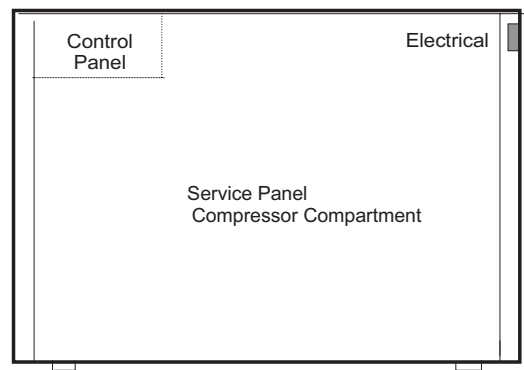
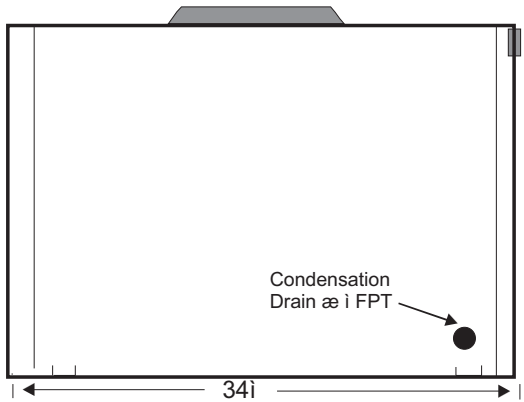


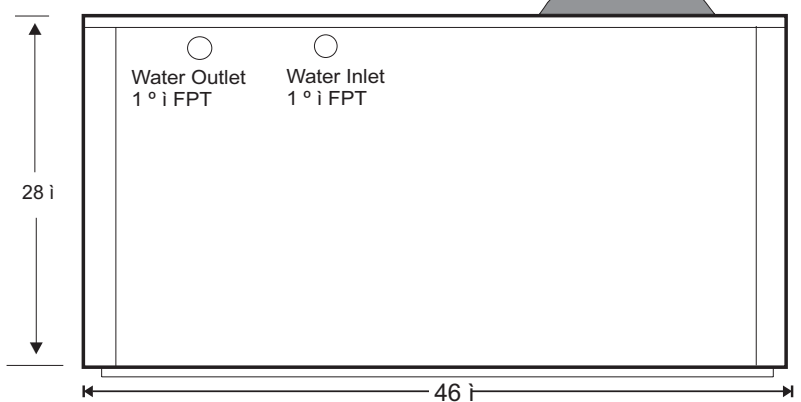
Front View



Right End View



Left End View



Back View

MODEL HPAS 5 SR 65

Heating Capacity	64,600 BTUH	Cooling Capacity	52,500 BTUH
Condenser Water Flow	20 GPM	Evaporator Construction	Copper/Aluminum
Pressure Drop (cond.)	5.2 PSI	Cabinet Construction	Galvanized
Entering Water Temp.	100.0 °F	Entering Wet Bulb Temp.	72.0°F
Leaving Water Temp.	106.46 °F	Water Pump—1/6 HP	230/1.08
COP	4.41	Cooling EER	12.24
Compressors	MTE 50 Reciprocating	Condensers	Double Wall Vented
Voltage	208/230/60/3Ø	Construction	Tube-in-Tube
RLA/LRA	12.3/117	Fan 1/2 HP	230/60/1Ø -- 3.8 amps
Control Voltage	24 Volts	Refrigerant Type	R-134A
Minimum Circuit Amp.	25 compressor	Minimum Unit Amperage.	30 Amp.

STANDARD FEATURES

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

Options

- Painted Galvanize
- 304 or 316 Stainless Steel
- Blower
- Microprocessor Base Controls
- Refrigerant Pump Down Solenoid Valves
- TechniCoat 10-1 Evaporator Coating
- 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 5 SR 65															
WB TEMP. ENTER WATER TEMP. F @ 20 GPM,															
72 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	64,290	62,326	60,363	58,400	56,437	54,473	52,510	50,400	48,290	46,179	44,069	41,959	39,849	37,738	35,628
HMBTUH	73,761	72,234	70,704	69,178	67,649	66,122	64,592	62,892	61,191	59,490	57,789	56,089	54,388	52,687	50,987
WATTS	3,525	3,653	3,780	3,908	4,035	4,163	4,290	4,410	4,530	4,650	4,770	4,890	5,010	5,130	5,250
EER	18.24	17.06	15.97	14.94	13.99	13.09	12.24	11.43	10.66	9.93	9.24	8.58	7.95	7.36	6.79
COP	6.13	5.79	5.48	5.19	4.91	4.65	4.41	4.18	3.96	3.75	3.55	3.36	3.18	3.01	2.85
LV. WTR	77.38	82.23	87.07	91.92	96.77	101.61	106.46	111.29	116.12	120.95	125.78	130.61	135.44	140.27	145.1
WB TEMP. ENTER WATER TEMP. F @ 20 GPM,															
67 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	57,913	56,075	54,237	52,399	50,562	48,724	46,886	44,930	42,975	41,019	39,063	37,107	35,152	33,196	31,240
HMBTUH	67,275	65,833	64,391	62,949	61,511	60,069	58,627	57,029	55,432	53,835	52,237	50,640	49,043	47,445	45,848
WATTS	3,493	3,609	3,725	3,841	3,958	4,074	4,190	4,295	4,400	4,505	4,610	4,715	4,820	4,925	5,030
EER	16.58	15.54	14.56	13.64	12.77	11.96	11.19	10.46	9.77	9.11	8.47	7.87	7.29	6.74	6.21
COP	5.64	5.34	5.06	4.8	4.55	4.32	4.1	3.89	3.69	3.5	3.32	3.15	2.98	2.82	2.67
LV. WTR	76.73	81.59	86.44	91.3	96.15	101.01	105.87	110.71	115.55	120.39	125.23	130.07	134.91	139.75	144.59
WB TEMP. ENTER WATER TEMP. F @ 20 GPM,															
62 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	51,536	49,823	48,111	46,399	44,687	42,974	41,262	39,461	37,660	35,858	34,057	32,256	30,455	28,653	26,852
HMBTUH	60,785	59,431	58,077	56,723	55,370	54,015	52,661	51,168	49,674	48,179	46,685	45,191	43,697	42,203	40,709
WATTS	3,460	3,565	3,670	3,775	3,880	3,985	4,090	4,180	4,270	4,360	4,450	4,540	4,630	4,720	4,810
EER	14.89	13.98	13.11	12.29	11.52	10.78	10.09	9.44	8.82	8.22	7.65	7.1	6.58	6.07	5.58
COP	5.15	4.88	4.64	4.4	4.18	3.97	3.77	3.59	3.41	3.24	3.07	2.92	2.77	2.62	2.48
LV. WTR	76.08	80.95	85.81	90.67	95.54	100.4	105.27	110.12	114.97	119.82	124.67	129.52	134.37	139.22	144.07
WB TEMP. ENTER WATER TEMP. F @ 20 GPM,															
57 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	46,117	44,514	42,910	41,306	39,703	38,099	36,496	34,828	33,161	31,493	29,826	28,159	26,491	24,824	23,157
HMBTUH	55,144	53,866	52,586	51,306	50,027	48,748	47,469	46,067	44,663	43,261	41,857	40,456	39,051	37,650	36,246
WATTS	3,395	3,490	3,585	3,680	3,775	3,870	3,965	4,043	4,120	4,198	4,275	4,353	4,430	4,508	4,585
EER	13.58	12.75	11.97	11.22	10.52	9.84	9.2	8.61	8.05	7.5	6.98	6.47	5.98	5.51	5.05
COP	4.76	4.52	4.3	4.08	3.88	3.69	3.51	3.34	3.18	3.02	2.87	2.72	2.58	2.45	2.32
LV. WTR	75.52	80.39	85.26	90.13	95	99.88	104.75	109.61	114.47	119.33	124.19	129.05	133.91	138.77	143.63
WB TEMP. ENTER WATER TEMP. F @ 20 GPM,															
52 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	40,699	39,204	37,709	36,214	34,719	33,224	31,729	30,196	28,662	27,129	25,595	24,062	22,528	20,995	19,461
HMBTUH	49,505	48,300	47,095	45,890	44,685	43,480	42,275	40,964	39,652	38,341	37,029	35,717	34,405	33,094	31,782
WATTS	3,330	3,415	3,500	3,585	3,670	3,755	3,840	3,905	3,970	4,035	4,100	4,165	4,230	4,295	4,360
EER	12.22	11.48	10.77	10.1	9.46	8.85	8.26	7.73	7.22	6.72	6.24	5.78	5.33	4.89	4.46
COP	4.36	4.14	3.94	3.75	3.57	3.39	3.23	3.07	2.93	2.78	2.65	2.51	2.38	2.26	2.14
LV. WTR	74.95	79.83	84.71	89.59	94.47	99.35	104.23	109.1	113.97	118.84	123.7	128.57	133.44	138.31	143.18
WB TEMP. ENTER WATER TEMP. F @ 20 GPM,															
47 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	36,135	34,734	33,332	31,930	30,529	29,127	27,726	26,307	24,889	23,471	22,053	20,634	19,216	17,798	16,380
HMBTUH	44,650	43,505	42,359	41,213	40,068	38,922	37,777	36,546	35,316	34,085	32,855	31,624	30,394	29,163	27,933
WATTS	3,245	3,320	3,395	3,470	3,545	3,620	3,695	3,750	3,805	3,860	3,915	3,970	4,025	4,080	4,135
EER	11.14	10.46	9.82	9.2	8.61	8.05	7.5	7.02	6.54	6.08	5.63	5.2	4.77	4.36	3.96
COP	4.03	3.84	3.66	3.48	3.31	3.15	3	2.86	2.72	2.59	2.46	2.33	2.21	2.09	1.98
LV. WTR	74.47	79.35	84.24	89.12	94.01	98.89	103.78	108.66	113.53	118.41	123.29	128.16	133.04	137.92	142.79
WB TEMP. ENTER WATER TEMP. F @ 20 GPM,															
42 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	31,572	30,263	28,955	27,647	26,339	25,030	23,722	22,419	21,116	19,813	18,510	17,207	15,904	14,601	13,298
HMBTUH	39,797	38,710	37,624	36,538	35,452	34,365	33,278	32,129	30,980	29,830	28,681	27,531	26,382	25,232	24,083
WATTS	3,160	3,225	3,290	3,355	3,420	3,485	3,550	3,595	3,640	3,685	3,730	3,775	3,820	3,865	3,910
EER	9.99	9.38	8.8	8.24	7.7	7.18	6.68	6.24	5.8	5.38	4.96	4.56	4.16	3.78	3.4
COP	3.69	3.52	3.35	3.19	3.04	2.89	2.75	2.62	2.49	2.37	2.25	2.14	2.02	1.91	1.8
LV. WTR	73.98	78.87	83.76	88.66	93.55	98.44	103.33	108.21	113.1	117.98	122.87	127.75	132.64	137.52	142.41