

SUBMITTAL - 48,000BTU MULTI-ZONE ODU - M25

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

WARRANTY

Standard 10 Years Parts & Compressor

Terms & Conditions Apply.

TYPE

Air Source Heat Pump

Cold Climate Air Source Heat Pump

MODEL

Outdoor DMA48HOM25230X3

CAPACITY RANGE¹

| Output (Btu/h) | Min. | Rated | Max. |
|----------------|-------|-------|-------|
| Cooling | 12000 | 47000 | 48500 |
| Heating | 13000 | 49000 | 58000 |

HEATING PERFORMANCE²

| Output (Btu/h) | Min. | Rated | Max. |
|----------------|-------|-------|-------|
| 47°F (8.3°C) | 13000 | 49000 | 58000 |
| 17°F (-8.3°C) | 12000 | 36000 | 45000 |
| 5°F (-15°C) | 10000 | 42500 | 46000 |
| -13°F (-25°C) | | 23600 | 23600 |

OUTDOOR TEMPERATURE OPERATING RANGE

Cooling -15~50 °C 5~122 °F

Heating³ -30~24 °C -22~75 °F

ELECTRICAL

| | | | |
|-----------------|-----------|---------------------|--------|
| Power Supply | (V/Ph/Hz) | 208-230/1/60 | |
| Voltage Range | (V) | 187-253 | |
| MCA (A) | 40 | Max. Fuse (ODU) (A) | 60 |
| Power Input (W) | Non-Duct | Mixed | Ducted |
| Cooling (Rated) | 4190 | 4105 | 4020 |
| Cooling (Max.) | 4700 | 4760 | 4820 |
| Heating (Rated) | 3780 | 3840 | 3900 |
| Heating (Max.) | 5800 | 5585 | 5370 |
| Current (A) | Non-Duct | Mixed | Ducted |
| Cooling (Rated) | 18 | 18.1 | 18.2 |
| Heating (Rated) | 17.8 | 17.5 | 17.2 |

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. 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.

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



Images for reference only.



CERTIFIED

| | | |
|--------------------|-----------|-------------------------------------|
| Non-Duct AHRI No.: | 207742550 | <input checked="" type="checkbox"/> |
| Mixed AHRI No.: | 207742552 | <input checked="" type="checkbox"/> |
| Ducted AHRI No.: | 207742551 | <input checked="" type="checkbox"/> |



EFFICIENCY RATINGS

| IDU Type | SEER2 | EER2 | HSPF2 (4) | HSPF2 (5) |
|------------------|--------------|---------------|-------------|---------------|
| Non-Duct | 21.8 | 11.7 | 9.8 | 7.6 |
| Mixed | 21.35 | 11.7 | 9.35 | 7.5 |
| Ducted | 20.9 | 11.7 | 8.9 | 7.4 |
| COP ² | 47°F (8.3°C) | 17°F (-8.3°C) | 5°F (-15°C) | -13°F (-25°C) |
| Non-Duct | 3.8 | 2.3 | 2 | 1.5 |
| Mixed | 3.74 | 2.3 | 2 | 1.48 |
| Ducted | 3.68 | 2.3 | 2 | 1.45 |

LINE SET & REFRIGERANT

| | | | |
|---|---------------|-----------------|---------|
| Liquid (in.) | 5x1/4" | Connection Type | |
| Gas (in.) | 3x3/8"+2x1/2" | Flare | |
| Max. Length (Total) (ft) | 262.4 | | |
| Max. Length (Each) (ft) | 114.8 | | |
| Max. Height Difference (ODU to IDU) (ft) | 49.2 | | |
| Max. Height Difference (IDU to IDU) (ft) | 33 | | |
| Pre-Charge Length (ft x Quantity Example) | 25x5 | | |
| Ref. Type | R410A | Pre-Charge (oz) | 162 |
| Oil Type | VG74 | Oil Volume (ml) | 1460±15 |

DIMENSIONS & WEIGHTS

| | | | |
|---------|-----------------------|-------------------|-------|
| Outdoor | Net (WxDxH; in.) | 37.48x16.34x52.48 | |
| | Gross (WxDxH; in.) | 43.11x19.49x58.27 | |
| | Net Weight lbs kg | 238.32 | 108.1 |
| | Gross Weight lbs kg | 269.84 | 122.4 |

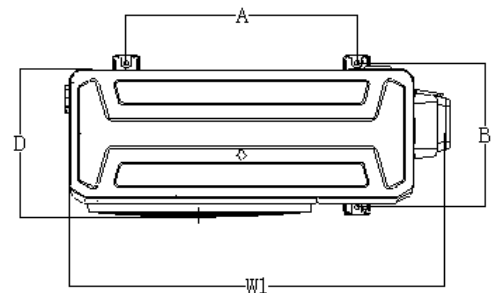
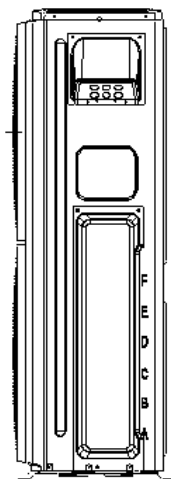
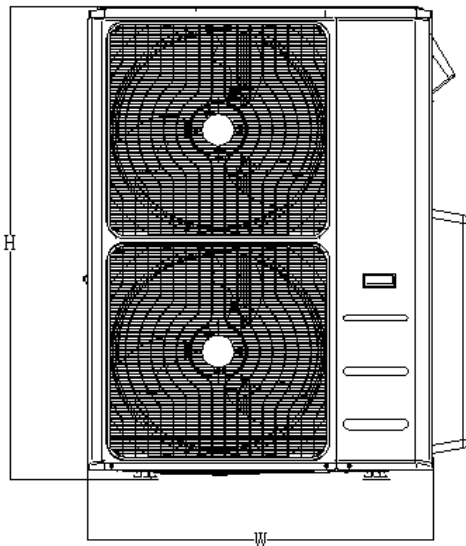
KEY FEATURES

| | |
|---------------------------------|-------------------------------------|
| 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

| |
|----------------------|
| 3/8" to 1/2" Adaptor |
| 1/2" to 3/8" Adaptor |
| 1/4" to 3/8" Adaptor |
| 1/2" to 5/8" Adaptor |

OUTDOOR UNIT DRAWING



| Tag | W | D | H | W1 | A | B | | | |
|--------|------|------|------|------|-----|------|--|--|--|
| inches | 37.5 | 16.3 | 52.5 | 41.7 | 25 | 15.9 | | | |
| mm | 952 | 415 | 1333 | 1060 | 634 | 404 | | | |

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.

FAN

| | |
|--------------------|------|
| Outdoor Max. CFM | 4500 |
| Outdoor Max. dB(A) | 64 |

SYSTEM PAIRINGS

| | |
|--|-------|
| Number of Indoor Units | 2-5 |
| Nominal Connection Range (Mbtu/h) ⁴ | 32-64 |

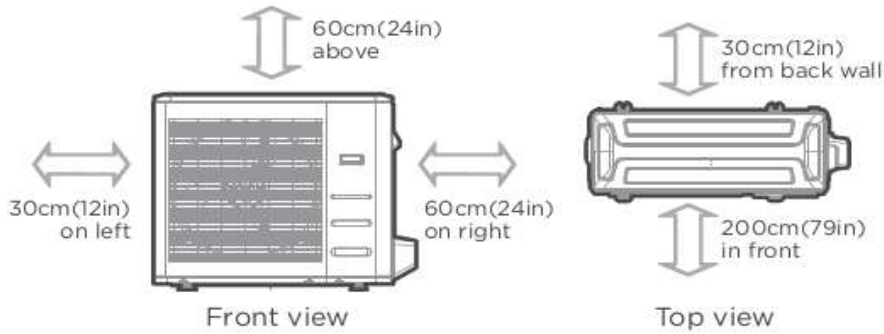
Indoor Unit Types

| |
|------------------------------------|
| DMAxxHIW25230E8 (Wall-Mount) |
| DUAxxHIDU230X5 (Horizontal Ducted) |
| DUAxxHICU230X5 (Ceiling Cassette) |
| DUB12HIFU230X5A (Floor Console) |

OPTIONAL ACCESSORIES⁵

| | |
|--|--------------------------|
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |

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