

SUBMITTAL DATA SHEET



<b>TPA-12/CHF12CD(O)</b>	<b>12,000 BTU/H(208/230V) Wall Mounted Heat Pump System</b>
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

**Set Model**  
 Indoor unit model            TPA-12  
 Outdoor unit model        CHF12CD(O)

**Certified**

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SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity	(A)	15.0
Max.fuse	(A)	15.0
Connection wiring		14*4 AWG
<b>Cooling</b>		
Rated Capacity	(Btu/h)	12000
Capacity Range	(Btu/h)	3000~13700
Power Input (Max)	(W)	945
Rated current	(A)	4.32
SEER2	(Btu/W)	22.3
EER2	(Btu/W)	12.7
<b>Heating at 47F</b>		
Rated Capacity	(Btu/h)	12000
Capacity Range	(Btu/h)	2000~15300
Power Input (Max)	(W)	1091
Rated current	(A)	4.99
HSPF2-4	(Btu/W)	10.2
HSPF2-5	(Btu/W)	8.0
COP	W/W	3.22
<b>Heating at 17F</b>		
Max Capacity	(Btu/h)	14000
REFRIGERANT PIPE DATA		
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/41.62
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)	-22~122 / -22~75
	(Deg. °C)	-30~50 / -30~24
Application area	(sq.ft)	172.22~247.57
	(m2)	16~23

INDOOR UNIT DATA		
<b>Indoor fan motor</b>		
Type		Cross-Flow
Model		ZKFP-46-8-1
Qty		1
Input	(W)	45.0
RLA	(A)	--
LRA	(A)	--
Winding Resistance	(Ω)	--
Capacitor	(uF)	--
Speed(Hi/Mi/Lo)	(r/min)	680/580/500
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	379/309/261
Indoor noise level (Hi/Med/Lo)	[dB(A)]	40.5/35.5/31.5
<b>Dehumidification</b>		
	(Pint/H)	--
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	22.44x22.44x10.24
	(mm)	570x570x260
Packing(WxDxH)	(inch)	26.06x26.06x12.48
	(mm)	662x662x317
Net/Gross weight	(lbs.)	35.27/41.01
	(kg)	16/18.6

OUTDOOR UNIT DATA		
<b>Compressor</b>		
Type		KTN110D42UFZ
Model		DUAL ROTARY
Brand		GMCC
Capacity	(Btu/h)	11822.58
Input	(W)	885
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)	850/680/450
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	1323.50
Outdoor noise level	[dB(A)]	56
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	31.69x12.99x21.81
	(mm)	805x330x554
Packing (WxDxH)	(inch)	36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight	(lbs.)	73.63/79.37
	(kg)	33.4/36



**General Features**

Wireless Remote with LCD Display  
Sleep  
Timer  
Self Clean  
46F Heating  
Silent

**Extended Performance Data**