



SUBMITTAL DATA SHEET

12000Btu/h	A-Coil
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

Set Code	22023110001307
Indoor unit code	22023111000510
Outdoor unit code	22023116000441
Set Model	
Indoor unit model	MCD18/24B1A
Outdoor unit model	CMA1512SA-1
Certified	AHRI 
	UL 



SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity	(A)	15.0	
Max.fuse	(A)	20.0	
Connection wiring		18AWG	
Cooling			
Rated Capacity	(Btu/h)	12000	
Capacity Range	(Btu/h)	10000-20000	
Power Input (Max)	(W)	960(250-1900)	
Rated current	(A)	4.2(1.0-9.0)	
SEER	(Btu/W)	15.2	
EER	(Btu/W)	12.5	

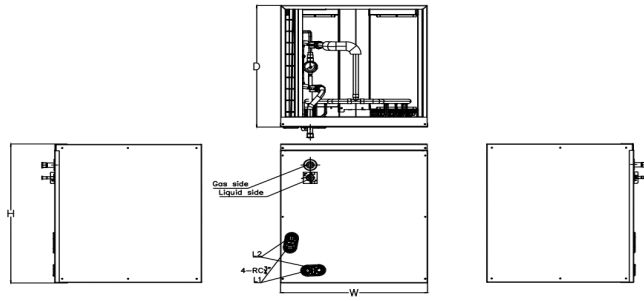
Heating			
Rated Capacity	(Btu/h)	/	
Capacity Range	(Btu/h)	/	
Power Input (Max)	(W)	/	
Rated current	(A)	/	
HSPF4	(Btu/W)	/	
HSPF5	(Btu/W)	/	
COP	W/W	/	
Heating at 5F			
Capacity	(Btu/h)	/	
COP	W/W	/	

REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	(kg)	1.6	
	(oz)	54.67	
Additional charge for each ft	(oz/ft)	0.69	
	(g/m)	65	
Liquid side/ Gas side	(inch)	3/8" / 3/4"	
	(mm)	φ9.52 / φ19	
Max. pipe length	(ft)	164.0	
	(m)	50	
Max. difference in level	(ft)	82.0	
	(m)	25	
Connection method	Indoor	Braze	
	Outdoor	Flared to braze	
Indoor(cooling)	(Deg. °F / °C)	62-90/17-32	
Indoor(heating)	(Deg. / °C)	/	
Outdoor(cooling)	(Deg. / °C)	5-122 / -15- 50	
Outdoor(heating)	(Deg. / °C)	/	

INDOOR UNIT DATA			
Throttle			TXV for Cooling
IRV	inch ³	58.3	
Air flow	SCFM	400	
Pressure drop	Pa	32.7	
	In. wg.	0.13	
Indoor unit			
Dimension (WxDxH)	(inch)	17.52x20.98x17.99	
	(mm)	445x533x457	
Packing(WxDxH)	(inch)	19.88x25.59x19.29	
	(mm)	505x650x490	
Net/Gross weight	(lbs.)	42.77/52.03	
	(kg)	19.4/23.6	

OUTDOOR UNIT DATA			
Compressor			
Type			KSN140D21UFZ
Model			ROTARY
Brand			GMCC
Capacity	(Btu/h)	4385	
Input	(W)	1140	
Rated current (RLA)	(A)	8	
Refrigerant oil/oil charge	(ml)	VG74 440	
Throttle			/
Outdoor fan motor			
Model			ZKFN-80-8-3
Qty			1
Input	(W)	/	
RLA	(A)	1.0	
Speed	(r/min)	800/700/580	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	1279	
Outdoor noise level	[dB(A)]	57	
Outdoor unit			
Dimension (W×D×H)	(inch)	38x13.25x26.50	
	(mm)	890x342x673	
Packing (W×D×H)	(inch)	39.17x15.67x29.13	
	(mm)	995x398x740	
Net/ Gross weight	(lbs.)	83.77/92.59	
	(kg)	38/42	

Indoor unit dimension



Model	Unit	Dimensions (mm)			Drain hole	
		W	D	H	L1	L2
12K-24K	mm	445	533	457	Main drain hole	Overflow drain hole
	inch	17 1/2	21	18		
30K-48K	mm	533	533	609		
	inch	21	21	24		
60K	mm	622	533	711		
	inch	24	21	28		

Outdoor unit dimension

