## **SUBMITTAL DATA SHEET**



Series Name: Extreme Heat AHU Series
Model Number: MAUSE-H48B-2A/MO1HE-H48B-2A

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



	INDOOR SPEC	CIFICATION		
ESP(i	nWG)	0~0.8		
Indoor Air Flow (Turk	oo/H/M/L/Si) (CFM)	1601 / 1442 / 1265 / 1089 / 1089		
Indoor Noise Level (Turbo/H/M/L/Si) (dBA) 53 / 53 /49.5 /33.5 / 33.5		53 / 53 /49.5 /33.5 / 33.5		
Dimension (W×D×H)	inch	21-1/2 x 21-1/2 x 60-1/8		
	mm	546 × 546 × 1526		
Package	inch	31-1/8 x 25 x 70-3/4		
(W×D×H) mm		790 × 635 × 1800		
	lbs	187 / 232		
Net/Gross Weight	kg	84.6 / 105.3		

	OUTDOOR SPE	ECIFICATION		
Compressor Type		ROTARY		
Compres	sor Model	MTH550UKPC8FU		
Refriç	jerant	R454B		
Refrigerant O	il Charge(mL)	1,800		
Refrige	rant Oil	HAF68D1C		
Outdoor Air Flow (Max) (CFM)		3,037		
Outdoor Noise Level (dBA)		65		
Dimension inch		38-9/16 x 16-3/8 x 38-3/8		
(W×D×H)	mm	980 × 415 × 975		
Package	inch	45-1/16 x 19-11/16 x 42-1/2		
(W×D×H) mm		1145 × 500 × 1080		
Not/Cross Weight	lbs	233 / 202		
Net/Gross Weight	kg	105.5 / 91.4		

EFFICIENCY					
Cooling Heating					
SEER2	17.5	<b>HSPF2-4</b> 9.5			
EER2	12.0	<b>COP</b> 3.28			

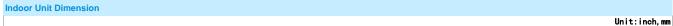
PERFORMAN	CE of Cooling			
Cooling	g (Btu/hr)			
Rated Capacity	48,000			
Min/Max Capacity	18,000 ~ 52,000			
Moisture Removal(L/h)	4.94			
Standard Operating Range(°F/°C)	-22~122(-30~50)			
Rated Cooling Conditions:	Cooling Conditions: Indoor: 80°F DB/67°F WB			
	Outdoor: 95°F DB/75°F WB			
PERFORMAN	CE of Heating			
Heating	(Btu/hr)			
1. @ 47°F Rated	48,000			

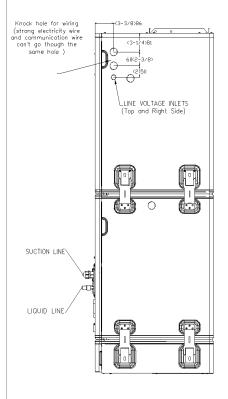
ELECTRICAL				
Indoor Power Supply	115/208/230V,60Hz,1Ph			
Indoor MCA 115V/(208/230V) 14.5/10				
Indoor MOP	15.0			
Outdoor Power Supply	208/230V,60Hz,1Ph			
Outdoor MCA	38.0			
Outdoor MOP	40.0			
Communication Wiring	ng AWG 20/2			
Compressor RLA	28.0			
Outdoor Fan Motor RLA	2.0			
Outdoor Fan Motor W	250			
Indoor Fan Motor RLA	8.0			
Indoor Fan Motor W	1000			
System Power Input @ Cooling (W)	4,266 (1,300 ~ 4,870)			
System Power Input @ Heating (W)	4,521 (925 ~ 3,880)			
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)			
RLA: Rated load amps (A)	W: Fan motor rated output (W)			

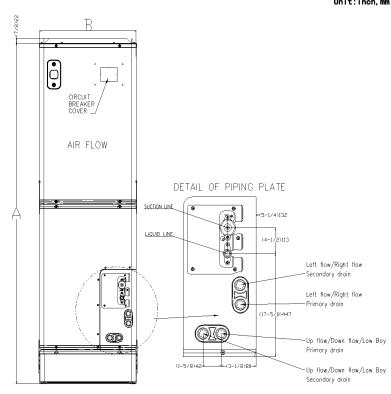
2. @ 47°F Min/Max Capacity	13,500 ~ 52,000		
3. @ 17°F Rated	34,000		
4. @ 5°F Rated: Capacity / COP	48,000 / 2		
5. @ 5°F Max: Capacity	48,000		
Standard Operating Range(°F/°C)	-22~75 (-30~24)		
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB		
	Outdoor: 47°F DB/43°F WB		
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB		
	Outdoor: 17°F DB/15°F WB		
3. Heating Conditions, Compressor	Indoor: 70°F DB/60°F WB		
Operating at Max. Frequency	Outdoor: 5°F DB/5°F WB		

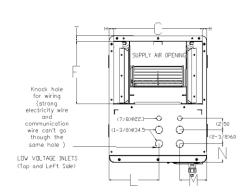
PIPING				
Throttle type(Indoor) EXV				
Throttle type(Outdoor)	EXV			
Liquid Size	3/8" (9.52mm)			
Gas Size	3/4" (19mm)			
Max. Piping Length(ft/m)	246 (75)			
Max. Height Difference(ft/m)	98 (30)			
Max. Pre-charged Length(ft/m)	25 (7.5)			
Refrigerant Pre-charged Amount(oz/kg)*	134 (3.8)			
dditional Charge of Refrigerant((oz/ft)/(g/m	0.7 (65)			
Connection Method	Flared			
9307 of refrigerant is required				

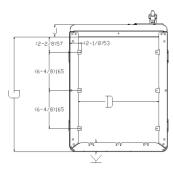
\*When MO1HE-H48B-2A is paired with MAUSE-H48B-2A, an additional 0.65kg/22.93oz of refrigerant is required





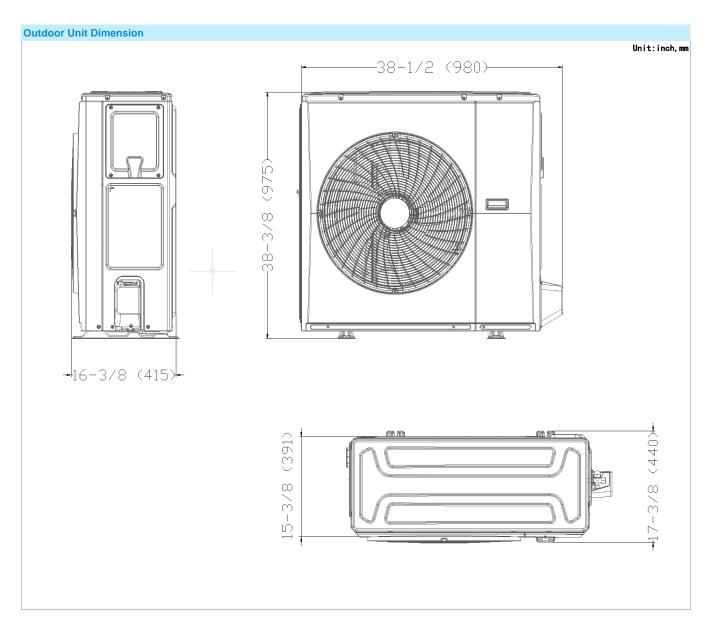


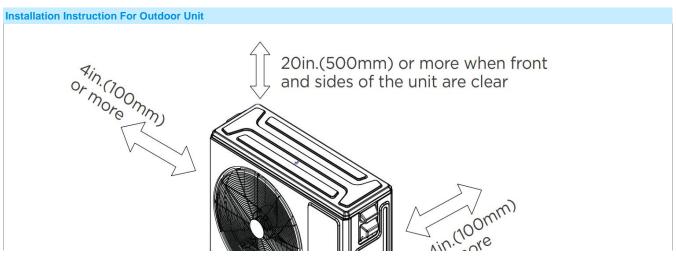


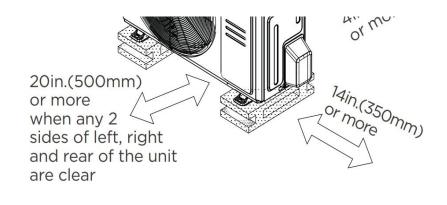


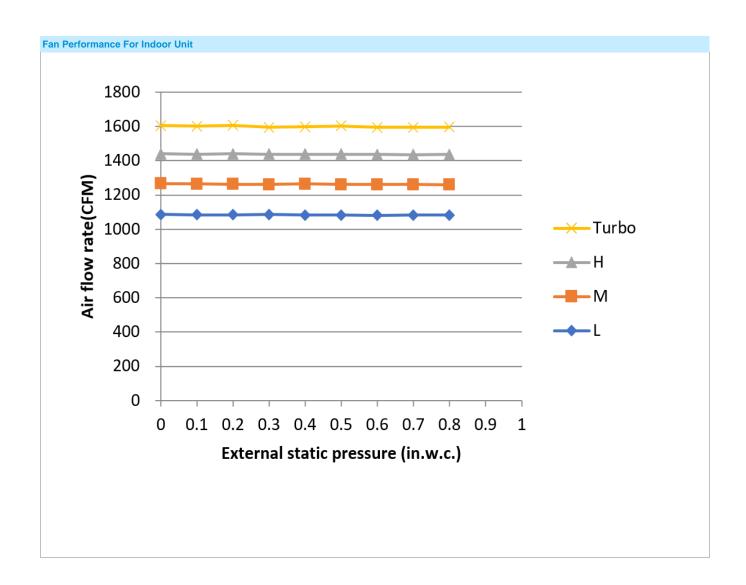
Model(Btu/h)		18K/24K		30K/36K		48K/54K	
Dimens	sions	inch	mm	inch	mm	inch	mm
A	Model Height	53-7/8	1368	58-1/8	1476	60-1/8	1526
В	Model Width	14-4/8	368	17-4/8	445	21-4/8	546
С	Supply Air Opening Width	12-7/8	328	16	405	19-7/8	506
D	Return Air Opening Width	11-1/8	282	14-4/8	368	18-4/8	470
E	Model Depth	21-1/2	546	21-1/2	546	21-1/2	546
F	Supply Air Opening Depth	10-5/8	271	10-5/8	271	10-5/8	271
G	Return Air Opening Depth	19	484	19	484	19	484
Н	Supply Air Opening Clearance	7/8	22	7/8	22	7/8	22
	Supply Air Opening Clearance	1	24	1	24	1	24
J	Return Air Opening Front Clearance	2-4/8	62	2-4/8	62	2-4/8	62
K	Return Air Opening Back Clearance	1-4/8	37	1-4/8	37	1-4/8	37
L	Top cover knock hole	/	/	9	229	10-7/8	275

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	М	Top cover knock hole	4-1/2	113	4-7/8	124	5-1/8	131
	N	Top cover knock hole	2	51	2	51	1-5/8	41









## **Features**

- Multi-position installation: horizontal(left or right), vertical( up or down)
- 115/230V voltage compatible for IDU
- Aluminum Coil

Constantly All Flow system up to 1.0 in.w.G
● Optional Auxiliary heat kit up to 25kW
Easy Maintenance
• Multiple control options available:
○ Two way communication wired controller:120N(X6)
○ Two way communication wired controller with built-in WiFi:120N(X6W)
Wireless remote controller     Third Party 24V Thermostate
• Third-Party 24V Thermostat
Adaptive Control System
● High efficiency up to 19 SEER2, 12.5 EER2, 10.8 HSPF2
● 100% heat output at -13F*
● Chassis heater and crankcase heater equipped as standard

\* For MVBDM-36HWFN10-WB3-D pairing with MOX630-36HFN10-M3X, rated cooling capacity/heating capacity at -13F=100%