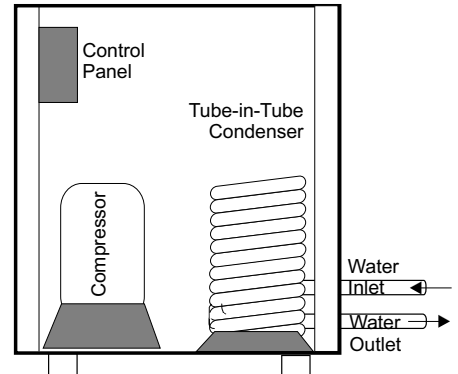
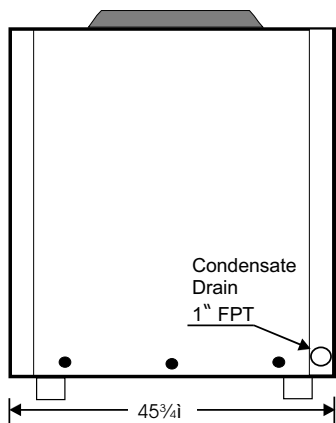


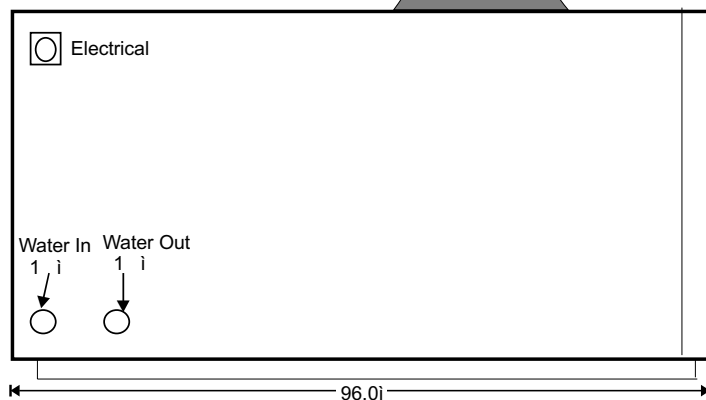
Front View



Right Side



Left Side



Back View

MODEL HPAS 2 SS 270

Heating Capacity	270,400 BTUH
Condenser Water Flow	60 GPM
Pressure Drop (cond.)	5.2 PSI
Entering Water Temp.	100 °F
Leaving Water Temp.	109.2 °F
COP	5.55
Compressors	(1) SM 160 Maneurop Scroll
Voltage	460/60/3Ø
RLA/LRA	26.0/175
Control Voltage	24 Volts
Min. Comp. Circuit Amp.	30

Cooling Capacity	226,000 BTUH
Evaporator Construction	Copper/Aluminum Fin
Cabinet Construction	Galvanize Steel
Entering Wet Bulb Temp.	72.0°F
Water Pump—1.0/ HP	460/3/60 - 1.7 Amp
Cooling EER	15.84
Condensers	Double Wall Vented
Construction (Cond.)	Tube-in-Tube
Fan ¾ HP	460/3/60 - 1.5 Amp
Refrigerant Type	R-22
Minimum Unit Amperage.	40 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
- 304 or 316 Stainless Steel
- TechniCoat 10-1 Evaporator Coated Coil
- Refrigerant Pump Down Solenoid Valves
- Blower
- 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
H H Systems, Inc.

MODEL HPAS 2 SS 270													
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	254,600	250,350	246,100	241,350	236,600	231,300	226,000	220,050	214,100	207,450	200,800	193,600	186,400
HMBTUH	287,843	285,248	282,653	279,746	276,839	273,638	270,437	266,859	263,281	259,259	255,237	250,955	246,674
WATTS	10,990	11,475	11,960	12,500	13,040	13,655	14,270	14,965	15,660	16,430	17,200	18,055	18,910
EER	23.17	21.82	20.58	19.31	18.14	16.94	15.84	14.7	13.67	12.63	11.67	10.72	9.86
COP	7.67	7.28	6.92	6.56	6.22	5.87	5.55	5.22	4.93	4.62	4.35	4.07	3.82
LV. WTR	79.6	84.51	89.43	94.33	99.23	104.12	109.02	113.9	118.78	123.65	128.51	133.37	138.23
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	234,700	230,750	226,800	222,350	217,900	212,900	207,900	202,300	196,700	190,450	184,200	177,350	170,500
HMBTUH	267,738	265,443	263,148	260,559	257,969	255,068	252,167	248,922	245,677	242,055	238,433	234,501	230,569
WATTS	10,930	11,415	11,900	12,445	12,990	13,605	14,220	14,910	15,600	16,370	17,140	17,995	18,850
EER	21.47	20.21	19.06	17.87	16.77	15.65	14.62	13.57	12.61	11.63	10.75	9.86	9.05
COP	7.18	6.81	6.48	6.13	5.82	5.49	5.2	4.89	4.61	4.33	4.08	3.82	3.58
LV. WTR	78.93	83.85	88.78	93.69	98.6	103.51	108.41	113.3	118.19	123.07	127.95	132.82	137.69
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	214,800	211,150	207,500	203,350	199,200	194,500	189,800	184,550	179,300	173,450	167,600	161,100	154,600
HMBTUH	247,633	245,638	243,644	241,371	239,098	236,497	233,896	230,984	228,072	224,850	221,628	218,046	214,464
WATTS	10,870	11,355	11,840	12,390	12,940	13,555	14,170	14,855	15,540	16,310	17,080	17,935	18,790
EER	19.76	18.6	17.53	16.41	15.39	14.35	13.39	12.42	11.54	10.63	9.81	8.98	8.23
COP	6.67	6.34	6.03	5.71	5.41	5.11	4.84	4.56	4.3	4.04	3.8	3.56	3.34
LV. WTR	78.26	83.19	88.12	93.05	97.97	102.89	107.8	112.7	117.61	122.5	127.39	132.27	137.15
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	196,100	192,700	189,300	185,400	181,500	177,150	172,800	167,900	163,000	157,500	152,000	145,850	139,700
HMBTUH	228,728	226,984	225,239	223,216	221,193	218,925	216,657	214,112	211,567	208,695	205,823	202,591	199,359
WATTS	10,810	11,295	11,780	12,330	12,880	13,490	14,100	14,790	15,480	16,250	17,020	17,875	18,730
EER	18.14	17.06	16.07	15.04	14.09	13.13	12.26	11.35	10.53	9.69	8.93	8.16	7.46
COP	6.2	5.89	5.6	5.3	5.03	4.75	4.5	4.24	4	3.76	3.54	3.32	3.12
LV. WTR	77.63	82.57	87.51	92.44	97.38	102.3	107.22	112.14	117.06	121.96	126.86	131.76	136.65
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	178,500	175,350	172,200	168,600	165,000	160,950	156,900	152,250	147,600	142,450	137,300	131,550	125,800
HMBTUH	210,924	209,429	207,934	206,194	204,454	202,503	200,552	198,240	195,928	193,406	190,884	188,052	185,220
WATTS	10,750	11,235	11,720	12,265	12,810	13,425	14,040	14,725	15,410	16,180	16,950	17,805	18,660
EER	16.6	15.61	14.69	13.75	12.88	11.99	11.18	10.34	9.58	8.8	8.1	7.39	6.74
COP	5.75	5.46	5.2	4.93	4.68	4.42	4.19	3.94	3.73	3.5	3.3	3.09	2.91
LV. WTR	77.03	81.98	86.93	91.88	96.82	101.75	106.69	111.61	116.53	121.45	126.37	131.27	136.18
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	162,000	159,100	156,200	152,850	149,500	145,700	141,900	137,600	133,300	128,450	123,600	118,200	112,800
HMBTUH	194,150	192,906	191,661	190,171	188,681	186,980	185,279	183,334	181,389	179,150	176,911	174,429	171,947
WATTS	10,670	11,155	11,640	12,185	12,730	13,345	13,960	14,650	15,340	16,105	16,870	17,725	18,580
EER	15.18	14.26	13.42	12.54	11.74	10.92	10.16	9.39	8.69	7.98	7.33	6.67	6.07
COP	5.33	5.07	4.82	4.57	4.34	4.11	3.89	3.67	3.46	3.26	3.07	2.88	2.71
LV. WTR	76.47	81.43	86.39	91.34	96.29	101.24	106.18	111.11	116.05	120.97	125.9	130.82	135.73
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	146,600	143,950	141,300	138,200	135,100	131,550	128,000	123,950	119,900	115,350	110,800	108,550	106,300
HMBTUH	178,512	177,500	176,488	175,248	174,008	172,557	171,106	169,411	167,716	165,777	163,838	164,574	165,311
WATTS	10,600	11,080	11,560	12,105	12,650	13,265	13,880	14,570	15,260	16,025	16,790	17,665	18,540
EER	13.83	12.99	12.22	11.42	10.68	9.92	9.22	8.51	7.86	7.2	6.6	6.14	5.73
COP	4.93	4.69	4.47	4.24	4.03	3.81	3.61	3.41	3.22	3.03	2.86	2.73	2.61
LV. WTR	75.95	80.92	85.89	90.84	95.8	100.75	105.71	110.65	115.59	120.53	125.46	130.49	135.51