



## SUBMITTAL DATA SHEET

# ComfortStar®

CHF12CA(I)/CZP12CA(O)	Wall Mounted Heat Pump System
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

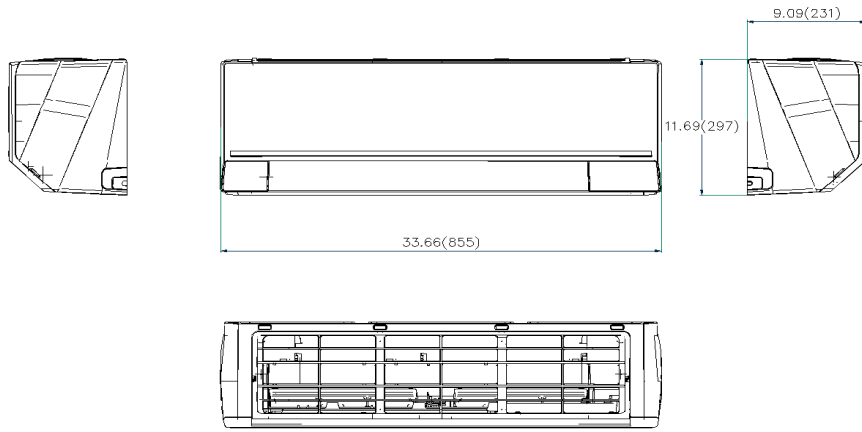
<b>Set Code</b>	
Indoor unit code	
Outdoor unit code	
<b>Set Model</b>	
Indoor unit model	CHF12CA(I)
Outdoor unit model	CZP12CA(O)
<b>Certified</b>	
AHRI	
UL	



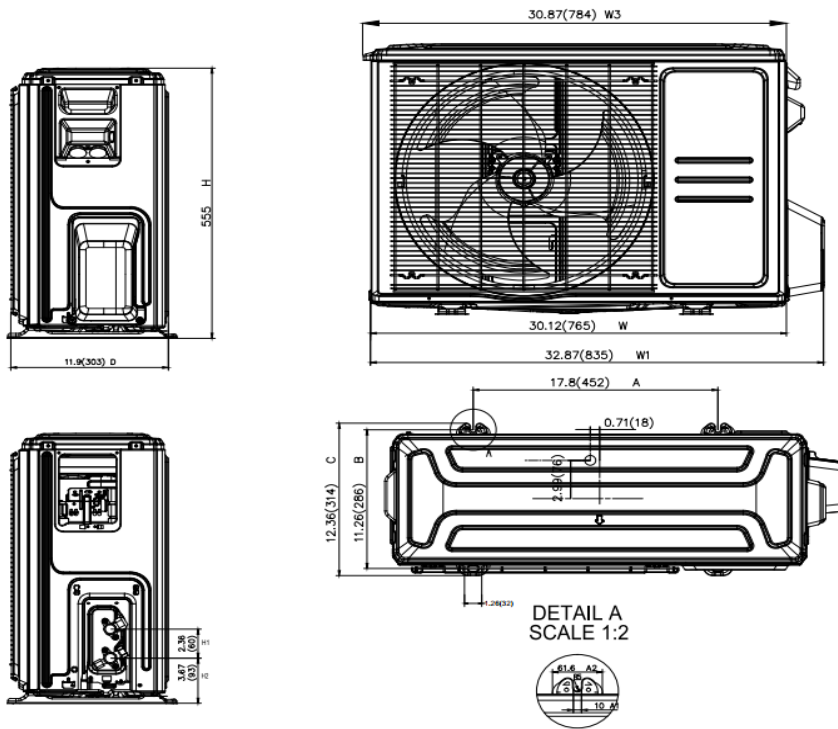
SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Voltage (V, Ph, Hz)		115, 1, 60
Voltage Range (V)		103.5-126.5
<b>Electrical</b>		
Minimum circuit ampacity (A)		19.0
Max.fuse (A)		25.0
Connection wiring		16*4 AWG
<b>Cooling</b>		
Rated Capacity (Btu/h)		12000
Capacity Range (Btu/h)		3500~13200
Power Input (Max) (W)		923
Rated current (A)		8
SEER2 (Btu/W)		23.5
EER2 (Btu/W)		13.0
<b>Heating at 47F</b>		
Rated Capacity (Btu/h)		12000
Capacity Range (Btu/h)		5000~12200
Power Input (Max) (W)		1000
Rated current (A)		8.7
HSPF2-4 (Btu/W)		9.9
HSPF2-5 (Btu/W)		7.4
COP W/W		3.52
<b>Heating at 17F</b>		
Max Capacity (Btu/h)		8500
<b>REFRIGERANT PIPE DATA</b>		
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/39.5
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)	6.35/12.7
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)		-13~122 / -13~75
	(Deg. °C)	-25~50 / -25~24
Application area (sq.ft)		172.22~247.57
	(m2)	16~23

INDOOR UNIT DATA		
<b>Indoor fan motor</b>		
Type		Cross-Flow
Model		
Qty		1
Input (W)		--
RLA (A)		--
LRA (A)		--
Winding Resistance (Ω)		--
Capacitor (uF)		--
Speed(Hi/Mi/Lo) (r/min)		1200/910/720
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct) (CFM)		352.94/294.12/235.29
Indoor noise level (Hi/Med/Lo) [dB(A)]		40.5/35/23.5
<b>Dehumidification</b> (Pint/H)		--
<b>Indoor unit</b>		
Dimension (WxDxH) (inch)		31.30x8.86x11.61
	(mm)	795x225x295
Packing(WxDxH) (inch)		34.25x14.57x12.01
	(mm)	870x370x305
Net/Gross weight (lbs.)		22.93/29.10
	(kg)	10.4/13.2
<b>OUTDOOR UNIT DATA</b>		
<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 +EXV
<b>Outdoor fan motor</b>		
Model		ZKFN-34-10-1
Qty		1
Input (W)		--
RLA (A)		--
Speed (r/min)		850/600
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.) (CFM)		794.12
Outdoor noise level [dB(A)]		54
<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.)		66.80/72.31
	(kg)	30.3/32.8

Indoor unit dimension



Outdoor unit dimension



**General Features**

Intelligent Eye(optional)

Easy Installation

Easy Maintenance

Easy Clean

High Efficiency

Wireless Remote with LCD Display

**Extended Performance Data**