

# SUBMITTAL - 18,000BTU MULTI-ZONE ODU - M23

**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

### MODEL

Outdoor DMA18HOM23230X2

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

Output (Btu/h)	Min.	Rated	Max.
Cooling	5400	18000	21600
Heating	5700	19000	24000

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

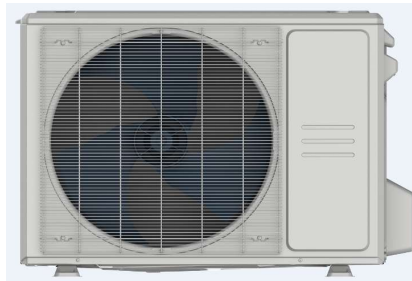
Output (Btu/h)	Min.	Rated	Max.
47°F (8.3°C)	5700	19000	24000
17°F (-8.3°C)	3800	14300	16000
5°F (-15°C)	3500	13300	14000
-13°F (-25°C)		8500	8500

### OUTDOOR TEMPERATURE OPERATING RANGE

Cooling	-15 ~ 50 °C	5 ~ 122 °F
Heating <sup>3</sup>	-25 ~ 24 °C	-13 ~ 75 °F

### ELECTRICAL

Power Supply	(V/Ph/Hz)	208-230/1/60	
Voltage Range	(V)	187-253	
MCA (A)	14	Max. Fuse (ODU) (A)	20
Power Input (W)		Non-Duct	Mixed
Cooling (Rated)		1295	1400
Cooling (Max.)		2027	2050
Heating (Rated)		1489	1515
Heating (Max.)		2095	2093
Current (A)		Non-Duct	Mixed
Cooling (Rated)		6.2	6.52
Heating (Rated)		6.3	6.4



Images for reference only.



CERTIFIED			
Non-Duct AHRI No.:	207742529	<input checked="" type="checkbox"/>	
Mixed AHRI No.:	207742531	<input checked="" type="checkbox"/>	
Ducted AHRI No.:	207742530	<input checked="" type="checkbox"/>	

EFFICIENCY RATINGS				
IDU Type	SEER2	EER2	HSPF2 (4)	HSPF2 (5)
Non-Duct	22.9	13.9	10.5	8
Mixed	20.95	12.95	10.15	7.8
Ducted	19	12	9.8	7.6
COP <sup>2</sup>	47°F (8.3°C)	17°F (-8.3°C)	5°F (-15°C)	-13°F (-25°C)
Non-Duct	3.74	2.49	2	1.5
Mixed	3.69	2.5	2	1.4
Ducted	3.62	2.49	2	1.3

LINE SET & REFRIGERANT		
Liquid (in.)	2x1/4"	Connection Type
Gas (in.)	2x3/8"	Flare
Max. Length (Total) (ft)	131.2	
Max. Length (Each) (ft)	82	
Max. Height Difference (ODU to IDU) (ft)	49.2	
Max. Height Difference (IDU to IDU) (ft)	33	
Pre-Charge Length (ft x Quantity Example)	25x2	
Ref. Type	R410A	Pre-Charge (oz)
Oil Type	VG74	Oil Volume (ml)
		450

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. Heating performance varies subject to specific indoor unit combination. 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.

DIMENSIONS & WEIGHTS			
Outdoor	Net (WxDxH; in.)	35.04x13.46x26.50	
	Gross (WxDxH; in.)	40.55x17.24x29.53	
	Net Weight lbs   kg	100.31	45.5
	Gross Weight lbs   kg	108.69	49.3

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

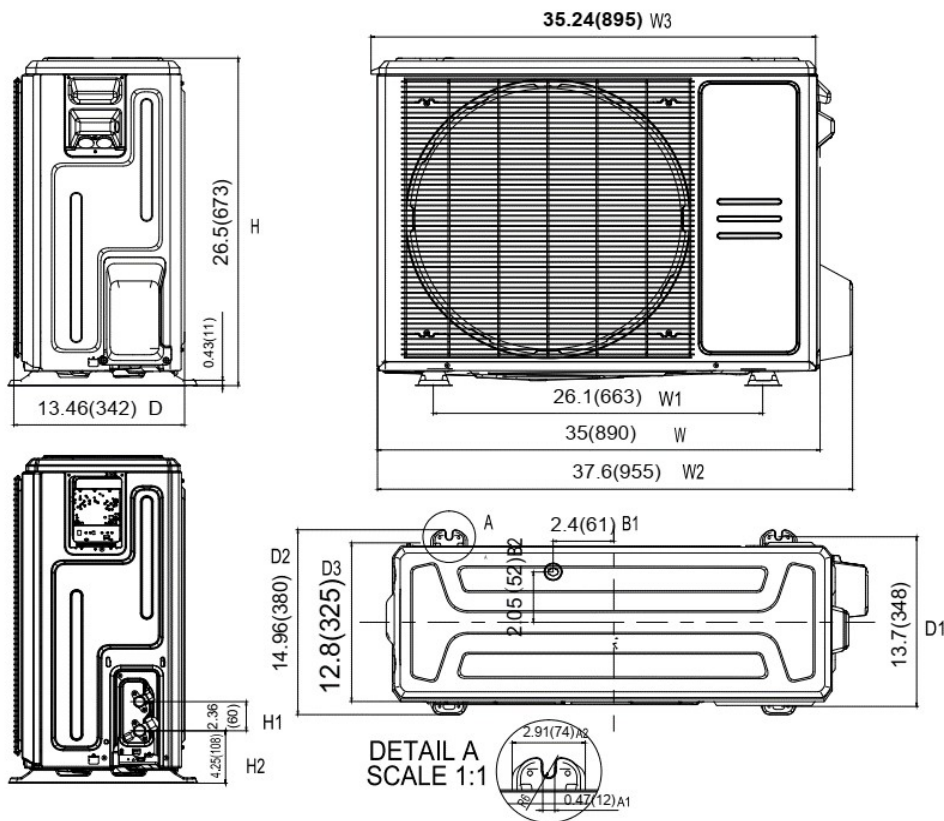
INCLUDED ACCESSORIES	
3/8" to 1/2" Adaptor	

FAN	
Outdoor Max. CFM	1765
Outdoor Max. dB(A)	58

SYSTEM PAIRINGS	
Number of Indoor Units	2
Nominal Connection Range (Mbtu/h) <sup>4</sup>	12-24
Indoor Unit Types	
DMAxxHIW25230E8 (Wall-Mount)	
DUAxxHIDU230X5 (Horizontal Ducted)	
DUAxxHICU230X5 (Ceiling Cassette)	
DUB12HIFU230X5A (Floor Console)	

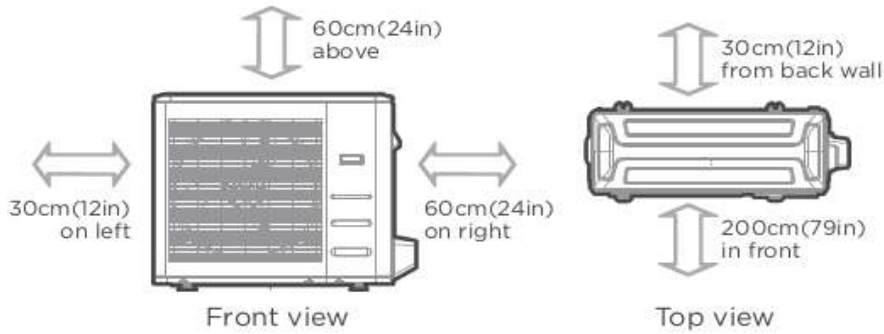
OPTIONAL ACCESSORIES <sup>5</sup>	
	<input type="checkbox"/>
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**OUTDOOR UNIT DRAWING**



Drawing dimensions are nominal. 4. It is not recommended to exceed 125% connected capacity. Maximum output of the system is dictated by the outdoor unit; connected capacities beyond maximum output of outdoor unit will not result in increased system output. Refer to full product literature for allowable combinations of units. 5. Connection of these accessories may require secondary items not listed; refer to full product literature. | Specifications subject to change without notice.

**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**