



MODEL HPAS 2 DR 571

Heating Capacity	571,200 BTUH
Condenser Water Flow	120 GPM
Pressure Drop (cond.)	5.2 PSI
Entering Water Temp.	100 °F
Leaving Water Temp.	109.25°F
COP	4.31
Compressors	(2) MTE 160 Reciprocating
Voltage	460/60/3Ø
RLA/LRA	25.7/130 ea.
Control Voltage	24 Volts
Minimum Circuit Amp.	30 Compressor ea.

Cooling Capacity	461,000 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 ea.
Cooling EER	13.25
Condensers	Double Wall Vented
Construction (Cond.)	Tube-in-Tube
Fan 2 - 1 HP	460/3/60 - 1.8 Amp ea.
Refrigerant Type	R-22
Minimum Unit Amperage.	75 Amp.

STANDARD FEATURES

Liquid Receiver	Liquid Line Dryer
Compressors Service Valves	Thermostatic Expansion Valves
Liquid Line Sight Glass	Pre- Wired Mechanical Controls
Insulated Compressor Compartment	Insulated Suction Lines
Compressor Adjustable Time Delay Relay	Minimum Off Time for Compressors
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 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.

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WB TEMP.					ENTER WATER TEMP. F @ 120 GPM,										
72 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130		
CMBTUH	568,045	550,198	532,350	514,503	496,655	478,808	460,960	441,590	422,220	402,850	383,480	364,110	344,740		
HMBTUH	649,820	636,718	623,614	610,511	597,407	584,304	571,200	556,864	542,528	528,192	513,857	499,521	485,185		
WATTS	26,460	27,850	29,240	30,630	32,020	33,410	34,800	36,275	37,750	39,225	40,700	42,175	43,650		
EER	21.47	19.76	18.21	16.8	15.51	14.33	13.25	12.17	11.18	10.27	9.42	8.63	7.9		
COP	7.2	6.7	6.25	5.84	5.47	5.12	4.81	4.5	4.21	3.95	3.7	3.47	3.26		
LV. WTR	80.83	85.62	90.4	95.18	99.96	104.74	109.52	114.28	119.05	123.81	128.57	133.33	138.09		
WB TEMP.					ENTER WATER TEMP. F @ 120 GPM,										
67 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130		
CMBTUH	521,948	505,326	488,705	472,084	455,463	438,841	422,220	404,329	386,438	368,546	350,655	332,764	314,873		
HMBTUH	602,990	590,781	578,569	566,361	554,150	541,941	529,730	516,446	503,163	489,878	476,595	463,311	450,028		
WATTS	26,245	27,538	28,830	30,123	31,415	32,708	34,000	35,350	36,700	38,050	39,400	40,750	42,100		
EER	19.89	18.35	16.95	15.67	14.5	13.42	12.42	11.44	10.53	9.69	8.9	8.17	7.48		
COP	6.73	6.29	5.88	5.51	5.17	4.85	4.56	4.28	4.02	3.77	3.54	3.33	3.13		
LV. WTR	80.05	84.85	89.65	94.44	99.24	104.04	108.83	113.61	118.39	123.17	127.95	132.72	137.5		
WB TEMP.					ENTER WATER TEMP. F @ 120 GPM,										
62 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130		
CMBTUH	475,850	460,455	445,060	429,665	414,270	398,875	383,480	367,068	350,655	334,243	317,830	301,418	285,005		
HMBTUH	556,158	544,841	533,525	522,208	510,892	499,576	488,259	476,028	463,796	451,565	439,333	427,102	414,870		
WATTS	26,030	27,225	28,420	29,615	30,810	32,005	33,200	34,425	35,650	36,875	38,100	39,325	40,550		
EER	18.28	16.91	15.66	14.51	13.45	12.46	11.55	10.66	9.84	9.06	8.34	7.66	7.03		
COP	6.26	5.86	5.5	5.17	4.86	4.57	4.31	4.05	3.81	3.59	3.38	3.18	3		
LV. WTR	79.27	84.08	88.9	93.71	98.52	103.33	108.14	112.94	117.73	122.53	127.33	132.12	136.92		
WB TEMP.					ENTER WATER TEMP. F @ 120 GPM,										
57 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130		
CMBTUH	429,753	415,584	401,415	387,246	373,078	358,909	344,740	329,806	314,873	299,939	285,005	270,071	255,138		
HMBTUH	509,327	498,906	488,481	478,059	467,635	457,214	446,789	435,609	424,430	413,251	402,071	390,891	379,713		
WATTS	25,815	26,913	28,010	29,108	30,205	31,303	32,400	33,500	34,600	35,700	36,800	37,900	39,000		
EER	16.65	15.44	14.33	13.3	12.35	11.47	10.64	9.84	9.1	8.4	7.74	7.13	6.54		
COP	5.78	5.43	5.11	4.81	4.54	4.28	4.04	3.81	3.59	3.39	3.2	3.02	2.85		
LV. WTR	78.49	83.32	88.14	92.97	97.8	102.62	107.45	112.26	117.08	121.89	126.7	131.52	136.33		
WB TEMP.					ENTER WATER TEMP. F @ 120 GPM,										
52 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130		
CMBTUH	383,655	370,713	357,770	344,828	331,885	318,943	306,000	292,545	279,090	265,635	252,180	238,725	225,270		
HMBTUH	462,495	452,966	443,436	433,907	424,377	414,848	405,318	395,191	385,064	374,936	364,809	354,682	344,554		
WATTS	25,600	26,600	27,600	28,600	29,600	30,600	31,600	32,575	33,550	34,525	35,500	36,475	37,450		
EER	14.99	13.94	12.96	12.06	11.21	10.42	9.68	8.98	8.32	7.69	7.1	6.54	6.02		
COP	5.29	4.99	4.71	4.45	4.2	3.97	3.76	3.55	3.36	3.18	3.01	2.85	2.7		
LV. WTR	77.71	82.55	87.39	92.23	97.08	101.92	106.76	111.59	116.42	121.25	126.08	130.91	135.74		
WB TEMP.					ENTER WATER TEMP. F @ 120 GPM,										
47 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130		
CMBTUH	344,463	332,594	320,725	308,856	296,988	285,119	273,250	261,081	248,913	236,744	224,575	212,406	200,238		
HMBTUH	421,938	413,141	404,344	395,546	386,750	377,953	369,155	359,932	350,706	341,482	332,255	323,032	313,806		
WATTS	25,200	26,100	27,000	27,900	28,800	29,700	30,600	31,463	32,325	33,188	34,050	34,913	35,775		
EER	13.67	12.74	11.88	11.07	10.31	9.6	8.93	8.3	7.7	7.13	6.6	6.08	5.6		
COP	4.91	4.64	4.39	4.15	3.93	3.73	3.53	3.35	3.18	3.01	2.86	2.71	2.57		
LV. WTR	77.04	81.89	86.74	91.6	96.45	101.3	106.16	111	115.85	120.69	125.54	130.39	135.23		
WB TEMP.					ENTER WATER TEMP. F @ 120 GPM,										
42 DEG .	70	75	80	85	90	95	100	105	110	115	120	125	130		
CMBTUH	305,270	294,475	283,680	272,885	262,090	251,295	240,500	229,618	218,735	207,853	196,970	186,088	175,205		
HMBTUH	381,380	373,315	365,251	357,186	349,122	341,057	332,992	324,670	316,347	308,025	299,701	291,379	283,056		
WATTS	24,800	25,600	26,400	27,200	28,000	28,800	29,600	30,350	31,100	31,850	32,600	33,350	34,100		
EER	12.31	11.5	10.75	10.03	9.36	8.73	8.13	7.57	7.03	6.53	6.04	5.58	5.14		
COP	4.51	4.27	4.05	3.85	3.65	3.47	3.3	3.13	2.98	2.83	2.69	2.56	2.43		
LV. WTR	76.36	81.22	86.09	90.96	95.82	100.69	105.55	110.41	115.27	120.14	125	129.86	134.72		