



BAH4 Series

Heat Pump
Top Discharge Condensing Unit
1.5 Tons up to 4 Tons

UP TO
15.2 SEER2

FEATURES:

- Low pressure protection
- High pressure protection
- Cooling range: 57°F - 115°F
- Heating range: 19°F - 75°F
- High efficiency condenser with inner groove copper tube and aluminum fin.
- High Efficiency scroll compressor
- R410a environmentally friendly refrigerant.
- 3 Speed Dc Fan Motor
- Powder painted galvanized steel cabinet.



High Efficiency
Scroll Compressor



Multi-speed
blower motor



High EER
and SEER



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Comfortstar Model			BAH4-18-15	BAH4-24-15	BAH4-30-15	BAH4-36-15	BAH4-42-15	BAH4-48-15
Outdoor power supply	V/Ph/Hz		230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ
Outdoor power supply	Capacity	Btu/h	17600.00	23600.00	27000.00	33000.00	40000.00	47500.00
	EER2	Btu/h.W	11.70	11.70	11.70	11.70	11.70	11.70
	SEER2	Btu/h.W	14.30	15.20	14.80	14.30	14.30	14.30
Heating	Capacity	Btu/h	17000.00	22000.00	27000.00	32000.00	41000.00	47000.00
	HSPF2	Btu/h.W	7.50	7.80	7.60	7.70	7.50	7.50
Max. input consumption	W		2150.00	2400.00	2980.00	3805.00	4505	5400.00
Max. current	A		12.00	13.50	16.70	21.00	22.02	28.28
MCA	A		13.00	13.00	15.00	20.00	25.00	30.00
MOP	A		20.00	20.00	25.00	30.00	40.00	45.00
	Type		scroll	scroll	scroll	scroll	scroll	scroll
	Capacity	Btu/h	21300.00	27300.00	32700.00	39600.00	49400.00	57100.00
	Input	W	1040.00	1294.00	1521.00	1808.00	2298.00	2631.00
	Rated current(RLA)	A	4.50	5.60	6.60	8.30	10.30	11.70
	Locked rotor Amp(LRA)	A	48.00	52.00	63.00	79.00	112.30	108.00
	Rate current	A	1.10	1.10	1.30	1.30	1.60	1.60
	Input	W	220.00	226.00	226.00	226.00	256.00	256.00
	Output	W	200.00	200.00	200.00	200.00	200.00	200.00
	Speed	rpm	850.00	850.00	950.00	950.00	950.00	1050.00
Outdoor fan blade	Dimension	mm	Φ450×120×Φ12.7	Φ585×110×Φ12.7	Φ585×110×Φ12.7	Φ585×110×Φ12.7	φ595×115×φ12.7	φ595×115×φ12.7
Outdoor coil	Number of row		2.00	2.00	2.00	2.00	2.70	2.70
	Fin spacing	in	0.06	0.06	0.06	0.06	0.06	0.06
	Fin material		Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin
	Tube outside diameter	in	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276
	Tube material		Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved
	Coil length x height x width	in	55.00×23.15×1.05	84.09×23.15×1.05	84.09×23.15×1.05	84.09×23.15×1.05	84.65×31.48×1.05	84.65×31.48×1.05
	Number of circuit		6.00	6.00	6.00	6.00	8.00	8.00
Outdoor air flow	CFM		1780.00	3060.00	3350.00	3350.00	3540.00	3910.00
Outdoor noise level	dB(A)		61.00	61.00	61.00	61.00	64.00	66.00
Throttling type			Piston	Piston	Piston	Piston	Piston	Piston
Outdoor dimension	Unit (WxHxD)	in	21-4/5×25×21-4/5	29-1/7×25×29-1/7	29-1/7×25×29-1/7	29-1/7×25×29-1/7	29-1/7×32-7/8×29-1/7	29-1/7×32-7/8×29-1/7
		mm	554×633×554	740×633×740	740×633×740	740×633×740	740×835×740	740×835×740
	Packing (WxHxD)	in	22-3/5×25-9/10×22-3/5	29-9/10×25-9/10×29-9/10	29-9/10×25-9/10×29-9/10	29-9/10×25-9/10×29-9/10	29-9/10×34-2/5×29-9/10	29-9/10×34-2/5×29-9/10
		mm	575×660×575	760×660×760	760×660×760	760×660×760	760×875×760	760×875×760
	Net / Gross weight	kg	59/61	72/76	72/76	74/77	97/101	98/102
lbs		130/134	159/168	159/168	163/170	214/223	216/225	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Charging	oz	91.71	118.17	123.46	123.46	179.90	201.06
Refrigerant pipe	Liquid side	in	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas side	in	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ7/8
	Max. refrigerant pipe length	ft	50.00	50.00	50.00	50.00	66.00	66.00
	Max. difference in level	ft	26.00	26.00	26.00	26.00	33.00	33.00
Design pressure	MPa		4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2
Max pressure	MPa		4.20	4.20	4.20	4.20	4.20	4.20
Operation temp range	Cooling	°F	58-115	58-115	58-115	58-115	58-115	58-115
	Heating	°F	15-75	15-75	15-75	15-75	15-75	15-75
	Heating (high vertical)	°F	23-75	23-75	23-75	23-75	23-75	23-75

ComfortStar[®]
Air Conditioning & Heating Products



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