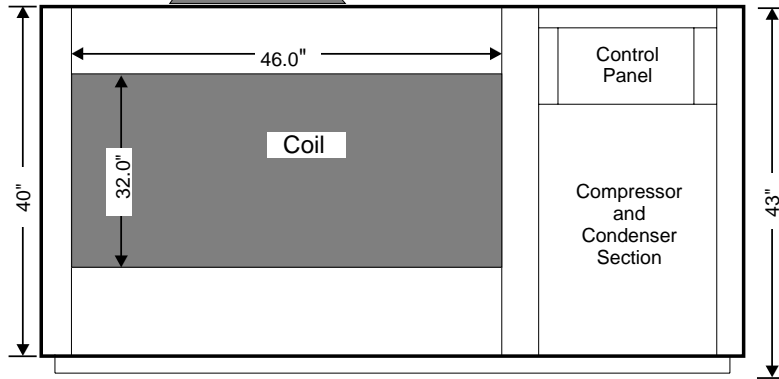
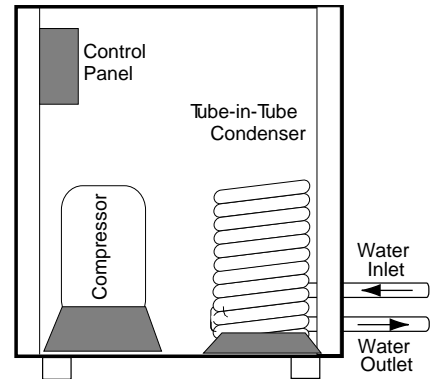


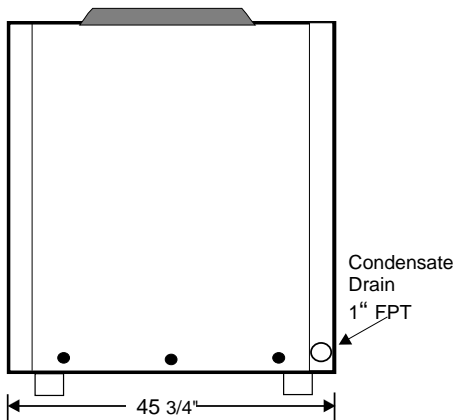
## MODEL HPAS 2 SS 203



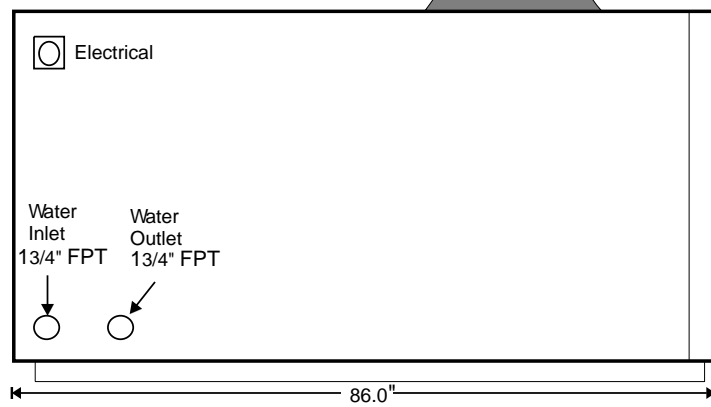
**Front View**



**Right Side**



**Left Side**



**Back View**

## MODEL HPAS 2 SS 203

Heating Capacity	207,100 BTUH
Condenser Water Flow	40 GPM
Pressure Drop (cond.)	5.2 PSI
Entering Water Temp.	100 °F
Leaving Water Temp.	110.17°F
COP	5.48
Compressors	(1) SM 125 Scroll
Voltage	460/60/3Ø
RLA/LRA	20.1/120
Control Voltage	24 Volts
Min. Comp. Circuit Amp.	30

Cooling Capacity	177,300 BTUH
Evaporator Construction	Copper/Aluminum Fin
Cabinet Construction	Galvanized
Entering Wet Bulb Temp.	72.0°F
Water Pump—3/4 HP	230/1/60 3.2 amps
Cooling EER	15.63
Condensers	Single wall Cupronickel
Construction (Cond.)	Tube-in-Tube
Fan 3/4 HP	460/3/60 - 1.5 amps
Refrigerant Type	R-22
Minimum Unit Amperage.	40 Amp.

### **STANDARD FEATURES**

Liquid Receiver	Liquid Line Dryer
Compressors Service Valves	Thermostatic Expansion Valves
Liquid Line Sight Glass	Hinged Control Panel
Insulated Compressor Compartment	Pre-wired Mechanical Controls
Compressors Adjustable Time Delay Relay	Insulated Suction Lines
Single Phase/Voltage Protection	High Side Pressure Control
Five Year Compressor Warranty/One Yr. Parts	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 Coating 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 2 SS 203													
WB TE,P	ENTERING WATER TEMP. F @ 40 GPM												
72 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	190,200	187,100	184,000	180,650	177,300	173,650	170,000	165,950	161,900	157,650	153,400	148,750	144,100
HMBTUH	214,228	212,476	210,724	208,927	207,130	205,254	203,379	201,360	199,341	197,377	195,414	193,307	191,199
WATTS	8,140	8,535	8,930	9,385	9,840	10,360	10,880	11,475	12,070	12,740	13,410	14,155	14,900
EER	23.37	21.92	20.6	19.25	18.02	16.76	15.63	14.46	13.41	12.37	11.44	10.51	9.67
COP	7.71	7.29	6.91	6.52	6.17	5.8	5.48	5.14	4.84	4.54	4.27	4	3.76
LV. WTR	80.72	85.63	90.54	95.45	100.36	105.27	110.17	115.07	119.97	124.87	129.77	134.67	139.56
WB TE,P	ENTERING WATER TEMP. F @ 40 GPM												
67 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	176,900	173,950	171,000	167,800	164,600	161,100	157,600	153,750	149,900	145,800	141,700	137,250	132,800
HMBTUH	200,825	199,240	197,656	196,026	194,395	192,687	190,979	189,177	187,375	185,579	183,782	181,909	180,036
WATTS	8,110	8,510	8,910	9,370	9,830	10,355	10,880	11,480	12,080	12,755	13,430	14,185	14,940
EER	21.81	20.44	19.19	17.91	16.74	15.56	14.49	13.39	12.41	11.43	10.55	9.68	8.89
COP	7.26	6.86	6.5	6.13	5.79	5.45	5.14	4.83	4.54	4.26	4.01	3.76	3.53
LV. WTR	80.05	84.97	89.89	94.81	99.72	104.64	109.55	114.46	119.37	124.28	129.19	134.1	139.01
WB TE,P	ENTERING WATER TEMP. F @ 40 GPM												
62 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	163,600	160,800	158,000	154,950	151,900	148,550	145,200	141,550	137,900	133,950	130,000	125,750	121,500
HMBTUH	187,423	186,005	184,587	183,124	181,661	180,120	178,579	176,994	175,409	173,780	172,151	170,511	168,872
WATTS	8,080	8,485	8,890	9,355	9,820	10,350	10,880	11,485	12,090	12,770	13,450	14,215	14,980
EER	20.25	18.95	17.77	16.56	15.47	14.35	13.35	12.32	11.41	10.49	9.67	8.85	8.11
COP	6.8	6.42	6.08	5.74	5.42	5.1	4.81	4.52	4.25	3.99	3.75	3.51	3.3
LV. WTR	79.37	84.3	89.23	94.16	99.09	104.01	108.93	113.85	118.77	123.69	128.61	133.53	138.45
WB TE,P	ENTERING WATER TEMP. F @ 40 GPM												
57 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	150,900	148,200	145,500	142,600	139,700	136,500	133,300	129,850	126,400	122,650	118,900	114,800	110,700
HMBTUH	174,620	173,320	172,019	170,723	169,427	168,053	166,679	165,311	163,943	162,531	161,119	159,664	158,209
WATTS	8,050	8,460	8,870	9,340	9,810	10,345	10,880	11,490	12,100	12,785	13,470	14,245	15,020
EER	18.75	17.52	16.4	15.27	14.24	13.19	12.25	11.3	10.45	9.59	8.83	8.06	7.37
COP	6.36	6	5.68	5.36	5.06	4.76	4.49	4.22	3.97	3.72	3.5	3.28	3.09
LV. WTR	78.73	83.67	88.6	93.54	98.47	103.41	108.34	113.27	118.2	123.13	128.06	132.99	137.91
WB TE,P	ENTERING WATER TEMP. F @ 40 GPM												
52 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	138,700	136,150	133,600	130,850	128,100	125,050	122,000	118,700	115,400	111,800	108,200	104,300	100,400
HMBTUH	162,284	161,150	160,017	158,888	157,759	156,569	155,379	154,161	152,943	151,715	150,487	149,249	148,011
WATTS	8,010	8,425	8,840	9,315	9,790	10,335	10,880	11,490	12,100	12,795	13,490	14,270	15,050
EER	17.32	16.16	15.11	14.05	13.08	12.1	11.21	10.33	9.54	8.74	8.02	7.31	6.67
COP	5.94	5.6	5.3	5	4.72	4.44	4.18	3.93	3.7	3.47	3.27	3.06	2.88
LV. WTR	78.12	83.06	88	92.95	97.89	102.83	107.77	112.71	117.65	122.59	127.53	132.47	137.4
WB TE,P	ENTERING WATER TEMP. F @ 40 GPM												
47 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	127,100	124,700	122,300	119,650	117,000	114,100	111,200	108,000	104,800	101,400	98,000	94,250	90,500
HMBTUH	150,581	149,598	148,614	147,602	146,591	145,568	144,545	143,461	142,377	141,366	140,355	139,285	138,214
WATTS	7,980	8,395	8,810	9,290	9,770	10,320	10,870	11,490	12,110	12,810	13,510	14,295	15,080
EER	15.93	14.85	13.88	12.88	11.98	11.06	10.23	9.4	8.65	7.92	7.25	6.59	6
COP	5.53	5.22	4.94	4.66	4.4	4.13	3.9	3.66	3.44	3.23	3.04	2.85	2.69
LV. WTR	77.53	82.48	87.43	92.38	97.33	102.28	107.23	112.18	117.12	122.07	127.02	131.97	136.91
WB TE,P	ENTERING WATER TEMP. F @ 40 GPM												
42 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	116,100	113,800	111,500	108,950	106,400	103,600	100,800	97,800	94,800	91,500	88,200	86,850	85,500
HMBTUH	139,445	138,595	137,746	136,851	135,957	135,034	134,111	133,244	132,377	131,483	130,589	131,902	133,214
WATTS	7,940	8,515	8,940	9,425	9,910	10,460	11,010	11,635	12,260	12,965	13,670	14,450	15,230
EER	14.62	13.36	12.47	11.56	10.74	9.9	9.16	8.41	7.73	7.06	6.45	6.01	5.61
COP	5.15	4.77	4.51	4.25	4.02	3.78	3.57	3.36	3.16	2.97	2.8	2.67	2.56
LV. WTR	76.98	81.93	86.89	91.85	96.8	101.75	106.71	111.66	116.62	121.58	126.53	131.6	136.66