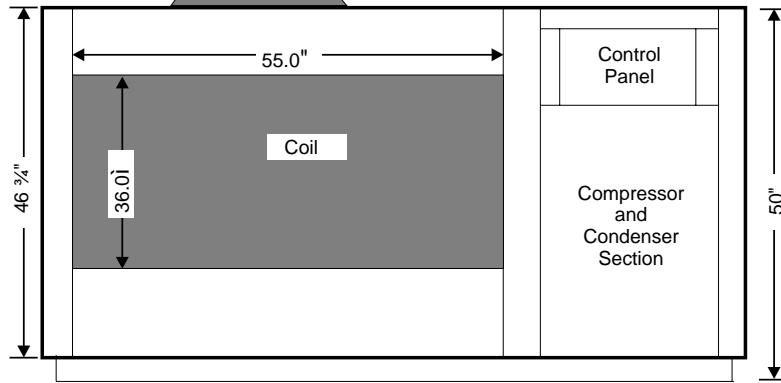
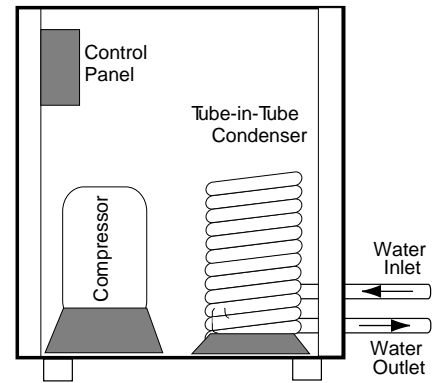


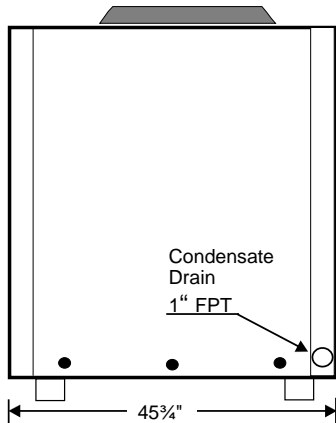
MODEL HPAS 5 SS 215



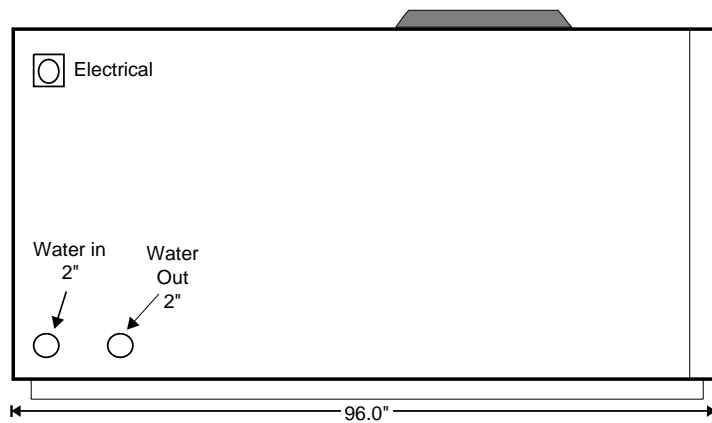
Front View



Right Side



Left Side



Back View

MODEL HPAS 5 SS 215

Heating Capacity	214,500 BTUH	Cooling Capacity	180,000 BTUH
Condenser Water Flow	50 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.	108.58° F	Water Pump—1.0 HP	460/3/60 -1.7 Amp
COP	5.79	Cooling EER	15.58
Compressors	(1) SZ 160 Maneurop Scroll	Condensers	Double Wall Vented
Voltage	460/60/3Ø	Construction (Cond.)	Tube-in-Tube
RLA/LRA	22.3/175	Fan 1½ HP	460/3/60 - 1.8 Amp
Control Voltage	24 Volts	Refrigerant Type	R-134A
Min. Comp. Circuit Amp.	30	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 10-2 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 215															
WB TEMP.	ENTER WATER TEMP. F @ 50 GPM,														
72 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	207,400	203,300	199,200	194,650	190,100	185,100	180,100	174,900	169,700	164,150	158,600	152,700	146,800	140,900	135,000
HMBTUH	232,008	229,324	226,641	223,695	220,749	217,592	214,435	211,248	208,062	204,799	201,536	198,195	194,855	191,515	188,175
WATTS	8,710	9,125	9,540	10,010	10,480	11,020	11,560	12,150	12,740	13,410	14,080	14,830	15,580	16,330	17,080
EER	23.81	22.28	20.88	19.45	18.14	16.8	15.58	14.4	13.32	12.24	11.26	10.3	9.42	8.63	7.9
COP	7.8	7.36	6.96	6.55	6.17	5.79	5.44	5.09	4.79	4.47	4.19	3.92	3.66	3.44	3.23
LV. WTR	79.28	84.18	89.07	93.95	98.83	103.71	108.58	113.45	118.33	123.2	128.06	132.93	137.8	142.66	147.53
WB TEMP.	ENTER WATER TEMP. F @ 50 GPM,														
67 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	189,600	185,700	181,800	177,550	173,300	168,700	164,100	159,250	154,400	149,250	144,100	138,650	133,200	127,750	122,300
HMBTUH	214,208	211,707	209,206	206,543	203,880	201,089	198,298	195,462	192,626	189,745	186,865	183,941	181,016	178,092	175,167
WATTS	8,710	9,120	9,530	9,995	10,460	10,990	11,520	12,110	12,700	13,365	14,030	14,770	15,510	16,250	16,990
EER	21.77	20.36	19.08	17.76	16.57	15.35	14.24	13.15	12.16	11.17	10.27	9.39	8.59	7.86	7.2
COP	7.21	6.8	6.43	6.05	5.71	5.36	5.04	4.73	4.44	4.16	3.9	3.65	3.42	3.21	3.02
LV. WTR	78.57	83.47	88.37	93.27	98.16	103.05	107.94	112.82	117.71	122.59	127.48	132.36	137.24	142.13	147.01
WB TEMP.	ENTER WATER TEMP. F @ 40 GPM,														
62 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	171,800	168,100	164,400	160,450	156,500	152,300	148,100	143,600	139,100	134,350	129,600	124,600	119,600	114,600	109,600
HMBTUH	196,408	194,090	191,772	189,392	187,012	184,587	182,162	179,675	177,189	174,692	172,194	169,686	167,177	164,669	162,160
WATTS	8,710	9,115	9,520	9,980	10,440	10,960	11,480	12,070	12,660	13,320	13,980	14,710	15,440	16,170	16,900
EER	19.72	18.44	17.27	16.08	14.99	13.9	12.9	11.9	10.99	10.09	9.27	8.47	7.75	7.09	6.49
COP	6.61	6.24	5.9	5.56	5.25	4.93	4.65	4.36	4.1	3.84	3.61	3.38	3.17	2.98	2.81
LV. WTR	77.86	82.77	87.67	92.58	97.48	102.39	107.29	112.19	117.09	121.99	126.89	131.79	136.69	141.59	146.49
WB TEMP.	ENTER WATER TEMP. F @ 50 GPM,														
57 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	155,000	151,650	148,300	144,650	141,000	137,100	133,200	129,050	124,900	120,500	116,100	111,500	106,900	102,300	97,700
HMBTUH	179,539	177,555	175,570	173,490	171,410	169,268	167,125	164,972	162,818	160,654	158,489	156,364	154,238	152,113	149,987
WATTS	8,690	9,090	9,490	9,950	10,410	10,925	11,440	12,025	12,610	13,265	13,920	14,645	15,370	16,095	16,820
EER	17.84	16.68	15.63	14.54	13.54	12.55	11.64	10.73	9.9	9.08	8.34	7.61	6.96	6.36	5.81
COP	6.05	5.72	5.42	5.11	4.82	4.54	4.28	4.02	3.78	3.55	3.34	3.13	2.94	2.77	2.61
LV. WTR	77.18	82.11	87.03	91.94	96.86	101.77	106.69	111.6	116.52	121.43	126.34	131.26	136.17	141.09	146
WB TEMP.	ENTER WATER TEMP. F @ 50 GPM,														
52 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	139,500	136,400	133,300	129,950	126,600	123,000	119,400	115,600	111,800	107,750	103,700	99,500	95,300	91,100	86,900
HMBTUH	163,971	162,219	160,467	158,670	156,873	155,031	153,189	151,351	149,514	147,682	145,851	144,125	142,399	140,674	138,948
WATTS	8,670	9,065	9,460	9,915	10,370	10,885	11,400	11,975	12,550	13,200	13,850	14,575	15,300	16,025	16,750
EER	16.09	15.05	14.09	13.11	12.21	11.3	10.47	9.65	8.91	8.16	7.49	6.83	6.23	5.68	5.19
COP	5.54	5.24	4.97	4.69	4.43	4.17	3.94	3.7	3.49	3.28	3.09	2.9	2.73	2.57	2.43
LV. WTR	76.56	81.49	86.42	91.35	96.28	101.2	106.13	111.06	115.98	120.91	125.84	130.77	135.7	140.63	145.56
WB TEMP.	ENTER WATER TEMP. F @ 50 GPM,														
47 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	125,200	122,350	119,500	116,400	113,300	110,000	106,700	103,200	99,700	96,000	92,300	88,450	84,600	80,750	76,900
HMBTUH	149,569	148,067	146,565	145,001	143,437	141,860	140,284	138,746	137,209	135,710	134,212	132,819	131,426	130,034	128,641
WATTS	8,640	9,035	9,430	9,880	10,330	10,835	11,340	11,915	12,490	13,135	13,780	14,500	15,220	15,940	16,660
EER	14.49	13.54	12.67	11.78	10.97	10.15	9.41	8.66	7.98	7.31	6.7	6.1	5.56	5.07	4.62
COP	5.07	4.8	4.55	4.3	4.07	3.84	3.62	3.41	3.22	3.03	2.85	2.68	2.53	2.39	2.26
LV. WTR	75.99	80.93	85.86	90.8	95.74	100.68	105.61	110.55	115.49	120.43	125.37	130.31	135.26	140.2	145.15
WB TEMP.	ENTER WATER TEMP. F @ 50 GPM,														
42 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	112,000	109,350	106,700	103,850	101,000	98,000	95,000	91,750	88,500	85,150	81,800	78,300	74,800	71,300	67,800
HMBTUH	136,232	134,913	133,594	132,280	130,966	129,690	128,413	146,221	125,804	124,638	123,473	122,396	121,319	120,242	119,166
WATTS	8,600	8,990	9,380	9,830	10,280	10,785	11,290	17,460	12,430	13,070	13,710	14,420	15,130	15,840	16,550
EER	13.02	12.16	11.38	10.56	9.82	9.09	8.41	5.25	7.12	6.51	5.97	5.43	4.94	4.5	4.1
COP	4.64	4.4	4.17	3.94	3.73	3.52	3.33	2.45	2.97	2.79	2.64	2.49	2.35	2.22	2.11
LV. WTR	75.45	80.4	85.35	90.29	95.24	100.19	105.14	110.85	115.03	119.99	124.94	129.9	134.85	139.81	144.77