



SUBMITTAL DATA SHEET

ComfortStar®

CGS24CD(I)/CGS24CD(O)	24,000 BTU/H(208/230V) Wall Mounted Heat Pump System
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

Set Model	
Indoor unit model	CGS24CD(I)
Outdoor unit model	CGS24CD(O)
Certified	
AHRI	
UL	



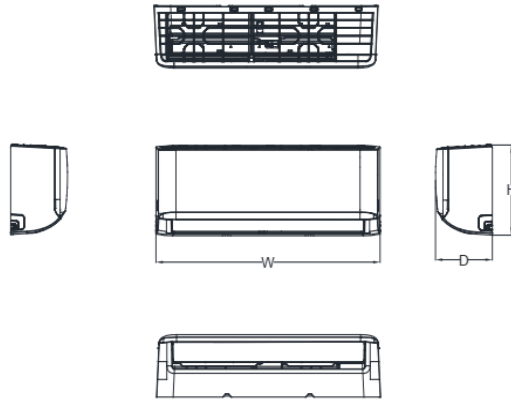
SYSTEM PERFORMANCE DATA		
Power supply		
Normal Operational Voltage (V, Ph, Hz)		208/230, 1, 60
Voltage Range (V)		187-253
Electrical		
Minimum circuit ampacity (A)		19
Max.fuse (A)		30
Connection wiring		14*4 AWG
Cooling		
Rated Capacity (Btu/h)		24000
Capacity Range (Btu/h)		6200~24600
Power Input (Max) (W)		2520
Rated current (A)		11.2
SEER2 (Btu/W)		18.5
EER2 (Btu/W)		9.5
Heating at 47F		
Rated Capacity (Btu/h)		24000
Capacity Range (Btu/h)		6800~26800
Power Input (Max) (W)		2320
Rated current (A)		10.25
HSPF2-4 (Btu/W)		8.6
HSPF2-5 (Btu/W)		6.6
COP W/W		3.03
Heating at 17F		
Max Capacity (Btu/h)		14800

REFRIGERANT PIPE DATA		
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/62.8
Refrigerant precharge (ft)		25.0
	(m)	7.6
Additional charge for each ft (oz/ft)		0.32
	(g/ft)	30
Liquid side/ Gas side (inch)		3/8" / 5/8"
	(mm)	Φ9.52 / Φ15.9
Max. pipe length (ft)		164.0
	(m)	50.0
Max. difference in level (ft)		82.0
	(m)	25.0
Connection method		(Flared)
Indoor(cooling/ heating) (Deg. °F)		60~90 / 32~86
	(Deg. °C)	16~32 / 0~30
Outdoor(cooling/heating) (Deg. °F)		5~122 / 5~75
	(Deg. °C)	-15~50 / -15~24
Application area (sq.ft)		344.44~505.90
	(m2)	32~47

INDOOR UNIT DATA		
Indoor fan motor		
Type		Cross-Flow
Model		ZKFP-58-8-1-5
Qty		1
Input (W)		58.0
RLA (A)		--
LRA (A)		--
Winding Resistance (Ω)		--
Capacitor (uF)		--
Speed(Hi/Mi/Lo) (r/min)		1200/1080/600
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct) (CFM)		546.47/402.35/330.59
Indoor noise level (Hi/Med/Lo) [dB(A)]		45/39.5/36
Dehumidification (Pint/H)		--
Indoor unit		
Dimension (WxDxH) (inch)		42.60x9.21x13.27
	(mm)	1082x234x337
Packing(WxDxH) (inch)		45.47x16.34x12.40
	(mm)	1155x415x315
Net/Gross weight (lbs.)		29.98/38.14
	(kg)	13.6/17.3

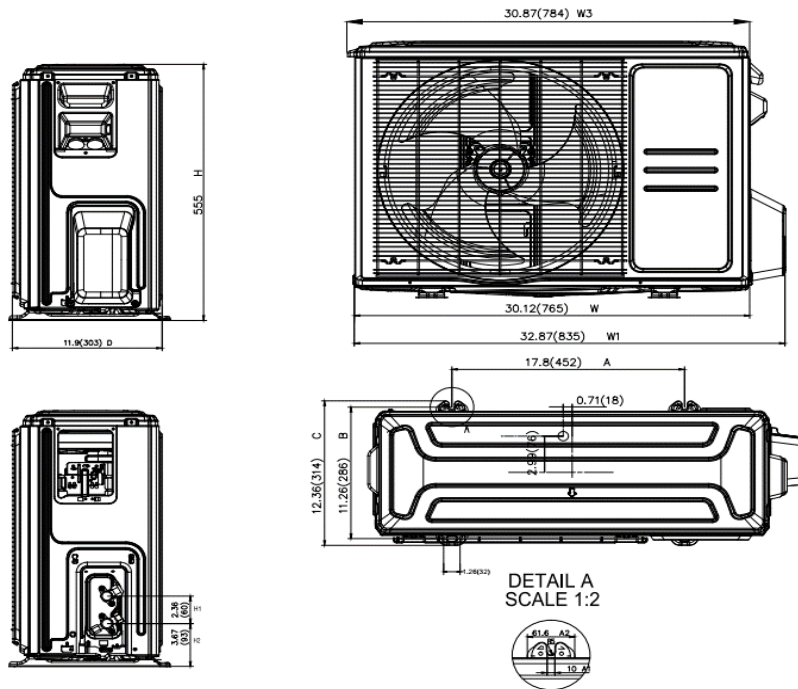
OUTDOOR UNIT DATA		
Compressor		
Type		KTM240D43UKT
Model		DUAL ROTARY
Brand		GMCC
Capacity (Btu/h)		25932.27641
Input (W)		2045
Rated current (RLA) (A)		--
Refrigerant oil/oil charge (ml)		--
Throttle		Capillary
Outdoor fan motor		
Model		ZKFN-80-8-3
Qty		1
Input (W)		--
RLA (A)		--
Speed (r/min)		810/720
Air flow & Noise level		
Outdoor air flow (Max.) (CFM)		1764.71
Outdoor noise level [dB(A)]		60.00
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.)		29.98/38.14
	(kg)	13.6/17.3

Indoor unit dimension



Capacity	Body Code	W(mm/inch)	D(mm/inch)	H(mm/inch)
6K~11K	A	729/28.7	200/7.87	292/11.5
8K~14K	B	802/31.57	200/7.87	295/11.61
12K~21K	C	971/38.23	228/8.98	321/12.64
18K~28K	D	1082/42.6	234/9.21	337/13.27
27K~36K	F	1259/49.57	283/11.14	362/14.25

Outdoor unit dimension



General Features

Wireless Remote with LCD Display
46F Heating
Sleep Mode
Silent Mode
Self Clean
Follow Me (optional)

Extended Performance Data