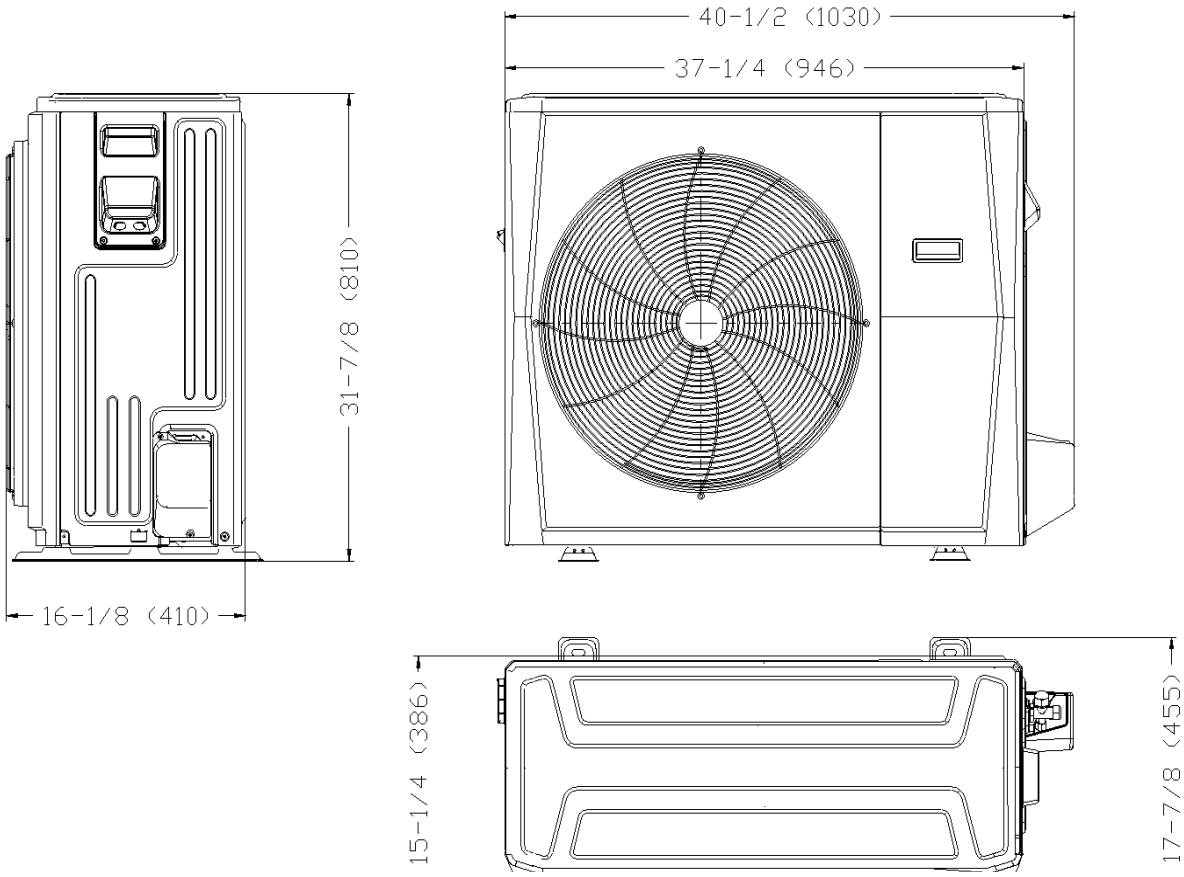




Select Installation Location

Outdoor Unit Dimension

Unit: inch (mm)





Installation Instruction

