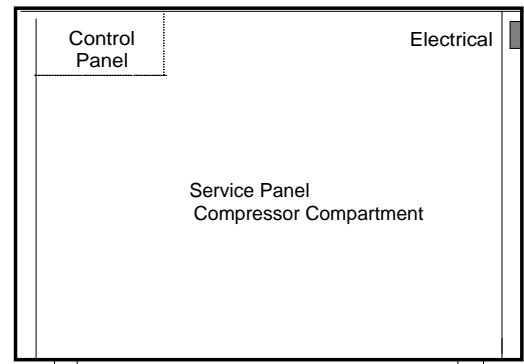
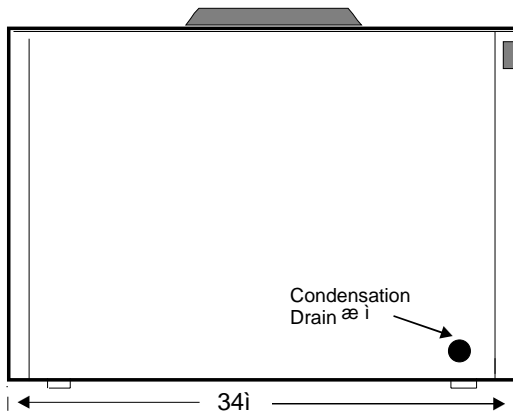


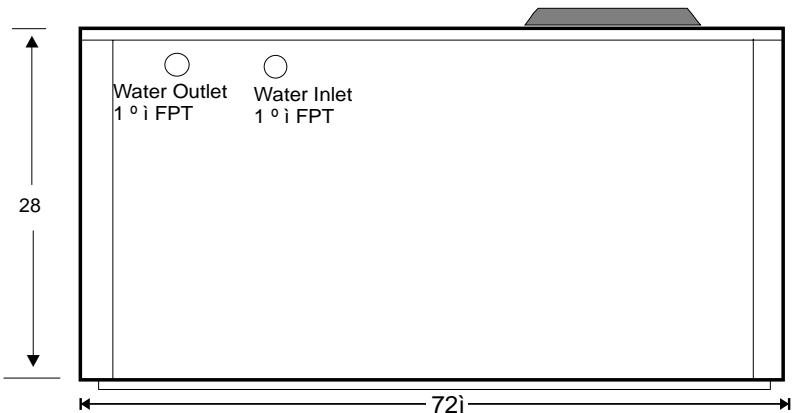
Front View



Right End View



Left End View



Back View

MODEL HPAS 5 SR 81

Heating Capacity	81,200 BTUH
Condenser Water Flow	25 GPM
Pressure Drop (cond)	5.2 PSI
Entering Water Temp.	100.0 °F
Leaving Water Temp.	106.5 °F
COP	4.53
Compressors	MTE 64 Reciprocating
Voltage	208/230/60/3Ø
RLA/LRA	22.1/128
Control Voltage	24 Volts
Minimum Circuit Amp.	20 compressor

Cooling Capacity	66,045 BTUH
Evaporator Construction	Copper/Aluminum
Cabinet Construction	Galvanized
Entering Wet Bulb Temp.	72.0°F
Water Pump—1/6 HP	230/1.08
Cooling EER	12.58
Condensers	Double Wall Vented
Construction	Tube-in-Tube
Fan ¼ HP	230/60/1Ø -- 3.8 amps
Refrigerant Type	R-134A
Minimum Unit Amperage.	30 Amp.

STANDARD FEATURES

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

Options

Painted Galvanize Cabinet
Microprocessor Based Controls
304 or 316 Stainless Steel Cabinet Blower
Refrigerant Pump Down Solenoid Valves
Technocrat 10-1 Evaporator Coated Coil
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
 Environmentally Engineered Equipment, Inc.

MODEL HPAS 5 SR 81															
WB TEMP. ENTER WATER TEMP. F @ 25 GPM,															
72 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	80,859	78,390	75,921	73,452	70,983	68,514	66,045	63,576	61,107	58,638	56,169	53,700	51,231	48,762	46,293
HMBTUH	92,770	90,847	88,925	87,002	85,079	83,156	81,233	79,310	77,387	75,464	73,541	71,618	69,695	67,772	65,849
WATTS	4,290	4,450	4,610	4,770	4,930	5,090	5,250	5,410	5,570	5,730	5,890	6,050	6,210	6,370	6,530
EER	18.85	17.62	16.47	15.4	14.4	13.46	12.58	11.74	10.94	10.19	9.47	8.8	8.15	7.53	6.95
COP	6.34	5.98	5.65	5.34	5.06	4.79	4.53	4.29	4.06	3.85	3.64	3.44	3.26	3.08	2.91
LV. WTR	77.42	82.27	87.12	91.96	96.81	101.66	106.5	111.33	116.16	120.99	125.82	130.64	135.47	140.3	145.13
WB TEMP. ENTER WATER TEMP. F @ 25 GPM,															
67 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	72,839	70,527	68,216	65,905	63,594	61,282	58,971	56,660	54,349	52,038	49,727	47,416	45,105	42,794	40,483
HMBTUH	84,631	82,814	80,998	79,182	77,365	75,548	73,732	71,915	70,098	68,281	66,464	64,647	62,830	61,013	59,196
WATTS	4,255	4,400	4,545	4,690	4,835	4,980	5,125	5,270	5,415	5,560	5,705	5,850	5,995	6,140	6,285
EER	17.12	16.03	15.01	14.05	13.15	12.31	11.51	10.75	10.03	9.35	8.7	8.07	7.48	6.91	6.36
COP	5.83	5.51	5.22	4.95	4.69	4.44	4.22	4	3.79	3.59	3.41	3.23	3.06	2.89	2.73
LV. WTR	76.77	81.63	86.48	91.34	96.19	101.05	105.9	110.74	115.58	120.42	125.26	130.1	134.94	139.77	144.61
WB TEMP. ENTER WATER TEMP. F @ 25 GPM,															
62 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	64,818	62,665	60,511	58,358	56,204	54,051	51,897	49,744	47,591	45,438	43,285	41,132	38,979	36,826	34,673
HMBTUH	76,490	74,781	73,071	71,362	69,651	67,942	66,232	64,522	62,812	61,102	59,392	57,682	55,972	54,262	52,552
WATTS	4,220	4,350	4,480	4,610	4,740	4,870	5,000	5,130	5,260	5,390	5,520	5,650	5,780	5,910	6,040
EER	15.36	14.41	13.51	12.66	11.86	11.1	10.38	9.71	9.07	8.45	7.86	7.29	6.75	6.23	5.72
COP	5.31	5.04	4.78	4.54	4.31	4.09	3.88	3.69	3.5	3.33	3.16	2.99	2.84	2.69	2.54
LV. WTR	76.12	80.98	85.85	90.71	95.57	100.44	105.3	110.15	115	119.85	124.7	129.55	134.4	139.25	144.1
WB TEMP. ENTER WATER TEMP. F @ 25 GPM,															
57 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	58,003	55,986	53,969	51,952	49,936	47,919	45,902	43,885	41,868	39,851	37,834	35,817	33,800	31,783	29,766
HMBTUH	69,385	67,771	66,153	64,539	62,922	61,308	59,691	58,074	56,457	54,840	53,223	51,606	49,989	48,372	46,755
WATTS	4,135	4,253	4,370	4,488	4,605	4,723	4,840	4,958	5,075	5,193	5,310	5,428	5,545	5,663	5,780
EER	14.03	13.16	12.35	11.58	10.84	10.15	9.48	8.87	8.28	7.72	7.17	6.65	6.14	5.65	5.18
COP	4.92	4.67	4.44	4.21	4	3.8	3.61	3.44	3.27	3.11	2.95	2.8	2.65	2.51	2.38
LV. WTR	75.55	80.42	85.29	90.17	95.04	99.91	104.78	109.64	114.49	119.35	124.21	129.07	133.93	138.79	143.65
WB TEMP. ENTER WATER TEMP. F @ 25 GPM,															
52 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	51,187	49,307	47,427	45,547	43,667	41,787	39,907	37,979	36,050	34,122	32,193	30,265	28,336	26,408	24,479
HMBTUH	62,279	60,758	59,236	57,714	56,193	54,671	53,149	51,627	49,956	48,285	46,614	44,943	43,272	41,601	39,930
WATTS	4,050	4,155	4,260	4,365	4,470	4,575	4,680	4,785	4,890	4,995	5,100	5,205	5,310	5,415	5,520
EER	12.64	11.87	11.13	10.43	9.77	9.13	8.53	7.97	7.44	6.92	6.43	5.94	5.48	5.02	4.58
COP	4.51	4.28	4.07	3.87	3.68	3.5	3.33	3.17	3.01	2.87	2.72	2.58	2.45	2.32	2.19
LV. WTR	74.98	79.86	84.74	89.62	94.5	99.38	104.25	109.12	113.99	118.86	123.73	128.59	133.46	138.33	143.2
WB TEMP. ENTER WATER TEMP. F @ 25 GPM,															
47 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	45,448	43,685	41,923	40,160	38,397	36,635	34,872	33,109	31,346	29,583	27,820	26,057	24,294	22,531	20,768
HMBTUH	56,148	54,709	53,271	51,832	50,394	48,956	47,517	45,978	44,439	42,899	41,360	39,821	38,282	36,743	35,204
WATTS	3,935	4,030	4,125	4,220	4,315	4,410	4,505	4,574	4,643	4,711	4,780	4,849	4,918	4,986	5,055
EER	11.55	10.84	10.16	9.52	8.9	8.31	7.74	7.23	6.74	6.27	5.8	5.35	4.91	4.49	4.08
COP	4.18	3.98	3.78	3.6	3.42	3.25	3.09	2.94	2.8	2.67	2.53	2.4	2.28	2.16	2.04
LV. WTR	74.49	79.38	84.26	89.15	94.03	98.92	103.8	108.68	113.56	118.43	123.31	128.18	133.06	137.93	142.81
WB TEMP. ENTER WATER TEMP. F @ 25 GPM,															
42 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	39,709	38,063	36,418	34,773	33,128	31,482	29,837	28,192	26,547	24,902	23,257	21,612	20,003	18,364	16,725
HMBTUH	50,016	48,660	47,305	45,951	44,596	43,240	41,885	40,434	38,982	37,531	36,080	34,628	33,177	31,726	30,275
WATTS	3,820	3,905	3,990	4,075	4,160	4,245	4,330	4,385	4,440	4,495	4,550	4,605	4,660	4,715	4,770
EER	10.4	9.75	9.13	8.53	7.96	7.42	6.89	6.43	5.98	5.54	5.12	4.7	4.29	3.89	3.51
COP	3.84	3.65	3.47	3.3	3.14	2.98	2.83	2.7	2.57	2.45	2.32	2.2	2.09	1.97	1.86
LV. WTR	74	78.89	83.79	88.68	93.57	98.46	103.35	108.24	113.12	118	122.89	127.77	132.66	137.54	142.42