

SUBMITTAL - 24,000BTU WALL-MOUNT - M28

Job Name: _____

Location: _____

Engineer: _____

Submitted By: _____

Submitted To: _____

Submitted For: _____

Reference **Approval**

Date: _____

Unit Tag: _____

Drawing No.: _____

Construction

WARRANTY

Standard 10 Years Parts & Compressor
Terms & Conditions Apply.

TYPE

Air Source Heat Pump

Cold Climate Air Source Heat Pump

MODELS

Indoor	DMA24HIW25230E8
Outdoor	DMA24HOS28230E8

CAPACITY RANGE¹

Output (Btu/h)	Min.	Rated	Max.
Cooling	8236	24000	26934
Heating	8673	29000	30995

HEATING PERFORMANCE²

Output (Btu/h)	Min.	Rated	Max.
47°F (8.3°C)	8673	29000	30995
17°F (-8.3°C)	5125	21200	24485
5°F (-15°C)	3589	25000	25423
-22°F (-30°C)		11700	11700

OUTDOOR TEMPERATURE OPERATING RANGE

Cooling	-30~50 °C	-22~122 °F
Heating ³	-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)	164		
Max. Height Difference (ft)	82		
Refrigerant Type	R410A		
Pre-Charge (oz)	91.71		
Additional Charge per Foot (oz)	0.32		
Oil Type	VG74	Oil Volume (ml)	620
Drain Pipe O.D. (mm)	19		



Images for reference only.

CERTIFIED

AHRI NO.	 
207742498	

EFFICIENCY RATINGS

SEER2	21.5			
EER2	13			
HSPF2 (4)	11.4			
HSPF2 (5)	9.2			
COP ²	47°F (8.3°C)	17°F (-8.3°C)	5°F (-15°C)	-22°F (-30°C)
	3.4	2.88	2.21	1.19

ELECTRICAL

Power Supply	(V/Ph/Hz)	208-230/1/60		
Voltage Range	(V)	187-253		
MCA (A)	25	Max Fuse (ODU) (A)	35	
Power Input (W)	Min.	Rated	Max.	
	Cooling	650	1845	2400
Heating	710	2500	2700	
Current (A)	Min.	Rated	Max.	
	Cooling	2.12	8.1	11
Heating	4.32	10.9	13	

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.

DIMENSIONS & WEIGHTS

Indoor	Net (WxDxH; in.)	47.09x10.98x14.57	
	Gross (WxDxH; in.)	50.39x14.17x17.91	
	Net Weight lbs kg	43.65	19.8
	Gross Weight lbs kg	54.89	24.9
Outdoor	Net (WxDxH; in.)	37.24x16.14x31.89	
	Gross (WxDxH; in.)	42.91x19.69x34.84	
	Net Weight lbs kg	134.48	61
	Gross Weight lbs kg	144.4	65.5

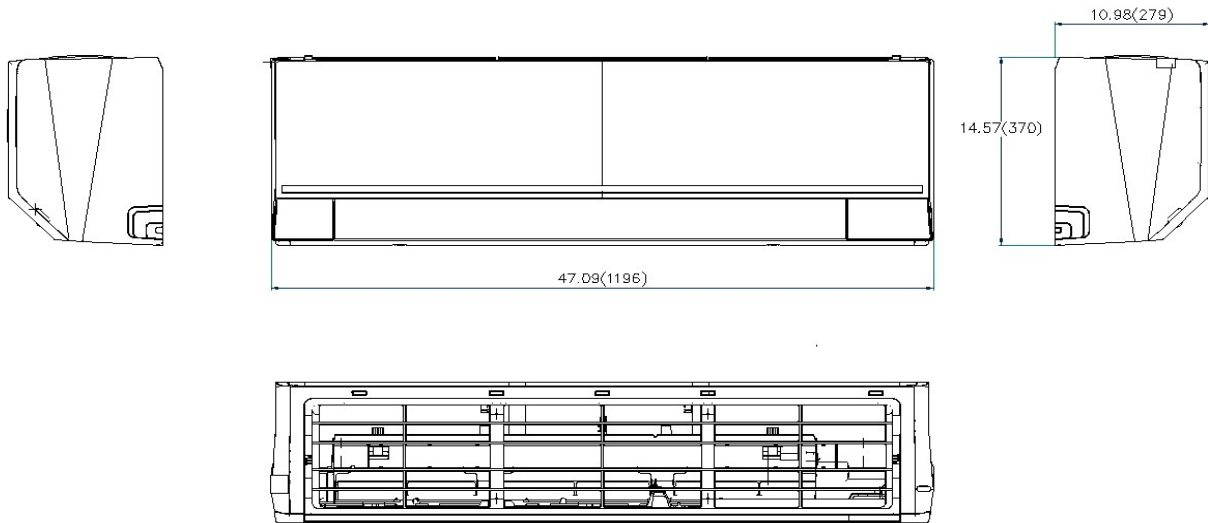
KEY FEATURES

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

RG10L2(D2HS)/BGEFU1 - Remote Controller	

INDOOR UNIT DRAWING



FAN

Indoor	Turbo	High	Med.	Low
CFM	718	611	414	318
dB(A)		46	39	34
Indoor ESP Range inWG				
Indoor Moisture Removal (l/h)				2.6
Outdoor Max. CFM				2235
Outdoor Max. dB(A)				62

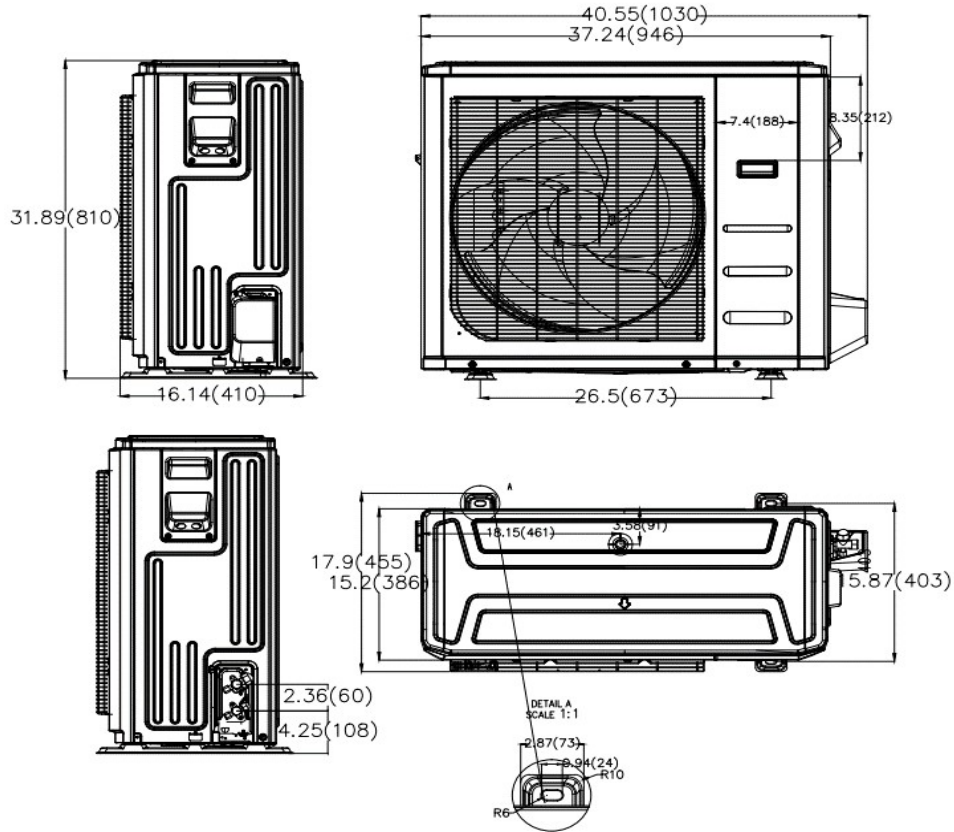
OPTIONAL ACCESSORIES⁴

17310900003167 - Wi-Fi Dongle	<input type="checkbox"/>
KJR-120L(R1)/EFU1 - Wired Controller	<input type="checkbox"/>
KJR-120N(X6)/BGEF - Wired Controller	<input type="checkbox"/>
KJR-120N1(X4)/BGEF - Wired Controller	<input type="checkbox"/>
24VINTERFACEKITUNIVERSAL	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

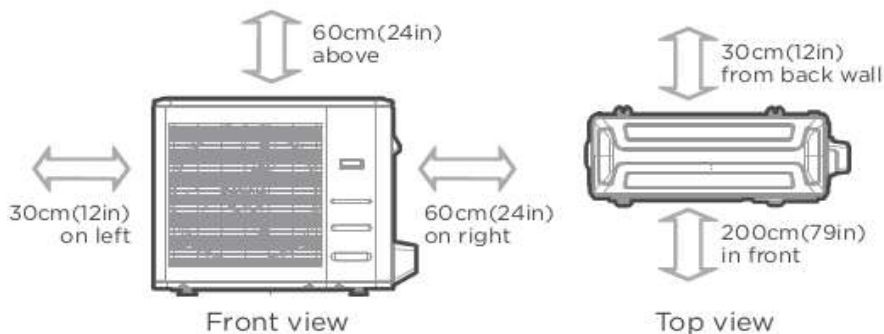
Tag	
inches	
mm	

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