



SUBMITTAL - 60,000BTU MULTI-POSITION AHU - M20

Job Name:							
Location:							
Engineer:							
Submitted By:							
Submitted	_						
WARRANT	Υ						
Standard 1	0 Years Part	s & Compre	essor				
Terms & Condit	ions Apply.						
TYPE							
Air Source	<u>·</u>						
Cold Climat	e Air Source	e Heat Pum _l	p 🗸				
MODELS							
Indoor		FMA60HIA	HUU230X7				
Outdoor		DMA60H0	OS20230E7				
CAPACITY I	RANGE ¹						
Output (Bt	u/h)	Min.	Rated	Max.			
Cooling		14000	55000	56000			
	Heating	13400	59000	69000			
HEATING P	ERFORMAN	ICE ²					
Output (Bt	u/h)	Min.	Rated	Max.			
4	17°F (8.3°C)	13400	59000	69000			
1	7°F (-8.3°C)	17000	42000	52500			
	5°F (-15°C)	15100	48500	54356			
-2	2°F (-30°C)	14900	29900	29900			
OUTDOOR	TEMPERAT	URE OPERA	TING RANG	E			
Cooling	-15 ~ 50	°C	5 ~ 122 °F				
Heating	-30~24 °C -22~75			°F			
LINE SET &	REFRIGERA	NT					
Liquid (in.)	3/8"		Gas (in.)	7/8"			
Connection	Туре			Flared			
Pre-Charge Length (ft)				25			
Maximum I	213.25						
Maximum I	98.42						
Refrigerant	R410A						
Pre-Charge	169.31						
Additional	0.69						
Oil Type	1300						
Drain Connection (inches) 3/4"							



Submitted For:

Reference

Date:



Approval

Construction

Images for reference only.

CERTIFIED			images for	<u>, , , , , , , , , , , , , , , , , , , </u>		
AHRI NO.		(ii				
210295923		CUL US LISTED ENERGY STAR				
EFFICIENCY	RATINGS					
SEER2				15.3		
EER2				8.8		
HSPF2 (4)				9.4		
HSPF2 (5)				7.6		
COP ²	47°F	17°F	5°F	-22°F		
	(8.3°C)	(-8.3°C)	(-15°C)	(-30°C)		
	3.42	2.6	1.91	1.35		
ELECTRICAL	L					
Power Supply		(V/Ph/Hz)	208	8-230/1/60		
Voltage Rar	e Range (V) 18		187-253			
MCA (A)	40	Max Fuse	(ODU) (A) 5			
Power Inpu	t (W)	Min.	Rated	Max.		
Cooling		500	6280	6450		
	Heating	750	5060	5890		
Current (A)		Min.	Rated	Max.		
Cooling		3.9	27.4	28.5		
	Heating	5.5	22	26.2		

^{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 @ 0ft (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.

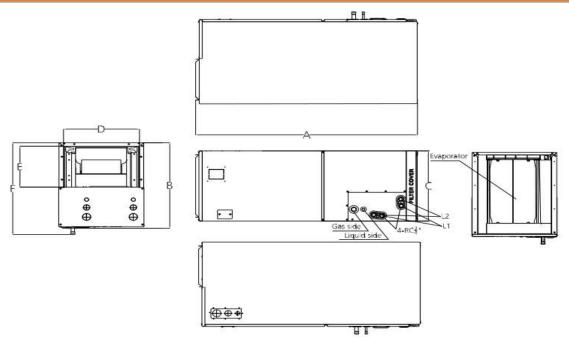




DIMENSIONS & MEIGHTS						
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Indoor	Net (WxDxH; in.)	24.49x2	1.02x52.99			
	Gross (WxDxH; in.)	27.95x2	6.77x56.50			
	Net Weight lbs kg	162.7	73.8			
	Gross Weight lbs kg	192.9	87.5			
Outdoor	Net (WxDxH; in.)	6.34x52.48				
	Gross (WxDxH; in.)	9.49x58.27				
	Net Weight lbs kg 239.86		108.8			
	Gross Weight Ibs kg	271.61	123.2			
KEY FEATURES						
Rotary Inverter Compressor						
Twin Rotary Inverter Compressor						
Base Pan Heater						
Crankcase	✓					
INCLUDED ACCESSORIES						
RG10A(D2S)/BGEFU1 - Remote Controller						
KJR-120N(X6W)/BGEF V1.2 - Wired Controller						
Adaptor for welding(7/8")						
Adaptor for welding(3/8")						

FAN						
Indoor	Turbo	High	Med.	Low		
CFM	1805	1582	1358	1135		
dB(A)		51	45.5	41.5		
Indoor ESP	0-0.80					
Indoor Moi	5.55					
Outdoor M	4500					
Outdoor M	63.5					
OPTIONAL ACCESSORIES						
EAH-10B(U						
EAH-15B(U						
EAH-20B(U						
EAH-25B(U						

INDOOR UNIT DRAWING



Dimesions D and E are air outlet dimensions.

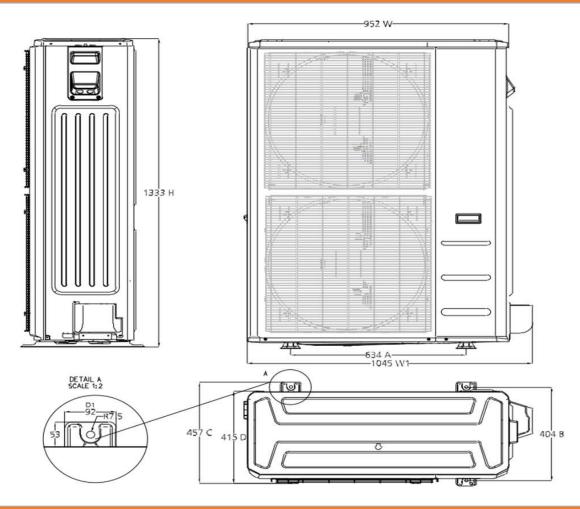
Tag	Α	В	С	D	E	F	L1	L2
inches	53	21	24-1/2	22-7/8	10-1/4	23	Main	Overflow
mm	1346	534	622	580	260	585	Drain	Drain

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

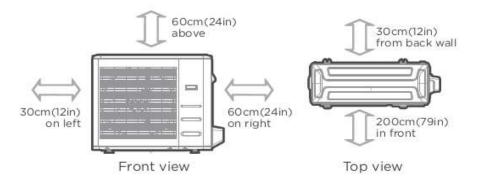




OUTDOOR UNIT DRAWING



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