



## SUBMITTAL DATA SHEET

# ComfortStar®

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

<b>Set Model</b>		CPA-18B CHF18CD(O)
<b>Certified</b>	AHRI	
	UL	



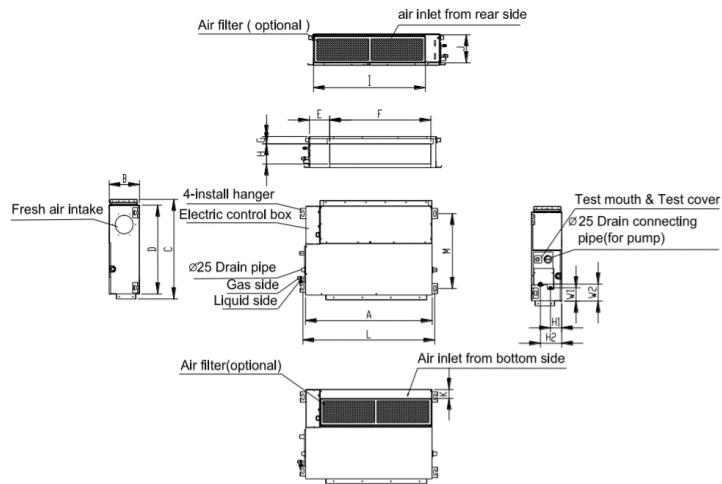
SYSTEM PERFORMANCE DATA			
<b>Power supply</b>			
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60	
Voltage Range	(V)	187-253	
<b>Electrical</b>			
Minimum circuit ampacity	(A)	16.0	
Max.fuse	(A)	25.0	
Connection wiring		14AWG*4 Stranded, unshielded	
<b>Cooling</b>			
Rated Capacity	(Btu/h)	17000	
Capacity Range	(Btu/h)	6500~18800	
Power Input (Max)	(W)	1320	
Rated current	(A)	8.50	
SEER2	(Btu/W)	18.0	
EER2	(Btu/W)	11.7	
<b>Heating at 47F</b>			
Rated Capacity	(Btu/h)	19000	
Capacity Range	(Btu/h)	8900~22000	
Power Input (Max)	(W)	1900	
Rated current	(A)	11.50	
HSPF2-4	(Btu/W)	9.5	
HSPF2-5	(Btu/W)	7.5	
COP	W/W	2.93	
<b>Heating at 17F</b>			
Max Capacity	(Btu/h)	19000	

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)	63~90 / 32~86	
	(Deg. °C)	17~32 / 0~30	
Outdoor(cooling/heating)	(Deg. °F)	-22~122 / -22~75	
	(Deg. °C)	-30~50 / -30~24	
Application area	(sq.ft)	236.81~344.44	
	(m2)	22~32	

INDOOR UNIT DATA			
<b>Indoor fan motor</b>			
Type			Cross-Flow
Model			ZKFN-160-8-1-2
Qty			1
Input	(W)	90.0	
RLA	(A)	--	
LRA	(A)	--	
Winding Resistance	(Ω)	--	
Capacitor	(uF)	--	
Speed(Hi/Mi/Lo)	(r/min)	850/700/450	
<b>Air flow &amp; Noise level</b>			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	529.41/450.00/370.59	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	40/37.5/35	
<b>Dehumidification</b>			
	(Pint/H)	--	
<b>Indoor unit</b>			
Dimension (WxDxH)	(inch)	34.65x28.53x8.27	
	(mm)	880x674x210	
Packing(WxDxH)	(inch)	42.13x28.53x11.02	
	(mm)	1070x725x280	
Net/Gross weight	(lbs.)	55.34/67.02	
	(kg)	25.1/30.4	

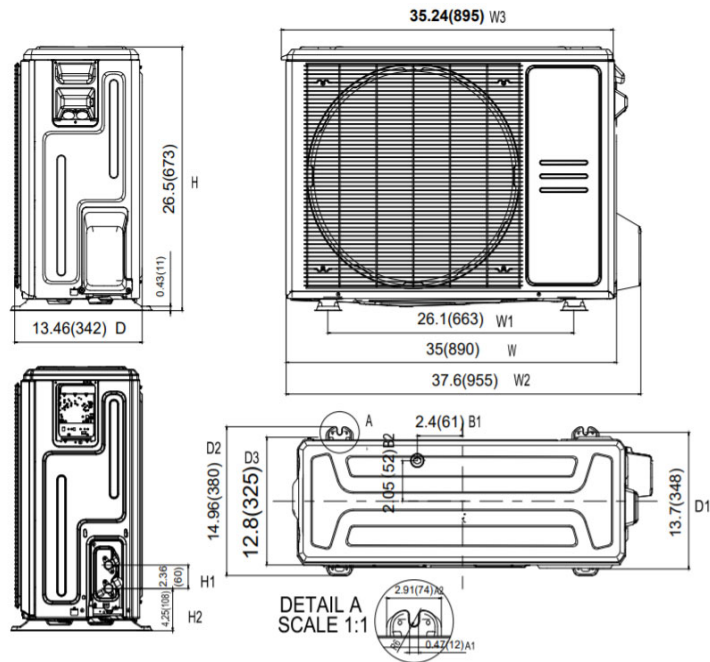
OUTDOOR UNIT DATA			
<b>Compressor</b>			
Type			KTM240D43UKT
Model			DUAL ROTARY
Brand			GMCC
Capacity	(Btu/h)	25932.27641	
Input	(W)	2045	
Rated current (RLA)	(A)	--	
Refrigerant oil/oil charge	(ml)	--	
Throttle			Capillary +EXV
<b>Outdoor fan motor</b>			
Model			ZKFN-80-8-3
Qty			1
Input	(W)	--	
RLA	(A)	--	
Speed	(r/min)	810/720	
<b>Air flow &amp; Noise level</b>			
Outdoor air flow (Max.)	(CFM)	1764.70	
Outdoor noise level	[dB(A)]	59	
<b>Outdoor unit</b>			
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



Model (KBTu/h)	unit	A	B	C	D	E	F	G	H	I	J	K	L	M	H1	H2	W1	W2
9/12	mm	700	200	506	450	137	537	30	152	599	186	50	741	350	84	140	84	84
	inch	27.6	7.9	19.9	17.7	5.4	21.1	1.2	6.0	23.6	7.3	2.0	29.2	14.2	3.3	5.5	3.3	3.3
18	mm	880	210	674	600	140	706	50	136	782	190	40	920	508	78	148	88	112
	inch	34.6	8.3	26.5	23.6	5.5	27.8	2.0	5.4	30.8	7.5	1.6	36.2	20.0	3.1	5.8	3.5	4.4
24	mm	1100	249	774	700	140	926	50	175	1001	228	5	1140	598	80	150	130	155
	inch	43.3	9.8	30.5	27.6	5.5	36.5	2.0	6.9	39.4	9.0	0.2	44.9	23.5	3.1	5.9	5.1	6.1
36	mm	1360	249	774	700	140	1186	50	175	1261	228	5	1400	598	80	150	130	155
	inch	53.5	9.8	30.5	27.6	5.5	46.7	2.0	6.9	49.6	9.0	0.2	55.1	23.5	3.1	5.9	5.1	6.1
48	mm	1200	300	874	800	123	1044	50	227	1101	280	5	1240	697	80	150	185	210
	inch	47.2	11.8	34.4	31.5	4.8	41.1	2.0	8.9	43.3	11.0	0.2	48.8	27.4	3.1	5.9	7.3	8.3

### Outdoor unit dimension



**General Features**

Wired controller  
Weekly-time wired controller(optional)  
Central controller  
Long distance Alarm and ON/OFF controller  
Build-in pump

**Extended Performance Data**