



48000Btu/h	A-Coil
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

<b>Set Code</b>	22023110001288
Indoor unit code	22023111000491
Outdoor unit code	22023116000421
<b>Set Model</b>	
Indoor unit model	MCD60D1A
Outdoor unit model	CMA1548SA-1
<b>Certified</b>	
AHRI	
UL	



**SYSTEM PERFORMANCE DATA**

<b>Power supply</b>			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
<b>Electrical</b>			
Minimum circuit ampacity	(A)	32.0	
Max.fuse	(A)	50.0	
Connection wiring		18AWG	
<b>Cooling</b>			
Rated Capacity	(Btu/h)	44000	
Capacity Range	(Btu/h)	13000-52000	
Power Input (Max)	(W)	4000(540-5400)	
Rated current	(A)	22(2-22)	
SEER	(Btu/W)	15.9	
EER	(Btu/W)	11	
<b>Heating</b>			
Rated Capacity	(Btu/h)	/	
Capacity Range	(Btu/h)	/	
Power Input (Max)	(W)	/	
Rated current	(A)	/	
HSPF4	(Btu/W)	/	
HSPF5	(Btu/W)	/	
COP	W/W	/	
<b>Heating at 5F</b>			
Capacity	(Btu/h)	/	
COP	W/W	/	

**REFRIGERANT PIPE DATA**

Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	(kg)	4.45
	(oz)	156.97
Additional charge for each ft	(oz/ft)	0.69
	(g/m)	65
Liquid side/ Gas side	(inch)	3/8" / 7/8"
	(mm)	φ9.52 / φ22
Max. pipe length	(ft)	213.0
	(m)	65
Max. difference in level	(ft)	98.0
	(m)	30
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)	/

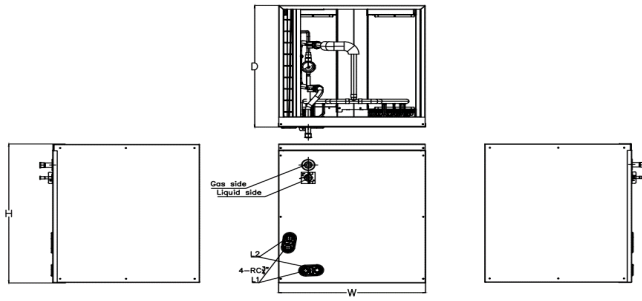
**INDOOR UNIT DATA**

<b>Throttle</b>		TXV for Cooling
<b>IRV</b>	inch³3	158
<b>Air flow</b>	SCFM	1015
<b>Pressure drop</b>	Pa	70
	In. wg.	0.28
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	24.49x20.98x27.99
	(mm)	622x533x711
Packing(WxDxH)	(inch)	27.17x25.59x29.33
	(mm)	690x650x745
Net/Gross weight	(lbs.)	86.64/98.33
	(kg)	39.3/44.6

**OUTDOOR UNIT DATA**

<b>Compressor</b>		
Type		KTQ420D1UMU
Model		ROTARY
Brand		GMCC
Capacity	(Btu/h)	13700
Input	(W)	3700
Rated current (RLA)	(A)	22.1
Refrigerant oil/oil charge	(ml)	VG74/1400
<b>Throttle</b>		
/		/
<b>Outdoor fan motor</b>		
Model		ZKFN-85-8-22-5
Qty		2
Input	(W)	126
RLA	(A)	2.4
Speed	(r/min)	850/750/650
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	4500.0
Outdoor noise level	[dB(A)]	65
<b>Outdoor unit</b>		
Dimension (W×D×H)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (W×D×H)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	212.52/244.27
	(kg)	96.4/110.8

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

