

SUBMITTAL - 27,000BTU MULTI-ZONE ODU - E23

Job Name: _____
Location: _____
Engineer: _____
Submitted By: _____
Submitted To: _____

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

WARRANTY			
1 Year Parts & 5 Years Compressor			
Terms & Conditions Apply.			
TYPE			
Air Source Heat Pump	<input type="checkbox"/>		
Cold Climate Air Source Heat Pump	<input checked="" type="checkbox"/>		
MODEL			
Outdoor	DEA27HOM23230X2		

CAPACITY RANGE ¹			
Output (Btu/h)	Min.	Rated	Max.
Cooling	7200	28000	30000
Heating	8400	28000	34000

HEATING PERFORMANCE ²			
Output (Btu/h)	Min.	Rated	Max.
47°F (8.3°C)	8400	28000	34000
17°F (-8.3°C)	6000	21000	22600
5°F (-15°C)	5400	18800	20000
-13°F (-25°C)		10000	10000

OUTDOOR TEMPERATURE OPERATING RANGE		
Cooling	-15 ~ 50 °C	5 ~ 122 °F
Heating ³	-25 ~ 24 °C	-13 ~ 75 °F

ELECTRICAL			
Power Supply	(V/Ph/Hz)	208-230/1/60	
Voltage Range	(V)	187-253	
MCA (A)	24.5	Max. Fuse (ODU) (A)	30
Power Input (W)	Non-Duct	Mixed	Ducted
Cooling (Rated)	2240	2320	2400
Cooling (Max.)	3246	3071	2897
Heating (Rated)	2200	2222	2245
Heating (Max.)	3120	2900	2681
Current (A)	Non-Duct	Mixed	Ducted
Cooling (Rated)	11	11.25	11.5
Heating (Rated)	10.5	10.5	10.5



Images for reference only.



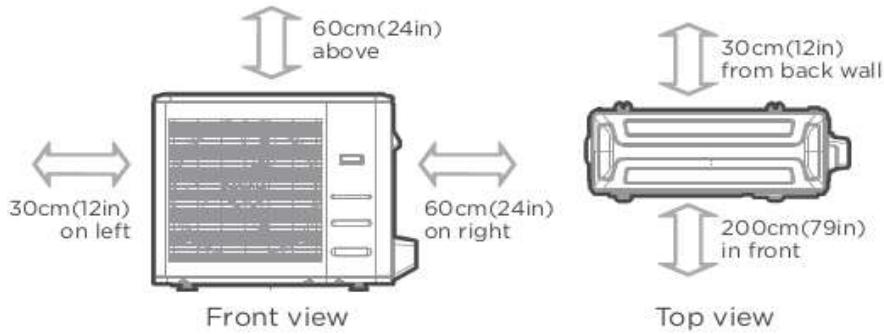
CERTIFIED			
Non-Duct AHRI No.:	207742475	<input checked="" type="checkbox"/>	
Mixed AHRI No.:	207742477	<input checked="" type="checkbox"/>	
Ducted AHRI No.:	207742476	<input checked="" type="checkbox"/>	

EFFICIENCY RATINGS				
IDU Type	SEER2	EER2	HSPF2 (4)	HSPF2 (5)
Non-Duct	24.6	12.7	9.5	7.1
Mixed	22.8	12.2	9.35	7.05
Ducted	21	11.7	9.2	7
COP ²	47°F (8.3°C)	17°F (-8.3°C)	5°F (-15°C)	-13°F (-25°C)
Non-Duct	3.73	2.5	2	1.3
Mixed	3.7	2.55	2	1.3
Ducted	3.66	2.6	2	1.3

LINE SET & REFRIGERANT		
Liquid (in.)	3x1/4"	Connection Type
Gas (in.)	3x3/8"	Flare
Max. Length (Total) (ft)	196.8	
Max. Length (Each) (ft)	98.4	
Max. Height Difference (ODU to IDU) (ft)	49.2	
Max. Height Difference (IDU to IDU) (ft)	33	
Pre-Charge Length (ft x Quantity Example)	25x3	
Ref. Type	R410A	Pre-Charge (oz)
Oil Type	VG74	Oil Volume (ml)
		620

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.

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