

ComfortStar® SUBMITTAL DATA SHEET

48000Btu/h	A-Coil
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

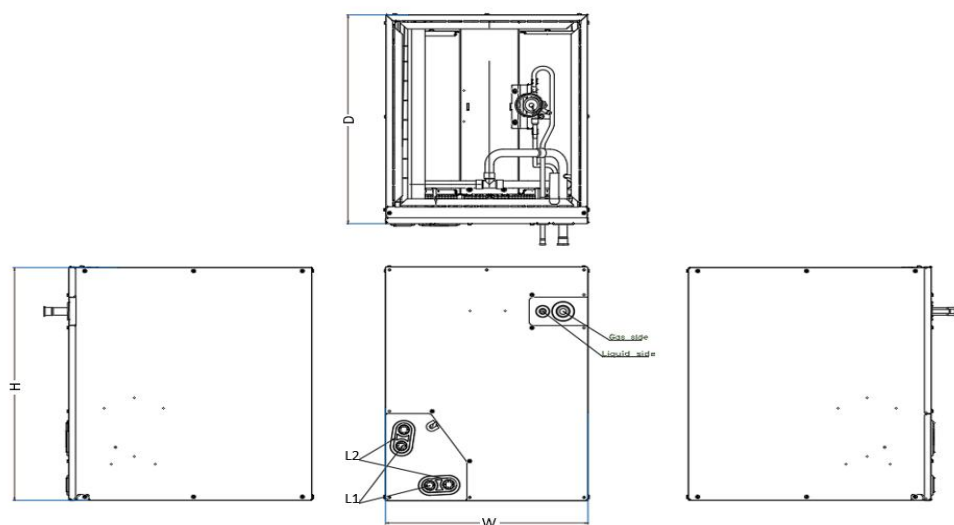
Set Model	
Indoor unit model	AC32-48C-15
Outdoor unit model	BAH32-48-15(30A)
Certified AHRI ETL  	



SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Volt	(V, Ph, Hz)	220-230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacil	(A)	37.0	
Max.fuse	(A)	40.0	
Cooling			
Rated Capacity	(Btu/h)	48000	
Capacity Range	(Btu/h)	15000~49000	
Power Input	(W)	5333	
Rated current	(A)	24.15	
SEER2	(Btu/W)	14.3	
EER	(Btu/W)	9.0	
Heating at 47F			
Rated Capacity	(Btu/h)	48000	
Capacity Range	(Btu/h)	11000~52000	
Power Input	(W)	4320	
Rated current	(A)	14.20	
HSPF4	(Btu/W)	8.5	
HSPF5	(Btu/W)	7.1	
COP	W/W	3.4	
Heating at 5F			
Capacity	(Btu/h)	35000	
COP	W/W	1.8	
REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	609/174	
Refrigerant Type		R32	
Refrigerant charge	(oz)	119.9	
Additional charge	(oz/ft)	0.5	
	(g/m)	48.0	
Liquid side/ Gas side	(inch)	3/8" / 3/4"	
	(mm)	Φ9.52 / Φ19	
Max. pipe length	(ft)	246.0	
	(m)	75.0	
Max. difference in level	(ft)	98.4	
	(m)	30.0	
Connection method	Indoor	Braze	
	Outdoor	Flared to braze	
Indoor(cooling)	(Deg. °F / °C)	60~90 / 16~32	
Indoor(heating)	(Deg. °F / °C)	60~90 / 16~32	
Outdoor(cooling)	(Deg. °F / °C)	5~131 / -15~55	
Outdoor(heating)	(Deg. °F / °C)	-4~75 / -20~24	

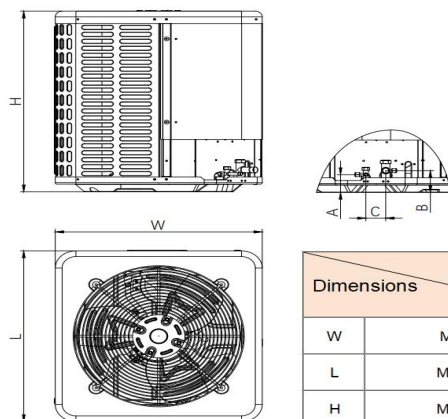
INDOOR UNIT DATA			
Throttle			TXV for Cooling
Indoor fan motor			
Type			---
Model			---
Qty			---
Input	(W)		---
RLA	(A)		---
LRA	(A)		---
Capacitor	(uF)		---
Speed(Hi/Mi/Lo)	(r/min)		---
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo)	(CFM)		---
Indoor noise level (Hi/Med/Lo)	[dB(A)]		---
Dehumidification			
	(Pint/H)		---
Indoor unit			
Dimension (WxDxH)	(inch)	21-1/32*21-1/32*27-51/64	
	(mm)	534*534*706	
Packing(WxDxH)	(inch)	24-1/64*26-49/64*29-59/64	
	(mm)	610*680*760	
Net/Gross weight	(lbs.)	81/92	
	(kg)	36.8/41.9	
OUTDOOR UNIT DATA			
Compressor			
Type			KTM310D85UMT
Model			Twin-ROTARY
Brand			GMCC
Capacity	(Btu/h)	34294.7	
Input	(W)	2680	
Rated current (RLA)	(A)	5.25	
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 870	
Throttle			Capillary for heating
Outdoor fan motor			
Model			DQ-DRN-310-200-8-B(A)
Qty			1
Input	(W)	200.00	
RLA	(A)	0.92	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	3050	
Outdoor noise level	[dB(A)]	60.0	
Outdoor unit			
Dimension (W×D×H)	(inch)	29-9/64×29-9/64×32-7/8	
	(mm)	740×740×835	
Packing (W×D×H)	(inch)	30-5/16×30-5/16×34-1/16	
	(mm)	770×770×865	
Net/ Gross weight	(lbs.)	170/181	
	(kg)	77/82	

Indoor unit dimension



Model	Dimension(inch)			Drain hole	
	W	D	H	L1	L2
AC32-18B-15 AC32-24B-15	17-33/64	21-1/32	17-63/64	Main drain hole	Overflow drain hole
AC32-30B-15 AC32-36B-15	17-33/64	21-1/32	23-37/64		
AC32-30C-15 AC32-36C-15	21-1/32	21-1/32	23-37/64		
AC32-48C-15 AC32-60C-15	21-1/32	21-1/32	27-51/64		
AC32-48D-15 AC32-60D-15	24-31/64	21-1/32	27-51/64		

Outdoor unit dimension



Dimensions \ Model		18K/24K		30K/36K		48K/60K	
		inch	mm	inch	mm	inch	mm
W	Model width	23-5/8	600	29-9/64	740	29-9/64	740
L	Model length	23-5/8	600	29-9/64	740	29-9/64	740
H	Model height	25	635	25	635	32-7/8	835
A	Liquid side valve height	2-31/64	63	2-31/64	63	2-31/64	63
B	Distance between two valves	3-1/32	77	3-1/32	77	3-1/32	77
C	Gas side valve height	2-9/32	58	2-9/32	58	2-9/32	58