



SUBMITTAL - 24,000BTU CEILING CASSETTE - M28

Job Name:				
Location:				
Engineer:				
Submitted	Ву:			
Submitted	То:			
WARRANT	Y			
Standard 10	0 Years Part	s & Compre	essor	
Terms & Condition	ns Apply.			
TYPE				
Air Source I	Heat Pump			
Cold Climat	e Air Source	e Heat Pum	p 🗸	
MODELS				
Indoor		DUA24	HICU230X5	
Outdoor		DMA24H0	OS28230E8	
CAPACITY I	RANGE ¹			
Output (Btu	u/h)	Min.	Rated	Max.
	Cooling	6200	24000	25000
	Heating	7500	25000	27000
HEATING P	ERFORMAN	ICE ²		
Output (Btu		Min.	Rated	Max.
47°F (8.3°C)		7500	25000	27000
17°F (-8.3°C)		5800	21000	24000
5°F (-15°C)		5200	25800	26000
-22°F (-30°C) 2100			20000	
OUTDOOR	TEMPERAT	URE OPERA	TING RANG	E
Cooling	-30 ~ 50	°C	-22 ~ 122	°F
Heating ³	-30 ~ 24	°C	-22 ~ 75	°F
LINE SET &	REFRIGERA	NT		
Liquid (in.)	3/8"		Gas (in.)	5/8"
Connection Type				Flared
Pre-Charge	25			
Max. Lengt	164			
Max. Heigh	82			
Refrigerant	R410A			
Pre-Charge	91.71			
Additional Charge per Foot (oz)				0.32
Oil Type VG74 Oil Volume (ml)			620	
Drain Pipe O.D. (mm)				

Submitted For:	Approvai	ш
Reference	Construction	
Date:		
Unit Tag:		



Drawing No.:



Images for reference only.

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CERTIFIED				
AHRI NO.				
207742511		C U	L) US TED	ENERGY STAR
EFFICIENCY	RATINGS			
SEER2				20.5
EER2				11
HSPF2 (4)				11.5
HSPF2 (5)				9.2
COP ²	47°F	17°F	5°F	-22°F
	(8.3°C)	(-8.3°C)	(-15°C)	(-30°C)
	3.51	2.64	2	1.5
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		330	2182	2560
Heating		685	2093	2814
Current (A)		Min.	Rated	Max.
Cooling		2.6	9.9	11.5
Heating		4.4	9.8	12.8

^{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.





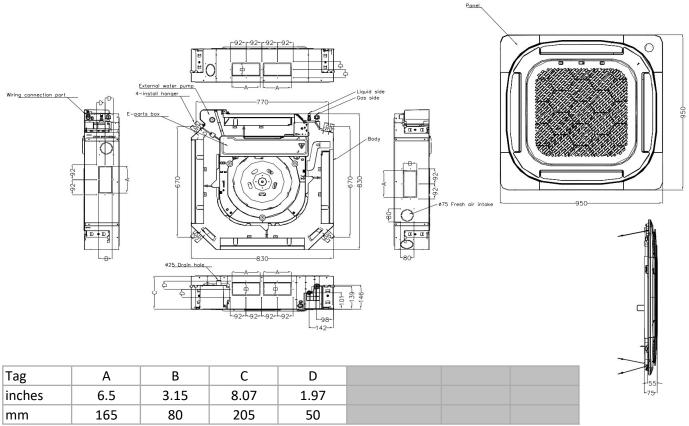
DIMENSIONS & WEIGHTS				
Indoor	Net (WxDxH; in.)	32.68x32.68x8.07		
	Gross (WxDxH; in.)	35.83x35.83x9.84		
	Net Weight lbs kg	47.18	21.4	
	Gross Weight lbs kg	55.34	25.1	
Outdoor	Net (WxDxH; in.)	37.24x16.14x31.8		
	Gross (WxDxH; in.)	42.91x19.69x34.84		
	Net Weight lbs kg	134.48	61	
	Gross Weight lbs kg	144.4	65.5	
KEY FEATURES				
Rotary Inverter Compressor				
Twin Rota	✓			
Base Pan I	✓			
Crankcase Heater			✓	

FAN				
Indoor	Turbo	High	Med.	Low
CFM	764	705	635	547
dB(A)		48	45.5	43
Indoor ESP	Indoor ESP Range inWG			
Indoor Moi	Indoor Moisture Removal (I/h)			2.72
Outdoor M	Outdoor Max. CFM			2235
Outdoor M	ax. dB(A)			62
OPTIONAL ACCESSORIES ⁴				
CASSETTEGRILL2448A - Required				
WF-60A1-F - Smart Port				
KJR-120L(R1)/EFU1 - Wired Controller				
KJR-120N(X6)/BGEF - Wired Controller				
KJR-120N(X6W)/BGEF - Wired Controller				
24VINTERFACEKITUNIVERSAL				

INDOOR UNIT DRAWING

INCLUDED ACCESSORIES

RG10A(D2S)/BGEFU1 - Remote Controller

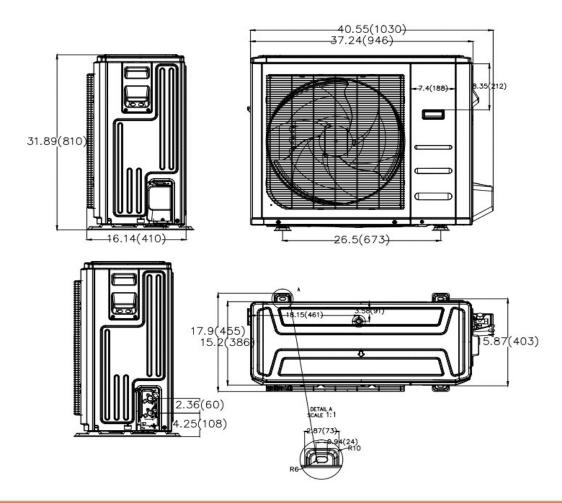


Drawing dimensions are nominal. Specifications subject to change without notice. 4. Connection of these accessories may require secondary items not listed; refer to full product literature.

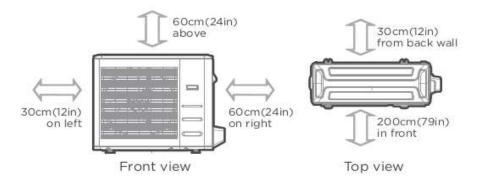




OUTDOOR UNIT DRAWING



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