



SUBMITTAL - 48,000BTU MULTI-POSITION AHU

Submitted For:

Reference

Date: **Unit Tag:**

Job Name:							
Location:							
Engineer:							
Submitted By:							
Submitted	То:						
WARRANT	Y			_			
Standard 10	0 Years Part	s & Compre	ssor	1			
Terms & Condit	ions Apply.						
TYPE							
Air Source	Heat Pump						
Cold Climat	e Air Source	e Heat Pum _l	ο 🗸				
MODELS							
Indoor		FMA48HIA	HUU230X7				
Outdoor		DMA48H0	OS20230E7				
CAPACITY I	RANGE ¹						
Output (Bti	u/h)	Min.	Rated	Max.			
Cooling		13500	47000	48000			
	55000						
HEATING P	ERFORMAN	ICE ²					
Output (Bt	u/h)	Min.	Rated	Max.			
	17°F (8.3°C)	11000	50000	55000			
1	7°F (-8.3°C)	16000	36000	48000			
	5°F (-15°C)	14300	46000	46000			
-2	2°F (-30°C)	14100	24500	24500			
OUTDOOR	TEMPERAT	URE OPERA	TING RANG	iE			
Cooling	-15 ~ 50	°C	5 ~ 122	°F			
Heating	-30~24 °C -22~75			°F			
LINE SET &	REFRIGERA	NT					
Liquid (in.)	3/8"		Gas (in.)	3/4"			
Connection	Flared						
Pre-Charge	25						
Maximum I	213.25						
Maximum I	98.42						
Refrigerant	R410A						
Pre-Charge	169.31						
Additional	0.69						
Oil Type	1460±15						
Drain Conn	ection (inch	es)		3/4"			





Approval

Construction

Images for reference only

	Images for reference on						
CERTIFIED							
AHRI NO.		(ii					
20770	06562	C U	L) US TED	ENERGY STAR			
EFFICIENCY RATINGS							
SEER2				15.6			
EER2				8.2			
HSPF2 (4)			9.4				
HSPF2 (5)				7.7			
COP ²	47°F	17°F	5°F	-22°F			
	(8.3°C)	(-8.3°C)	(-15°C)	(-30°C)			
	3.16	2.36	1.9	1.37			
ELECTRICA	L						
Power Supply		(V/Ph/Hz)	208	8-230/1/60			
Voltage Range		(V)		187-253			
MCA (A)	40	Max Fuse (ODU) (A)		50			
Power Input (W)		Min.	Rated	Max.			
	Cooling	815	5731	5700			
	Heating	830	4652	5700			
Current (A)		Min.	Rated	Max.			
	Cooling	3.54	24.95	25.3			
	Heating	3.6	21	26			

^{1.} Cooling Capacity Conditions: Indoor Temperature @ 80°F (26.7°C) DB; 67°F (19.4°C) WB with Outdoor Temperature @ 95°F (35°C) DB; 75°F (23.9°C) WB. Heating Capacity Conditions: Indoor Temperature @ 70°F (21.1°C) DB; 60°F (15.6°C) WB with Outdoor Temperature @ 47°F (8.3°C) DB; 43°F (6.1°C) WB. Line Set @ 25ft (7.5m); Height Difference @ Oft (0m). 2. COP for all temperatures is @ rated output except when rated output is not given. In that case, COP is @ max. output. | Master Group is not responsible for the accuracy and validity of any changes made to this document without the written authorization of Master Group. Specifications subject to change without notice.

Drain Connection (inches)

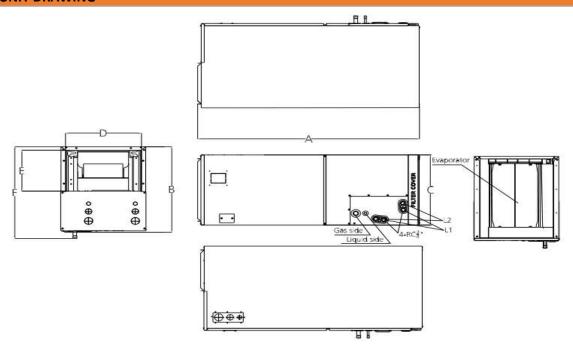




DIMENSIONS & WEIGHTS						
Indoor	Net (WxDxH; in.)	21.02x2	(21.02x49.02			
	Gross (WxDxH; in.)	24.41x2	41x26.57x52.56			
	Net Weight lbs kg 130.51		59.2			
	Gross Weight lbs kg	156.31	70.9			
Outdoor	Net (WxDxH; in.)	6.34x52.48				
	Gross (WxDxH; in.)	43.11x1	9.49x58.27			
	Net Weight lbs kg	220.24	99.9			
	Gross Weight lbs kg	248.9	112.9			
KEY FEATURES						
Rotary Inverter Compressor						
Twin Rota						
Base Pan I	✓					
Crankcase	V					
INCLUDED ACCESSORIES						
RG10A(D2S)/BGEFU1 - Remote Controller						
KJR-120N(X6W)/BGEF V1.2 - Wired Controller						
Adaptor for welding(3/8")						
Adaptor for welding(3/4")						

FAN						
Indoor	Turbo	High	Med.	Low		
CFM	1470	1282	1094	905		
dB(A)		50	47	43.5		
Indoor ESP	0-0.80					
Indoor Moi	4.96					
Outdoor M	4412					
Outdoor M	64					
OPTIONAL ACCESSORIES						
EAH-10B(U						
EAH-15B(U						
EAH-20B(U						

INDOOR UNIT DRAWING



Dimesions D and E are air outlet dimensions.

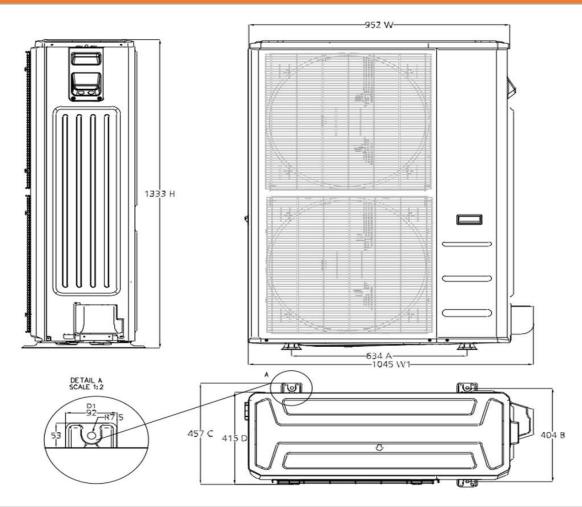
Tag	Α	В	С	D	E	F	L1	L2
inches	49	21	21	19-5/16	10-1/4	23	Main	Overflow
mm	1245	534	534	490	260	585	Drain	Drain

Drawing dimensions are nominal. Specifications subject to change without notice.

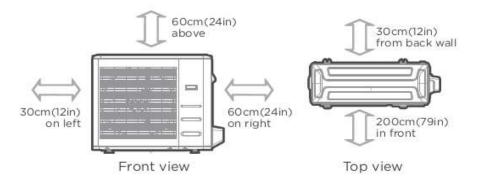




OUTDOOR UNIT DRAWING



OUTDOOR UNIT CLEARANCES



Note: Outdoor units must be elevated 12-24in. (30.5-61cm) above the surface below in heating applications to allow for snow clearance and defrost runoff. Follow local best-practices and guidelines.

Diagrams for reference only.

NOTES

Specifications subject to change without notice.

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