

M4 HEATING PERFORMANCE DATA (MAXIMUM POWER INPUT AND CAPACITY OUTPUT)

Model			Heating		Outdoor temperature																								
			Series	Base btu	Indoor Conditions DB		70°F (21.1°C)	Capacity	-22°F	-13°F	-4°F	0°F	5°F	10°F	17°F	20°F	25°F	32°F							35°F	40°F	47°F	50°F	57°F
BMM18HHC	M4	18000	70°F (21.1°C)	Capacity	13950	15680	17420	18180	18930	19240	19540	19630	19730	19830	19920	20890	21870	22380	22970										
				% of base btu	77.50%	87.11%	96.78%	101.00%	135.70%	122.70%	112.17%	107.98%	104.23%	103.07%	101.94%	106.42%	110.85%	112.86%	115.31%										
				COP	1.24	1.42	1.66	1.78	1.89	2.05	2.23	2.28	2.34	2.40	2.46	2.94	3.46	3.62	3.83										
				Input (watts)	3290	3240	3080	2990	2940	2750	2570	2520	2470	2420	2370	2080	1850	1810	1760										
BMM27HHC	M4	27000	70°F (21.1°C)	Capacity	17660	19410	21560	22420	23440	25130	26660	27220	27780	28330	28860	33060	37020	38000	38870										
				% of base btu	65.41%	71.89%	79.85%	83.04%	86.81%	93.07%	98.74%	100.81%	102.89%	104.93%	106.89%	122.44%	137.11%	140.74%	143.96%										
				COP	1.15	1.31	1.53	1.64	1.75	1.94	2.13	2.22	2.31	2.39	2.47	2.65	2.86	3.00	3.16										
				Input (watts)	4490	4330	4120	4010	3930	3790	3660	3590	3530	3470	3430	3650	3790	3710	3600										
BMM36HHC	M4	36000	70°F (21.1°C)	Capacity	23470	25800	28660	29920	31150	32880	34600	35290	35970	36660	37330	42750	49250	50500	51710										
				% of base btu	65.19%	71.67%	79.61%	83.11%	86.53%	91.33%	96.11%	98.03%	99.92%	101.83%	103.69%	118.75%	136.81%	140.28%	143.64%										
				COP	1.08	1.26	1.47	1.57	1.68	1.77	1.89	2.02	2.14	2.26	2.39	2.70	3.01	3.16	3.32										
				Input (watts)	6370	6000	5710	5590	5440	5430	5360	5120	4930	4750	4640	4800	4680	4560											
BMM48HHC	M4	48000	70°F (21.1°C)	Capacity	27960	31070	34520	35920	37520	42820	48120	48580	49030	49510	49950	56130	61950	63520	65050										
				% of base btu	58.25%	64.73%	71.92%	74.83%	78.17%	89.21%	100.25%	101.21%	102.15%	103.15%	104.06%	116.94%	129.06%	132.33%	135.52%										
				COP	1.21	1.37	1.60	1.73	1.83	2.00	2.19	2.27	2.34	2.42	2.49	2.87	3.20	3.38	3.53										
				Input (watts)	6800	6630	6310	6100	6010	6260	6430	6280	6130	5990	5880	5740	5680	5510	5400										
BMM55HH	M4	55000	70°F (21.1°C)	Capacity	20218	29421	41022	43510	45717	45738	45754	47098	48441	49682	50872	54121	57935	59239	60832										
				% of base btu	36.76%	53.49%	74.59%	79.11%	83.12%	83.16%	83.19%	85.63%	88.07%	90.33%	92.49%	98.40%	105.34%	107.71%	110.60%										
				COP	1.28	1.54	1.91	1.99	2.06	2.08	2.09	2.16	2.22	2.29	2.36	2.71	3.01	3.17	3.32										
				Input (watts)	4631	5615	6288	6410	6489	6456	6423	6395	6385	6355	6313	5853	5648	5478	5365										

Model			Cooling		Outdoor temperature														
	Series	Base btu	Indoor																
			DB		5°F	17°F	25°F	35°F	47°F	55°F	65°F	75°F	80°F	85°F	95°F	105°F	110°F	115°F	122°F
BMM18HHC	M4	18000	75°F	Capacity	23790	24050	24650	24920	25580	26380	27130	27800	28320	25780	23790	22240	21490	20000	18580
				% of base btu	132.17%	133.61%	136.94%	138.44%	142.11%	146.56%	150.72%	154.44%	157.33%	143.22%	132.17%	123.56%	119.39%	111.11%	103.22%
				COP	3.69	3.63	3.63	3.63	3.62	3.55	3.41	3.35	3.25	3.22	3.20	3.00	2.81	2.52	2.25
BMM27HHC	M4	27000	75°F	Input (watts)	1890	1940	1990	2010	2070	2180	2330	2430	2550	2350	2180	2170	2240	2330	2420
				Capacity	32600	32510	32780	33550	34850	35440	36600	37520	37830	35430	32610	31030	29520	28590	26420
				% of base btu	120.74%	120.41%	121.41%	124.26%	129.07%	131.26%	135.56%	138.96%	140.11%	131.22%	120.78%	114.93%	109.33%	105.89%	97.85%
BMM36HHC	M4	36000	75°F	COP	4.57	4.43	4.33	4.29	4.31	4.17	4.11	3.98	3.89	3.24	2.69	2.56	2.42	2.17	1.93
				Input (watts)	2090	2150	2220	2290	2370	2490	2610	2760	2850	3200	3550	3550	3570	3870	4020
				Capacity	42160	44400	44810	45450	47650	47280	48800	49400	49630	46710	45030	42300	40680	38020	35530
BMM48HHC	M4	48000	75°F	% of base btu	117.11%	123.33%	124.47%	126.25%	132.36%	131.33%	135.56%	137.22%	137.86%	129.75%	125.08%	117.50%	113.00%	105.61%	98.69%
				COP	4.08	4.00	4.02	3.95	3.92	3.76	3.61	3.41	3.24	2.88	2.58	2.43	2.28	1.98	1.66
				Input (watts)	3030	3250	3270	3370	3560	3690	3960	4240	4490	4750	5120	5110	5220	5630	6270
BMM55HH	M4	55000	75°F	Capacity	47140	48900	51130	53610	53410	52540	52930	51750	50830	48520	46080	43960	41670	39330	36210
				% of base btu	98.21%	101.88%	106.52%	111.69%	111.27%	109.46%	110.27%	107.81%	105.90%	101.08%	96.00%	91.58%	86.81%	81.94%	75.44%
				COP	5.01	5.06	5.06	5.07	4.97	4.67	4.37	4.13	3.83	3.40	2.89	2.76	2.60	2.28	2.01
BMM55HH	M4	55000	75°F	Input (watts)	2760	2830	2960	3100	3150	3300	3550	3670	3890	4180	4680	4670	4700	5050	5290
				Capacity	61550	63896	62334	61754	63332	63459	63245	62891	61933	58171	54817	52904	50013	46341	41442
				% of base btu	111.91%	116.17%	113.33%	112.28%	115.15%	115.38%	114.99%	114.35%	112.61%	105.77%	99.67%	96.19%	90.93%	84.26%	75.35%
BMM55HH	M4	55000	75°F	COP	4.54	4.51	4.43	4.46	4.46	4.23	4.00	3.83	3.56	3.15	2.76	2.54	2.37	2.14	
				Input (watts)	3972	4152	4120	4058	4166	4393	4629	4816	5105	5408	5824	5799	5762	5740	5675