



SUBMITTAL DATA SHEET

ComfortStar®

TPA-18/CHF18CD(O)	18,000 BTU/H(208/230V) Wall Mounted Heat Pump System
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

Set Model	
Indoor unit model	TPA-18
Outdoor unit model	CHF18CD(O)
Certified	
AHRI	
UL	

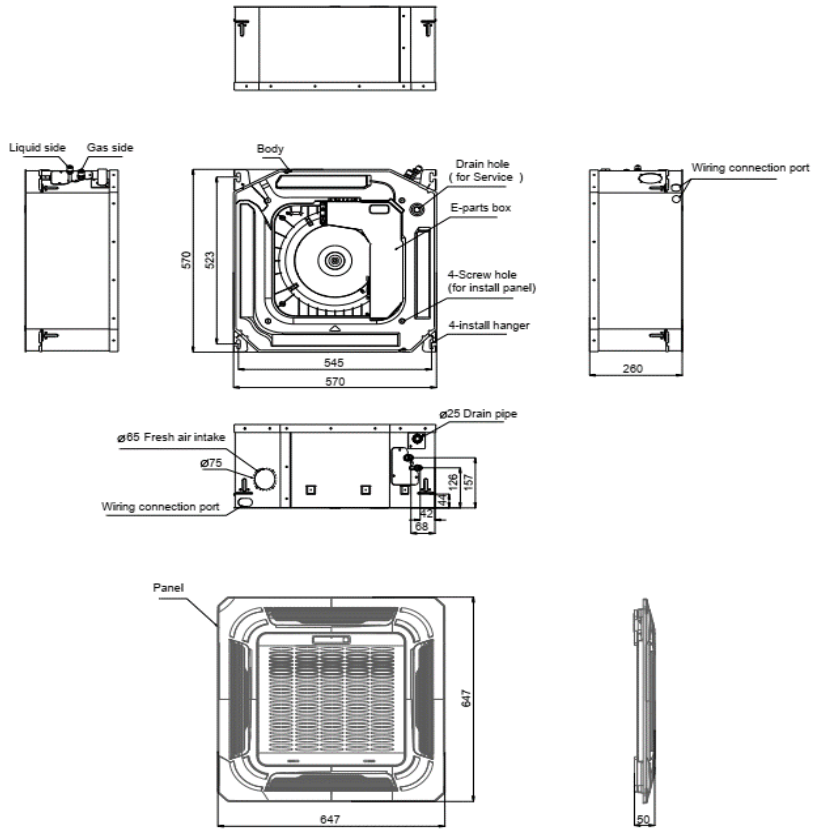


SYSTEM PERFORMANCE DATA		
Power supply		
Normal Operational Voltage (V, Ph, Hz)		208/230, 1, 60
Voltage Range (V)		187-253
Electrical		
Minimum circuit ampacity (A)		16.0
Max.fuse (A)		25.0
Connection wiring		14*4 AWG
Cooling		
Rated Capacity (Btu/h)		16000
Capacity Range (Btu/h)		5600~17000
Power Input (Max) (W)		1280
Rated current (A)		8.0
SEER2 (Btu/W)		20.0
EER2 (Btu/W)		12.5
Heating at 47F		
Rated Capacity (Btu/h)		17000
Capacity Range (Btu/h)		8700~21000
Power Input (Max) (W)		1832
Rated current (A)		11.0
HSPF4 (Btu/W)		9.5
HSPF5 (Btu/W)		7.8
COP		2.88
Heating at 17F		
Max Capacity (Btu/h)		18000
REFRIGERANT PIPE DATA		
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/65.2
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)		98.0
	(m)	30.0
Max. difference in level (ft)		66.0
	(m)	20.0
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)		226.04~333.68
	(m2)	21~31

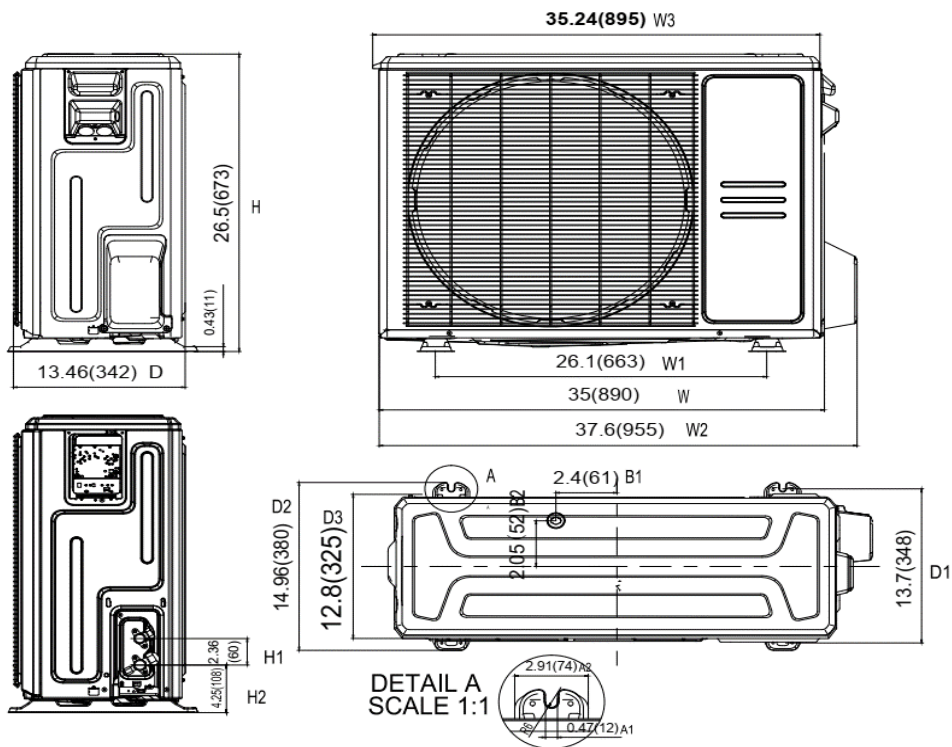
INDOOR UNIT DATA		
Indoor fan motor		
Type		Cross-Flow
Model		ZKFP-46-8-1
Qty		1
Input (W)		45.0
RLA (A)		--
LRA (A)		--
Winding Resistance (Ω)		--
Capacitor (uF)		--
Speed(Hi/Mi/Lo) (r/min)		730/630/570
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct) (CFM)		562.35/485.29/438.82
Indoor noise level (Hi/Med/Lo) [dB(A)]		43.5/38.5/35.5
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.)		35.71/46.96
	(kg)	16.2/21.3

OUTDOOR UNIT DATA		
Compressor		
Type		KTM240D43UKT
Model		DUAL ROTARY
Brand		GMCC
Capacity (Btu/h)		25932.27641
Input (W)		2045
Rated current (RLA) (A)		--
Refrigerant oil/oil charge (ml)		--
Throttle		Capillary +EXV
Outdoor fan motor		
Model		ZKFN-80-8-3
Qty		1
Input (W)		--
RLA (A)		--
Speed (r/min)		810/720
Air flow & Noise level		
Outdoor air flow (Max.) (CFM)		1764.70
Outdoor noise level [dB(A)]		59
Outdoor unit		
Dimension (WxDxH) (inch)		35.04x13.46x26.50
	(mm)	890x342x673
Packing (WxDxH) (inch)		39.17x15.67x29.13
	(mm)	995x398x740
Net/ Gross weight (lbs.)		100.97/108.03
	(kg)	45.8/49

Indoor unit dimension



Outdoor unit dimension



General Features

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

Extended Performance Data