

Heating Capacity	2,360,900 BTUH
Condenser Water Flow	400GPM
Pressure Drop (cond.)	5.2 PSI
Entering Water Temp.	100 °F
Leaving Water Temp.	111.81 °F
COP	8.70
Compressors	(8) SZ-185 Maneurop Scroll
Voltage	208/230/60/3Ø
RLA/LRA	43.5/420 ea.
Control Voltage	24 Volts
Minimum Circuit Amp.	50 each compressor

Cooling Capacity

MODEL HPWS 5 DS 2361															
SOURCE															
EWTEMP	ENTER WATER TEMP. F @ 360 GPM,														
95 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	2,371,200	2,330,400	2,289,600	2,241,200	2,192,800	2,136,800	2,080,800	2,025,200	1,969,600	1,909,200	1,848,800	1,783,600	1,718,400	1,653,200	1,588,000
HMBTUH	2,568,062	2,539,276	2,510,489	2,475,605	2,440,720	2,400,830	2,360,939	2,321,448	2,281,958	2,240,534	2,199,110	2,155,754	2,112,397	2,069,040	2,025,683
WATTS	57,680	61,200	64,720	68,680	72,640	77,360	82,080	86,800	91,520	97,080	102,640	109,040	115,440	121,840	128,240
EER	41.11	38.08	35.38	32.63	30.19	27.62	25.35	23.33	21.52	19.67	18.01	16.36	14.89	13.57	12.38
COP	13.04	12.16	11.37	10.56	9.84	9.09	8.43	7.84	7.31	6.76	6.28	5.79	5.36	4.98	4.63
LV. WTR	84.27	89.11	93.95	98.76	103.56	108.34	113.12	117.9	122.68	127.45	132.22	136.98	141.74	146.5	151.26
SOURCE															
EWTEMP	ENTER WATER TEMP. F @ 360 GPM,														
90 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	2,228,800	2,189,600	2,150,400	1,967,600	1,924,000	1,874,400	1,952,800	1,900,000	1,847,200	1,790,000	1,732,800	1,671,200	1,609,600	1,548,000	1,486,400
HMBTUH	2,425,662	2,398,339	2,371,016	2,201,595	2,171,374	2,137,611	2,231,847	2,195,156	2,158,466	2,120,105	2,081,745	2,041,715	2,001,685	1,961,656	1,921,626
WATTS	57,680	61,160	64,640	68,560	72,480	77,120	81,760	86,480	91,200	96,720	102,240	108,560	114,880	121,200	127,520
EER	70	35.8	33.27	28.7	26.55	24.3	23.88	21.97	20.25	18.51	16.95	15.39	14.01	12.77	11.66
COP	12.32	11.49	10.75	9.41	8.78	8.12	8	7.44	6.93	6.42	5.97	5.51	5.11	4.74	4.42
LV. WTR	83.48	88.33	93.18	97.24	102.07	106.88	112.4	117.2	122	126.78	131.57	136.35	141.12	145.9	150.68
SOURCE															
EWTEMP	ENTER WATER TEMP. F @ 360 GPM,														
85 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	2,086,400	2,048,800	2,011,200	1,967,600	1,924,000	1,874,400	1,824,800	1,774,800	1,724,800	1,670,800	1,616,800	1,558,800	1,500,800	1,442,800	1,384,800
HMBTUH	2,283,262	2,257,539	2,231,816	2,201,595	2,171,374	2,137,611	2,103,847	2,069,956	2,036,066	2,000,905	1,965,745	1,929,315	1,892,885	1,856,456	1,820,026
WATTS	57,680	61,160	64,640	68,560	72,480	77,120	81,760	86,480	91,200	96,720	102,240	108,560	114,880	121,200	127,520
EER	36.17	33.5	31.11	28.7	26.55	24.3	22.32	20.52	18.91	17.27	15.81	14.36	13.06	11.9	10.86
COP	11.6	10.82	10.12	9.41	8.78	8.12	7.54	7.01	6.54	6.06	5.63	5.21	4.83	4.49	4.18
LV. WTR	82.69	87.55	92.4	97.24	102.07	106.88	111.69	116.5	121.32	126.12	130.93	135.72	140.52	145.32	150.12
SOURCE															
EWTEMP	ENTER WATER TEMP. F @ 360 GPM,														
80 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	1,944,000	1,908,000	1,872,000	1,830,800	1,789,600	1,743,200	1,696,800	1,649,600	1,602,400	1,551,600	1,500,800	1,446,400	1,392,000	1,337,600	1,283,200
HMBTUH	2,140,862	2,116,603	2,092,343	2,064,386	2,036,428	2,005,591	1,974,755	1,943,664	1,912,573	1,880,477	1,848,380	1,815,277	1,782,174	1,749,071	1,715,968
WATTS	57,680	61,120	64,560	68,440	72,320	76,880	81,440	86,160	90,880	96,360	101,840	108,080	114,320	120,560	126,800
EER	33.7	31.22	29	26.75	24.75	22.67	20.83	19.15	17.63	16.1	14.74	13.38	12.18	11.09	10.12
COP	10.87	10.15	9.5	8.84	8.25	7.64	7.1	6.61	6.17	5.72	5.32	4.92	4.57	4.25	3.97
LV. WTR	81.9	86.76	91.63	96.47	101.32	106.15	110.98	115.8	120.63	125.45	130.27	135.09	139.9	144.72	149.54
SOURCE															
EWTEMP	ENTER WATER TEMP. F @ 360 GPM,														
75 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	1,801,600	1,767,200	1,732,800	1,694,000	1,655,200	1,612,000	1,568,800	1,524,400	1,480,000	1,432,400	1,384,800	1,334,000	1,283,200	1,232,400	1,181,600
HMBTUH	1,998,462	1,975,666	1,952,870	1,927,176	1,901,482	1,873,572	1,845,663	1,817,372	1,789,081	1,760,048	1,731,015	1,701,239	1,671,463	1,641,687	1,611,911
WATTS	57,680	61,080	64,480	68,320	72,160	76,640	81,120	85,840	90,560	96,000	101,440	107,600	113,760	119,920	126,080
EER	31.23	28.93	26.87	24.8	22.94	21.03	19.34	17.76	16.34	14.92	13.65	12.4	11.28	10.28	9.37
COP	10.15	9.48	8.87	8.26	7.72	7.16	6.67	6.2	5.79	5.37	5	4.63	4.3	4.01	3.75
LV. WTR	81.11	85.98	90.85	95.71	100.57	105.41	110.26	115.1	119.94	124.78	129.62	134.46	139.29	144.12	148.96
SOURCE															
EWTEMP	ENTER WATER TEMP. F @ 360 GPM,														
70 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	1,659,200	1,626,400	1,593,600	1,557,200	1,520,800	1,480,800	1,440,800	1,399,200	1,357,600	1,313,200	1,268,800	1,221,600	1,174,400	1,127,200	1,080,000
HMBTUH	1,856,062	1,834,730	1,813,397	1,789,967	1,766,536	1,741,553	1,716,570	1,691,080	1,665,589	1,639,619	1,613,650	1,587,201	1,560,752	1,534,303	1,507,854
WATTS	57,680	61,040	64,400	68,200	72,000	76,400	80,800	85,520	90,240	95,640	101,040	107,120	113,200	119,280	125,360
EER	28.77	26.64	24.75	22.83	21.12	19.38	17.83	16.36	15.04	13.73	12.56	11.4	10.37	9.45	8.62
COP	9.43	8.81	8.25	7.69	7.19	6.68	6.22	5.79	5.41	5.02	4.68	4.34	4.04	3.77	3.52
LV. WTR	80.32	85.2	90.08	94.95	99.82	104.68	109.54	114.4	119.26	124.11	128.97	133.82	138.67	143.53	148.38
SOURCE															
EWTEMP	ENTER WATER TEMP. F @ 230 GPM,														
65 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	1,516,800	1,485,600	1,454,400	1,420,400	1,386,400	1,349,600	1,312,800	1,274,000	1,235,200	1,194,000	1,152,800	1,109,200	1,065,600	1,022,000	978,400
HMBTUH	1,713,662	1,693,656	1,673,651	1,652,347	1,631,044	1,608,715	1,586,386	1,563,695	1,541,005	1,517,962	1,494,919	1,471,524	1,448,129	1,424,734	1,401,339
WATTS	57,680	60,960	64,240	67,960	71,680	75,920	80,160	84,880	89,600	94,920	100,240	106,160	112,080	118,000	123,920
EER	26.3	24.37	22.64	20.9	19.34	17.78	16.38	15.01	13.79	12.58	11.5	10.45	9.51	8.66	7.9
COP	8.7	8.14	7.63	7.12	6.67	6.21	5.8	5.4	5.04	4.69	4.37	4.06	3.79	3.54	3.31
LV. WTR	84.91	89.73	94.56	99.37	104.19	108.99	113.8	118.6	123.41	128.2	133	137.8	142.6	147.39	152.19
SOURCE															
EWTEMP	ENTER WATER TEMP. F @ 230 GPM,														
60 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	1,374,400	1,344,800	1,315,200	1,283,600	1,252,000	1,218,400	1,184,800	1,148,800	1,112,800	1,074,800	1,036,800	996,800	956,800	916,800	876,800
HMBTUH	1,571,262	1,552,720	1,534,178	1,515,138	1,496,098	1,476,696	1,457,294	1,437,403	1,417,513	1,397,533	1,377,554	1,357,486	1,337,418	1,317,350	1,297,282
WATTS	57,680	60,920	64,160	67,840	71,520	75,680	79,840	84,560	89,280	94,560	99,840	105,680	111,520	117,360	123,200
EER	23.83	22.07	20.5	18.92	17.51	16.1	14.84	13.59	12.46	11.37	10.38	9.43	8.58	7.81	7.12
COP	7.98	7.47	7.01	6.54	6.13	5.72	5.35	4.98	4.65	4.33	4.04	3.76	3.51	3.29	3.09
LV. WTR	83.67	88.51	93.35	98.18	103.01	107.85	112.68	117.5	122.33	127.16	131.98	136.81	141.63	146.46	151.29
SOURCE															
EWTEMP	ENTER WATER TEMP. F @ 230 GPM,														
55 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	1,240,000	1,213,200	1,186,400	1,157,200	1,128,000	1,096,800	1,065,600	1,032,400	999,200	964,000	928,800	892,000	855,200	818,400	781,600
HMBTUH	1,436,316	1,420,437	1,404,559	1,387,919	1,371,279	1,354,140	1,337,002	1,319,775	1,302,547	1,285,232	1,267,916	1,250,911	1,233,906	1,216,902	1,199,897

WATTS	57,520	60,720	63,920	67,600	71,280	75,400	79,520	84,200	88,880	94,120	99,360	105,160	110,960	116,760	122,560
EER	21.56	19.98	18.56	17.12	15.82	14.55	13.4	12.26	11.24	10.24	9.35	8.48	7.71	7.01	6.38
COP	7.32	6.85	6.44	6.02	5.64	5.26	4.93	4.59	4.29	4	3.74	3.49	3.26	3.05	2.87
LV. WTR	82.49	87.36	92.22	97.07	101.93	106.78	111.63	116.48	121.33	126.18	131.03	135.88	140.73	145.59	150.44
SOURCE															
EWTEMP					ENTER WATER TEMP. F @ 230 GPM,										
50 DEG	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CMBTUH	1,116,000	1,091,200	1,066,400	1,039,600	1,012,800	984,000	955,200	924,800	894,400	862,000	829,600	796,000	762,400	728,800	695,200
HMBTUH	1,311,770	1,297,755	1,283,740	1,269,363	1,254,986	1,240,248	1,225,510	1,210,809	1,196,109	1,181,457	1,166,804	1,153,000	1,139,195	1,125,391	1,111,586
WATTS	57,360	60,520	63,680	67,320	70,960	75,080	79,200	83,800	88,400	93,600	98,800	104,600	110,400	116,200	122,000
EER	19.46	18.03	16.75	15.44	14.27	13.11	12.06	11.04	10.12	9.21	8.4	7.61	6.91	6.27	5.7
COP	6.7	6.28	5.91	5.52	5.18	4.84	4.53	4.23	3.96	3.7	3.46	3.23	3.02	2.84	2.67
LV. WTR	81.41	86.29	91.17	96.04	100.92	105.79	110.66	115.53	120.41	125.28	130.15	135.03	139.91	144.79	149.67