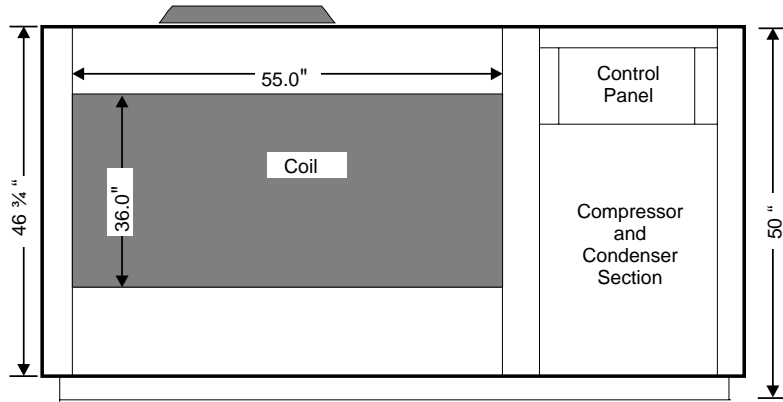
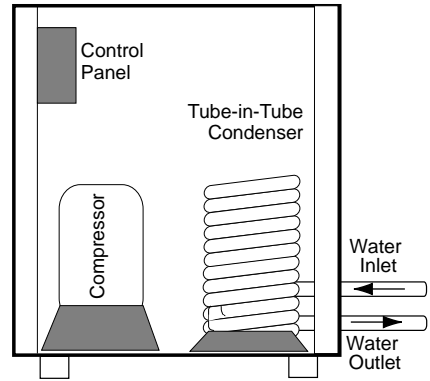


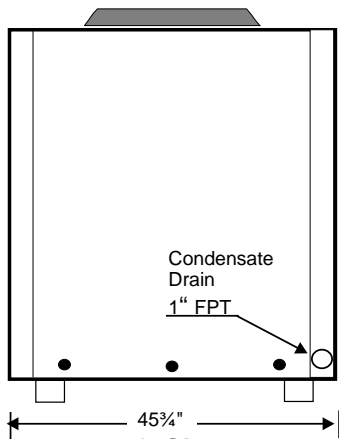
MODEL HPAS 2 SS 307



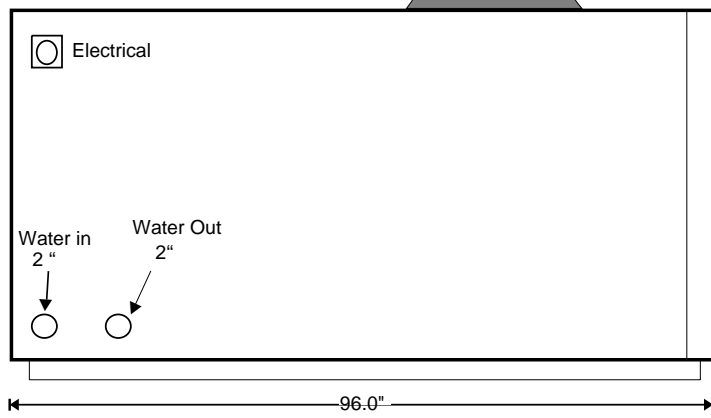
Front View



Right Side



Left Side



Back View

MODEL HPAS 2 SS 307

Heating Capacity	306,600 BTUH
Condenser Water Flow	60 GPM
Pressure Drop (cond.)	5.2 PSI
Entering Water Temp.	100 °F
Leaving Water Temp.	110.2 °F
COP	5.59
Compressors	(1) SM 160 Maneurop Scroll
Voltage	460/60/3Ø
RLA/LRA	30.2/175
Control Voltage	24 Volts
Min. Comp. Circuit Amp.	30

Cooling Capacity	256,000 BTUH
Evaporator Construction	Copper/Aluminum Fin
Cabinet Construction	Galvanized Steel
Entering Wet Bulb Temp.	72.0°F
Water Pump—1.0 HP	460/3/60 - 1.7 Amp
Cooling EER	15.58
Condensers	Double Wall Vented
Construction (Cond.)	Tube-in-Tube
Fan 1 ½ HP	460/3/60 - 1.5 Amp
Refrigerant Type	R-22
Minimum Unit Amperage	60 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 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 2 SS 307													
WB TE,P	ENTERING WATER TEMP. F @ 60 GPM												
72 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	291,600	286,000	280,400	274,500	268,600	262,300	256,000	249,250	242,500	235,450	228,400	220,900	213,400
HMBTUH	328,938	325,267	321,595	317,879	314,164	310,372	306,581	302,629	298,678	294,785	290,892	286,924	282,957
WATTS	12,190	12,755	13,320	13,960	14,600	15,335	16,070	16,890	17,710	18,635	19,560	20,595	21,630
EER	23.92	22.42	21.05	19.66	18.4	17.1	15.93	14.76	13.69	12.63	11.68	10.73	9.87
COP	7.91	7.47	7.07	6.67	6.3	5.93	5.59	5.25	4.94	4.63	4.36	4.08	3.83
LV. WTR	80.97	85.85	90.72	95.6	100.48	105.35	110.22	115.09	119.96	124.83	129.7	134.57	139.44
WB TE,P	ENTERING WATER TEMP. F @ 60 GPM												
67 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	269,000	263,800	258,600	253,050	247,500	241,600	235,700	229,400	223,100	216,500	209,900	202,900	195,900
HMBTUH	306,133	302,862	299,590	296,224	292,859	289,450	286,042	282,540	279,039	275,579	272,119	268,634	265,150
WATTS	12,130	12,695	13,260	13,900	14,540	15,270	16,000	16,820	17,640	18,560	19,480	20,510	21,540
EER	22.18	20.78	19.5	18.21	17.02	15.82	14.73	13.64	12.65	11.66	10.78	9.89	9.09
COP	7.39	6.99	6.62	6.24	5.9	5.55	5.24	4.92	4.63	4.35	4.09	3.84	3.61
LV. WTR	80.21	85.1	89.99	94.88	99.77	104.65	109.54	114.42	119.31	124.19	129.07	133.96	138.84
WB TE,P	ENTERING WATER TEMP. F @ 60 GPM												
62 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	246,400	241,600	236,800	231,600	226,400	220,900	215,400	209,550	203,700	197,550	191,400	184,900	178,400
HMBTUH	283,329	280,457	277,585	274,570	271,554	268,528	265,503	262,452	259,400	256,373	253,346	250,344	247,343
WATTS	12,070	12,635	13,200	13,840	14,480	15,205	15,930	16,750	17,570	18,485	19,400	20,425	21,450
EER	20.41	19.12	17.94	16.73	15.64	14.53	13.52	12.51	11.59	10.69	9.87	9.05	8.32
COP	6.88	6.5	6.16	5.81	5.49	5.17	4.88	4.59	4.33	4.06	3.83	3.59	3.38
LV. WTR	79.45	84.35	89.26	94.16	99.06	103.95	108.85	113.75	118.65	123.55	128.45	133.35	138.25
WB TE,P	ENTERING WATER TEMP. F @ 60 GPM												
57 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	225,200	220,700	216,200	211,400	206,600	201,450	196,300	190,850	185,400	179,700	174,000	167,950	161,900
HMBTUH	261,924	259,335	256,746	254,131	251,515	248,822	246,130	243,478	240,827	238,233	235,639	233,087	230,535
WATTS	12,010	12,570	13,130	13,770	14,410	15,130	15,850	16,670	17,490	18,400	19,310	20,335	21,360
EER	18.75	17.56	16.47	15.35	14.34	13.31	12.38	11.45	10.6	9.77	9.01	8.26	7.58
COP	6.39	6.04	5.73	5.41	5.11	4.82	4.55	4.28	4.03	3.79	3.58	3.36	3.16
LV. WTR	78.73	83.65	88.56	93.47	98.39	103.3	108.21	113.12	118.03	122.94	127.86	132.77	137.69
WB TE,P	ENTERING WATER TEMP. F @ 60 GPM												
52 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	205,200	201,050	196,900	192,400	187,900	183,150	178,400	173,350	168,300	162,950	157,600	152,050	146,500
HMBTUH	241,685	239,446	237,208	234,875	232,542	230,249	227,957	229,101	230,246	224,589	218,932	216,863	214,794
WATTS	11,940	12,500	13,060	13,695	14,330	15,050	15,770	17,585	19,400	19,310	19,220	20,240	21,260
EER	17.19	16.08	15.08	14.05	13.11	12.17	11.31	9.86	8.68	8.44	8.2	7.51	6.89
COP	5.93	5.61	5.32	5.03	4.75	4.48	4.24	3.82	3.48	3.41	3.34	3.14	2.96
LV. WTR	78.06	82.98	87.91	92.83	97.75	102.68	107.6	112.64	117.68	122.49	127.3	132.23	137.16
WB TE,P	ENTERING WATER TEMP. F @ 60 GPM												
47 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	186,600	182,700	178,800	174,650	170,500	166,050	161,600	156,900	152,200	147,300	142,400	137,250	132,100
HMBTUH	222,812	220,823	218,834	216,852	214,869	212,859	210,850	208,931	207,013	205,219	203,424	201,739	200,053
WATTS	11,860	12,420	12,980	13,615	14,250	14,965	15,680	16,495	17,310	18,220	19,130	20,145	21,160
EER	15.73	14.71	13.78	12.83	11.96	11.1	10.31	9.51	8.79	8.08	7.44	6.81	6.24
COP	5.5	5.21	4.94	4.67	4.42	4.17	3.94	3.71	3.5	3.3	3.12	2.93	2.77
LV. WTR	77.43	82.36	87.3	92.23	97.17	102.1	107.03	111.97	116.9	121.84	126.78	131.73	136.67
WB TE,P	ENTERING WATER TEMP. F @ 60 GPM												
42 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130
CMBTUH	169,200	165,550	161,900	158,000	154,100	150,000	145,900	141,550	137,200	132,650	128,100	123,500	118,900
HMBTUH	205,139	203,383	201,627	199,895	198,162	196,502	194,842	193,257	191,671	190,210	188,749	190,716	192,682
WATTS	11,780	12,335	12,890	13,525	14,160	14,875	15,590	16,400	17,210	18,115	19,020	20,065	21,110
EER	14.36	13.42	12.56	11.68	10.88	10.08	9.36	8.63	7.97	7.32	6.74	6.3	5.92
COP	5.1	4.83	4.58	4.33	4.1	3.87	3.66	3.45	3.26	3.08	2.91	2.78	2.67
LV. WTR	76.84	81.78	86.72	91.67	96.61	101.55	106.5	111.44	116.39	121.34	126.29	131.36	136.43