



# SUBMITTAL - 24,000BTU MULTI-POSITION AHU

Job	Name:
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Location:

**Engineer:** 

Submitted By:

Submitted To:

#### WARRANTY

Standard 10 Years Parts & Compressor

#### Terms & Conditions Apply.

TYPE Air Source Heat Pump Cold Climate Air Source Heat Pump  $\checkmark$ 

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IVIODLL	2

Indoor	FMA24HIAHUU230X7
Outdoor	DMA24HOS20230E7

CAPACITY F						
Output (Btu	ı/h)	Min.	Rated	Max.		
	Cooling	8900	24000	27000		
	Heating	7100	24000	31000		
<b>HEATING P</b>						
Output (Btu	ı/h)	Min.	Rated	Max.		
4	7°F (8.3°C)	7100	24000	31000		
1	7°F (-8.3°C)	8333	19200	26400		
	5°F (-15°C)	6000	22600	24071		
-2	13400					
OUTDOOR	iE					
Cooling	-15~50	°C	°F			
Heating -30~24 °C -22~75				°F		
LINE SET & REFRIGERANT						
Liquid (in.)	3/4"					
Connection	Flared					
Pre-Charge	Length (ft)			25		
Maximum l	164.04					
Maximum I	82.02					
Refrigerant	R410A					
Pre-Charge	102.32					
Additional (	0.69					
Oil Type VG74 Oil Volume (ml)				670		
Drain Conn	3/4"					

## **Submitted For:**

Reference

- Approval
- Date:
- Construction
- Unit Tag:

#### **Drawing No.:**





Images for reference only.

CERTIFIED						
AHRI NO.			)			
20770	06559		Energy STAR			
EFFICIENCY	( RATINGS					
SEER2				17.4		
EER2				11.7		
HSPF2 (4)				10		
HSPF2 (5)				8		
COP <sup>2</sup>	47°F	17°F	5°F	-22°F		
	(8.3°C)	(-8.3°C)	(-15°C)	(-30°C)		
	3.35	2.5	1.91	1.41		
ELECTRICA	L					
Power Sup	ply	(V/Ph/Hz)	208-230/1/60			
Voltage Ra	nge	(V)		187-253		
MCA (A)	20	Max Fuse	e (ODU) (A) 35			
Power Inpu	nput (W) Min. Rated		Max.			
	Cooling	740	2050	2450		
	Heating	660	2100	2900		
Current (A)		Min.	Rated	Max.		
	Cooling	5.3	9.1	11		
	Heating	4.87	9.3	12.9		

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. 3. System continues to operate below rated outdoor temperature operating range, subject to varying conditions. System has no low temperature cutout. Capacity is not tested outside of the rated temperature range. | 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.

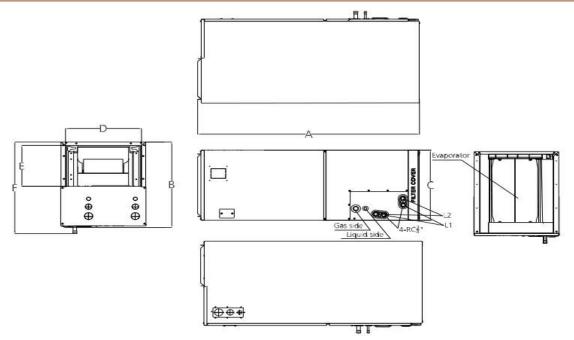




DIMENSIO	NS & WEIGHTS				
Indoor	Net (WxDxH; in.)	17.52x2	17.52x21.02x45.00		
	Gross (WxDxH; in.)	WxDxH; in.) 20.87x2			
	Net Weight lbs   kg	105.6	47.9		
	Gross Weight lbs   kg	127.43	57.8		
Outdoor	Net (WxDxH; in.)	37.24x1	6.14x31.89		
	Gross (WxDxH; in.) 42.91x19		9.69x34.84		
	Net Weight lbs   kg 136.69		62		
	Gross Weight Ibs   kg 145.5				
KEY FEATU	IRES				
Rotary Inve	erter Compressor				
Twin Rotary Inverter Compressor					
Base Pan Heater					
Crankcase Heater					
INCLUDED	ACCESSORIES				
RG10A(D2S)/BGEFU1 - Remote Controller					
KJR-120N()	K6W)/BGEF V1.2 - Wire	d Controller			
Adaptor fo	r welding(3/8")				
Adaptor fo	r welding(3/4")				

FAN						
Indoor	Turbo	High	Med.	Low		
		High				
CFM	823	758	694	629 33		
dB(A)	IB(A) 39 36					
Indoor ESP	0-0.80					
Indoor Moi	sture Remo	val (l/h)		1.98		
Outdoor M	ax. CFM			3000		
Outdoor M	62					
OPTIONAL ACCESSORIES						
EAH-05B(U						
EAH-10B(U						
EAH-15B(U						

### INDOOR UNIT DRAWING



### Dimesions D and E are air outlet dimensions.

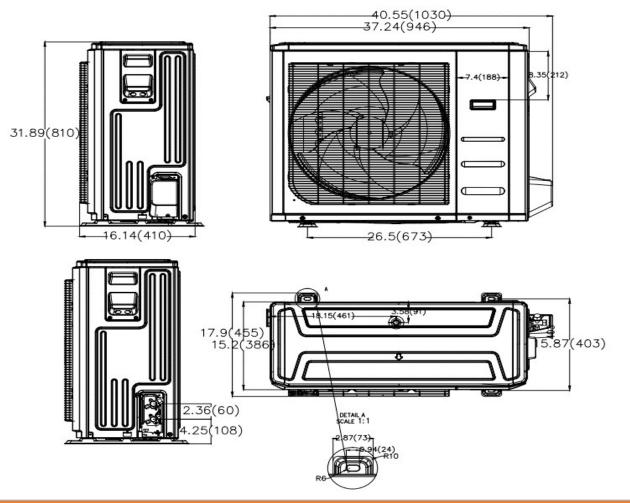
Тад	A	В	С	D	E	F	L1	L2
inches	45	21	17-1/2	15-3/4	10-1/4	23	Main	Overflow
mm	1143	534	445	400	260	585	Drain	Drain

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

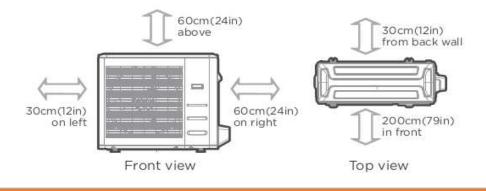




#### **OUTDOOR UNIT DRAWING**



### **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 bestpractices and guidelines.

#### NOTES

Diagrams for reference only.