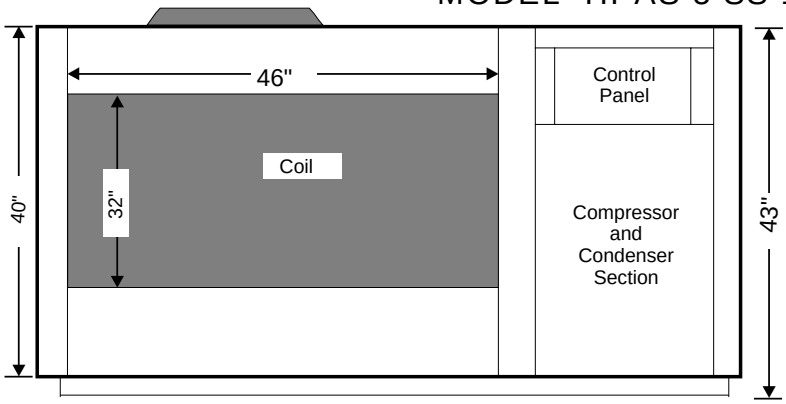
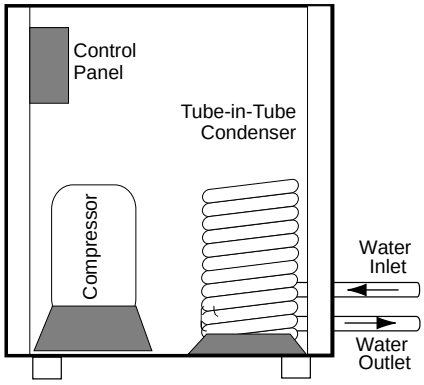
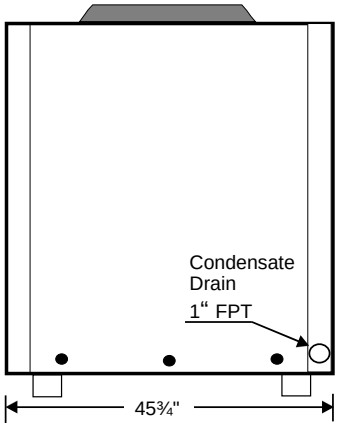
MODEL HPAS 5 SS 124



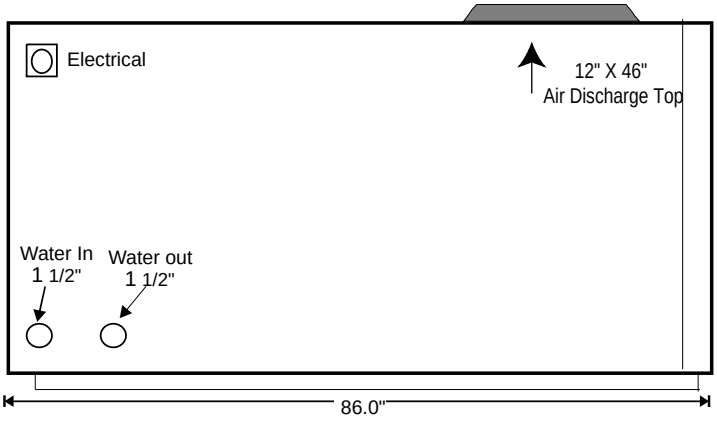
Front View



Right Side



Left Side



Back View

MODEL HPAS 5 SS 124

Heating Capacity	124.200 BTUH	Cooling Capacity	95,500 BTUH
Condenser Water Flow	30 GPM	Evaporator Construction	Copper/Aluminum Fin
Pressure Drop (cond.)	5.2 PSI	Cabinet Construction	Galvanized Steel
Entering Water Temp.	100 °F	Entering Wet Bulb Temp.	72.0°F
Leaving Water Temp.	108.29°F	Water Pump—1/2 HP	460/3/60 - 1.2 Amp
COP	5.42	Cooling EER	15.6
Compressors	(1) SZ 110 Maneurop Scroll	Condensers	Double Wall Vented
Voltage	460/60/3Ø	Construction (Cond.)	Tube-in-Tube
RLA/LRA	13.8/170	Fan 3/4 HP	460/3/60 - 1.6 Amp
Control Voltage	24 Volts	Refrigerant Type	R-134A
Min. Comp. Circuit Amp.	20	Minimum Unit Amperage.	30 Amp.

STANDARD FEATURES

Liquid Receiver
Compressors Service Valves
Liquid Line Sight Glass
Insulated Compressor Compartment
Compressors Adjustable Time Delay Relay
Single Phase/Voltage Protection
Five Year Compressor Warranty/One Yr. Parts
Liquid Line Dryer
Thermostatic Expansion Valves
Hinged Control Panel
Pre-wired Mechanical Controls
Insulated Suction Lines
High Side Pressure Control
Low Side Pressure Control

Options

Micro-Processor Based Control System
Painted Galvanize Cabinet
304 or 316 Stainless Steel Cabinet
Refrigerant Pump Down Solenoid Valves
Blower
TechniCoat 10-1 Evaporator Coated Coil
Warranty on all Parts & Labor Year 2-5

Note: In view of Continuous Product Improvements, design and specification are subject to change without notice.

Heat Harvester Energy Efficient Products
Manufactured by
Environmentally Engineered Equipment, Inc.

					MODEL HPAS 5 SS 124										
WB TEMP.					ENTER WATER TEMP. F @ 30 GPM,										
72 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	120,900	118,450	116,000	113,300	110,600	107,650	104,700	101,650	98,600	95,300	92,000	88,600	85,200	81,800	78,400
HMBTUH	134,620	133,006	131,393	129,665	127,938	126,063	124,188	122,367	120,546	118,628	116,710	114,829	112,948	111,066	109,185
WATTS	5,020	5,265	5,510	5,795	6,080	6,395	6,710	7,070	7,430	7,835	8,240	8,685	9,130	9,575	10,020
EER	24.08	22.5	21.05	19.55	18.19	16.83	15.6	14.38	13.27	12.16	11.17	10.2	9.33	8.54	7.82
COP	7.86	7.4	6.99	6.56	6.17	5.78	5.42	5.07	4.75	4.44	4.15	3.87	3.62	3.4	3.19
LV. WTR	78.98	83.87	88.76	93.65	98.53	103.41	108.28	113.16	118.04	122.91	127.78	132.66	137.53	142.41	147.28
WB TEMP.					ENTER WATER TEMP. F @ 30 GPM,										
67 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	110,500	108,200	105,900	103,400	100,900	98,200	95,500	92,650	89,800	86,750	83,700	80,500	77,300	74,100	70,900
HMBTUH	124,254	122,791	121,327	119,782	118,238	116,613	114,988	113,367	111,746	110,061	108,376	106,695	105,014	103,332	101,651
WATTS	5,030	5,275	5,520	5,800	6,080	6,395	6,710	7,070	7,430	7,830	8,230	8,675	9,120	9,565	10,010
EER	21.97	20.51	19.18	17.83	16.6	15.36	14.23	13.1	12.09	11.08	10.17	9.28	8.48	7.75	7.08
COP	7.24	6.82	6.44	6.05	5.7	5.34	5.02	4.7	4.41	4.12	3.86	3.6	3.37	3.17	2.98
LV. WTR	78.29	83.19	88.09	92.99	97.89	102.78	107.67	112.56	117.45	122.34	127.23	132.12	137	141.89	146.78
WB TEMP.					ENTER WATER TEMP. F @ 30 GPM,										
62 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	100,100	97,950	95,800	93,500	91,200	95,500	86,300	89,700	81,000	83,500	75,400	77,000	69,400	66,400	63,400
HMBTUH	113,889	112,575	111,261	109,899	108,538	113,913	105,788	110,417	102,946	106,794	100,042	103,161	97,079	95,598	94,117
WATTS	5,040	5,285	5,530	5,805	6,080	6,395	6,710	7,070	7,430	7,825	8,220	8,665	9,110	9,555	10,000
EER	19.86	18.53	17.32	16.11	15	14.93	12.86	12.69	10.9	10.67	9.17	8.89	7.62	6.95	6.34
COP	6.62	6.24	5.89	5.55	5.23	5.22	4.62	4.58	4.06	4	3.57	3.49	3.12	2.93	2.76
LV. WTR	77.6	82.51	87.42	92.33	97.24	102.6	107.06	112.36	116.87	122.12	126.67	131.88	136.47	141.38	146.28
WB TEMP.					ENTER WATER TEMP. F @ 30 GPM,										
57 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	90,400	88,450	86,500	84,400	82,300	80,000	77,700	75,250	72,800	70,250	67,700	64,950	62,200	59,450	56,700
HMBTUH	104,189	103,075	101,961	100,799	99,638	98,413	97,188	95,950	94,711	93,510	92,308	91,077	89,845	88,614	87,383
WATTS	5,040	5,285	5,530	5,805	6,080	6,395	6,710	7,065	7,420	7,815	8,210	8,655	9,100	9,545	9,990
EER	17.94	16.74	15.64	14.54	13.54	12.51	11.58	10.65	9.81	8.99	8.25	7.5	6.84	6.23	5.68
COP	6.06	5.71	5.4	5.09	4.8	4.51	4.24	3.98	3.74	3.51	3.29	3.08	2.89	2.72	2.56
LV. WTR	76.95	81.87	86.8	91.72	96.65	101.56	106.48	111.4	116.32	121.24	126.16	131.07	135.99	140.91	145.83
WB TEMP.					ENTER WATER TEMP. F @ 30 GPM,										
52 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	81,400	79,600	77,800	81,600	73,900	71,800	69,700	67,500	65,300	62,950	60,600	58,100	55,600	53,100	50,600
HMBTUH	95,189	94,208	93,227	97,965	91,204	90,179	89,154	88,149	87,143	86,141	85,139	84,141	83,143	82,145	81,146
WATTS	5,040	5,280	5,520	5,795	6,070	6,385	6,700	7,050	7,400	7,795	8,190	8,630	9,070	9,510	9,950
EER	16.15	15.08	14.09	14.08	12.17	11.25	10.4	9.57	8.82	8.08	7.4	6.73	6.13	5.58	5.09
COP	5.53	5.23	4.95	4.95	4.4	4.14	3.9	3.66	3.45	3.24	3.05	2.86	2.69	2.53	2.39
LV. WTR	76.35	81.28	86.22	91.53	96.08	101.01	105.95	110.88	115.81	120.75	125.68	130.61	135.55	140.48	145.41
WB TEMP.					ENTER WATER TEMP. F @ 30 GPM,										
47 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	73,100	71,450	69,800	68,000	66,200	64,300	62,400	60,350	58,300	56,150	54,000	51,700	49,400	47,100	44,800
HMBTUH	86,854	86,024	85,193	84,331	83,470	82,628	81,786	80,930	80,075	79,273	78,471	77,673	76,875	76,076	75,278
WATTS	5,030	5,270	5,510	5,785	6,060	6,370	6,680	7,030	7,380	7,775	8,170	8,610	9,050	9,490	9,930
EER	14.53	13.56	12.67	11.75	10.92	10.09	9.34	8.58	7.9	7.22	6.61	6	5.46	4.96	4.51
COP	5.06	4.78	4.53	4.27	4.04	3.8	3.59	3.37	3.18	2.99	2.81	2.64	2.49	2.35	2.22
LV. WTR	75.79	80.74	85.68	90.62	95.57	100.51	105.45	110.4	115.34	120.29	125.23	130.18	135.13	140.07	145.02
WB TEMP.					ENTER WATER TEMP. F @ 30 GPM,										
42 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	65,400	63,900	62,400	60,750	59,100	57,350	55,600	53,750	51,900	49,900	47,900	45,850	43,800	41,750	39,700
HMBTUH	79,120	78,439	77,759	77,030	76,302	75,610	74,918	108,221	73,607	72,955	72,303	71,738	71,172	70,607	70,042
WATTS	5,020	5,260	5,500	5,770	6,040	6,350	6,660	16,960	7,360	7,755	8,150	8,585	9,020	9,455	9,890
EER	13.03	12.15	11.35	10.53	9.78	9.03	8.35	3.17	7.05	6.43	5.88	5.34	4.86	4.42	4.01
COP	4.62	4.37	4.14	3.91	3.7	3.49	3.3	1.87	2.93	2.76	2.6	2.45	2.31	2.19	2.08
LV. WTR	75.28	90.69	95.56	100.41	105.27	110.13	114.99	126.65	124.73	129.6	134.47	139.35	144.24	149.13	154.01