

ComfortStar® SUBMITTAL DATA SHEET

18000Btu/h	A-Coil
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

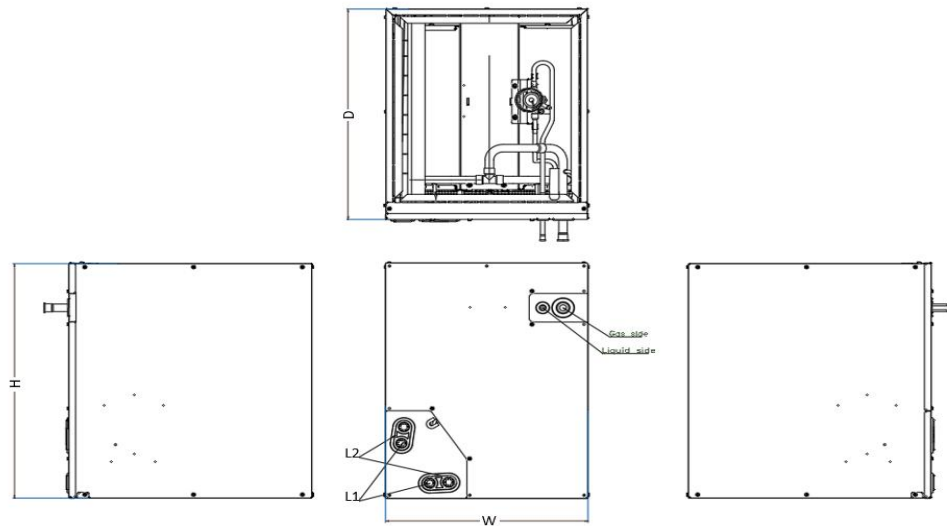
Set Model	
Indoor unit model	AC32-18B-15
Outdoor unit model	BAH32-18-15
Certified	AHRI ETL



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)		16.0
Max.fuse (A)		20.0
Cooling		
Rated Capacity (Btu/h)		18000
Capacity Range (Btu/h)		6500~19000
Power Input (W)		1895
Rated current (A)		8.58
SEER2 (Btu/W)		14.3
EER2 (Btu/W)		9.5
Heating at 47F		
Rated Capacity (Btu/h)		19000
Capacity Range (Btu/h)		6800~21000
Power Input (W)		1590
Rated current (A)		7.10
HSPF4 (Btu/W)		8.4
HSPF5 (Btu/W)		7.1
COP	W/W	3.5
Heating at 5F		
Capacity (Btu/h)		14000
COP	W/W	1.8
REFRIGERANT PIPE DATA		
Design pressure (PSIG)		609/174
Refrigerant Type		R32
Refrigerant charge (oz)		65.3
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)		98.4
	(m)	30.0
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)	60~90 / 16~32
Outdoor(cooling)	(Deg. °F / °C)	5~131 / -15~55
Outdoor(heating)	(Deg. °F / °C)	-4~75 / -20~24

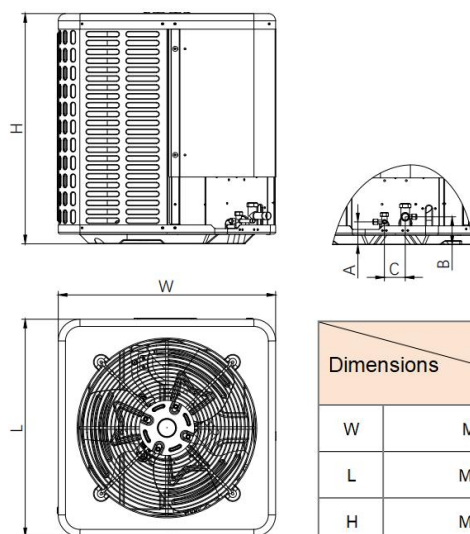
INDOOR UNIT DATA		
Throttle		TXV for Cooling
Indoor fan motor		
Type		---
Model		---
Qty		---
Input (W)		---
RLA (A)		---
LRA (A)		---
Capacitor (uF)		---
Speed(Hi/Mi/Lo) (r/min)		---
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (CFM)		---
Indoor noise level (Hi/Med/Lo) [dB(A)]		---
Dehumidification		
	(Pint/H)	---
Indoor unit		
Dimension (WxDxH) (inch)		17-33/64*21-1/32*17-63/64
	(mm)	445*534*457
Packing(WxDxH) (inch)		20-15/32*26-49/64*20-5/64
	(mm)	520*680*510
Net/Gross weight (lbs.)		42/50
	(kg)	19/22.5
OUTDOOR UNIT DATA		
Compressor		
Type		KTN210D60UMT3
Model		ROTARY
Brand		GMCC
Capacity (Btu/h)		22950.9
Input (W)		1845
Rated current (RLA) (A)		8.4
Refrigerant oil/oil charge (ml)		ESTER OIL VG74 630
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)		2100
Outdoor noise level [dB(A)]		58.0
Outdoor unit		
Dimension (W×D×H) (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.)		111/118
	(kg)	50.5/53.5

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		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