

## SUBMITTAL - 60,000BTU CASED COIL - D CABINET

**Job Name:** \_\_\_\_\_  
**Location:** \_\_\_\_\_  
**Engineer:** \_\_\_\_\_  
**Submitted By:** \_\_\_\_\_  
**Submitted To:** \_\_\_\_\_

**Submitted For:** \_\_\_\_\_  **Approval**   
**Reference**  **Construction**   
**Date:** \_\_\_\_\_  
**Unit Tag:** \_\_\_\_\_  
**Drawing No.:** \_\_\_\_\_

### WARRANTY

Standard 10 Years Parts & Compressor  
Terms & Conditions Apply.

### TYPE

Air Source Heat Pump   
 Cold Climate Air Source Heat Pump

### MODELS

Indoor CUB60HAC20DWT7A  
 Outdoor DMA60HOS20230E7

### CAPACITY RANGE<sup>1</sup>

Output (Btu/h)	Min.	Rated	Max.
Cooling	13400	53000	54000
Heating	10800	55000	60000

### HEATING PERFORMANCE<sup>2</sup>

Output (Btu/h)	Min.	Rated	Max.
47°F (8.3°C)	10800	55000	60000
17°F (-8.3°C)	11000	37000	38000
5°F (-15°C)	9000	46500	46500
-22°F (-30°C)	8000		30000

### OUTDOOR TEMPERATURE OPERATING RANGE

Cooling	-15 ~ 50 °C	5 ~ 122 °F
Heating <sup>3</sup>	-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		
Max. Length (ft)	213.25		
Max. 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.	
212615029	

### EFFICIENCY RATINGS

SEER2	14.5			
EER2	8.6			
HSPF2 (4)	8.6			
HSPF2 (5)	7.1			
COP <sup>2</sup>	47°F (8.3°C)	17°F (-8.3°C)	5°F (-15°C)	-22°F (-30°C)
	3.08	2.26	1.8	1.39

### 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	870	6162	6100
Heating	840	5373	6380	
Current (A)	Min.	Rated	Max.	
	Cooling	3.78	26.8	26.52
Heating	3.65	24.6	27.7	

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. | Cased coil unit has a continuous operating temperature limit of 248°F (120°C); this product is not recommended for applications where there is a risk of exceeding this limit (such as with an oil furnace). It is the installer's responsibility to ensure the installation respects this temperature limit. 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 & WEIGHTS

Indoor	Net (WxDxH; in.)	24.49x20.98x27.99	
	Gross (WxDxH; in.)	27.76x26.18x30.31	
	Net Weight lbs   kg	86.64	39.3
	Gross Weight lbs   kg	98.33	44.6
Outdoor	Net (WxDxH; in.)	37.48x16.34x52.48	
	Gross (WxDxH; in.)	43.11x19.49x58.27	
	Net Weight lbs   kg	239.86	108.8
	Gross Weight lbs   kg	271.61	123.2

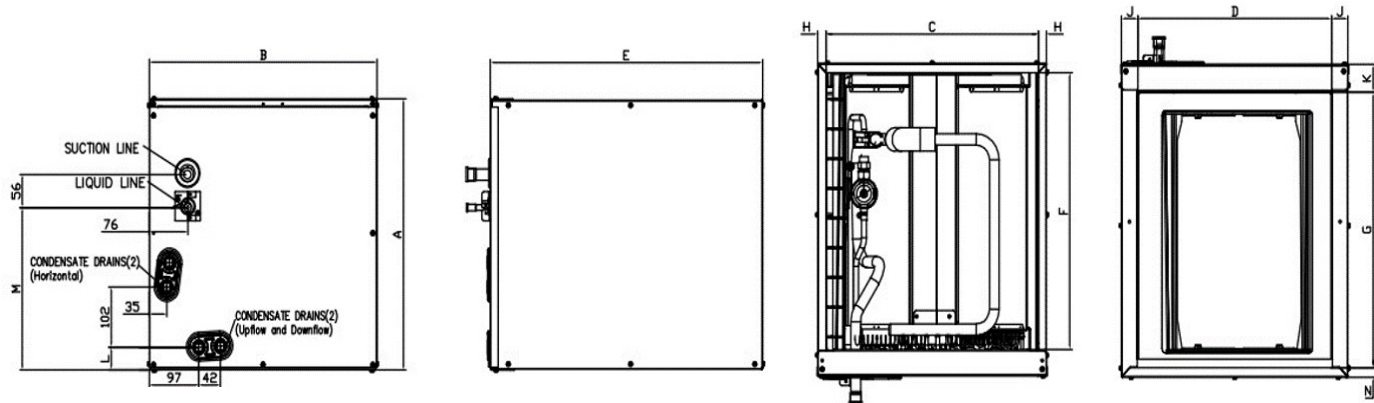
### KEY FEATURES

Rotary Inverter Compressor	<input checked="" type="checkbox"/>
Twin Rotary Inverter Compressor	<input type="checkbox"/>
Base Pan Heater	<input checked="" type="checkbox"/>
Crankcase Heater	<input checked="" type="checkbox"/>

### INCLUDED ACCESSORIES

Adaptor for welding(3/8")
Adaptor for welding(7/8")

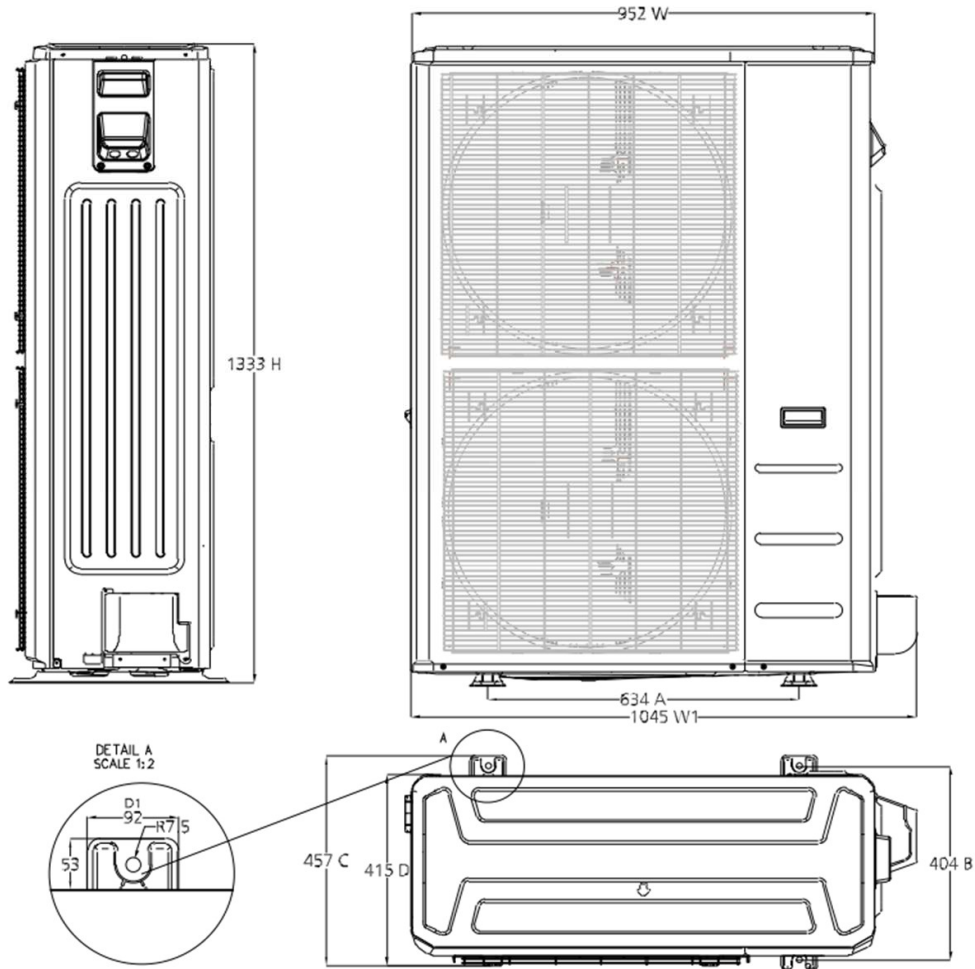
### INDOOR UNIT DRAWING



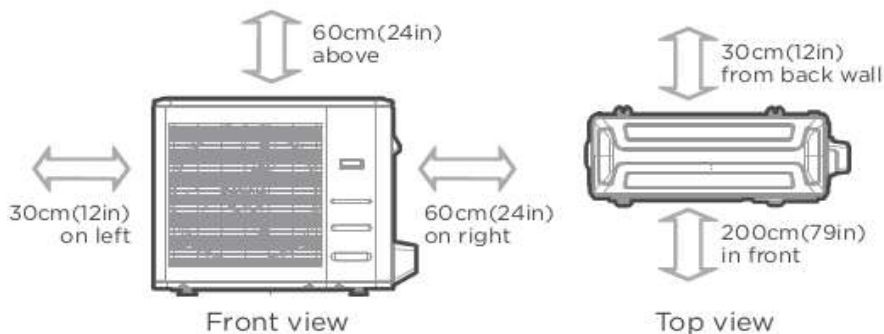
Tag	A	B	C	D	E	F	G	H	I
inches	28	24-1/2	23-1/4	23	21	18-5/8	18-1/2	5/8	1-3/4
mm	711	622	591	585	533	473	470	16	45
Tag	J	K	L	M	N				
inches	3/4	1-13/16	2-1/8	20-1/4	3/4				
mm	19	46	54	514	19				

Drawing dimensions are nominal. Specifications subject to change without notice. 4. Connection of these accessories may require secondary items not listed; refer to full product literature.

**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**