

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

Job Name: _____

Location: _____

Engineer: _____

Submitted By: _____

Submitted To: _____

Submitted For: _____

Reference **Approval**

Date: _____

Unit Tag: _____

Drawing No.: _____

Construction

WARRANTY

Standard 10 Years Parts & Compressor
Terms & Conditions Apply.

TYPE

Air Source Heat Pump

Cold Climate Air Source Heat Pump

MODELS

Indoor	FMA60HIAHUU230X7
Outdoor	DMA60HOS20230E7

CAPACITY RANGE¹

Output (Btu/h)	Min.	Rated	Max.
Cooling	14000	55000	56000
Heating	13400	59000	69000

HEATING PERFORMANCE²

Output (Btu/h)	Min.	Rated	Max.
47°F (8.3°C)	13400	59000	69000
17°F (-8.3°C)	17000	42000	52500
5°F (-15°C)	15100	48500	54356
-22°F (-30°C)	14900	29900	29900

OUTDOOR TEMPERATURE OPERATING RANGE

Cooling	-15 ~ 50 °C	5 ~ 122 °F
Heating	-30 ~ 24 °C	-22 ~ 75 °F

LINE SET & REFRIGERANT

Liquid (in.)	3/8"	Gas (in.)	7/8"
Connection Type	Flared		
Pre-Charge Length (ft)	25		
Maximum Length (ft)	213.25		
Maximum Height Difference (ft)	98.42		
Refrigerant Type	R410A		
Pre-Charge (oz)	169.31		
Additional Charge per Foot (oz)	0.69		
Oil Type	VG75	Oil Volume (ml)	1300
Drain Connection (inches)	3/4"		



Images for reference only.

CERTIFIED

AHRI NO.	
210295923	

EFFICIENCY RATINGS

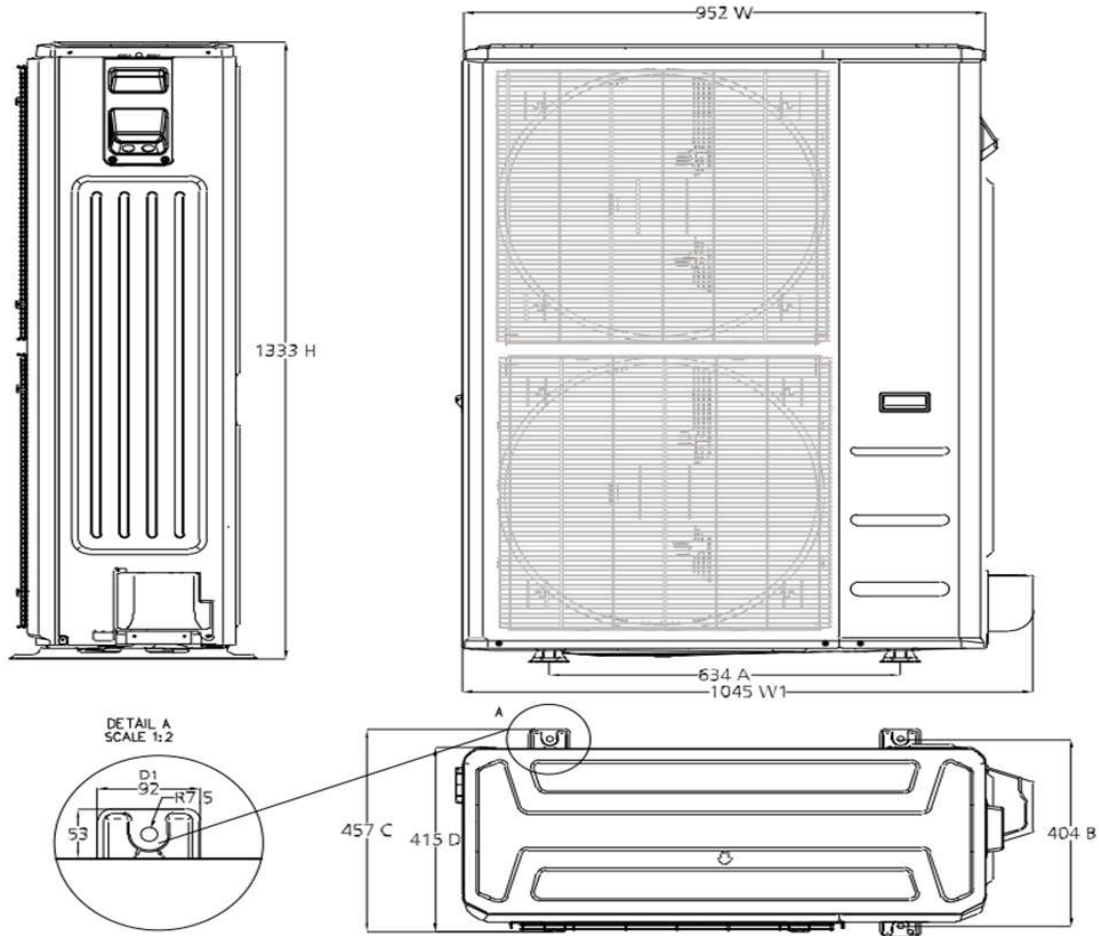
SEER2	15.3			
EER2	8.8			
HSPF2 (4)	9.4			
HSPF2 (5)	7.6			
COP ²	47°F (8.3°C)	17°F (-8.3°C)	5°F (-15°C)	-22°F (-30°C)
	3.42	2.6	1.91	1.35

ELECTRICAL

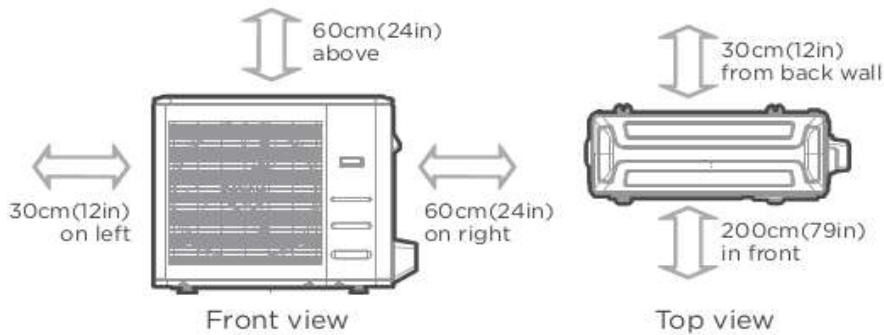
Power Supply	(V/Ph/Hz)	208-230/1/60		
Voltage Range	(V)	187-253		
MCA (A)	40	Max Fuse (ODU) (A)	50	
Power Input (W)	Min.	Rated	Max.	
	Cooling	500	6280	6450
Heating	750	5060	5890	
Current (A)	Min.	Rated	Max.	
	Cooling	3.9	27.4	28.5
Heating	5.5	22	26.2	

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.

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