



## SUBMITTAL - 24,000BTU DUCTED - M28

Job Name:							
Location:							
Engineer:							
Submitted	Ву:						
Submitted	То:						
WARRANT	Y						
Standard 1	0 Years Part	s & Compre	essor				
Terms & Condition	ns Apply.			13.			
TYPE				o			
Air Source	Heat Pump			a			
Cold Climat	e Air Source	e Heat Pum	p 🗸	-			
MODELS							
Indoor		DUA24I	HIDU230X5				
Outdoor		DMA24H	OS28230E8				
<b>CAPACITY I</b>	RANGE <sup>1</sup>						
Output (Bt	u/h)	Min.	Rated	Max.			
	Cooling	6500	24000	27800			
	Heating	7500	25000	30400			
<b>HEATING P</b>	ERFORMAN	ICE <sup>2</sup>					
Output (Bt	u/h)	Min.	Rated	Max.			
	17°F (8.3°C)	7500	25000	30400			
1	7°F (-8.3°C)	6000	21000	24000			
	5°F (-15°C)	5200	27000	27000			
-2	2°F (-30°C)	2500	11000	11000			
<b>OUTDOOR</b>	TEMPERAT	URE OPERA	TING RANG	iΕ			
Cooling	-30 <b>~</b> 50	°C	-22 <b>~</b> 122	°F			
Heating <sup>3</sup>	-30 <b>~</b> 24	°C	-22 <b>~</b> 75	°F			
LINE SET &	REFRIGERA	NT					
Liquid (in.)	3/8"		Gas (in.)	5/8"			
Connection	Flared						
Pre-Charge	25						
Maximum I	164						
Maximum I	82						
Refrigerant	R410A						
Pre-Charge	91.71						
Additional	0.32						
Oil Type	620						
Drain Pipe O.D. (mm) 25							

Submitted For:	Approval	
Reference	Construction	
Date:		

Unit Tag:
Drawing No.:





Images for reference only.

			illiages i	of reference only.
CERTIFIED				
AHRI NO.				
20774	12524	C U	<b>L)</b> US TED	ENERGY STAR
<b>EFFICIENCY</b>	RATINGS			
SEER2				19.2
EER2				12
HSPF2 (4)				10.5
HSPF2 (5)				8.8
COP <sup>2</sup>	47°F	17°F	5°F	-22°F
	(8.3°C)	(-8.3°C)	(-15°C)	(-30°C)
	3.3	2.64	2	1.24
ELECTRICA	L			
Power Supply		(V/Ph/Hz)	208	3-230/1/60
Voltage Range		(V)		187-253
MCA (A)	25	Max Fuse	e (ODU) (A)	35
Power Input (W)		Min.	Rated	Max.
Cooling		280	2000	2400
	Heating	670	2220	2500
Current (A)		Min.	Rated	Max.
Cooling		2.1	8.52	11
	Heating	4.6	8.19	11.3

<sup>1.</sup> 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.





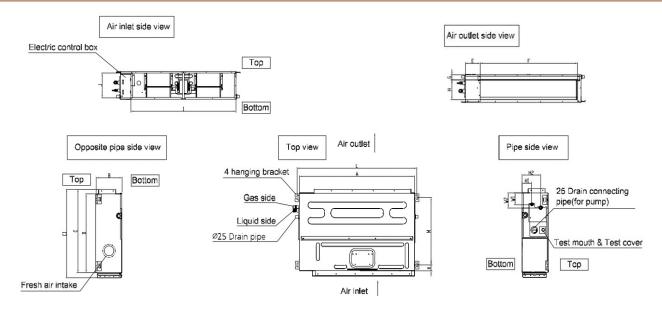
DIMENSIONS & WEIGHTS						
Indoor	Net (WxDxH; in.)	43.31x30.47x9.80				
	Gross (WxDxH; in.)	51.38x31.69x12.40				
	Net Weight lbs   kg	90.39	41			
	Gross Weight lbs   kg	105.82	48			
Outdoor	Net (WxDxH; in.)	37.24x1	6.14x31.89			
	Gross (WxDxH; in.)	19.69x34.84				
	Net Weight lbs   kg	134.48	61			
Gross Weight lbs   kg		144.4	65.5			
KEY FEATURES						
Rotary Inv						
Twin Rota	<b>✓</b>					
Base Pan I	<b>✓</b>					
Crankcase	<b>✓</b>					

FAN				
Indoor	Turbo	High	Med.	Low
CFM		775	693	434
dB(A)		44	40	35.5
Indoor ESP	Range inWo	Ĵ		0-0.64
Indoor Moi	isture Remo	val (l/h)		1.59
Outdoor M	ax. CFM			2235
Outdoor M	ax. dB(A)			62
<b>OPTIONAL</b>	ACCESSORI	ES⁴		
WF-60A1-F				
KJR-120N()				
KJR-120N()				
24VINTERF				

## **INDOOR UNIT DRAWING**

**INCLUDED ACCESSORIES** 

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



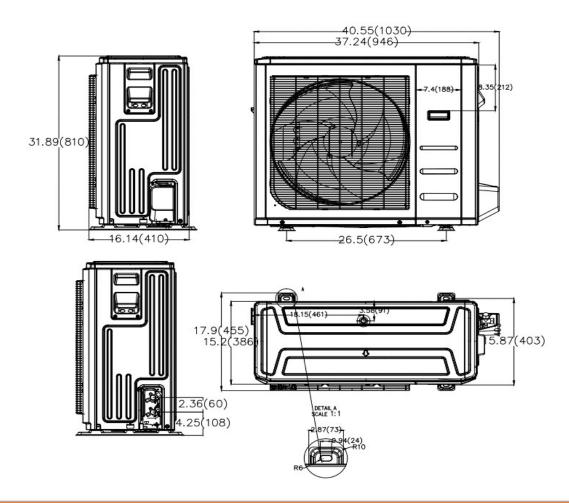
Tag	Α	В	С	C1	D	E	F	G	Н
inches	43.3	9.8	28.9	30.5	27.6	5.5	36.5	2	6.9
mm	1100	249	734	774	700	140	926	50	175
Tag	I	J	K	L	M	H1	H2	W1	W2
inches	39.4	9	2	44.9	23.5	3.1	5.9	5.1	6.1
mm	1001	228	50	1140	598	80	150	130	155

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.

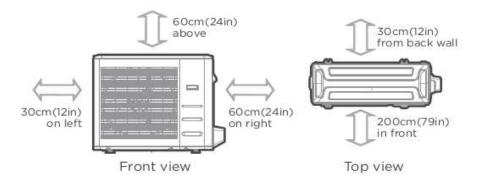




## **OUTDOOR UNIT DRAWING**



## **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**