
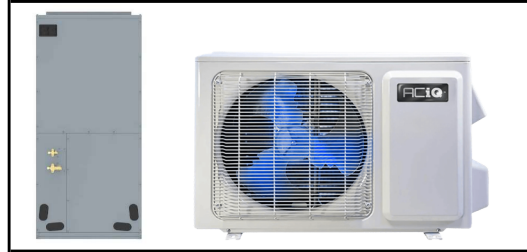




**SUBMITTAL DATA SHEET**

<b>Unitary Inverter Split Air Conditioner</b>		<b>42,000 BTU/h</b>
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____	

<b>Set Model</b>	
Indoor unit model	SC-42-AHB
Outdoor unit model	SC-42-EHPB
<b>Certified</b>	AHRI  UL 



**SYSTEM PERFORMANCE DATA**

<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	230V, 1 Ph, 60 Hz
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity(Outdoor)	(A)	25.5
Max.fuse(Outdoor)	(A)	35.0
Recommended Power Cable (Core)	(N)	3
<b>Cooling</b>		
Capacity	(Btu/h)	40000 (8000~44000)
Power Input	(kW)	4.08 (1.96~4.20)
Current	(A)	16.68 (10~22)
SEER2	(Btu/W)	15.5
EER2	(Btu/W)	10.0
Cooling at 95F	(Btu/W)	40000
<b>Heating</b>		
Capacity	(Btu/h)	40000 (8000~44000)
Power Input	(kW)	4.22 (1.81~4.50)
Current	(A)	18.10 (9.3~20.8)
HSPF2	(Btu/W)	7.8
COP	W/W	2.82
Heat at 47F	(Btu/h)	40000
Heat at 17F	(Btu/h)	25000
Heat at 5F	(Btu/h)	23400
COP at 47F	W/W	2.80
COP at 5F	W/W	1.80

**REFRIGERANT PIPE DATA**

Throttle type	Indoor unit	/
	Outdoor unit	EEV for heating
Refrigerant Type		R410A
Refrigerant charge	oz	123.50
Refrigerant precharge	(ft)	31.2
	(m)	9.5
Additional charge for each ft	(oz/ft)	0.32
Additional charge for each m	(g/m)	30.0
Liquid side/ Gas side(indoor)	(inch)	3/8" / 3/4"
	(mm)	9.52/19
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 3/4"
	(mm)	9.52/19
Max. pipe length	(ft)	164.0
	(m)	50.0
Max. difference in level	(ft)	98.4
	(m)	30.0
Connection method	Screw or Solder Connection	
Operational Temperature Range (Cooling)	(Deg. °F)	5~118.4
	(Deg. °C)	-15~48
Operational Temperature Range (Heating)	(Deg. °F)	5~75.2
	(Deg. °C)	-15~24

**INDOOR UNIT DATA**

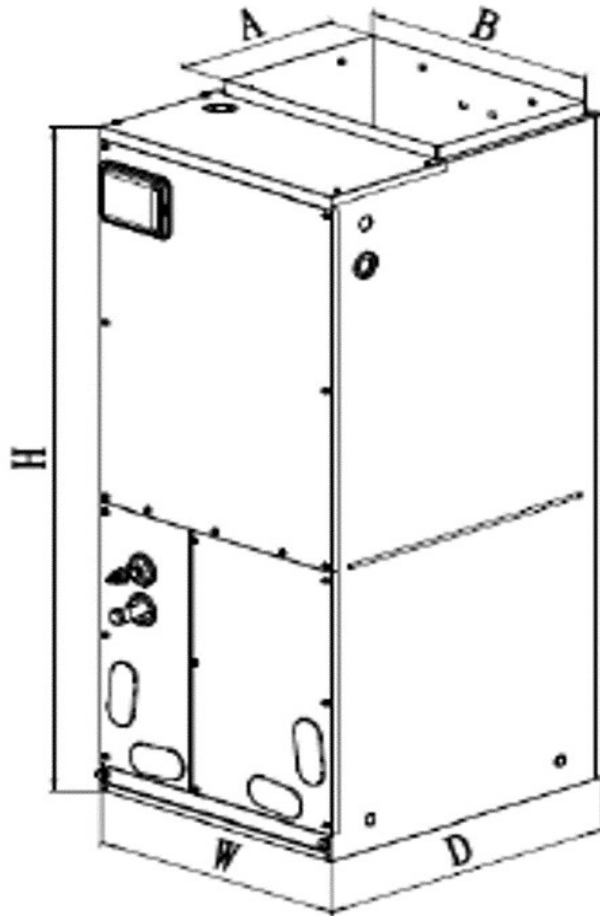
<b>Indoor fan motor</b>		
Fan Type		Centrifugal
Qty		1
Control Voltage	VAC	24
Rated Current Cooling	(A)	5
Rated Current Heating	(A)	5
Minimum circuit ampacity(Indoor)	(A)	5
Max.fuse(Indoor)	(A)	15
Multi Fan Speeds	# of speeds	8
<b>Air flow &amp; Sound Pressure level</b>		
Indoor air flow	(CFM)	1230
Sound Pressure Level	[dB(A)]	53
External Static Pressure(Up to)	(In W.c.)	1.0
<b>Dehumidification</b>	(pt/hr)	12.13
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	21.25x21.25x48.25
	(mm)	539.75x539.75x1225.55
Packing(WxDxH)	(inch)	26.00x23.75x50.44
	(mm)	660.40x603.25x1281.18
Net/Gross weight	(lbs.)	154.3/167.6
	(kg)	69.99/76.02

**OUTDOOR UNIT DATA**

<b>Compressor</b>		
Type		Inverter ROTARY
Model		QXFS-D280zX070
Brand		GREE
Capacity	(Btu/h)	32402
Input	(W)	2293
Rated current (RLA)	(A)	16
Refrigerant oil/oil charge	(ml)	FW68DA (FW68L) / 950
<b>Outdoor fan motor</b>		
Model		B-SWZ130E
Qty		1
Input	(W)	/
Output	(W)	/
RLA	(A)	/
Rated Current Cooling	(A)	22
Rated Current Heating	(A)	20.8
Speed	(r/min)	840
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	3176
Outdoor noise level (Hi)	[dB(A)]	72.0
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	37.13x14.56x32.50
	(mm)	943x370x826
Packing (WxDxH)	(inch)	43.00x19.44x34.81
	(mm)	1093x494x885
Net/ Gross weight	(lbs.)	152.10/163.10
	(kg)	69.00/74.00

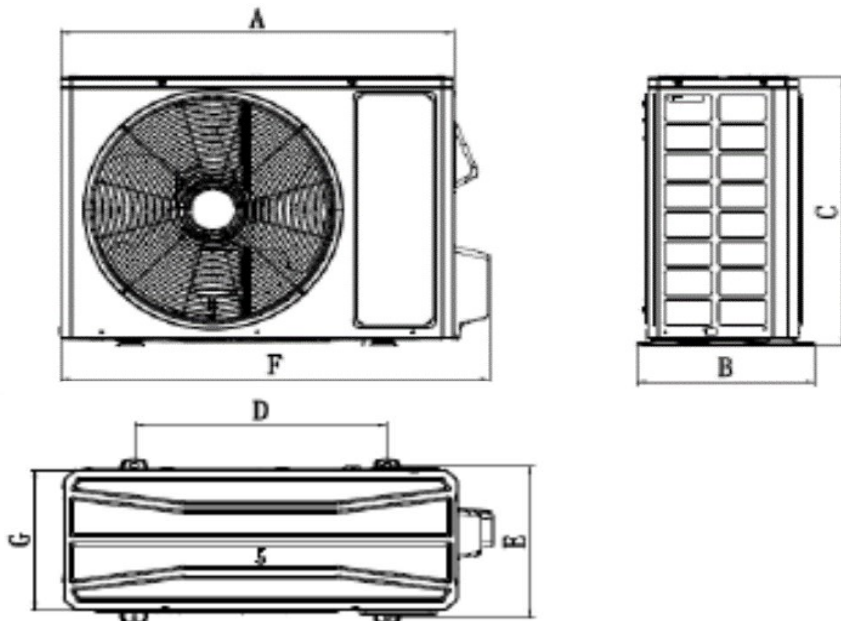
Indoor unit dimensions

<b>SC-42-AHB</b>	
Dimensions (inch)	
A	11-5/8"
B	20"
H	48-1/4"
W	21-1/4"
D	21-1/4"



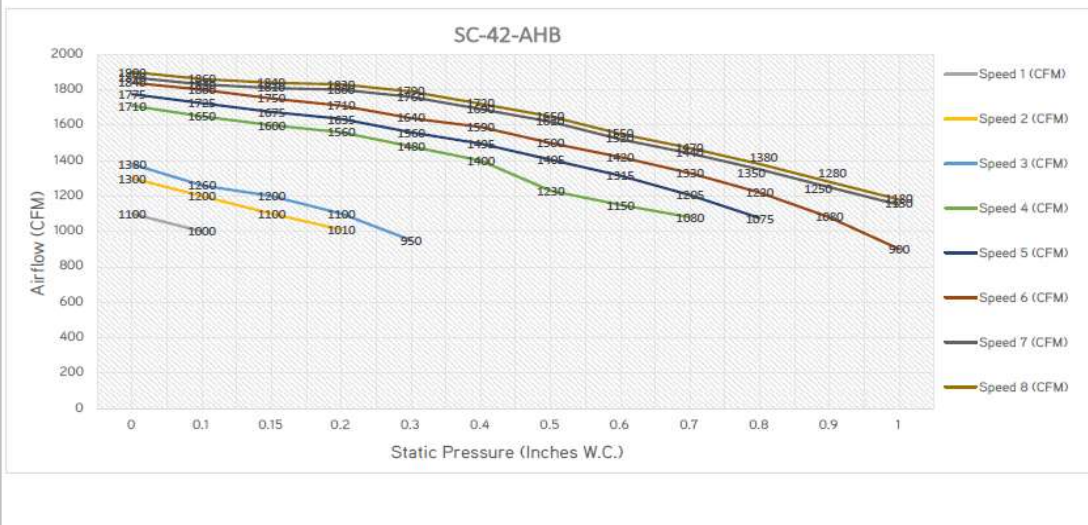
Outdoor unit dimensions

<b>SC-42-EHPB</b>	
Dimensions (inch)	
A	37-1/8"
B	15-13/16"
C	32-1/2"
D	22-7/16"
E	14-9/16"
F	38-1/4"
G	14-5/8"



## Fan performance

Static Pressure (Inches W.C.)	0	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Speed 1 (CFM)	1100	1000										
Speed 2 (CFM)	1300	1200	1100	1010								
Speed 3 (CFM)	1380	1260	1200	1100	950							
Speed 4 (CFM)	1710	1650	1600	1560	1480	1400	1230	1150	1080			
Speed 5 (CFM)	1775	1725	1675	1635	1560	1495	1405	1315	1205	1075		
Speed 6 (CFM)	1840	1800	1750	1710	1640	1590	1500	1420	1330	1220	1080	900
Speed 7 (CFM)	1870	1830	1810	1800	1760	1690	1620	1520	1440	1350	1250	1150
Speed 8 (CFM)	1900	1860	1840	1830	1790	1720	1650	1550	1470	1380	1280	1180



**Notes:**

1. The above chart CFM ratings are based on dry coil with a factory filter installed.
2. For wet coil CFM ratings, multiply the CFM by a 0.96 correction factor.