

# SUBMITTAL - 12,000BTU WALL-MOUNT - E25

**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   
 Cold Climate Air Source Heat Pump

### MODELS

Indoor	DEA12HIW25230E8
Outdoor	DEA12HOS25230E8

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

Output (Btu/h)	Min.	Rated	Max.
Cooling	3859	12000	14102
Heating	3962	12000	13941

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

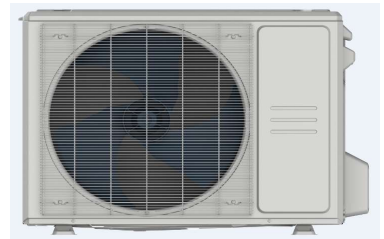
Output (Btu/h)	Min.	Rated	Max.
47°F (8.3°C)	3962	12000	13941
17°F (-8.3°C)	2959	9000	9921
5°F (-15°C)	2305	8000	8981
-13°F (-25°C)			

### OUTDOOR TEMPERATURE OPERATING RANGE

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

### LINE SET & REFRIGERANT

Liquid (in.)	1/4"	Gas (in.)	1/2"
Connection Type	Flared		
Pre-Charge Length (ft)	25		
Max. Length (ft)	82		
Max. Height Difference (ft)	32.8		
Refrigerant Type	R410A		
Pre-Charge (oz)	38.1		
Additional Charge per Foot (oz)	0.16		
Oil Type	VG74	Oil Volume (ml)	310
Drain Pipe O.D. (mm)	19		



Images for reference only.

### CERTIFIED

AHRI NO.		
207742425		

### EFFICIENCY RATINGS

SEER2	24.6			
EER2	13.7			
HSPF2 (4)	10.7			
HSPF2 (5)	8.1			
COP <sup>2</sup>	47°F (8.3°C)	17°F (-8.3°C)	5°F (-15°C)	-13°F (-25°C)
	3.7	2.69	2.39	

### ELECTRICAL

Power Supply	(V/Ph/Hz)	208-230/1/60		
Voltage Range	(V)	187-253		
MCA (A)	13	Max Fuse (ODU) (A)	15	
Power Input (W)	Min.	Rated	Max.	
	Cooling	198	880	1200
Heating	278	945	1400	
Current (A)	Min.	Rated	Max.	
	Cooling	0.86	3.82	5.21
Heating	1.2	4.1	6.08	

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.)	33.66x9.09x11.69
	Gross (WxDxH; in.)	36.22x12.20x14.57
	Net Weight lbs   kg	22.93   10.4
	Gross Weight lbs   kg	28.88   13.1
Outdoor	Net (WxDxH; in.)	30.12x11.93x21.85
	Gross (WxDxH; in.)	34.92x13.27x24.02
	Net Weight lbs   kg	63.71   28.9
	Gross Weight lbs   kg	69   31.3

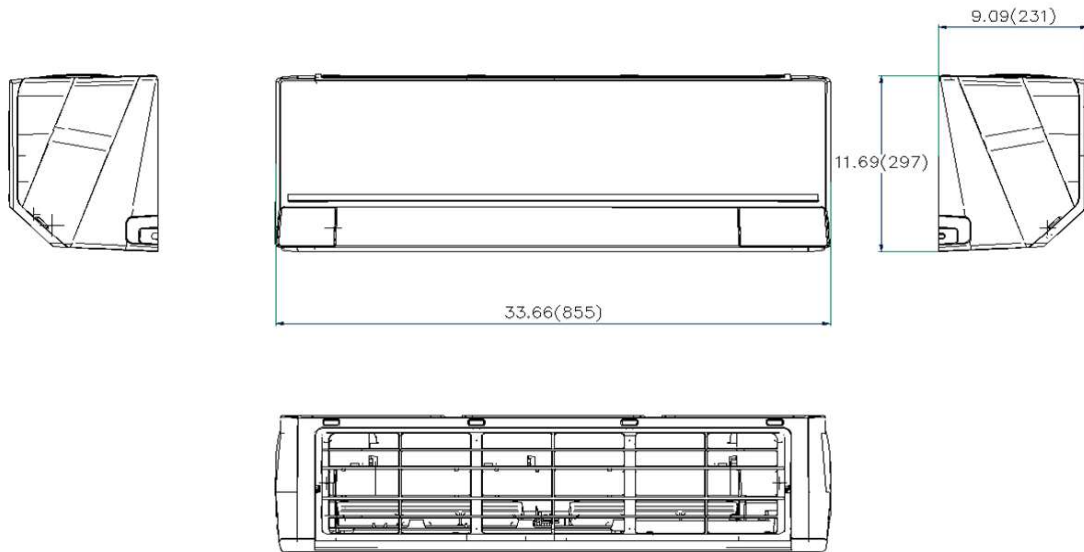
KEY FEATURES	
Rotary Inverter Compressor	<input checked="" type="checkbox"/>
Twin Rotary Inverter Compressor	<input type="checkbox"/>
Base Pan Heater	<input checked="" type="checkbox"/>
Crankcase Heater	<input checked="" type="checkbox"/>

INCLUDED ACCESSORIES	
RG10L2(D2HS)/BGEFU1 - Remote Controller	

## INDOOR UNIT DRAWING

FAN				
Indoor	Turbo	High	Med.	Low
CFM	382	335	229	176
dB(A)		36	33.5	22.5
Indoor ESP Range inWG				
Indoor Moisture Removal (l/h)				1.23
Outdoor Max. CFM				1294
Outdoor Max. dB(A)				53.5

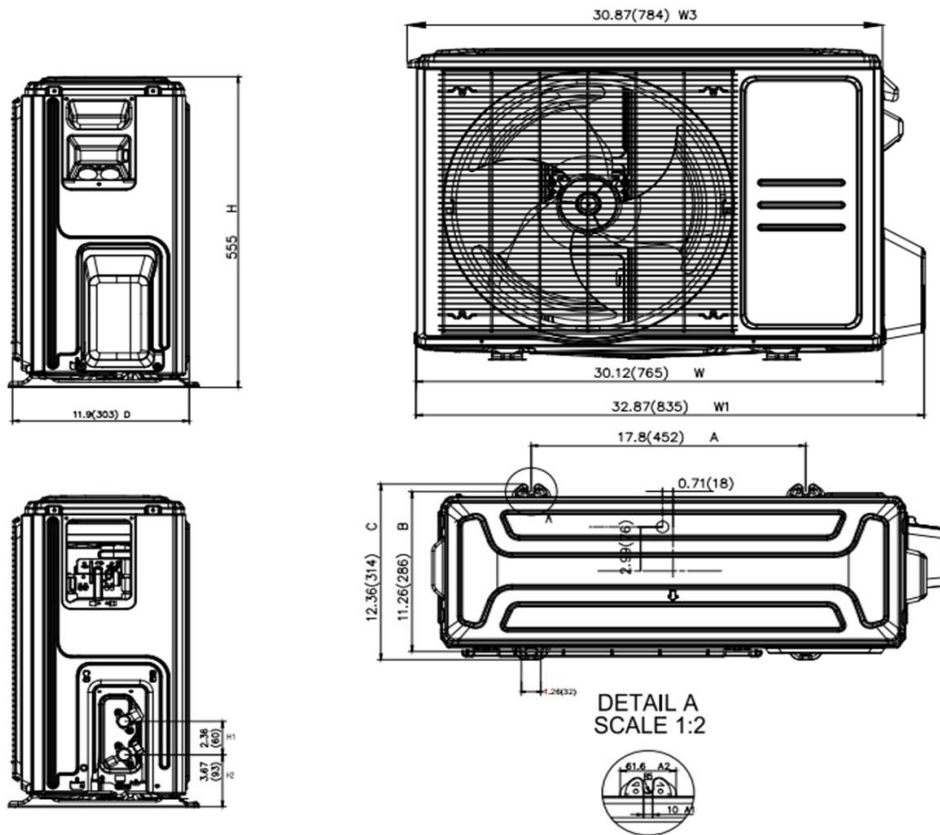
OPTIONAL ACCESSORIES <sup>4</sup>	
17310900003167 - Wi-Fi Dongle	<input type="checkbox"/>
KJR-120L(R1)/EFU1 - Wired Controller	<input type="checkbox"/>
KJR-120N(X6)/BGEF - Wired Controller	<input type="checkbox"/>
KJR-120N1(X4)/BGEF - Wired Controller	<input type="checkbox"/>
24VINTERFACEKITUNIVERSAL	<input type="checkbox"/>
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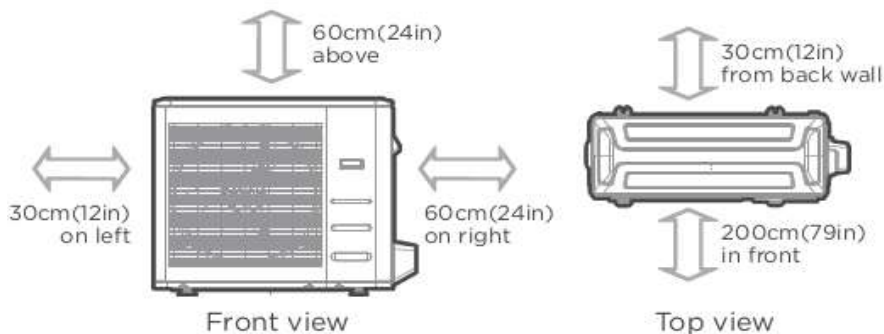
Tag									
inches									
mm									

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**