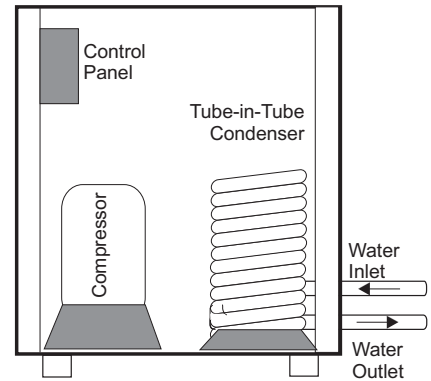
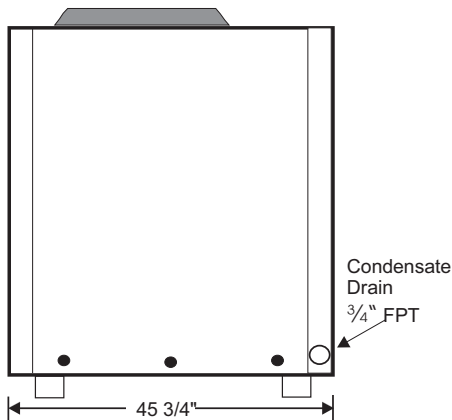


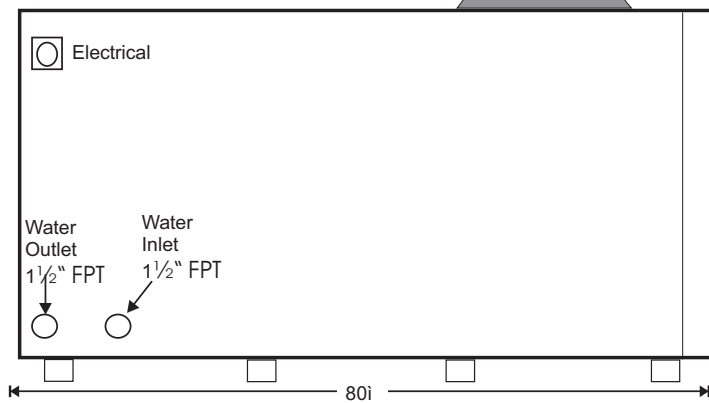
**Front View**



**Right Side**



**Left Side**



**Back View**

**MODEL HPAS 5 SR 129**

Heating Capacity	129,100 BTUH
Condenser Water Flow	340 GPM
Pressure Drop (cond.)	5.2 PSI
Entering Water Temp.	100 °F
Leaving Water Temp.	108.62 °F
COP	4.63
Compressors	(1) MTE 100 Reciprocating
Voltage	208/230/60/3Ø
RLA/LRA	23.1/157
Control Voltage	24 Volts
Minimum Circuit Amp.	30 compressor

Cooling Capacity	105,000 BTUH
Evaporator Construction	Copper/Aluminum Fin
Cabinet Construction	Galvanized
Entering Wet Bulb Temp.	72.0°F
Water Pump—1/3 HP	230/1/2.8
Cooling EER	12.84
Condensers	Double Wall Vented
Construction (Cond.)	Tube-in-Tube
Fan ¼ HP	230/60/3 - 3.2
Refrigerant Type	R-134A
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           | 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 Galvanized Cabinet
- 304 or 316 Stainless Steel Cabinet
- TechniCoat 10-1 Coated Evaporator Coil
- Blower
- Refrigerant Pump Down Solenoid Valve
- 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 129															
WB TEMP.	ENTER WATER TEMP. F @ 30 GPM,														
72 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	128,566	124,640	120,714	116,788	112,863	108,937	105,011	100,791	96,571	92,350	88,130	83,910	79,690	75,469	71,249
HMBTUH	147,559	144,497	141,431	138,368	135,303	132,241	129,175	125,774	122,373	118,971	115,571	112,170	108,769	105,367	101,966
WATTS	6,665	6,918	7,170	7,423	7,675	7,928	8,180	8,420	8,660	8,900	9,140	9,380	9,620	9,860	10,100
EER	19.29	18.02	16.84	15.73	14.71	13.74	12.84	11.97	11.15	10.38	9.64	8.95	8.28	7.65	7.05
COP	6.49	6.12	5.78	5.46	5.17	4.89	4.63	4.38	4.14	3.92	3.7	3.5	3.31	3.13	2.96
LV. WTR	79.84	84.64	89.43	94.23	99.02	103.82	108.62	113.39	118.16	122.93	127.71	132.48	137.25	142.03	146.8
WB TEMP.	ENTER WATER TEMP. F @ 30 GPM,														
67 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	115,814	112,139	108,464	104,789	101,114	97,439	93,764	89,852	85,941	82,030	78,119	74,208	70,297	66,386	62,475
HMBTUH	134,586	131,695	128,805	125,915	123,025	120,135	117,245	114,050	110,856	107,662	104,467	101,273	98,079	94,885	91,690
WATTS	6600	6830	7060	7290	7520	7750	7980	8190	8400	8610	8820	9030	9240	9450	9660
EER	17.55	16.42	15.36	14.37	13.45	12.57	11.75	10.97	10.23	9.53	8.86	8.22	7.61	7.02	6.47
COP	5.97	5.65	5.35	5.06	4.79	4.54	4.3	4.08	3.87	3.66	3.47	3.29	3.11	2.94	2.78
LV. WTR	78.98	83.78	88.59	93.4	98.2	103.01	107.82	112.61	117.39	122.18	126.97	131.75	136.54	141.33	146.12
WB TEMP.	ENTER WATER TEMP. F @ 30 GPM,														
62 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	103,062	99,637	96,213	92,789	89,365	85,940	82,516	78,914	75,312	71,710	68,108	64,506	60,904	57,302	53,700
HMBTUH	121,612	118,897	116,179	113,465	110,747	108,032	105,315	102,327	99,340	96,352	93,364	90,377	87,389	84,401	81,414
WATTS	6,535	6,743	6,950	7,158	7,365	7,573	7,780	7,960	8,140	8,320	8,500	8,680	8,860	9,040	9,220
EER	15.77	14.78	13.84	12.96	12.13	11.35	10.61	9.91	9.25	8.62	8.01	7.43	6.87	6.34	5.82
COP	5.45	5.17	4.9	4.64	4.41	4.18	3.97	3.77	3.58	3.39	3.22	3.05	2.89	2.74	2.59
LV. WTR	78.11	82.93	87.75	92.57	97.39	102.21	107.02	111.82	116.63	121.43	126.23	131.03	135.83	140.63	145.43
WB TEMP.	ENTER WATER TEMP. F @ 30 GPM,														
57 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	92,225	89,018	85,812	82,605	79,398	76,191	72,984	69,650	66,316	62,981	59,647	56,313	52,979	49,644	46,310
HMBTUH	110,341	107,769	105,198	102,626	100,057	97,485	94,913	92,111	89,313	86,510	83,709	80,907	78,109	75,306	72,505
WATTS	6,408	6,594	6,780	6,966	7,153	7,339	7,525	7,681	7,838	7,994	8,150	8,306	8,463	8,619	8,775
EER	14.39	13.5	12.66	11.86	11.1	10.38	9.7	9.07	8.46	7.88	7.32	6.78	6.26	5.76	5.28
COP	5.05	4.79	4.55	4.32	4.1	3.89	3.7	3.51	3.34	3.17	3.01	2.85	2.7	2.56	2.42
LV. WTR	77.36	82.19	87.02	91.84	96.67	101.5	106.33	111.14	115.96	120.77	125.58	130.4	135.21	140.02	144.84
WB TEMP.	ENTER WATER TEMP. F @ 30 GPM,														
52 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	81,389	78,400	75,410	72,421	69,431	66,442	63,452	60,386	57,319	54,253	51,186	48,120	45,053	41,987	38,920
HMBTUH	99,068	96,642	94,216	91,790	89,363	86,937	84,510	81,898	79,282	76,670	74,053	71,441	68,825	66,212	63,596
WATTS	6,280	6,445	6,610	6,775	6,940	7,105	7,270	7,403	7,535	7,668	7,800	7,933	8,065	8,198	8,330
EER	12.96	12.16	11.41	10.69	10	9.35	8.73	8.16	7.61	7.08	6.56	6.07	5.59	5.12	4.67
COP	4.62	4.39	4.18	3.97	3.77	3.59	3.41	3.24	3.08	2.93	2.78	2.64	2.5	2.37	2.24
LV. WTR	76.61	81.45	86.28	91.12	95.96	100.8	105.64	110.46	115.29	120.11	124.94	129.76	134.59	139.42	144.24
WB TEMP.	ENTER WATER TEMP. F @ 30 GPM,														
47 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	72,263	69,460	66,657	63,854	61,052	58,249	55,446	52,610	49,774	46,938	44,102	41,265	38,429	35,593	32,757
HMBTUH	89,321	87,023	84,729	82,434	80,141	77,843	75,549	73,091	70,638	68,181	65,723	63,265	60,811	58,354	55,897
WATTS	6,098	6,246	6,395	6,544	6,693	6,841	6,990	7,101	7,213	7,324	7,435	7,546	7,658	7,769	7,880
EER	11.85	11.12	10.42	9.76	9.12	8.51	7.93	7.41	6.9	6.41	5.93	5.47	5.02	4.58	4.16
COP	4.29	4.08	3.88	3.69	3.51	3.33	3.17	3.02	2.87	2.73	2.59	2.46	2.33	2.2	2.08
LV. WTR	75.96	80.8	85.65	90.5	95.34	100.19	105.04	109.87	114.71	119.55	124.38	129.22	134.06	138.89	143.73
WB TEMP.	ENTER WATER TEMP. F @ 30 GPM,														
42 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	63,136	60,520	57,904	55,288	52,672	50,056	47,440	44,834	42,229	39,623	37,017	34,411	31,806	29,200	26,594
HMBTUH	79,570	77,408	75,242	73,080	70,914	68,752	66,587	64,288	61,990	59,691	57,393	55,094	52,796	50,497	48,198
WATTS	5,915	6,048	6,180	6,313	6,445	6,578	6,710	6,800	6,890	6,980	7,070	7,160	7,250	7,340	7,430
EER	10.67	10.01	9.37	8.76	8.17	7.61	7.07	6.59	6.13	5.68	5.24	4.81	4.39	3.98	3.58
COP	3.94	3.75	3.57	3.39	3.22	3.06	2.91	2.77	2.64	2.51	2.38	2.25	2.13	2.02	1.9
LV. WTR	75.31	80.16	85.02	89.87	94.73	99.59	104.44	109.29	114.13	118.98	123.83	128.67	133.52	138.37	143.21