

## SUBMITTAL - 48,000BTU DUCTED - M18

**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

### MODELS

Indoor	DUA48HIDU230X5
Outdoor	DMA48HOS18230S5

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

Output (Btu/h)	Min.	Rated	Max.
Cooling	10500	48000	48000
Heating	11000	50000	63000

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

Output (Btu/h)	Min.	Rated	Max.
47°F (8.3°C)	11000	50000	63000
17°F (-8.3°C)	8800	34000	41000
5°F (-15°C)	5700	34000	34000
-13°F (-25°C)	3600	26000	26000

### OUTDOOR TEMPERATURE OPERATING RANGE

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

### LINE SET & REFRIGERANT

Liquid (in.)	3/8"	Gas (in.)	5/8"
Connection Type	Flared		
Pre-Charge Length (ft)	25		
Maximum Length (ft)	213.2		
Maximum Height Difference (ft)	98.4		
Refrigerant Type	R410A		
Pre-Charge (oz)	158.73		
Additional Charge per Foot (oz)	0.32		
Oil Type	VG74	Oil Volume (ml)	1400
Drain Pipe O.D. (mm)	25		



Images for reference only.

### CERTIFIED

AHRI NO.	
207742519	

### EFFICIENCY RATINGS

SEER2	15.1			
EER2	8.5			
HSPF2 (4)	9.3			
HSPF2 (5)	7.3			
COP <sup>2</sup>	47°F (8.3°C)	17°F (-8.3°C)	5°F (-15°C)	-13°F (-25°C)
	3.19	2.32	1.91	1.64

### ELECTRICAL

Power Supply	(V/Ph/Hz)	208-230/1/60		
Voltage Range	(V)	187-253		
MCA (A)	39	Max Fuse (ODU) (A)	50	
Power Input (W)	Min.	Rated	Max.	
	Cooling	470	5620	5620
Heating	750	4600	6000	
Current (A)	Min.	Rated	Max.	
	Cooling	4.5	24.5	24.5
Heating	5.4	20.5	25.8	

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.)	47.24x34.41x11.81	
	Gross (WxDxH; in.)	55.31x36.02x14.37	
	Net Weight lbs   kg	119.71	54.3
	Gross Weight lbs   kg	141.76	64.3
Outdoor	Net (WxDxH; in.)	37.48x16.34x52.48	
	Gross (WxDxH; in.)	43.11x19.49x58.27	
	Net Weight lbs   kg	219.14	99.4
	Gross Weight lbs   kg	249.12	113

### 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

KJR-120L(R1)/EFU1 - Wired Controller	

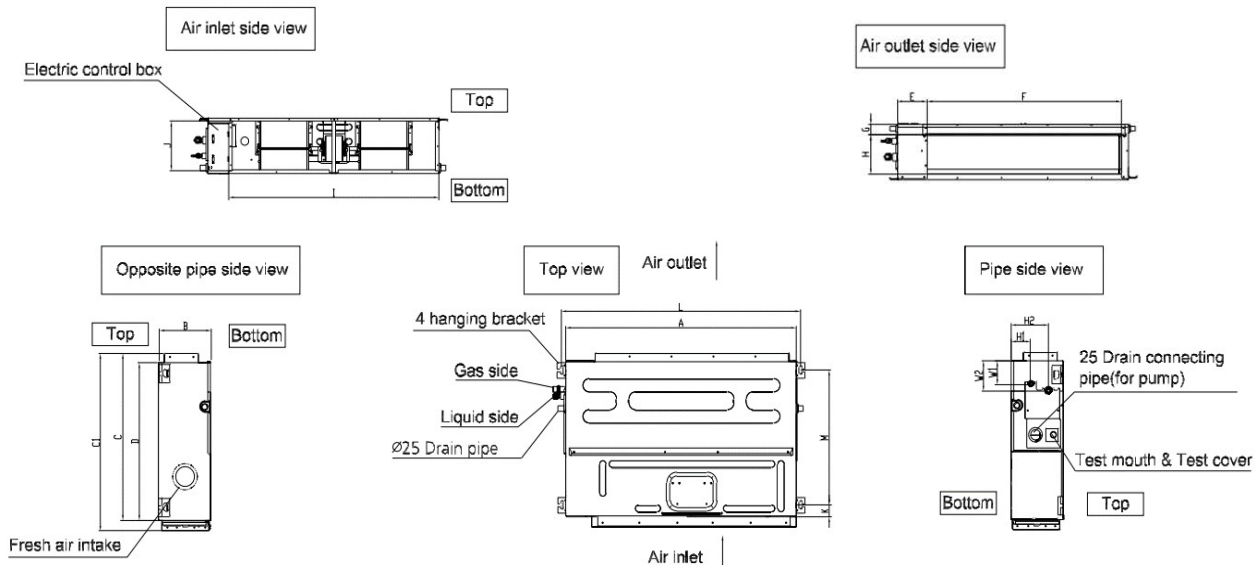
### FAN

Indoor	Turbo	High	Med.	Low
CFM		1228	1031	714
dB(A)		52	50	49
Indoor ESP Range inWG				0-0.64
Indoor Moisture Removal (l/h)				4.43
Outdoor Max. CFM				4500
Outdoor Max. dB(A)				63.5

### OPTIONAL ACCESSORIES<sup>4</sup>

WF-60A1-F - Smart Port	<input type="checkbox"/>
KJR-120N(X6)/BGEF - Wired Controller	<input type="checkbox"/>
KJR-120N(X6W)/BGEF - Wired Controller	<input type="checkbox"/>
24VINTERFACEKITUNIVERSAL	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
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	<input type="checkbox"/>
	<input type="checkbox"/>
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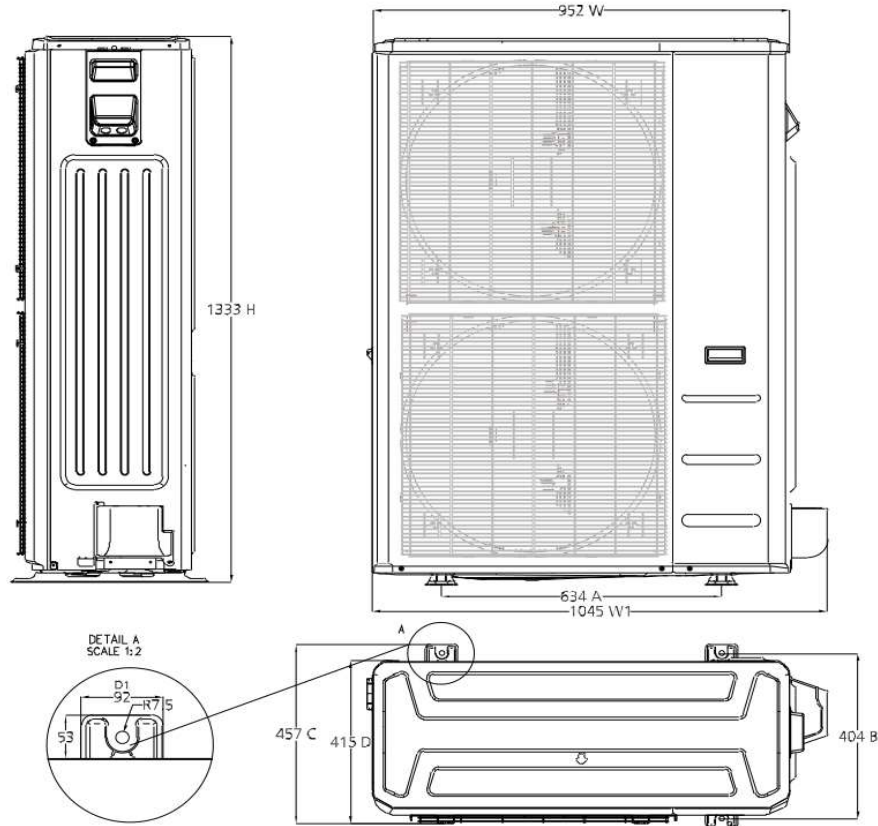
### INDOOR UNIT DRAWING



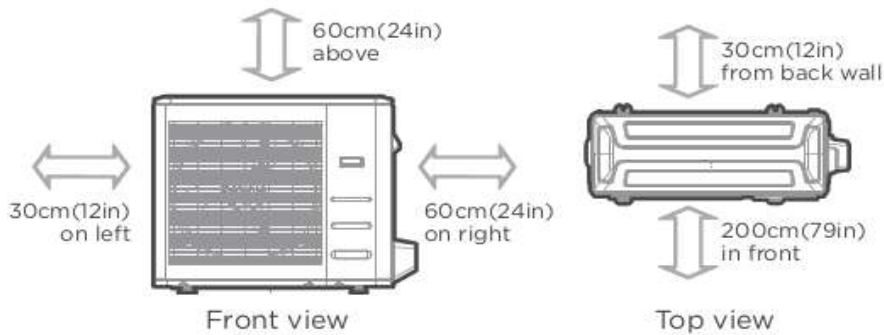
Tag	A	B	C	C1	D	E	F	G	H
inches	47.2	11.8	32.8	34.4	31.5	4.8	41.1	2	8.9
mm	1200	300	834	874	800	123	1044	50	227
Tag	I	J	K	L	M	H1	H2	W1	W2
inches	43.3	11	2	48.8	27.4	3.1	5.9	7.3	8.3
mm	1101	280	50	1240	697	80	150	185	210

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**