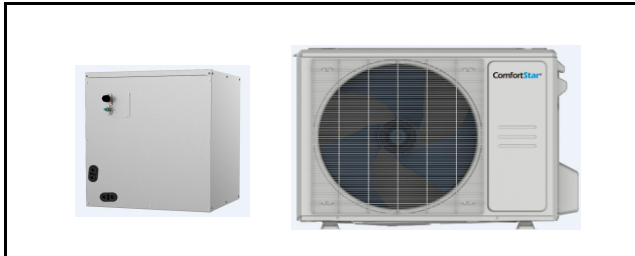


SUBMITTAL DATA SHEET

ComfortStar®

A-Coil (18000Btu/h)	
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

Set Model					
Indoor unit model	ACP-24B				
Outdoor unit model	CPH18CD(O)				
Certified	AHRI				
	UL				



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity	(A)	16.0
Max.fuse	(A)	20.0
Connection wiring		18AWG
Cooling		
Rated Capacity	(Btu/h)	18000
Capacity Range	(Btu/h)	9600~22000
Power Input (Max)	(W)	1538(450~2100)
Rated current	(A)	7.0(2.2~8.22)
SEER2	(Btu/W)	16.5
EER2	(Btu/W)	11.7
Heating at 47F		
Rated Capacity	(Btu/h)	19000
Capacity Range	(Btu/h)	6000~23600
Power Input (Max)	(W)	1610(470~2200)
Rated current	(A)	8.5(2.4~9.6)
HSPF2-4	(Btu/W)	9.5
HSPF2-5	(Btu/W)	7.8
COP	W/W	3.46
Heating at 5F		
Capacity	(Btu/h)	15000
COP	W/W	2.20

REFRIGERANT PIPE DATA

Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/81.1
Refrigerant precharge	(ft)	25.0
	(m)	7.6
Additional charge for each ft	(oz/ft)	0.69
	(g/m)	65.0
Liquid side/ Gas side	(inch)	3/8" / 3/4"
	(mm)	Φ9.52 / Φ19
Max. pipe length	(ft)	98.4
	(m)	30.0
Max. difference in level	(ft)	65.6
	(m)	20.0
Connection method	Indoor	Braze
	Outdoor	Flared to braze
Indoor(cooling)	(Deg. °F / °C)	62~90 / 17~32
Indoor(heating)	(Deg. °F / °C)	32~86 / 0~30
Outdoor(cooling)	(Deg. °F / °C)	5~122 / -15~50
Outdoor(heating)	(Deg. °F / °C)	-22~75 / -30~24

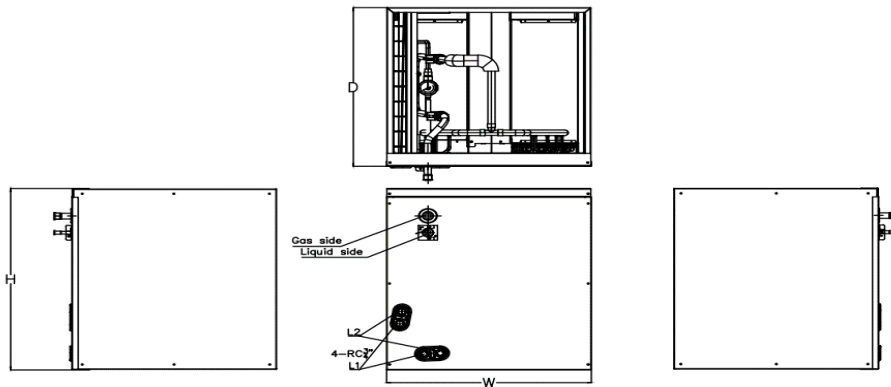
INDOOR UNIT DATA

Throttle		TXV for Cooling
Indoor fan motor		
Type		---
Model		---
Qty		---
Input	(W)	---
RLA	(A)	---
LRA	(A)	---
Winding Resistance	(Ω)	---
Capacitor	(uF)	---
Speed(Hi/Mi/Lo)	(r/min)	---
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo)	(CFM)	---
Indoor noise level (Hi/Med/Lo)	[dB(A)]	---
Dehumidification	(Pint/H)	---
Indoor unit		
Dimension (WxDxH)	(inch)	17.52x20.98x17.99
	(mm)	445x533x457
Packing(WxDxH)	(inch)	19.88x25.59x19.29
	(mm)	505x650x490
Net/Gross weight	(lbs.)	42.77/52.03
	(kg)	19.4/23.6

OUTDOOR UNIT DATA

Compressor		
Type		KTM240D57UMT
Model		Twin-ROTARY
Brand		GMCC
Capacity	(Btu/h)	26408.9
Input	(W)	2085
Rated current (RLA)	(A)	-
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 670
Throttle		EEV for heating
Outdoor fan motor		
Model		ZKFN-80-8-3
Qty		1
Input	(W)	--
RLA	(A)	1.00
Speed	(r/min)	800/700/580
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	1279.4
Outdoor noise level	[dB(A)]	59.0
Outdoor unit		
Dimension (WxDxH)	(inch)	35.04x13.46x26.50
	(mm)	890x342x673
Packing (WxDxH)	(inch)	39.17x15.67x29.13
	(mm)	995x398x740
Net/ Gross weight	(lbs.)	102.95/109.79
	(kg)	46.7/49.8

Indoor unit dimension



Model	Unit	Dimensions (mm)			Drain hole	
		W	D	H	L1	L2
12K-24K	mm	445	533	457	Main drain hole	Overflow drain hole
	inch	17 1/2	21	18		
30K-48K	mm	533	533	609		
	inch	21	21	24		
60K	mm	622	533	711		
	inch	24	21	28		

Outdoor unit dimension

