



SUBMITTAL DATA SHEET



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	
UL	



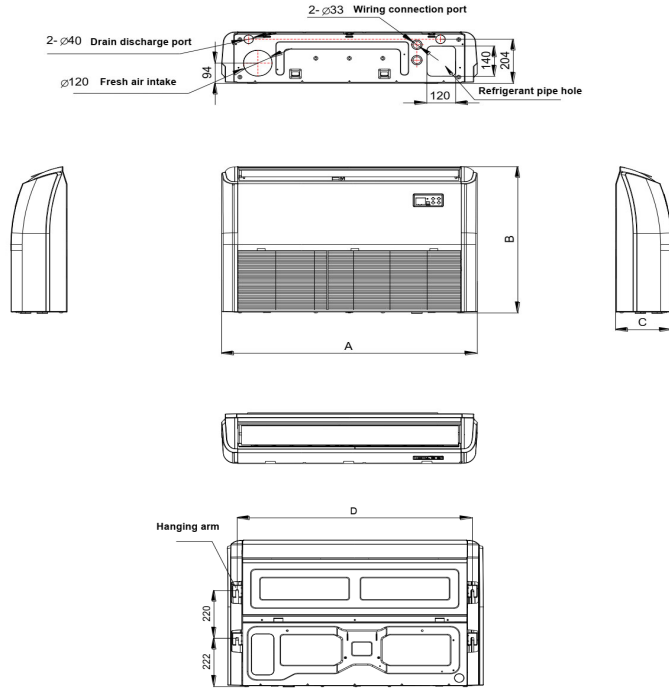
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity	(A)	16.0	
Max.fuse	(A)	25.0	
Connection wiring		14AWG*4 Stranded, unshielded	
Cooling			
Rated Capacity	(Btu/h)	17000	
Capacity Range	(Btu/h)	7800~19900	
Power Input (Max)	(W)	1360	
Rated current	(A)	8.80	
SEER2	(Btu/W)	20.5	
EER2	(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	
HSPF2-4	(Btu/W)	9.8	
HSPF2-5	(Btu/W)	7.5	
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(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	

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	

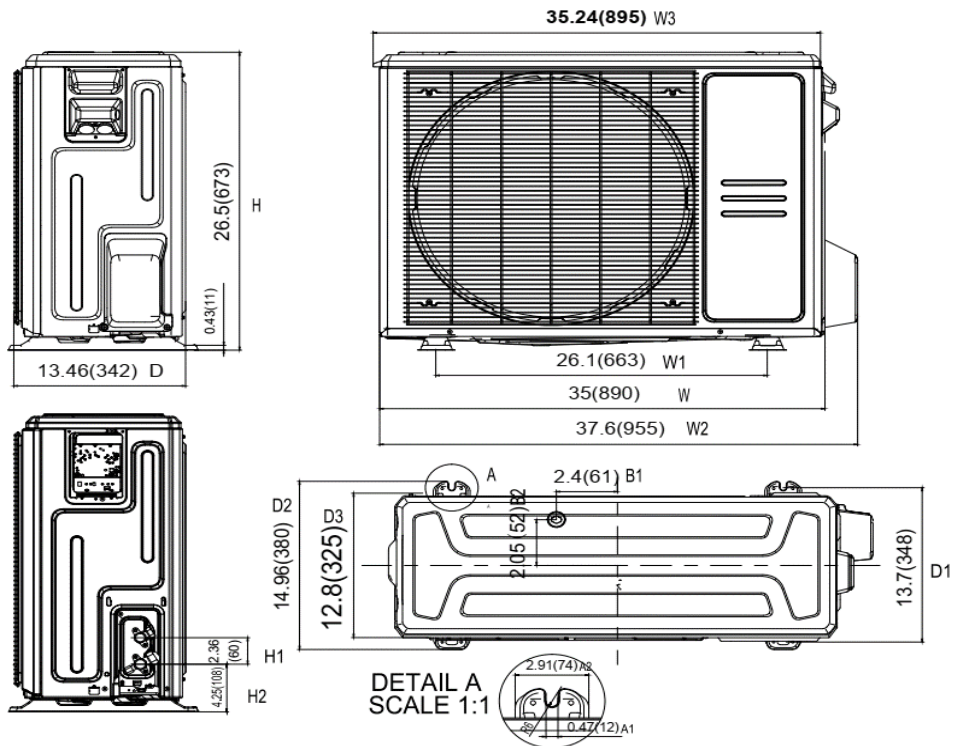
OUTDOOR UNIT DATA			
Compressor			
Type		KTM240D43UKT	
Model		DUAL ROTARY	
Brand		GMCC	
Capacity	(Btu/h)	25932.27641	
Input	(W)	2045	
Rated current (RLA)	(A)	--	
Refrigerant oil/oil charge	(ml)	--	
Throttle		Capillary +EXV	
Outdoor fan motor			
Model		ZKFN-80-8-3	
Qty		1	
Input	(W)	--	
RLA	(A)	--	
Speed	(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	
	(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



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



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