

SUBMITTAL DATA SHEET



TPA-09/CHF09CD(O) 9,000 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 TPA-09
 Outdoor unit model CHF09CD(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)		15.0
Max.fuse (A)		15.0
Connection wiring		14*4 AWG
Cooling		
Rated Capacity (Btu/h)		9000
Capacity Range (Btu/h)		2850~11100
Power Input (Max) (W)		692
Rated current (A)		3.17
SEER2 (Btu/W)		20.5
EER2 (Btu/W)		13.0
Heating at 47F		
Rated Capacity (Btu/h)		9800
Capacity Range (Btu/h)		2270~12500
Power Input (Max) (W)		1000
Rated current (A)		4.58
HSPF2-4 (Btu/W)		10.3
HSPF2-5 (Btu/W)		7.8
COP	W/W	2.93
Heating at 17F		
Max Capacity (Btu/h)		11800

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" / 3/8"
	(mm)	6.35/9.52
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)		-22~122 / -22~75
	(Deg. °C)	-30~50 / -30 ~ 24
Application area (sq.ft)		129.17~193.75
	(m2)	12~18

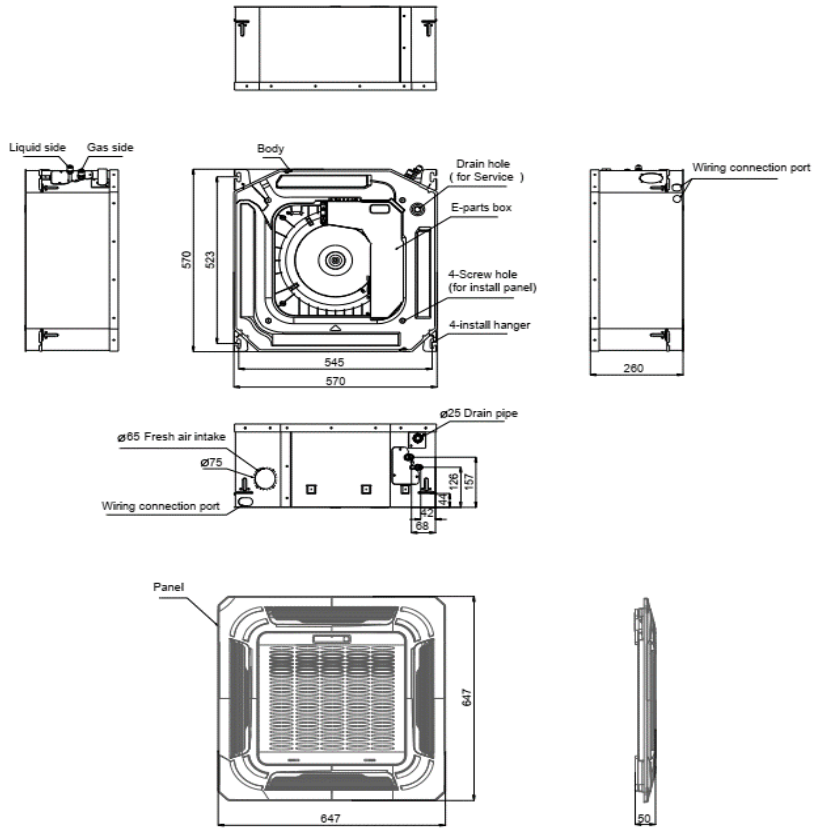
INDOOR UNIT DATA

Indoor fan motor		
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)		600/520/460
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct) (CFM)		352.94/305.88/270.59
Indoor noise level (Hi/Med/Lo) [dB(A)]		39.5/36/32.5
Dehumidification (Pint/H)		--
Indoor unit		
Dimension (WxDxH) (inch)		22.44x22.44x10.24
	(mm)	570x570x260
Packing(WxDxH) (inch)		26.06x26.06x12.48
	(mm)	662x662x317
Net/Gross weight (lbs.)		31.97/38.14
	(kg)	14.5/17.3

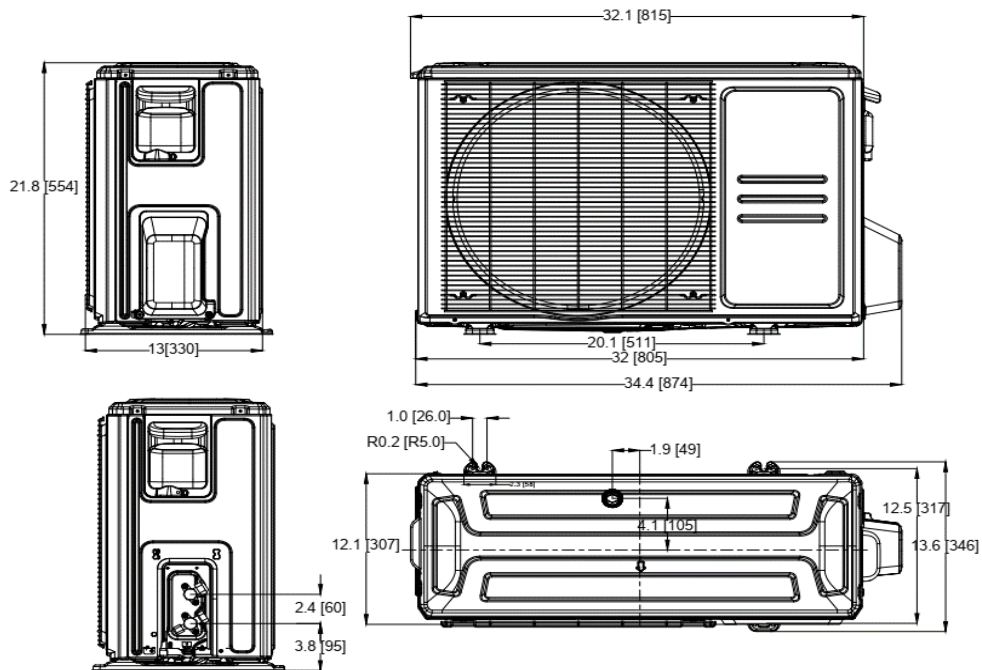
OUTDOOR UNIT DATA

Compressor		
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
Outdoor fan motor		
Model		ZKFN-34-10-1
Qty		1
Input (W)		--
RLA (A)		--
Speed (r/min)		850/680/450
Air flow & Noise level		
Outdoor air flow (Max.) (CFM)		1323.50
Outdoor noise level [dB(A)]		54.5
Outdoor unit		
Dimension (WxDxH) (inch)		31.69x12.99x21.81
	(mm)	805x330x554
Packing (WxDxH) (inch)		36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight (lbs.)		74.07/80.25
	(kg)	33.6/36.4

Indoor unit dimension



Outdoor unit dimension



General Features

Wireless Remote with LCD Display

Sleep

Timer

Self Clean

46F Heating

Silent

Extended Performance Data