



FPA-18/CHF18CD(O)	18,000 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 FPA-18
 Outdoor unit model CHF18CD(O)

Certified

AHRI 

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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		14AWG*4 Stranded, unshielded
Cooling		
Rated Capacity	(Btu/h)	17000
Capacity Range	(Btu/h)	7800~19900
Power Input (Max)	(W)	1360
Rated current	(A)	8.80
SEER	(Btu/W)	20.2
EER	(Btu/W)	12.5
Heating at 47F		
Rated Capacity	(Btu/h)	18000
Capacity Range	(Btu/h)	8600~21500
Power Input (Max)	(W)	1655
Rated current	(A)	10.90
HSPF4	(Btu/W)	10.6
HSPF5	(Btu/W)	8.6
COP	W/W	3.19
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)

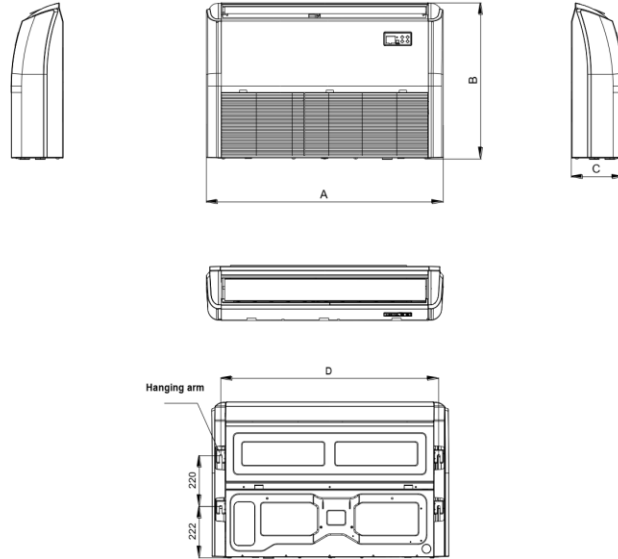
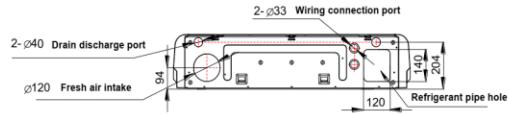
INDOOR UNIT DATA		
Indoor fan motor		
Type		Cross-Flow
Model		ZKFN-90-8-1
Qty		1
Input	(W)	96.0
RLA	(A)	-
LRA	(A)	---
Winding Resistance	(Ω)	---
Capacitor	(uF)	---
Speed(Hi/Mi/Lo)	(r/min)	950/850/750
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo)	(CFM)	548.24/485.29/420.59
Indoor noise level (Hi/Med/Lo)	[dB(A)]	45.5/43/39
Dehumidification	(Pint/H)	---
Indoor unit		
Dimension (WxDxH)	(inch)	42.05x26.57x9.25
	(mm)	1068x675x235
Packing(WxDxH)	(inch)	45.08x29.72x12.52
	(mm)	1145x755x318
Net/Gross weight	(lbs.)	57.10/68.34
	(kg)	25.9/31

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

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)	247.57~355.21
	(m2)	23~33

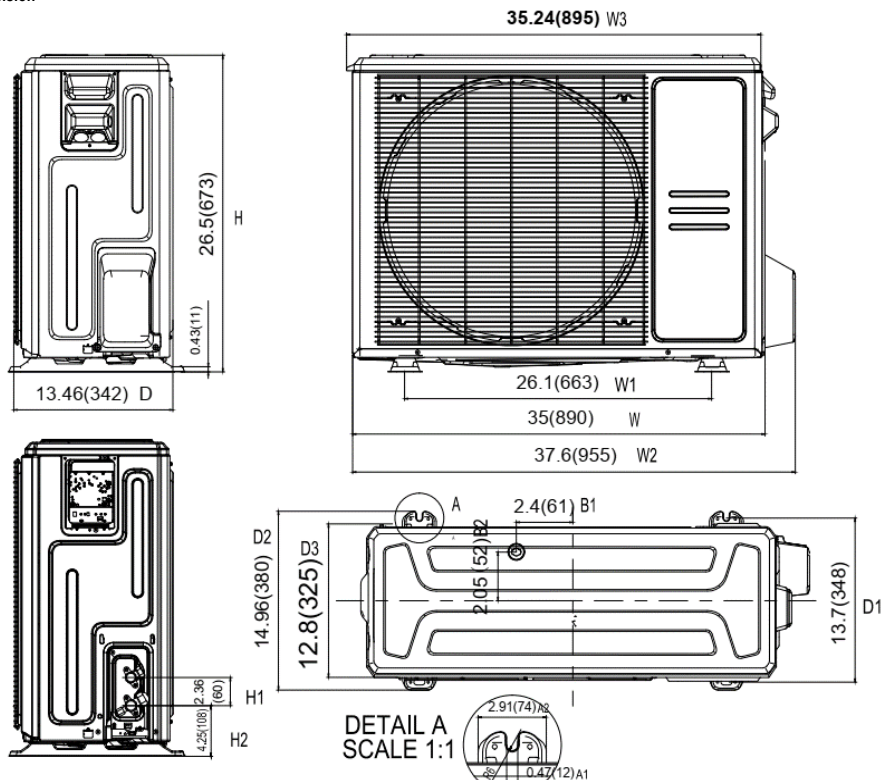
Packing (W×D×H)	(mm)	890x342x673
	(inch)	39.17x15.67x29.13
Net/ Gross weight	(mm)	995x398x740
	(lbs.)	100.97/108.03
	(kg)	45.8/49

Indoor unit dimension



Capacity (Btu/h)	Unit	A	B	C	D
18K / 24K	mm	1068	675	235	983
	inch	42.05	26.57	9.25	38.70
36K	mm	1285	675	235	1200
	inch	50.59	26.57	9.25	47.24
48K/60K	mm	1650	675	235	1565
	inch	64.96	26.57	9.25	61.61

Outdoor unit dimension



DETAIL A
SCALE 1:1



General Features

Wired controller(optional)

Weekly-time wired controller(optional)

Central controller

Long distance Alarm and ON/OFF controller(optional)

Build-in pump(optional)

3D airflow

Extended Performance Data

