

# ComfortStar® SUBMITTAL DATA SHEET

24000Btu/h	A-Coil
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

**Set Model**  
 Indoor unit model AC32-1824B-15  
 Outdoor unit model BAR17-24-15

**Certified**

AHRI



ETL

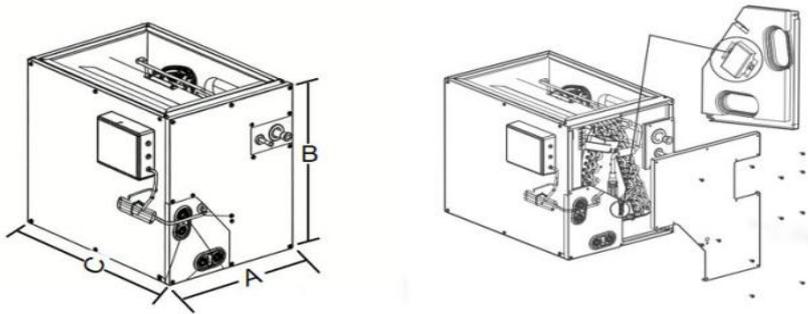




SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Volt	(V, Ph, Hz)	220-230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity	(A)	13.0
Max.fuse	(A)	20.0
<b>Cooling</b>		
Rated Capacity	(Btu/h)	24000
Capacity Range	(Btu/h)	/
Power Input	(W)	2050
Rated current	(A)	9.30
EER	(Btu/W)	11.7
SEER2	(Btu/W)	14.3
<b>Heating at 47F</b>		
Rated Capacity	(Btu/h)	/
Capacity Range	(Btu/h)	/
Power Input	(W)	/
Rated current	(A)	/
HSPF4	(Btu/W)	/
HSPF5	(Btu/W)	/
COP	W/W	/
<b>Heating at 5F</b>		
Capacity	(Btu/h)	/
COP	W/W	/
<b>REFRIGERANT PIPE DATA</b>		
Design pressure	(PSIG)	609/174
Refrigerant Type		R32
Refrigerant charge	(oz)	52.9
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)	65.6
	(m)	131.0
Max. difference in level	(ft)	65.6
	(m)	20.0
Connection method	Indoor	Braze
	Outdoor	Flared to braze
Indoor(cooling)	(Deg. °F / °C)	60~90 / 16~32
Indoor( heating)	(Deg. °F / °C)	
Outdoor(cooling)	(Deg. °F / °C)	5~131 / -15~55
Outdoor(heating)	(Deg. °F / °C)	

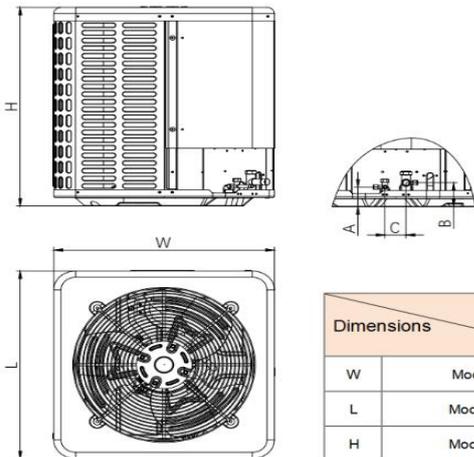
INDOOR UNIT DATA		
<b>Throttle</b>		TXV for Cooling
<b>Indoor fan motor</b>		
Type		---
Model		---
Qty		---
Input	(W)	---
RLA	(A)	---
LRA	(A)	---
Capacitor	(uF)	---
Speed(Hi/Mi/Lo)	(r/min)	---
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo)	(CFM)	---
Indoor noise level (Hi/Med/Lo)	[dB(A)]	---
<b>Dehumidification</b>		
	(Pint/H)	---
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	17-33/64*21-1/32*17-63/64
	(mm)	445*534*457
Packing(WxDxH)	(inch)	21-17/64*27-23/64*20-9/32
	(mm)	540*695*515
Net/Gross weight	(lbs.)	42/50
	(kg)	19/22.5
<b>OUTDOOR UNIT DATA</b>		
<b>Compressor</b>		
Type		KSF200N1VKTB3
Model		ROTARY
Brand		GMCC
Capacity	(Btu/h)	7590
Input	(W)	1710
Rated current (RLA)	(A)	8.35
Refrigerant oil/oil charge	(ml)	VG74/640
<b>Throttle</b>		
<b>Outdoor fan motor</b>		
Model		DQ-DRN-310-200-8-B(A)
Qty		1
Input	(W)	200.00
RLA	(A)	0.92
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	2000
Outdoor noise level	[dB(A)]	58.0
<b>Outdoor unit</b>		
<b>Dimension (W×D×H)</b>	(inch)	23-5/8×23-5/8×25
	(mm)	600×600×635
Packing (W×D×H)	(inch)	25-63/64×25-63/64×26-3/16
	(mm)	660×660×665
Net/ Gross weight	(lbs.)	119/126
	(kg)	54/57

**Indoor unit dimension**



Dimensions		Model	AC32-1824B-15		AC32-3036B-15		AC32-3036C-15	
			inch	mm	inch	mm	inch	mm
A	Model Width		17-63/64	457	23-37/64	599	23-37/64	599
B	Model Height		17-33/64	445	17-33/64	445	21-1/32	534
C	Model Deep		21-1/32	534	21-1/32	534	21-1/32	534
Dimensions		Model	AC32-4860C-15		AC32-4860D-15			
			inch	mm	inch	mm		
A	Model Width		27-51/64	706	24-16/32	706		
B	Model Height		21-1/32	534	27-13/16	622		
C	Model Deep		21-1/32	534	21-1/32	534		

**Outdoor unit dimension**



Dimensions		Model	18K/24K		30K/36K		42K/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