

# ComfortStar® SUBMITTAL DATA SHEET

36000Btu/h	A-Coil
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

**Set Model**  
 Indoor unit model AC32-3036B-15  
 Outdoor unit model BAR17-36-15

**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)		24.0
Max.fuse (A)		30.0
<b>Cooling</b>		
Rated Capacity (Btu/h)		35000
Capacity Range (Btu/h)		/
Power Input (W)		3000
Rated current (A)		13.80
SEER2 (Btu/W)		11.7
EER (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		/
<b>Heating at 5F</b>		
Capacity (Btu/h)		/
COP		/

### REFRIGERANT PIPE DATA

Design pressure (PSIG)		609/174
Refrigerant Type		R32
Refrigerant charge (oz)		79.4
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)		97.6
	(m)	131.0
Max. difference in level (ft)		97.6
	(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)		
Outdoor(cooling) (Deg. °F / °C)		5~131 / -15~55
Outdoor(heating) (Deg. °F / °C)		

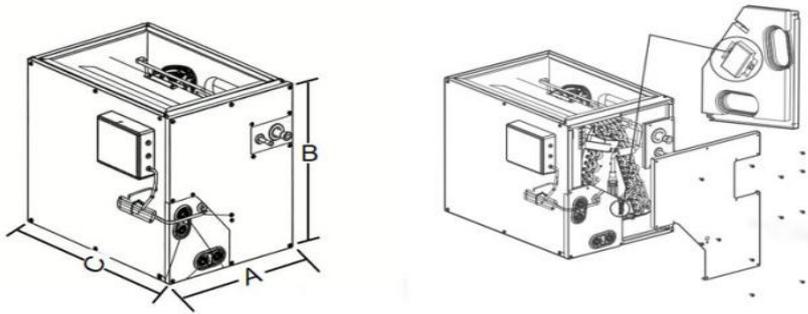
### INDOOR UNIT DATA

<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*23-37/64
	(mm)	445*534*599
Packing(WxDxH) (inch)		21-17/64* 27-23/64*25-63/64
	(mm)	540*695*660
Net/Gross weight (lbs.)		59.5/68
	(kg)	27/30.9

### OUTDOOR UNIT DATA

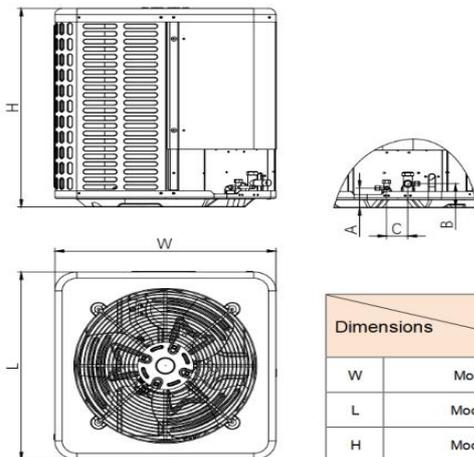
<b>Compressor</b>		
Type		KSG280N1VMT
Model		ROTARY
Brand		GMCC
Capacity (Btu/h)		10530
Input (W)		2415
Rated current (RLA) (A)		11.75
Refrigerant oil/oil charge (ml)		ESTER OIL VG74 850
<b>Throttle</b>		/
<b>Outdoor fan motor</b>		
Model		DQ-DRN-310-200-8-B(A)
Qty		1
Input (W)		200.00
RLA (A)		0.92
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.) (CFM)		2650
Outdoor noise level [dB(A)]		59.0
Outdoor unit		
<b>Dimension (W×D×H)</b> (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)	770×770×665
Net/ Gross weight (lbs.)		145/154
	(kg)	65.9/70

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