



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)	/

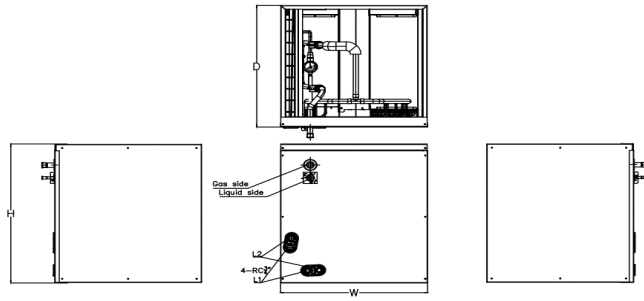
INDOOR UNIT DATA

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)	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		
	inch	21	21	24		
60K	mm	622	533	711		
	inch	24	21	28		

Outdoor unit dimension

