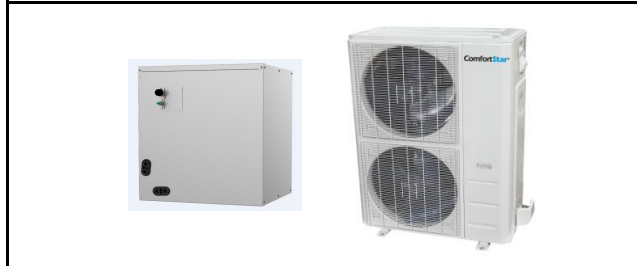


# SUBMITTAL DATA SHEET

## ComfortStar®

<b>A-Coil (60000Btu/h)</b>	
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

<b>Set Model</b>	Indoor unit model      ACP-60D	Outdoor unit model      CPR60CD(O)
<b>Certified</b>	AHRI	UL



### SYSTEM PERFORMANCE DATA

<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity	(A)	34
Max.fuse	(A)	60
Connection wiring	18AWG	
<b>Cooling</b>		
Rated Capacity	(Btu/h)	53000
Capacity Range	(Btu/h)	13000~55000
Power Input (Max)	(W)	5874(550~6260)
Rated current	(A)	23.8(2.2~25.3)
SEER2	(Btu/W)	15.2
EER2	(Btu/W)	9

### Heating (Standard conditions)

Rated Capacity	(Btu/h)	54000
Capacity Range	(Btu/h)	15000~63000
Power Input (Max)	(W)	5050(790~5900)
Rated current	(A)	20(4.13~25)
HSPF2-4	(Btu/W)	8.5
HSPF2-5	(Btu/W)	6.6
COP	W/W	3.13

### Heating at 5F

Capacity	(Btu/h)	32000
COP	W/W	1.9

### REFRIGERANT PIPE DATA

Design pressure	(PSIG)	550/340
Refrigerant Type	R410A	
Refrigerant charge	(kg)	4.9
	(oz)	172.8
Additional charge for each ft	(oz/ft)	0.69
	(g/m)	65
Liquid side/ Gas side	(inch)	3/8" / 7/8"
	(mm)	9.52mm/22mm
Max. pipe length	(ft)	213.0
	(m)	65
Max. difference in level	(ft)	98.0
	(m)	30
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)	5~75 / -15 - 24

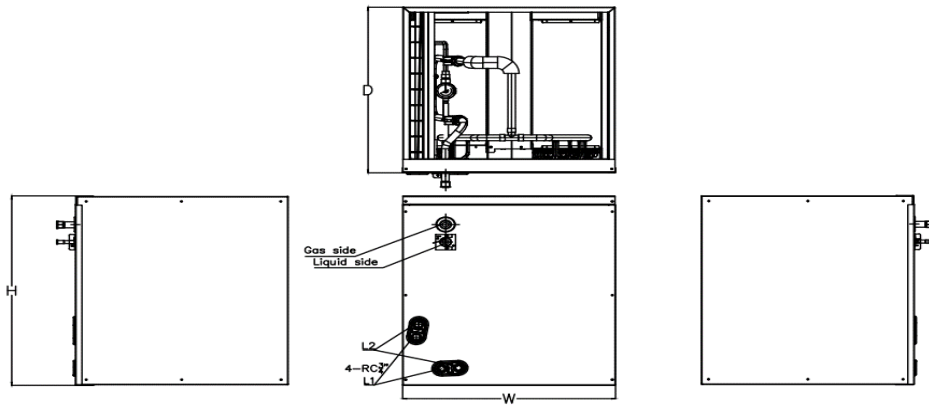
### INDOOR UNIT DATA

<b>Throttle</b>	TXV for Cooling	
<b>Indoor fan motor</b>		
Type	---	
Model	---	
Qty	---	
Input	(W)	---
RLA	(A)	---
LRA	(A)	---
Winding Resistance	(Ω)	---
Capacitor	(uF)	---
Speed(Hi/Mi/Lo)	(r/min)	---
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo)	(CFM)	---
Indoor noise level (Hi/Med/Lo)	[dB(A)]	---
<b>Dehumidification</b>		
Indoor unit	(Pint/H)	---
Dimension (WxDxH)	(inch)	24.49x20.98x27.99
	(mm)	622x533x711
Packing(WxDxH)	(inch)	27.17x25.59x29.33
	(mm)	690x650x745
Net/Gross weight	(lbs.)	86.64/98.33
	(kg)	39.3/44.6

### OUTDOOR UNIT DATA

<b>Compressor</b>		
Type	KTQ420D1UMU	
Model	ROTARY	
Brand	GMCC	
Capacity	(Btu/h)	13700
Input	(W)	3700
Rated current (RLA)	(A)	24.6
Refrigerant oil/oil charge	(ml)	VG74/1400
<b>Throttle</b>	EEV for heating	
<b>Outdoor fan motor</b>		
Model	ZKFN-85-8-22-5	
Qty	2	
Input	(W)	126
RLA	(A)	2.4
Speed	(r/min)	900/850/650
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	4500.0
Outdoor noise level	[dB(A)]	65
<b>Outdoor unit</b>		
Dimension (W×D×H)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (W×D×H)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	217.15/248.46
	(kg)	98.5/112.7

Indoor unit dimension



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

Outdoor unit dimension

