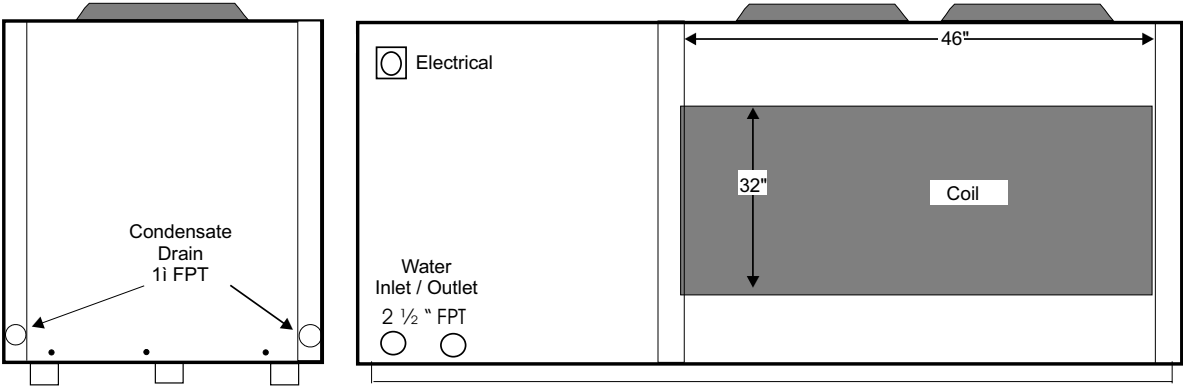


**Front View**

**Right Side**



**Left Side**

**Back View**

**MODEL HPAS 5 DR 325**

Heating Capacity	325,000 BTUH	Cooling Capacity	264,200 BTUH
Condenser Water Flow	80 GPM	Evaporator Construction	Copper/Aluminum
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.	106.5 °F	Water Pump—2 - 3/4 HP	460/3/60 -- 1.7 amp ea.
COP	3.81	Cooling EER	13.00
Compressors	(2) MTZ 125 Reciprocating	Condensers	Double Wall Vented
Voltage	460/60/3Ø	Construction (Cond.)	Tube-in-Tube
RLA/LRA	19.3/105 ea.	Fan 2 - 3/4 HP	460/3/60 -- 1.8 amp ea.
Control Voltage	24 Volts	Refrigerant Type	R-134A
Minimum Circuit Amp.	20 Compressor ea..	Minimum Unit Amperage.	75 Amp.

**STANDARD FEATURES**

**Options**

- |   |                                |  |
|---|--------------------------------|--|
| Liquid Receiver                             | Liquid Line Dryer              | Micro-Processor Based Control System     |
| Compressors Service Valves                  | Thermostatic Expansion Valves  | Painted Galvanize                        |
| Liquid Line Sight Glass                     | Hinged Control Panel           | 304 or 316 Stainless Steel               |
| Insulated Compressor Compartment            | Pre- Wired Mechanical Controls | Blower                                   |
| Compressor Adjustable Time Delay Relay      | Insulated Suction Lines        | Refrigerant Pump Down Solenoid Valves    |
| Single Phase/Voltage Protection             | High Side Pressure Control     | TechniCoat 10-1 Evaporator Coated Coil   |
| Five Year Compressor Warranty/One Yr. Parts | Low Side Pressure Control      | Extended Warty on Parts & Labor -Yr. 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 DR 325															
WB TEMP.	ENTER WATER TEMP. F @ 80 GPM,														
72 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	323,462	313,585	303,708	293,831	283,954	274,077	264,200	253,583	242,965	232,348	221,730	211,113	200,495	189,878	179,260
HMBTUH	371,176	363,483	355,790	348,098	340,405	332,712	325,020	316,450	307,880	299,311	290,741	282,172	273,601	265,032	256,462
WATTS	16,180	17,120	17,760	18,400	19,040	19,680	20,320	20,920	21,520	22,120	22,720	23,320	23,920	24,520	25,120
EER	19.99	18.32	17.1	15.97	14.91	13.93	13	12.12	11.29	10.5	9.76	9.05	8.38	7.74	7.14
COP	5.86	5.37	5.01	4.68	4.37	4.08	3.81	3.55	3.31	3.08	2.86	2.65	2.46	2.27	2.09
LV. WTR	79.28	82.27	87.12	91.96	96.81	101.66	106.5	111.33	116.16	120.99	125.82	130.65	135.47	140.3	145.13
WB TEMP.	ENTER WATER TEMP. F @ 80 GPM,														
67 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	291,378	282,132	272,886	263,640	254,394	245,148	235,902	226,662	216,223	206,383	196,543	186,703	176,864	167,024	157,184
HMBTUH	338,580	331,313	324,047	316,780	309,514	302,247	294,981	286,943	278,903	270,865	262,823	254,786	246,745	238,707	230,666
WATTS	16,030	16,610	17,190	17,770	18,350	18,930	19,510	20,038	20,565	21,093	21,620	22,148	22,675	23,203	23,730
EER	18.18	16.99	15.87	14.84	13.86	12.95	12.09	11.28	10.51	9.78	9.09	8.43	7.8	7.2	6.62
COP	5.33	4.98	4.65	4.35	4.06	3.79	3.54	3.31	3.08	2.87	2.66	2.47	2.29	2.11	1.94
LV. WTR	78.47	83.29	88.1	92.92	97.74	102.56	107.38	112.18	116.98	121.77	126.57	131.37	136.17	140.97	145.77
WB TEMP.	ENTER WATER TEMP. F @ 80 GPM,														
62 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	259,294	250,679	242,064	233,449	224,834	216,219	207,604	198,542	189,480	180,418	171,356	162,294	153,232	144,170	135,108
HMBTUH	305,984	299,144	292,303	285,463	278,623	271,783	264,942	257,433	249,924	242,415	234,906	227,397	219,888	212,379	204,870
WATTS	15,880	16,400	16,920	17,440	17,960	18,480	19,000	19,455	19,910	20,365	20,820	21,275	21,730	22,185	22,640
EER	16.33	15.29	14.31	13.39	12.52	11.7	10.93	10.21	9.52	8.86	8.23	7.63	7.05	6.5	5.97
COP	4.78	4.48	4.19	3.92	3.67	3.43	3.2	2.99	2.79	2.6	2.41	2.24	2.07	1.9	1.75
LV. WTR	77.65	82.48	87.31	92.14	96.97	101.8	106.63	111.44	116.25	121.06	125.88	130.69	135.5	140.31	145.12
WB TEMP.	ENTER WATER TEMP. F @ 80 GPM,														
57 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	232,032	223,963	215,895	207,827	199,759	191,690	183,622	175,234	166,845	158,457	150,068	141,680	133,291	124,903	116,514
HMBTUH	277,596	271,131	264,667	258,203	251,739	245,274	238,810	231,764	224,712	217,666	210,615	203,568	196,517	189,470	182,419
WATTS	15,550	16,020	16,490	16,960	17,430	17,900	18,370	18,763	19,155	19,548	19,940	20,333	20,725	21,118	21,510
EER	14.92	13.98	13.09	12.25	11.46	10.71	10	9.34	8.71	8.11	7.53	6.97	6.43	5.91	5.42
COP	4.37	4.1	3.84	3.59	3.36	3.14	2.93	2.74	2.55	2.38	2.21	2.04	1.88	1.73	1.59
LV. WTR	76.94	81.78	86.62	91.46	96.3	101.13	105.97	110.8	115.62	120.44	125.27	130.09	134.91	139.74	144.56
WB TEMP.	ENTER WATER TEMP. F @ 80 GPM,														
52 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	204,769	197,248	189,726	182,205	174,683	167,162	159,640	151,925	144,210	136,495	128,780	121,065	113,350	105,635	97,920
HMBTUH	249,206	243,119	237,030	230,943	224,854	218,767	212,678	206,089	199,501	192,912	186,323	179,734	173,146	166,557	159,968
WATTS	15,220	15,640	16,060	16,480	16,900	17,320	17,740	18,070	18,400	18,730	19,060	19,390	19,720	20,050	20,380
EER	13.45	12.61	11.81	11.06	10.34	9.65	9	8.41	7.84	7.29	6.76	6.24	5.75	5.27	4.8
COP	3.94	3.7	3.46	3.24	3.03	2.83	2.64	2.46	2.3	2.14	1.98	1.83	1.68	1.54	1.41
LV. WTR	76.23	81.08	85.93	90.78	95.62	100.47	105.32	110.15	114.99	119.82	124.66	129.5	134.33	139.17	144
WB TEMP.	ENTER WATER TEMP. F @ 80 GPM,														
47 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	181,807	174,756	167,704	160,653	153,601	146,550	139,498	132,363	125,227	118,092	110,956	103,821	96,685	89,550	82,414
HMBTUH	224,691	218,930	213,165	207,404	201,639	195,878	190,113	183,927	177,736	171,550	165,359	159,173	152,982	146,796	140,606
WATTS	14,765	15,143	15,520	15,898	16,275	16,653	17,030	17,308	17,585	17,863	18,140	18,418	18,695	18,973	19,250
EER	12.31	11.54	10.81	10.11	9.44	8.8	8.19	7.65	7.12	6.61	6.12	5.64	5.17	4.72	4.28
COP	3.61	3.38	3.17	2.96	2.77	2.58	2.4	2.24	2.09	1.94	1.79	1.65	1.52	1.38	1.25
LV. WTR	75.62	80.48	85.33	90.19	95.04	99.9	104.75	109.6	114.45	119.29	124.14	128.98	133.83	138.67	143.52
WB TEMP.	ENTER WATER TEMP. F @ 80 GPM,														
42 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	158,845	152,264	145,682	139,101	132,519	125,938	119,356	112,800	106,244	99,688	93,132	86,576	80,020	73,464	66,908
HMBTUH	200,176	194,739	189,300	183,862	178,424	172,986	167,548	161,759	155,971	150,183	144,395	138,607	132,819	127,031	121,243
WATTS	14,310	14,645	14,980	15,315	15,650	15,985	16,320	16,545	16,770	16,995	17,220	17,445	17,670	17,895	18,120
EER	11.1	10.4	9.73	9.08	8.47	7.88	7.31	6.82	6.34	5.87	5.41	4.96	4.53	4.11	3.69
COP	3.25	3.05	2.85	2.66	2.48	2.31	2.14	2	1.86	1.72	1.58	1.45	1.33	1.2	1.08
LV. WTR	75.01	79.87	84.73	89.6	94.46	99.33	104.19	109.05	113.9	118.76	123.61	128.47	133.32	138.18	143.03