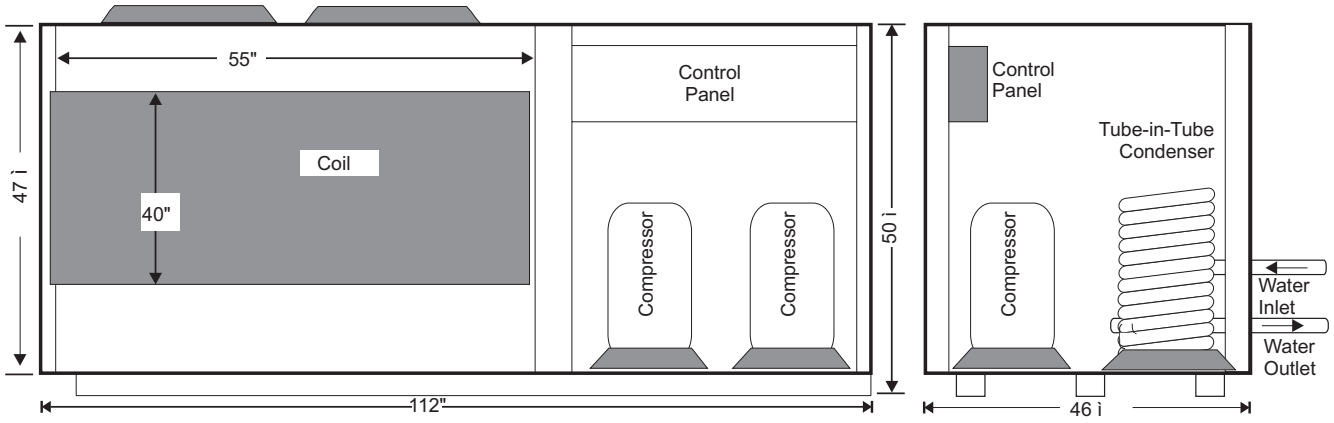
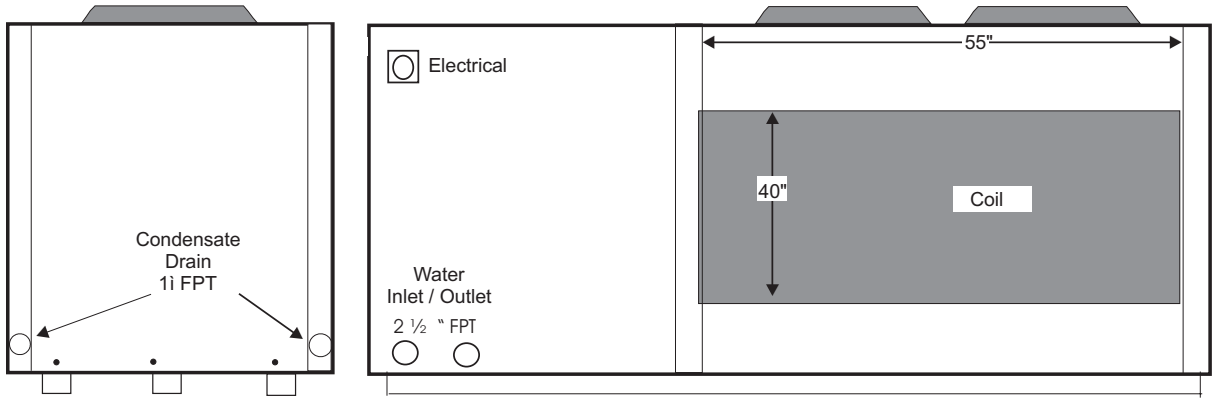


Front View **Right Side**



Left Side **Back View**

MODEL HPAS 5 DR 365

Heating Capacity	364,900 BTUH
Condenser Water Flow	100 GPM
Pressure Drop (cond.)	5.2 PSI
Entering Water Temp.	100 °F
Leaving Water Temp.	107.3 °F
COP	3.86
Compressors	(2) MTZ 144 Reciprocating
Voltage	460/60/3Ø
RLA/LRA	21.4/115
Control Voltage	24 Volts
Minimum Circuit Amp.	30 Compressor

Cooling Capacity	296,600 BTUH
Evaporator Construction	Copper/Aluminum
Cabinet Construction	Galvanized Steel
Entering Wet Bulb Temp.	72.0°F
Water Pump—2 - 1 HP	460/3/60 1.7 Amp
Cooling EER	13.18
Condensers	Double Wall Vented
Construction (Cond.)	Tube-in-Tube
Fan 2 - 1 HP	460/3/60 - 1.8 Amp
Refrigerant Type	R-134A
Minimum Unit Amperage.	75 Amp.

STANDARD FEATURES

Liquid Receiver
Compressors Service Valves
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
Thermostatic Expansion Valves
Pre- Wired Mechanical Controls
Insulated Suction Lines
Minimum Off Time for Compressors
High Side Pressure Control
Low Side Pressure Control

Options

Micro-Processor Based Control System
Painted Galvanize Cabinet
304 or 316 Stainless Steel Cabinet
Blower
Refrigerant Pump Down Solenoid Valves
TechniCoat 10-1 Evaporator Coated Coil
Extended Warranty on Parts & Labor 2-5 yr.

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 365

WB TEMP.					ENTER WATER TEMP. F @ 100 GPM,										
72 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	363,148	352,059	340,970	329,881	318,792	307,703	296,614	284,694	272,773	260,853	248,932	237,012	225,091	213,171	201,250
HMBTUH	416,766	408,118	399,469	390,820	382,171	373,523	364,874	355,258	345,641	336,024	326,407	316,791	307,174	297,557	287,940
WATTS	18,210	18,925	19,640	20,355	21,070	21,785	22,500	23,175	23,850	24,525	25,200	25,875	26,550	27,225	27,900
EER	19.94	18.6	17.36	16.21	15.13	14.12	13.18	12.28	11.44	10.64	9.88	9.16	8.48	7.83	7.21
COP	5.84	5.45	5.09	4.75	4.43	4.14	3.86	3.6	3.35	3.12	2.89	2.68	2.48	2.29	2.11
LV. WTR	78.34	83.17	87.99	92.82	97.65	102.47	107.3	112.11	116.92	121.72	126.53	131.34	136.15	140.95	145.76

WB TEMP.					ENTER WATER TEMP. F @ 100 GPM,										
67 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	327,127	316,746	306,366	295,986	285,606	275,225	264,845	253,798	242,751	231,703	220,656	209,609	198,562	187,514	176,467
HMBTUH	380,131	371,968	363,807	355,645	347,484	339,321	331,160	322,143	313,127	304,110	295,094	286,077	277,061	268,044	259,027
WATTS	18,030	18,680	19,330	19,980	20,630	21,280	21,930	22,525	23,120	23,715	24,310	24,905	25,500	26,095	26,690
EER	18.14	16.96	15.85	14.81	13.84	12.93	12.08	11.27	10.5	9.77	9.08	8.42	7.79	7.19	6.61
COP	5.32	4.97	4.64	4.34	4.06	3.79	3.54	3.3	3.08	2.86	2.66	2.47	2.28	2.11	1.94
LV. WTR	77.61	82.44	87.28	92.12	96.95	101.79	106.63	111.45	116.27	121.08	125.9	130.72	135.54	140.36	145.18

WB TEMP.					ENTER WATER TEMP. F @ 100 GPM,										
62 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	291,105	281,434	271,762	262,091	252,419	242,748	233,076	222,902	212,728	202,554	192,380	182,206	172,032	161,858	151,684
HMBTUH	343,495	335,820	328,145	320,470	312,795	305,121	297,445	289,029	280,613	272,196	263,780	255,364	246,947	238,531	230,115
WATTS	17,850	18,435	19,020	19,605	20,190	20,775	21,360	21,875	22,390	22,905	23,420	23,935	24,450	24,965	25,480
EER	16.31	15.27	14.29	13.37	12.5	11.68	10.91	10.19	9.5	8.84	8.21	7.61	7.04	6.48	5.95
COP	4.78	4.47	4.19	3.92	3.66	3.42	3.2	2.99	2.78	2.59	2.41	2.23	2.06	1.9	1.74
LV. WTR	76.87	81.72	86.57	91.41	96.26	101.1	105.95	110.78	115.61	120.45	125.28	130.11	134.94	139.77	144.6

WB TEMP.					ENTER WATER TEMP. F @ 100 GPM,										
57 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	260,499	251,441	242,383	233,325	224,267	215,209	206,151	196,733	187,316	177,898	168,480	159,062	149,645	140,227	130,809
HMBTUH	311,643	304,387	297,128	289,872	282,612	275,356	268,097	260,198	252,300	244,400	236,501	228,602	220,704	212,804	204,905
WATTS	17,485	18,013	18,540	19,068	19,595	20,123	20,650	21,095	21,540	21,985	22,430	22,875	23,320	23,765	24,210
EER	14.9	13.96	13.07	12.24	11.45	10.69	9.98	9.33	8.7	8.09	7.51	6.95	6.42	5.9	5.4
COP	4.37	4.09	3.83	3.59	3.35	3.13	2.93	2.73	2.55	2.37	2.2	2.04	1.88	1.73	1.58
LV. WTR	76.24	81.09	85.94	90.8	95.65	100.51	105.36	110.21	115.05	119.89	124.73	129.57	134.42	139.26	144.1

WB TEMP.					ENTER WATER TEMP. F @ 100 GPM,										
52 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	229,893	221,449	213,004	204,560	196,115	187,671	179,226	170,565	161,903	153,242	144,580	135,919	127,257	118,596	109,934
HMBTUH	279,791	272,951	266,110	259,270	252,430	245,590	238,749	231,368	223,985	216,604	209,222	201,841	194,459	187,078	179,696
WATTS	17,120	17,590	18,060	18,530	19,000	19,470	19,940	20,315	20,690	21,065	21,440	21,815	22,190	22,565	22,940
EER	13.43	12.59	11.79	11.04	10.32	9.64	8.99	8.4	7.83	7.27	6.74	6.23	5.73	5.26	4.79
COP	3.93	3.69	3.46	3.23	3.02	2.82	2.63	2.46	2.29	2.13	1.98	1.83	1.68	1.54	1.4
LV. WTR	75.6	80.46	85.32	90.19	95.05	99.91	104.78	109.63	114.48	119.33	124.19	129.04	133.89	138.74	143.6

WB TEMP.					ENTER WATER TEMP. F @ 100 GPM,										
47 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	204,114	196,197	188,280	180,363	172,447	164,530	156,613	148,602	140,591	132,580	124,569	116,558	108,547	100,536	92,525
HMBTUH	252,306	245,822	239,338	232,855	226,372	219,889	213,405	206,469	199,534	192,598	185,662	178,726	171,790	164,854	157,918
WATTS	16,620	17,040	17,460	17,880	18,300	18,720	19,140	19,455	19,770	20,085	20,400	20,715	21,030	21,345	21,660
EER	12.28	11.51	10.78	10.09	9.42	8.79	8.18	7.64	7.11	6.6	6.11	5.63	5.16	4.71	4.27
COP	3.6	3.37	3.16	2.96	2.76	2.58	2.4	2.24	2.08	1.93	1.79	1.65	1.51	1.38	1.25
LV. WTR	75.05	79.92	84.79	89.66	94.53	99.4	104.27	109.13	113.99	118.85	123.71	128.58	133.44	138.3	143.16

WB TEMP.					ENTER WATER TEMP. F @ 100 GPM,										
42 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	178,334	170,945	163,556	156,167	148,778	141,389	134,000	126,640	119,279	111,919	104,558	97,198	89,837	82,477	75,116
HMBTUH	224,819	218,693	212,567	206,440	200,314	194,188	188,062	181,572	175,082	168,592	162,101	155,611	149,121	142,631	136,140
WATTS	16,120	16,490	16,860	17,230	17,600	17,970	18,340	18,595	18,850	19,105	19,360	19,615	19,870	20,125	20,380
EER	11.06	10.37	9.7	9.06	8.45	7.87	7.31	6.81	6.33	5.86	5.4	4.96	4.52	4.1	3.69
COP	3.24	3.04	2.84	2.66	2.48	2.31	2.14	2	1.85	1.72	1.58	1.45	1.32	1.2	1.08
LV. WTR	74.5	79.38	84.25	89.13	94.01	98.89	103.76	108.63	113.5	118.37	123.24	128.11	132.98	137.85	142.72