

AIR HANDLERS WITH HOT WATER HEAT



2 THRU 5 TONS SPLIT SYSTEM AHXW Series



FEATURES

- Air Conditioning or Heat Pump ready
- Prepainted galvanized steel cabinet
- Internally lined with R4.2, 1" Tuf-Skin II insulation
- Direct drive slide-out blower assembly
- Three speed PSC blower motor
- Blower time delay
- Multiple condensate drain connections, allow choice of location for primary or secondary connections
- Sweat refrigerant connections
- Copper tube/aluminum fin coils
- Factory installed thermal expansion valve
- Ships in upflow and horizontal right configuration
- Horizontal left airflow with simple conversion
- Accepts standard air filters
- 115V/1 Phase/60Hz

Hot Water Heat

- Hot water heat coil installed
- Condensing unit lock out switch installed
- Freeze protection switch installed that can energize an external pump (pump not included)



All Technical Specifications Subject to Change Without Notice
Manufactured by Freedom Air - Ft. Worth, Texas

Blower Data:

Model No.	Airflow Tonnage Range	Motor @115V 1 Ph 60 Hz		DD Blower Wheel	3 Speed	SCFM vs. ESP (1) (2)				
		HP	FLA			0.10	0.20	0.30	0.40	0.50
AHXW24	1.5 - 2.0	1/4	3.2	10x6	H	850	800	760	720	680
					M	825	775	715	690	670
					L	780	715	655	630	—
AHXW36	2.5 - 3.0	1/3	6.2	10x8	H	1360	1310	1270	1230	1190
					M	1340	1250	1170	1090	1060
					L	1280	1170	1040	970	—
AHXW48	4.0	3/4	9.5	11x9	H	1860	1740	1640	1530	1480
					M	1780	1620	1510	1390	1280
					L	1680	1500	1320	1250	—
AHXW60	5.0	3/4	9.7	11x11	L	1950	1900	1845	1770	1720
					M	1820	1750	1620	1470	1440
					L	1750	1640	1390	1270	—

Notes: (1) Based upon unit w/nominal tonnage dry coil and filter installed.
(2) Use 0.96 as approximate SCFM correction factor for wet coil.

General Specifications:

Model No.	Cooling Capacity (Tons)	Blower	N ominal SCFM @.20 ESP w/coil	Nominal Heating BTUH
AHXW24	1.5 - 2.0	10x6	800	20 - 33,000
AHXW36	2.5 - 3.0	10x8	1330	41 - 50,000
AHXW48	3.5 - 4.0	11x9	1740	43 - 67,000
AHXW60	5.0	11x11	2000	62 - 80,000

Filters:

Model No.	Filter Size
24	16x20x1
36-60	20x25x1

Shipping Data:

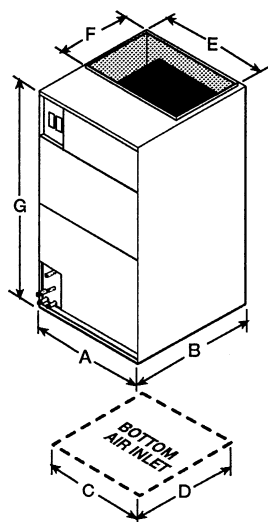
Model No.	Max. Shp. Wt. w/coil	
24	140	
36-60	199	

All Technical Specifications Subject to Change Without Notice

Heating Performance Data:

Model No.	Heating Nominal SCFM/Spd	Heating Capacities @ Entering Water Temperatures						GPM	P. D. Ft. Water
		130°F	140°F	150°F	160°F	170°F	180°F		
AHXW24	800 H	23,000	26,000	30,300	33,900	37,600	41,200	4.0	1.9
AHXW36	1170 L	45,000	50,000	60,000	67,000	74,800	82,000	4.0	1.4
AHXW48	1740 H	59,000	67,000	78,000	88,000	97,000	107,000	4.0	0.8
AHXW60	1900 H	69,000	80,000	91,000	102,500	113,500	125,000	7.0	2.5

All Technical Specifications Subject to Change Without Notice



AH WX Model	A	B	C	D	E	F	G
24	17.5	21	15	17.5	16	12.63	39.75
36/48/60	21.5	25	19.25	22.25	19.63	17.25	49.75

Performance Data Cooling/Heating:

Indoor Model	Outdoor Model	SEER	Cool Cap	Heat Cap	HSPF
AHXLW2400A1	NHP018A(G)KA*	10.10	17.4	17.2	6.80
AHXLW2400A1	NHP018A(G)KC*	10.40	17.6	17.4	6.80
AHXLW2400A1	CHP018AKA*□	10.80	17.4	17.2	7.25
AHXLW2400A1	CHP018A(G)KC*	10.30	15.9	15.2	6.80
AHXLW2400A1	NHP218A(G)KA*	12.00	16.6	17.2	7.50
AHXLW2400A1	NHP218A(G)KC*	12.05	17.2	18.0	6.90
AHXLW2400A1	CHP218*KA*□	12.00	17.4	18.0	7.50
AHXLW2400A1	CHP218A(G)KC*	12.05	17.6	18.4	7.40
AHXLW2400A1	NHP024A(G)KA*	10.30	23.4	23.0	6.80
AHXLW2400A1	NHP024A(G)KC*	10.15	22.6	23.0	6.80
AHXLW2400A1	CHP024AKA*□	10.40	23.6	24.0	7.40
AHXLW2400A1	CHP024A(G)KC*	10.20	23.0	24.4	7.20
AHXLW2400A1	NHP224A(G)KA*	12.00	22.0	23.4	8.00
AHXLW2400A1	NHP224A(G)KC*	12.00	22.0	22.8	7.30
AHXLW2400A1	CHP224*KA*□	12.00	22.0	23.6	8.00
AHXLW2400A1	CHP224A(G)KC*	12.00	22.2	23.0	7.40
AHXLW3600A1	CHP424AKA*□	14.00	22.6	19.8	6.80
AHXLW3600A1	CHP424A(G)KC*	12.55	23.4	25.0	7.40
AHXLW3600A1	NHP030A(G)KA*	10.30	29.2	28.6	6.80
AHXLW3600A1	NHP030A(G)KC*	10.40	28.6	29.0	6.80
AHXLW3600A1	CHP030AKA*□	10.35	29.4	29.2	7.00
AHXLW3600A1	CHP030A(G)KC*	10.45	28.0	29.6	7.20
AHXLW3600A1	NHP230A(G)KA*	12.05	28.2	28.4	8.00
AHXLW3600A1	NHP230A(G)KC*	12.10	28.8	29.0	7.00
AHXLW3600A1	CHP230AKA*□	12.10	28.8	28.6	8.00
AHXLW3600A1	CHP230A(G)KC*	12.15	29.2	30.4	7.80
AHXLW3600A1	CHP430AKA*□	14.00	28.4	25.0	8.30
AHXLW3600A1	CHP430A(G)KC*	12.60	27.2	29.0	8.40
AHXLW3600A1	NHP036A(G)KA*	10.20	35.0	33.6	6.80
AHXLW3600A1	NHP036A(G)KC*	10.30	34.0	33.6	6.80
AHXLW3600A1	CHP036AKA*□	10.35	35.8	36.0	7.40
AHXLW3600A1	CHP036A(G)KC*	10.30	34.4	35.0	7.20
AHXLW3600A1	NHP236A(G)KA*	12.05	34.6	35.8	8.00
AHXLW3600A1	NHP236A(G)KC*	12.10	34.4	34.0	7.00
AHXLW3600A1	CHP236*KA*□	12.10	34.8	35.6	8.00
AHXLW3600A1	CHP236A(G)KC*	12.15	34.4	36.0	7.80
AHXLW3600A1	CHP436AKA*□	14.00	35.4	32.6	6.90
AHXLW3600A1	CHP436A(G)KC*	13.10	34.4	34.0	7.85
AHXLW4800A1	NHP042A(G)KA*	10.30	41.0	39.5	6.80
AHXLW4800A1	NHP042A(G)KC*	10.20	41.0	38.0	6.80
AHXLW4800A1	CHP042AKA*□	10.40	41.5	40.0	7.20
AHXLW4800A1	CHP042A(G)KC*	10.30	41.0	36.8	7.00
AHXLW4800A1	NHP242A(G)KA*	12.05	39.0	41.5	7.40
AHXLW4800A1	NHP242A(G)KC*	12.00	39.0	40.0	7.10
AHXLW4800A1	CHP242*KA*□	12.10	40.0	42.0	8.00
AHXLW4800A1	CHP242A(G)KC*	12.00	40.5	39.0	8.00
AHXLW4800A1	CHP442AKA*□	13.00	38.5	32.8	6.80
AHXLW4800A1	CHP442A(G)KC*	12.55	38.5	39.0	8.10



Ratings utilize thermal expansion valve and time delay relay.
All Technical Specifications Subject to Change Without Notice

Performance Data Cooling/Heating:

Indoor Model	Outdoor Model	SEER	Cool Cap	Heat Cap	HSPF
AHXL4800A1	NHP048A(G)KA*	10.30	44.5	44.5	7.20
AHXL4800A1	NHP048A(G)KC*	10.40	45.0	47.0	6.80
AHXL4800A1	CHP048AKA*□	10.40	47.5	48.0	7.40
AHXL4800A1	CHP048A(G)KC*	10.50	45.5	46.5	7.40
AHXL4800A1	NHP248A(G)KA*	12.00	42.0	44.5	7.20
AHXL4800A1	NHP248A(G)KC*	12.00	42.0	46.0	7.00
AHXL6000A1	CHP248*KA*□	12.00	46.5	48.0	8.00
AHXL4800A1	CHP248A(G)KC*	12.05	47.0	48.5	8.00
AHXL6000A1	CHP448AKA*□	12.00	44.5	37.4	6.80
AHXL6000A1	CHP448A(G)KC*	13.00	42.0	47.0	7.80
AHXL6000A1	NHP060A(G)KA*	10.40	55.0	56.0	6.80
AHXL6000A1	NHP060A(G)KC*	10.40	56.0	58.0	6.80
AHXL6000A1	CHP060AKA*□	10.40	57.0	59.0	7.40
AHXL6000A1	CHP060A(G)KC*	10.40	56.5	59.0	7.60
AHXL6000A1	NHP260A(G)KA*	11.05	52.5	52.0	7.40
AHXL6000A1	NHP260A(G)KC*	11.30	53.5	57.0	7.00
AHXL6000A1	CHP260*KA*□	11.50	56.0	59.0	7.90
AHXL6000A1	CHP260A(G)KC*	11.60	56.0	58.0	8.20
AHXL6000A1	CHP460AKA*□	12.00	56.0	48.0	6.80
AHXL6000A1	CHP460A(G)KC*	12.00	56.5	58.0	7.80



Ratings utilize thermal expansion valve and time delay relay.
All Technical Specifications Subject to Change Without Notice

Performance Data Cooling:

Indoor Model	Outdoor Model	SEER	Cool Cap
AHXW2400A1	NAC018A(G)KA*	10.30	18.0
AHXW2400A1	CAC018AKA*	10.40	18.2
AHXW2400A1	NAC218A(G)KA*	12.00	16.8
AHXW2400A1	CAC218AKA*	12.00	17.4
AHXW2400A1	NAC024A(G)KA*	10.20	23.0
AHXW2400A1	CAC024AKA*	10.30	24.0
AHXW2400A1	NAC224A(G)KA*	12.00	22.6
AHXW2400A1	CAC224AKA*	12.00	23.2
AHXW3600A1	CAC424AKA*	14.10	22.4
AHXW3600A1	NAC030A(G)KA*	10.40	29.0
AHXW3600A1	CAC030AKA*	10.45	30.0
AHXW3600A1	NAC230A(G)KA*	12.00	29.6
AHXW3600A1	CAC230AKA*	12.05	30.2
AHXW3600A1	CAC430AKA*	14.05	29.8
AHXW3600A1	NAC036A(G)KA*	10.30	34.0
AHXW3600A1	CAC036AKA*	10.40	35.8
AHXW3600A1	NAC236A(G)KA*	12.00	34.8
AHXW3600A1	CAC236AKA*	12.05	35.4
AHXW3600A1	CAC436AKA*	14.05	36.2
AHXW4800A1	NAC042A(G)KA*	10.20	40.5
AHXW4800A1	CAC042AKA*	10.30	42.5
AHXW4800A1	NAC242A(G)KA*	12.00	41.0
AHXW4800A1	CAC242AKA*	12.05	42.0
AHXW4800A1	CAC442AKA*	14.05	41.0
AHXW4800A1	NAC048A(G)KA*	10.50	46.0
AHXW4800A1	CAC048AKA*	10.50	47.5
AHXW4800A1	NAC248A(G)KA*	12.00	46.5
AHXW4800A1	CAC248AKA*	12.05	48.5
AHXW6000A1	CAC448AKA*	14.05	48.0
AHXW6000A1	NAC060A(G)KA*	10.40	57.0
AHXW6000A1	CAC060AKA*	10.40	59.0
AHXW6000A1	NAC260A(G)KA*	12.00	55.0
AHXW6000A1	CAC260AKA*	12.00	57.5
AHXW6000A1	CAC460AKA*	13.00	56.5

