

## SUBMITTAL - 36,000BTU CEILING CASSETTE - M28

**Job Name:** \_\_\_\_\_

**Location:** \_\_\_\_\_

**Engineer:** \_\_\_\_\_

**Submitted By:** \_\_\_\_\_

**Submitted To:** \_\_\_\_\_

**Submitted For:** \_\_\_\_\_

**Reference**  **Approval**

**Date:** \_\_\_\_\_

**Unit Tag:** \_\_\_\_\_

**Drawing No.:** \_\_\_\_\_

**Construction**

**WARRANTY**

Standard 10 Years Parts &amp; Compressor

Terms &amp; Conditions Apply.

**TYPE**

 Air Source Heat Pump 

 Cold Climate Air Source Heat Pump 
**MODELS**

Indoor DUA36HICU230X5

Outdoor DMA36HOS28230E8

**CAPACITY RANGE<sup>1</sup>**

Output (Btu/h)	Min.	Rated	Max.
Cooling	9800	36000	39500
Heating	12000	40000	49000

**HEATING PERFORMANCE<sup>2</sup>**

Output (Btu/h)	Min.	Rated	Max.
47°F (8.3°C)	12000	40000	49000
17°F (-8.3°C)	8100	33000	40500
5°F (-15°C)	6300	40000	41000
-22°F (-30°C)	2700		23000

**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.)	5/8"
Connection Type	Flared		
Pre-Charge Length (ft)	25		
Max. Length (ft)	213.2		
Max. Height Difference (ft)	98.4		
Refrigerant Type	R410A		
Pre-Charge (oz)	148.4		
Additional Charge per Foot (oz)	0.32		
Oil Type	VG74	Oil Volume (ml)	1460±15
Drain Pipe O.D. (mm)	25		



Images for reference only.

**CERTIFIED**

 AHRI NO.  
207742512

**EFFICIENCY RATINGS**

SEER2	19.4			
EER2	9.5			
HSPF2 (4)	10.5			
HSPF2 (5)	8.5			
COP <sup>2</sup>	47°F (8.3°C)	17°F (-8.3°C)	5°F (-15°C)	-22°F (-30°C)
	3.05	2.4	1.85	1.41

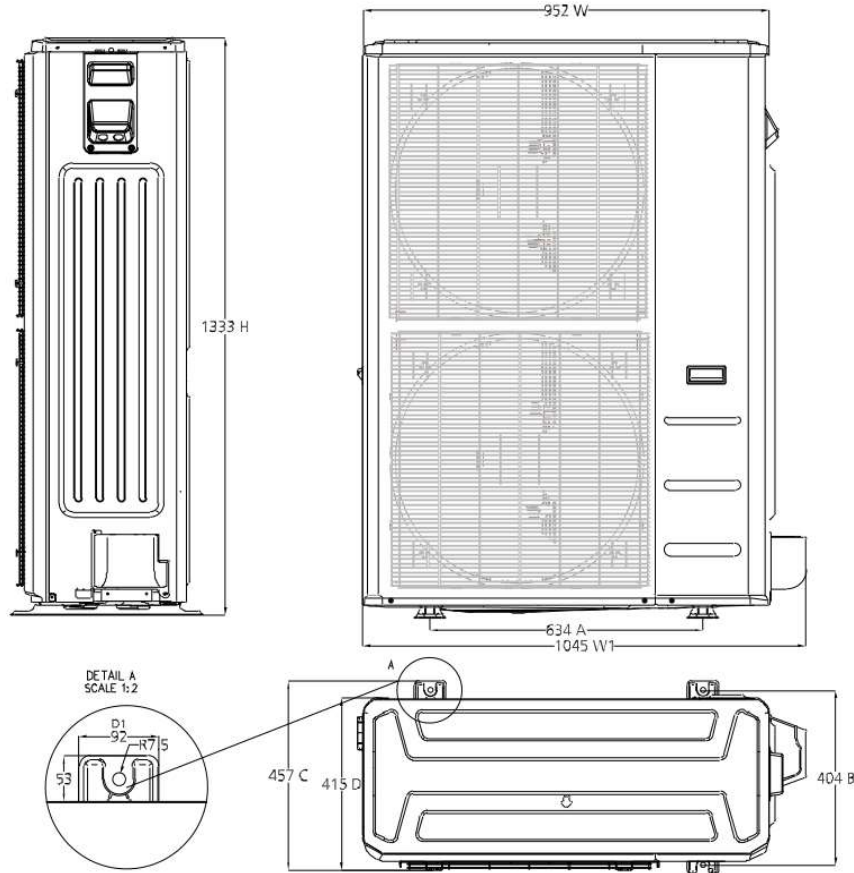
**ELECTRICAL**

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	1100	4000	4400
Heating	2150	3850	4750	
Current (A)	Min.	Rated	Max.	
	Cooling	5.5	17.6	19.5
Heating	10	17.1	20.9	

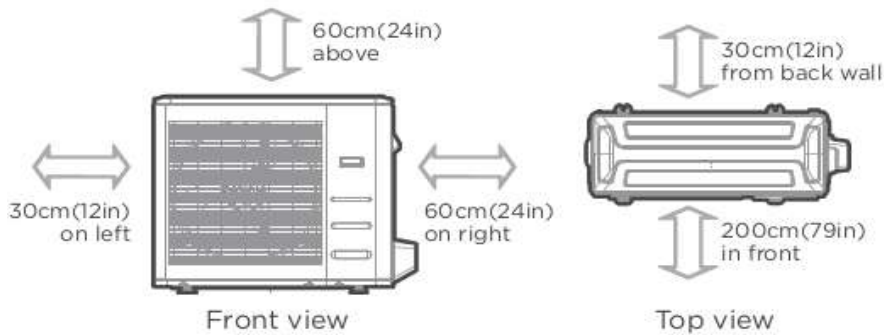
1. Cooling Capacity Conditions: Indoor Temperature @ 80°F (26.7°C) DB; 67°F (19.4°C) WB with Outdoor Temperature @ 95°F (35°C) DB; 75°F (23.9°C) WB. Heating Capacity Conditions: Indoor Temperature @ 70°F (21.1°C) DB; 60°F (15.6°C) WB with Outdoor Temperature @ 47°F (8.3°C) DB; 43°F (6.1°C) WB. Line Set @ 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.



**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**