



SUBMITTAL DATA SHEET

18000Btu/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	CMA1518SA-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)	18000	
Capacity Range	(Btu/h)	10000-21000	
Power Input (Max)	(W)	1538(250-1900)	
Rated current	(A)	6.8(1.0-9.0)	
SEER	(Btu/W)	16.5	
EER	(Btu/W)	11.7	

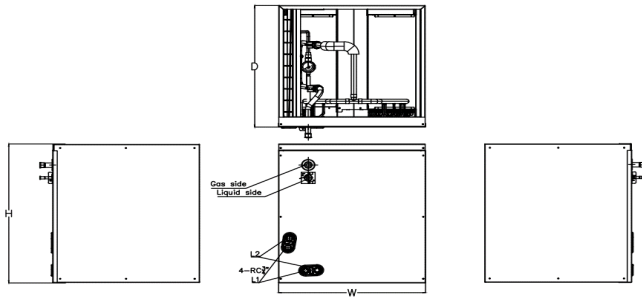
Heating			
Rated Capacity	(Btu/h)	/	
Capacity Range	(Btu/h)	/	
Power Input (Max)	(W)	/	
Rated current	(A)	/	
HSPF4	(Btu/W)	/	
HSPF5	(Btu/W)	/	
COP	W/W	/	
Heating at 5F			
Capacity	(Btu/h)	/	
COP	W/W	/	

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	550	
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)	35.04x13.46x26.50	
	(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	Main drain hole	Overflow drain hole
	inch	21	21	24		
60K	mm	622	533	711	Main drain hole	Overflow drain hole
	inch	24	21	28		

Outdoor unit dimension

