

SUBMITTAL DATA SHEET




<b>CGS09CA(I)/CGS09CA(O)</b>	<b>9,000 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 CGS09CA(I)  
 Outdoor unit model CGS09CA(O)

**Certified**

AHRI 

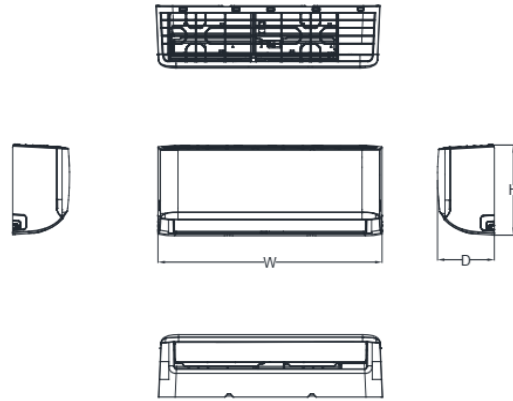
UL 



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)		20
Max.fuse (A)		30
Connection wiring		14*4 AWG
<b>Cooling</b>		
Rated Capacity (Btu/h)		9000
Capacity Range (Btu/h)		2650~10300
Power Input (Max) (W)		725
Rated current (A)		6
SEER2 (Btu/W)		21.5
EER2 (Btu/W)		12.5
<b>Heating at 47F</b>		
Rated Capacity (Btu/h)		10000
Capacity Range (Btu/h)		2700~10500
Power Input (Max) (W)		900
Rated current (A)		7.82
HSPF2-4 (Btu/W)		9.1
HSPF2-5 (Btu/W)		7.0
COP W/W		3.26
<b>Heating at 17F</b>		
Max Capacity (Btu/h)		6000
REFRIGERANT PIPE DATA		
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/25.4
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" / 3/8"
(mm)		Φ6.35 / Φ9.52
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)		129.17~193.75
(m2)		12~18

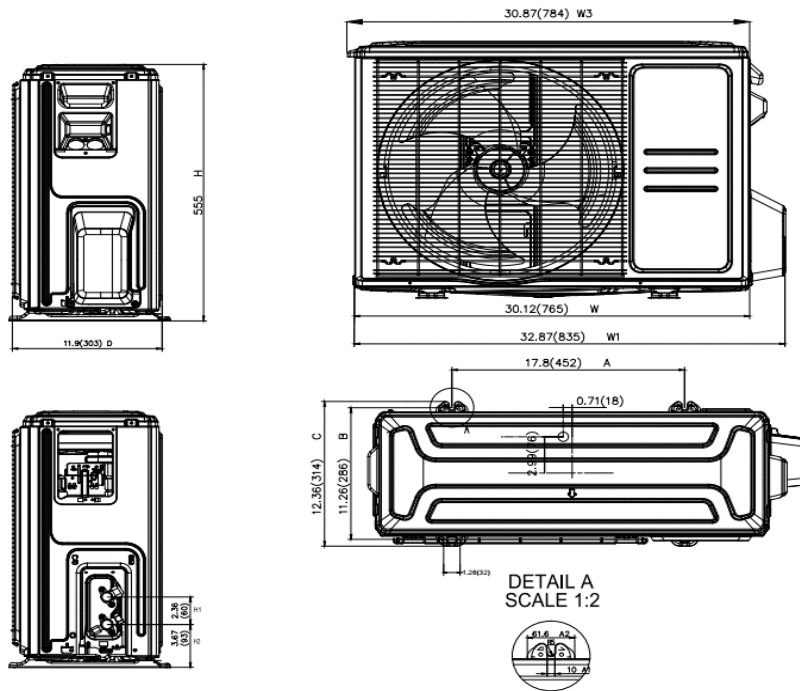
INDOOR UNIT DATA		
<b>Indoor fan motor</b>		
Type		Cross-Flow
Model		ZKFP-20-8-113
Qty		1
Input (W)		35.0
RLA (A)		--
LRA (A)		--
Winding Resistance (Ω)		--
Capacitor (uF)		--
Speed(Hi/Mi/Lo) (r/min)		1050/810/690
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct) (CFM)		238.82/170.00/137.06
Indoor noise level (Hi/Med/Lo) [dB(A)]		37.5/28/20
<b>Dehumidification (Pint/H)</b>		
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<b>Indoor unit</b>		
Dimension (WxDxH) (inch)		28.70x7.87x11.50
(mm)		729x200x292
Packing(WxDxH) (inch)		31.10x10.63x14.76
(mm)		790x270x375
Net/Gross weight (lbs.)		17.64/22.71
(kg)		8.0/10.3
OUTDOOR UNIT DATA		
<b>Compressor</b>		
Type		KSK103D33UEZ3
Model		ROTARY
Brand		GMCC
Capacity (Btu/h)		6944 / 11107
Input (W)		325 / 826
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)		800/600
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.) (CFM)		1294.12
Outdoor noise level [dB(A)]		55.00
<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.)		57.76/63.49
(kg)		26.2/28.8

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**