



24000Btu/h	A-Coil
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

Set Code	22023110001308
Indoor unit code	22023111000510
Outdoor unit code	22023116000461
Set Model	
Indoor unit model	MCD18/24B1A
Outdoor unit model	CMA1524SA-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)	20.0	
Max.fuse	(A)	30.0	
Connection wiring		18AWG	
Cooling			
Rated Capacity	(Btu/h)	24000	
Capacity Range	(Btu/h)	10000-29000	
Power Input (Max)	(W)	2105(380-2800)	
Rated current	(A)	9.0(1.8-11.0)	
SEER	(Btu/W)	17.0	
EER	(Btu/W)	11.4	

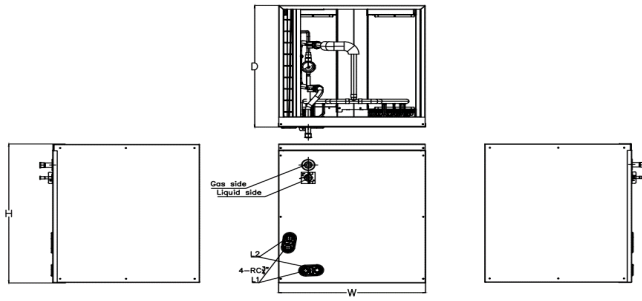
Heating			
Rated Capacity	(Btu/h)	/	
Capacity Range	(Btu/h)	/	
Power Input (Max)	(W)	/	
Rated current	(A)	/	
HSPF4	(Btu/W)	/	
HSPF5	(Btu/W)	/	
COP	W/W	/	
Heating at 5F			
Capacity	(Btu/h)	/	
COP	W/W	/	

REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	(kg)	2.4	
	(oz)	84.66	
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	inch³3	58.3	
Air flow	SCFM	720	
Pressure drop	Pa	51.3	
	In. wg.	0.21	
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		KTM240D46UKT2	
Model		ROTARY	
Brand		GMCC	
Capacity	(Btu/h)	4780/7600	
Input	(W)	805/2045	
Rated current (RLA)	(A)	13.0	
Refrigerant oil/oil charge	(ml)	VG74/620	
Throttle			
		/	
Outdoor fan motor			
Model		ZKFN-120-8-2	
Qty		1	
Input	(W)	150	
RLA	(A)	1.0	
Speed	(r/min)	1150/1050/900/850	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	3000	
Outdoor noise level	[dB(A)]	61.5	
Outdoor unit			
Dimension (W×D×H)	(inch)	40.50x16.14x31.89	
	(mm)	946x410x810	
Packing (W×D×H)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	116.40/127.21	
	(kg)	52.8/57.7	

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

