


SUBMITTAL DATA SHEET




<b>CGS12CA(I)/CGS12CA(O)</b>	<b>12,000 BTU/H(115V) Wall Mounted Heat Pump System</b>
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

**Set Model**  
 Indoor unit model CGS12CA(I)  
 Outdoor unit model CGS12CA(O)

**Certified**

AHRI 

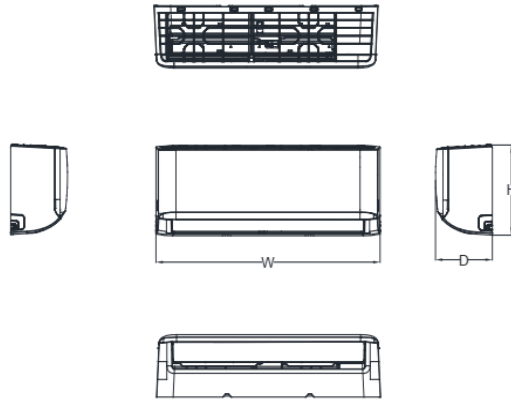
UL 



SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Voltage (V, Ph, Hz)		115, 1, 60
Voltage Range (V)		103.5-126.5
<b>Electrical</b>		
Minimum circuit ampacity (A)		18.5
Max.fuse (A)		25
Connection wiring		14*4 AWG
<b>Cooling</b>		
Rated Capacity (Btu/h)		12000
Capacity Range (Btu/h)		3800~12100
Power Input (Max) (W)		1165
Rated current (A)		10.13
SEER2 (Btu/W)		20.8
EER2 (Btu/W)		10.3
<b>Heating at 47F</b>		
Rated Capacity (Btu/h)		12000
Capacity Range (Btu/h)		2730~12500
Power Input (Max) (W)		1154
Rated current (A)		10.05
HSPF2-4 (Btu/W)		8.7
HSPF2-5 (Btu/W)		6.5
COP W/W		3.05
<b>Heating at 17F</b>		
Max Capacity (Btu/h)		9000
REFRIGERANT PIPE DATA		
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/28.6
Refrigerant precharge (ft)		25.0
	(m)	7.6
Additional charge for each ft (oz/ft)		0.16
	(g/ft)	15
Liquid side/ Gas side (inch)		1/4" / 1/2"
	(mm)	Φ6.35 / Φ12.7
Max. pipe length (ft)		82.0
	(m)	25.0
Max. difference in level (ft)		32.8
	(m)	10.0
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)		172.22~247.57
	(m2)	16~23

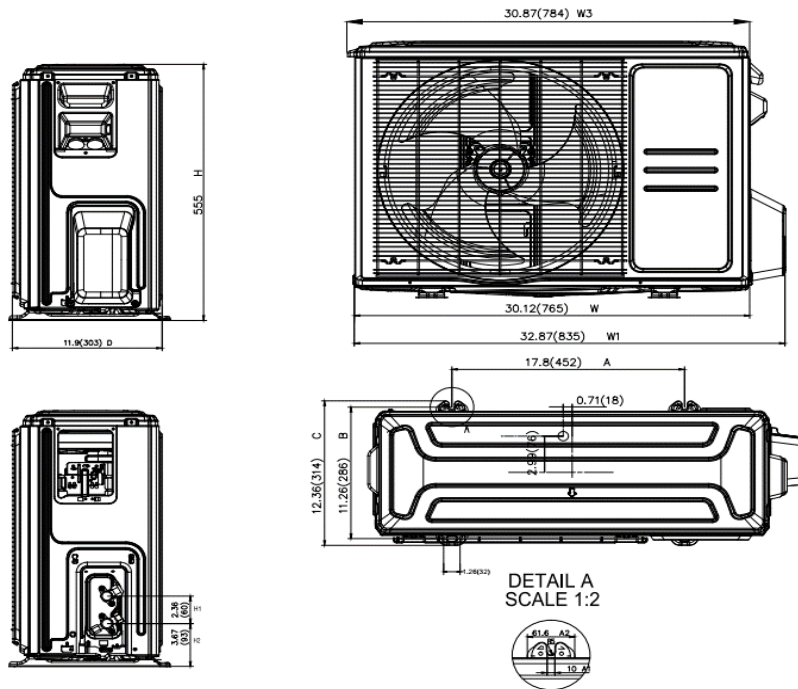
INDOOR UNIT DATA		
<b>Indoor fan motor</b>		
Type		Cross-Flow
Model		ZKFP-20-8-113
Qty		1
Input (W)		35.0
RLA (A)		--
LRA (A)		--
Winding Resistance (Ω)		--
Capacitor (uF)		--
Speed(Hi/Mi/Lo) (r/min)		850/750/450
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct) (CFM)		300.00/241.18/176.47
Indoor noise level (Hi/Med/Lo) [dB(A)]		41/35/26.5
<b>Dehumidification</b> (Pint/H)		--
<b>Indoor unit</b>		
Dimension (WxDxH) (inch)		31.57x7.87x11.61
	(mm)	802x200x295
Packing(WxDxH) (inch)		34.45x11.22x14.96
	(mm)	875x285x380
Net/Gross weight (lbs.)		18.52/24.03
	(kg)	8.4/10.9
OUTDOOR UNIT DATA		
<b>Compressor</b>		
Type		KSN98D64UFZ3
Model		ROTARY
Brand		GMCC
Capacity (Btu/h)		6585 / 10578
Input (W)		292 / 765
Rated current (RLA) (A)		--
Refrigerant oil/oil charge (ml)		--
Throttle		Capillary
<b>Outdoor fan motor</b>		
Model		ZKFN-34-10-1-3
Qty		1
Input (W)		--
RLA (A)		--
Speed (r/min)		780/700/600
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.) (CFM)		1235.29
Outdoor noise level [dB(A)]		53.50
<b>Outdoor unit</b>		
Dimension (W×D×H) (inch)		30.12x11.93x21.85
	(mm)	765x303x555
Packing (W×D×H) (inch)		34.92x13.27x24.02
	(mm)	887x337x610
Net/ Gross weight (lbs.)		62.17/67.68
	(kg)	28.2/30.7

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**