

ComfortStar® SUBMITTAL DATA SHEET

30000Btu/h	A-Coil
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

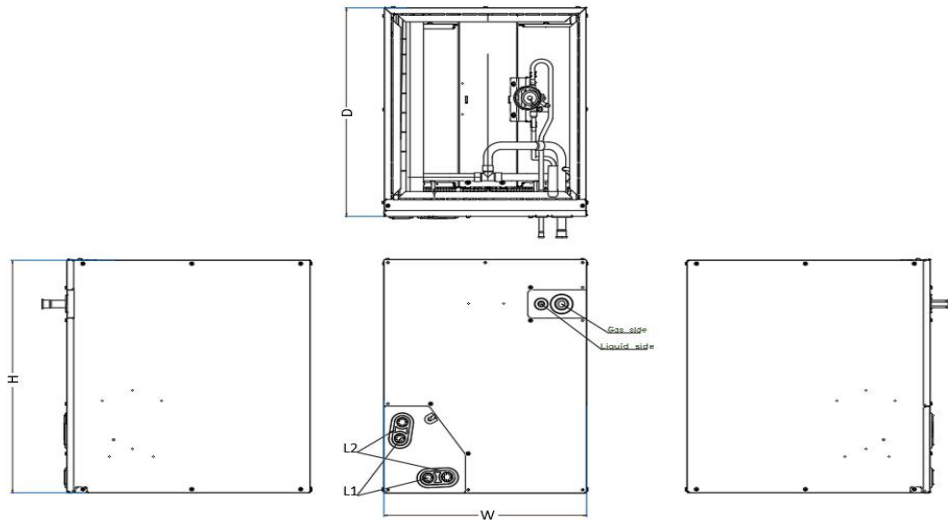
Set Model	
Indoor unit model	AC32-30B-15
Outdoor unit model	BAH32-30-15(308)
Certified AHRI ETL	 



SYSTEM PERFORMANCE DATA		
Power supply		
Normal Operational Volt	(V, Ph, Hz)	220-230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity	(A)	22.5
Max.fuse	(A)	25.0
Cooling		
Rated Capacity	(Btu/h)	30000
Capacity Range	(Btu/h)	9800~32000
Power Input	(W)	2857
Rated current	(A)	12.94
SEER2	(Btu/W)	14.3
EER	(Btu/W)	10.5
Heating at 47F		
Rated Capacity	(Btu/h)	31000
Capacity Range	(Btu/h)	11500~34000
Power Input	(W)	2700
Rated current	(A)	12.00
HSPF4	(Btu/W)	8.5
HSPF5	(Btu/W)	7.2
COP	W/W	3.5
Heating at 5F		
Capacity	(Btu/h)	23000
COP	W/W	1.9
REFRIGERANT PIPE DATA		
Design pressure	(PSIG)	609/174
Refrigerant Type		R32
Refrigerant charge	(oz)	102.3
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)	164.0
	(m)	50.0
Max. difference in level	(ft)	82.0
	(m)	25.0
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

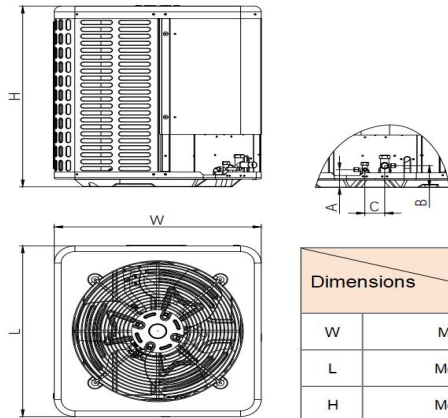
INDOOR UNIT DATA		
Throttle		TXV for Cooling
Indoor fan motor		
Type		---
Model		---
Qty		---
Input	(W)	---
RLA	(A)	---
LRA	(A)	---
Capacitor	(uF)	---
Speed(Hi/Mi/Lo)	(r/min)	---
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo)	(CFM)	---
Indoor noise level (Hi/Med/Lo)	[dB(A)]	---
Dehumidification		
	(Pint/H)	---
Indoor unit		
Dimension (WxDxH)	(inch)	17-33/64*21-1/32*23-37/64
	(mm)	445*534*599
Packing(WxDxH)	(inch)	20-15/32*26-49/64*25-63/64
	(mm)	520*680*660
Net/Gross weight	(lbs.)	59.5/68
	(kg)	27/30.9
OUTDOOR UNIT DATA		
Compressor		
Type		KTM240D57UMT
Model		Twin-ROTARY
Brand		GMCC
Capacity	(Btu/h)	27095.1
Input	(W)	2085
Rated current (RLA)	(A)	9.45
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 670
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)	2800
Outdoor noise level	[dB(A)]	59.0
Outdoor unit		
Dimension (W×D×H)	(inch)	29-9/64×29-9/64×25
	(mm)	740×740×635
Packing (W×D×H)	(inch)	30-5/16×30-5/16×26-3/16
	(mm)	660×660×665
Net/ Gross weight	(lbs.)	140/148
	(kg)	63.5/67

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