



SUBMITTAL DATA SHEET

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

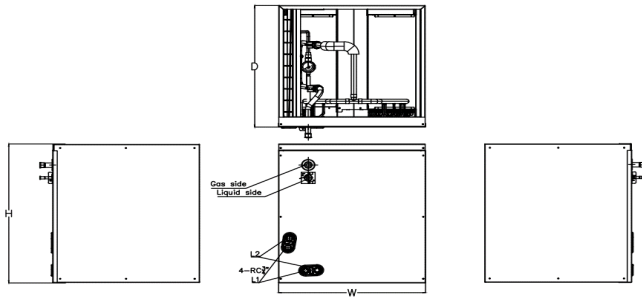
INDOOR UNIT DATA

Throttle		TXV for Cooling
IRV	inch ³	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)	37.24x16.14x31.89
	(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

