



EXTENDED RATINGS

Cooling Performance

FXE24HP230V1R32AH / FXU24HP230V1R32AO

FXE36HP230V1R32AH / FXU36HP230V1R32AO

FXE48HP230V1R32AH / FXU48HP230V1R32AO

FXE60HP230V1R32AH / FXU60HP230V1R32AO

Heating Performance

FXE24HP230V1R32AH / FXU24HP230V1R32AO

FXE36HP230V1R32AH / FXU36HP230V1R32AO

FXE48HP230V1R32AH / FXU48HP230V1R32AO

FXE60HP230V1R32AH / FXU60HP230V1R32AO

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Please go through this Extended Ratings to design
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EXTENDED RATINGS

FXE24HP230V1R32AH / FXU24HP230V1R32AO

COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)		Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)
MAX OUTPUT*	-20°F																				
	-15°F																				
	-10°F																				
	-5°F																				
	0°F																				
	5°F	21120	14361.6	68.00%	5.98	1035	22560	15566	69.00%	6.12	1079.61	24000	16800	70.00%	6.32	1113	26400	18744	71.00%	6.56	1179.78
	10°F	21120	14361.6	68.00%	5.81	1065	22560	15566	69.00%	5.95	1110.46	24000	16800	70.00%	6.14	1145	26400	18744	71.00%	6.38	1213.49
	15°F	21120	14572.8	69.00%	5.66	1094	22560	15792	70.00%	5.79	1141.3	24000	17040	71.00%	5.98	1177	26400	19008	72.00%	6.20	1247.2
	20°F	21120	14784	70.00%	5.51	1124	22560	16018	71.00%	5.64	1172.15	24000	17280	72.00%	5.82	1208	26400	19272	73.00%	6.04	1280.9
	25°F	21120	14784	70.00%	5.37	1153	22560	16018	71.00%	5.50	1202.99	24000	17280	72.00%	5.67	1240	26400	19272	73.00%	5.89	1314.61
	30°F	21120	14784	70.00%	5.23	1183	22560	16018	71.00%	5.36	1233.84	24000	17280	72.00%	5.53	1272	26400	19272	73.00%	5.74	1348.32
	35°F	21120	14995.2	71.00%	5.10	1213	22560	16243	72.00%	5.23	1264.69	24000	17520	73.00%	5.39	1304	26400	19536	74.00%	5.60	1382.03
	40°F	21120	14995.2	71.00%	4.98	1242	22560	16243	72.00%	5.10	1295.53	24000	17520	73.00%	5.27	1336	26400	19536	74.00%	5.47	1415.74
	45°F	21120	15206.4	72.00%	4.87	1272	22560	16469	73.00%	4.98	1326.38	24000	17760	74.00%	5.14	1367	26400	19800	75.00%	5.34	1449.44
	50°F	21120	15206.4	72.00%	4.76	1301	22560	16469	73.00%	4.87	1357.22	24000	17760	74.00%	5.03	1399	26400	19800	75.00%	5.22	1483.15
	55°F	21120	15206.4	72.00%	4.65	1331	22560	16469	73.00%	4.76	1388.07	24000	17760	74.00%	4.92	1431	26400	19800	75.00%	5.10	1516.86
	60°F	21120	15417.6	73.00%	4.55	1360	22560	16694	74.00%	4.66	1418.92	24000	18000	75.00%	4.81	1463	26400	20064	76.00%	4.99	1550.57
	65°F	21120	15417.6	73.00%	4.45	1390	22560	16694	74.00%	4.56	1449.76	24000	18000	75.00%	4.71	1495	26400	20064	76.00%	4.88	1584.28
	70°F	21120	15628.8	74.00%	4.36	1420	22560	16920	75.00%	4.47	1480.61	24000	18240	76.00%	4.61	1526	26400	20328	77.00%	4.78	1617.98
	75°F	21120	15629	74.00%	4.27	1449	22560	16920	75.00%	4.37	1511.45	24000	18240	76.00%	4.51	1558	26400	20328	77.00%	4.68	1651.69
80°F	21120	15628.8	74.00%	4.19	1479	22560	16920	75.00%	4.29	1542.3	24000	18240	76.00%	4.42	1590	26400	20328	77.00%	4.59	1685.4	
85°F	21120	15628.8	74.00%	3.82	1621	22560	16920	75.00%	3.91	1691.03	24000	18240	76.00%	4.03	1743	26400	20328	77.00%	4.19	1847.93	
90°F	21120	15840	75.00%	3.51	1764	22560	17146	76.00%	3.59	1839.77	24000	18480	77.00%	3.71	1897	26400	20592	78.00%	3.85	2010.47	
95°F	21120	15840	75.00%	3.25	1907	22560	17146	76.00%	3.33	1988.5	24000	18480	77.00%	3.43	2050	26400	20592	78.00%	3.56	2173	
100°F	21120	15840	75.00%	3.15	1964	22560	17146	76.00%	3.23	2048.16	24000	18480	77.00%	3.33	2112	26400	20592	78.00%	3.46	2238.19	
105°F	21120	16051.2	76.00%	3.06	2021	22560	17371	77.00%	3.14	2107.81	24000	18720	78.00%	3.24	2173	26400	20856	79.00%	3.36	2303.38	
110°F	21120	16051.2	76.00%	3.01	2059	22560	17371	77.00%	3.08	2147.58	24000	18720	78.00%	3.18	2214	26400	20856	79.00%	3.30	2346.84	
115°F	20275.2	15611.9	77.00%	2.69	2212	21657.6	16893	78.00%	2.75	2306.66	23040	18201.6	79.00%	2.84	2378	25344	20275.2	80.00%	2.95	2520.68	
120°F	19641.6	15124	77.00%	2.54	2269	20980.8	16365	78.00%	2.60	2366.32	22320	17632.8	79.00%	2.68	2440	24552	19641.6	80.00%	2.78	2585.87	
125°F	18796.8	14661.5	78.00%	2.31	2383	20078.4	15862	79.00%	2.37	2485.63	21360	17088	80.00%	2.44	2563	23496	19031.8	81.00%	2.54	2716.25	
129°F	17952	14002.6	78.00%	2.12	2478	19176	15149	79.00%	2.17	2585.05	20400	16320	80.00%	2.24	2665	22440	18176.4	81.00%	2.33	2824.9	

*Maximum Output values are not based on AHRI test conditions

- LEGEND:** W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance

HEATING PERFORMANCE											
Outdoor Ambient Temperature			Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)
MAX OUTPUT*	DB	WB									
	-22°F	-22.5°F	18000	1.49	3550	17640	1.43	3621	17287	1.39	3657
	-20°F	-20.5°F	19500	1.53	3740	19110	1.47	3815	18728	1.42	3852
	-15°F	-16°F	21000	1.57	3930	20580	1.50	4009	20168	1.46	4048
	-10°F	-11°F	22500	1.60	4120	22050	1.54	4202	21609	1.49	4244
	-5°F	-6°F	24000	1.63	4310	23520	1.57	4396	23050	1.52	4439
	0°F	-1°F	24000	1.71	4105	23520	1.65	4187	23050	1.60	4228
	5°F	3°F	24000	1.80	3900	23520	1.73	3978	23050	1.68	4017
	10°F	8°F	24000	1.90	3694	23520	1.83	3768	23050	1.78	3805
	15°F	13°F	24000	2.02	3489	23520	1.94	3559	23050	1.88	3594
	17°F	15°F	24000	2.14	3283	23520	2.06	3349	23050	2.00	3382
	20°F	17°F	24000	2.29	3078	23520	2.20	3139	23050	2.13	3170
	25°F	22°F	24000	2.45	2872	23520	2.35	2930	23050	2.28	2958
	30°F	27°F	24000	2.64	2667	23520	2.53	2720	23050	2.46	2747
	35°F	33°F	24000	2.86	2461	23520	2.75	2510	23050	2.66	2535
	40°F	36°F	24000	3.12	2256	23520	3.00	2301	23050	2.91	2323
	45°F	41°F	24000	3.43	2050	23520	3.30	2091	23050	3.20	2112
	47°F	43°F	24000	3.52	2000	23520	3.38	2040	23050	3.28	2060
	50°F	46°F	25200	3.77	1960	24696	3.62	1999	24202	3.51	2019
	55°F	50°F	26400	4.03	1920	25872	3.87	1958	25355	3.76	1978
60°F	55°F	27000	4.30	1840	26460	4.13	1877	25931	4.01	1895	
65°F	60°F	27000	4.50	1760	26460	4.32	1795	25931	4.19	1813	
70°F	64°F	27000	4.71	1680	26460	4.53	1714	25931	4.39	1730	
75°F	69°F	27000	4.95	1600	26460	4.75	1632	25931	4.61	1648	
80°F	74°F										
86°F	80°F										

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

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COP - Coefficient of Performance

COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)		Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)
MAX OUTPUT*	-20°F																				
	-15°F																				
	-10°F																				
	-5°F																				
	0°F																				
	5°F	31680	21542.4	68.00%	5.97	1556	33840	23350	69.00%	6.11	1622.81	36000	25200	70.00%	6.31	1673	39600	28116	71.00%	6.54	1773.38
	10°F	31680	21542.4	68.00%	5.80	1600	33840	23350	69.00%	5.94	1669.18	36000	25200	70.00%	6.13	1721	39600	28116	71.00%	6.36	1824.05
	15°F	31680	21542.4	68.00%	5.64	1645	33840	23350	69.00%	5.78	1715.54	36000	25200	70.00%	5.97	1769	39600	28116	71.00%	6.19	1874.72
	20°F	31680	21542.4	68.00%	5.50	1689	33840	23350	69.00%	5.63	1761.91	36000	25200	70.00%	5.81	1816	39600	28116	71.00%	6.03	1925.38
	25°F	31680	21542.4	68.00%	5.36	1734	33840	23350	69.00%	5.48	1808.27	36000	25200	70.00%	5.66	1864	39600	28116	71.00%	5.87	1976.05
	30°F	31680	21542.4	68.00%	5.22	1778	33840	23350	69.00%	5.35	1854.64	36000	25200	70.00%	5.52	1912	39600	28116	71.00%	5.73	2026.72
	35°F	31680	21542.4	68.00%	5.09	1823	33840	23350	69.00%	5.22	1901.01	36000	25200	70.00%	5.38	1960	39600	28116	71.00%	5.59	2077.39
	40°F	31680	21542.4	68.00%	4.97	1867	33840	23350	69.00%	5.09	1947.37	36000	25200	70.00%	5.26	2008	39600	28116	71.00%	5.45	2128.06
	45°F	31680	21542.4	68.00%	4.86	1912	33840	23350	69.00%	4.97	1993.74	36000	25200	70.00%	5.13	2055	39600	28116	71.00%	5.33	2178.72
	50°F	31680	22176	70.00%	4.75	1956	33840	24026	71.00%	4.86	2040.1	36000	25920	72.00%	5.02	2103	39600	28908	73.00%	5.21	2229.39
	55°F	31680	22176	70.00%	4.64	2000	33840	24026	71.00%	4.75	2086.47	36000	25920	72.00%	4.91	2151	39600	28908	73.00%	5.09	2280.06
	60°F	31680	22492.8	71.00%	4.54	2045	33840	24365	72.00%	4.65	2132.84	36000	26280	73.00%	4.80	2199	39600	29304	74.00%	4.98	2330.73
	65°F	31680	22492.8	71.00%	4.44	2089	33840	24365	72.00%	4.55	2179.2	36000	26280	73.00%	4.70	2247	39600	29304	74.00%	4.87	2381.4
	70°F	31680	22809.6	72.00%	4.35	2134	33840	24703	73.00%	4.46	2225.57	36000	26640	74.00%	4.60	2294	39600	29700	75.00%	4.77	2432.06
	75°F	31680	22810	72.00%	4.26	2178	33840	24703	73.00%	4.37	2271.93	36000	26640	74.00%	4.50	2342	39600	29700	75.00%	4.67	2482.73
	80°F	31680	22809.6	72.00%	4.18	2223	33840	24703	73.00%	4.28	2318.3	36000	26640	74.00%	4.41	2390	39600	29700	75.00%	4.58	2533.4
	85°F	31093.3	22387.2	72.00%	3.79	2406	33213.3	24246	73.00%	3.88	2509.07	35333.3	26146.7	74.00%	4.00	2587	38866.7	29150	75.00%	4.15	2741.87
	90°F	30506.7	22269.9	73.00%	3.45	2589	32586.7	24114	74.00%	3.54	2699.83	34666.7	26000	75.00%	3.65	2783	38133.3	28981.3	76.00%	3.79	2950.33
95°F	29920	21841.6	73.00%	3.16	2771	31960	23650	74.00%	3.24	2890.6	34000	25500	75.00%	3.34	2980	37400	28424	76.00%	3.47	3158.8	
100°F	29920	21841.6	73.00%	3.07	2855	31960	23650	74.00%	3.15	2977.32	34000	25500	75.00%	3.25	3069	37400	28424	76.00%	3.37	3253.56	
105°F	29920	22140.8	74.00%	2.99	2938	31960	23970	75.00%	3.06	3064.04	34000	25840	76.00%	3.15	3159	37400	28798	77.00%	3.27	3348.33	
110°F	28723.2	21255.2	74.00%	2.81	2993	30681.6	23011	75.00%	2.88	3121.85	32640	24806.4	76.00%	2.97	3218	35904	27646.1	77.00%	3.08	3411.5	
115°F	27526.4	20644.8	75.00%	2.51	3215	29403.2	22346	76.00%	2.57	3353.1	31280	24085.6	77.00%	2.65	3457	34408	26838.2	78.00%	2.75	3664.21	
120°F	25432	19074	75.00%	2.26	3298	27166	20646	76.00%	2.31	3439.81	28900	22253	77.00%	2.39	3546	31790	24796.2	78.00%	2.48	3758.97	
125°F	23636.8	17964	76.00%	2.00	3464	25248.4	19441	77.00%	2.05	3613.25	26860	20950.8	78.00%	2.11	3725	29546	23341.3	79.00%	2.19	3948.5	
129°F	21542.4	16372.2	76.00%	1.75	3603	23011.2	17719	77.00%	1.79	3757.78	24480	19094.4	78.00%	1.85	3874	26928	21273.1	79.00%	1.92	4106.44	

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
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HEATING PERFORMANCE											
Outdoor Ambient Temperature			Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)
MAX OUTPUT*	DB	WB									
	-22°F	-22.5°F	20400	1.31	4550	19992	1.26	4641	19592	1.23	4687
	-20°F	-20.5°F	22325	1.41	4638	21879	1.36	4731	21441	1.32	4778
	-15°F	-16°F	24250	1.50	4727	23765	1.44	4821	23290	1.40	4869
	-10°F	-11°F	26175	1.59	4815	25652	1.53	4912	25139	1.49	4960
	-5°F	-6°F	28101	1.68	4904	27539	1.61	5002	26988	1.57	5051
	0°F	-1°F	30039	1.72	5112	29438	1.52	5668	28849	1.48	5724
	5°F	3°F	32300	1.80	5260	31654	1.73	5365	31021	1.68	5418
	10°F	8°F	34000	1.99	5006	33320	1.91	5106	32654	1.86	5156
	15°F	13°F	34000	2.10	4751	33320	2.02	4846	32654	1.96	4894
	17°F	15°F	34000	2.22	4497	33320	2.13	4587	32654	2.07	4632
	20°F	17°F	34000	2.35	4242	33320	2.26	4327	32654	2.19	4369
	25°F	22°F	34000	2.50	3988	33320	2.40	4068	32654	2.33	4107
	30°F	27°F	34000	2.67	3733	33320	2.56	3808	32654	2.49	3845
	35°F	33°F	34000	2.86	3479	33320	2.75	3548	32654	2.67	3583
	40°F	36°F	34000	3.09	3224	33320	2.97	3289	32654	2.88	3321
	45°F	41°F	34000	3.36	2970	33320	3.22	3029	32654	3.13	3059
	47°F	43°F	34000	3.30	3020	33320	3.17	3080	32654	3.08	3111
	50°F	46°F	34340	3.40	2960	33653	3.27	3019	32980	3.17	3048
	55°F	50°F	34680	3.51	2899	33986	3.37	2957	33307	3.27	2986
60°F	55°F	35020	3.69	2778	34320	3.55	2834	33633	3.44	2862	
65°F	60°F	35360	3.90	2658	34653	3.75	2711	33960	3.64	2737	
70°F	64°F	35700	4.12	2537	34986	3.96	2588	34286	3.85	2613	
75°F	69°F	36040	4.37	2416	35319.2	4.20	2464.32	34613	4.08	2488	
80°F	74°F										
86°F	80°F										

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance

COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)		Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)
MAX OUTPUT*	-20°F																				
	-15°F																				
	-10°F																				
	-5°F																				
	0°F																				
	5°F	41800	28424	68.00%	5.27	2324	44650	30809	69.00%	5.40	2424.03	47500	33250	70.00%	5.57	2499	52250	37097.5	71.00%	5.78	2648.94
	10°F	42240	28723.2	68.00%	5.18	2390	45120	31133	69.00%	5.30	2493.29	48000	33600	70.00%	5.47	2570	52800	37488	71.00%	5.68	2724.62
	15°F	42680	29022.4	68.00%	5.09	2457	45590	31457	69.00%	5.21	2562.55	48500	33950	70.00%	5.38	2642	53350	37878.5	71.00%	5.58	2800.31
	20°F	43120	29321.6	68.00%	5.01	2523	46060	31781	69.00%	5.13	2631.8	49000	34300	70.00%	5.29	2713	53900	38269	71.00%	5.49	2875.99
	25°F	43560	29620.8	68.00%	4.93	2590	46530	32106	69.00%	5.05	2701.06	49500	34650	70.00%	5.21	2785	54450	38659.5	71.00%	5.41	2951.68
	30°F	44000	29920	68.00%	4.86	2656	47000	32430	69.00%	4.97	2770.32	50000	35000	70.00%	5.13	2856	55000	39050	71.00%	5.32	3027.36
	35°F	44000	29920	68.00%	4.74	2722	47000	32430	69.00%	4.85	2839.58	50000	35000	70.00%	5.01	2927	55000	39050	71.00%	5.19	3103.04
	40°F	44000	29920	68.00%	4.62	2789	47000	32430	69.00%	4.74	2908.84	50000	35000	70.00%	4.89	2999	55000	39050	71.00%	5.07	3178.73
	45°F	44000	29920	68.00%	4.52	2855	47000	32430	69.00%	4.63	2978.09	50000	35000	70.00%	4.77	3070	55000	39050	71.00%	4.95	3254.41
	50°F	44000	30800	70.00%	4.41	2922	47000	33370	71.00%	4.52	3047.35	50000	36000	72.00%	4.66	3142	55000	40150	73.00%	4.84	3330.1
	55°F	44000	30800	70.00%	4.32	2988	47000	33370	71.00%	4.42	3116.61	50000	36000	72.00%	4.56	3213	55000	40150	73.00%	4.73	3405.78
	60°F	44000	31240	71.00%	4.22	3054	47000	33840	72.00%	4.32	3185.87	50000	36500	73.00%	4.46	3284	55000	40700	74.00%	4.63	3481.46
	65°F	44000	31240	71.00%	4.13	3121	47000	33840	72.00%	4.23	3255.13	50000	36500	73.00%	4.37	3356	55000	40700	74.00%	4.53	3557.15
	70°F	44000	31680	72.00%	4.05	3187	47000	34310	73.00%	4.14	3324.38	50000	37000	74.00%	4.28	3427	55000	41250	75.00%	4.44	3632.83
	75°F	44000	31680	72.00%	3.96	3254	47000	34310	73.00%	4.06	3393.64	50000	37000	74.00%	4.19	3499	55000	41250	75.00%	4.35	3708.52
	80°F	44000	31680	72.00%	3.88	3320	47000	34310	73.00%	3.98	3462.9	50000	37000	74.00%	4.10	3570	55000	41250	75.00%	4.26	3784.2
85°F	43413.3	31257.6	72.00%	3.63	3506	46373.3	33853	73.00%	3.72	3656.9	49333.3	36506.7	74.00%	3.84	3770	54266.7	40700	75.00%	3.98	3996.2	
90°F	42826.7	31263.5	73.00%	3.40	3692	45746.7	33853	74.00%	3.48	3850.9	48666.7	36500	75.00%	3.59	3970	53533.3	40685.3	76.00%	3.73	4208.2	
95°F	42240	30835.2	73.00%	3.19	3878	45120	33389	74.00%	3.27	4044.9	48000	36000	75.00%	3.37	4170	52800	40128	76.00%	3.50	4420.2	
100°F	42240	30835.2	73.00%	3.10	3994	45120	33389	74.00%	3.17	4166.25	48000	36000	75.00%	3.28	4295	52800	40128	76.00%	3.40	4552.81	
105°F	42240	31257.6	74.00%	3.01	4111	45120	33840	75.00%	3.08	4287.59	48000	36480	76.00%	3.18	4420	52800	40656	77.00%	3.30	4685.41	
110°F	41817.6	30945	74.00%	2.93	4188	44668.8	33502	75.00%	3.00	4368.49	47520	36115.2	76.00%	3.09	4504	52272	40249.4	77.00%	3.21	4773.82	
115°F	40128	30096	75.00%	2.61	4499	42864	32577	76.00%	2.68	4692.08	45600	35112	77.00%	2.76	4837	50160	39124.8	78.00%	2.87	5127.43	
120°F	38438.4	28828.8	75.00%	2.44	4615	41059.2	31205	76.00%	2.50	4813.43	43680	33633.6	77.00%	2.58	4962	48048	37477.4	78.00%	2.68	5260.04	
125°F	36748.8	27929.1	76.00%	2.22	4848	39254.4	30226	77.00%	2.28	5056.13	41760	32572.8	78.00%	2.35	5213	45936	36289.4	79.00%	2.44	5525.25	
129°F	33792	25681.9	76.00%	1.96	5042	36096	27794	77.00%	2.01	5258.37	38400	29952	78.00%	2.08	5421	42240	33369.6	79.00%	2.15	5746.26	

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance

HEATING PERFORMANCE											
Outdoor Ambient Temperature			Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)
MAX OUTPUT*	DB	WB									
	-22°F	-22.5°F	26200	1.27	6060	25676	1.22	6181	25162	1.18	6242
	-20°F	-20.5°F	29438	1.38	6245	28849	1.33	6369	28272	1.29	6432
	-15°F	-16°F	32675	1.49	6429	32022	1.43	6558	31381	1.39	6622
	-10°F	-11°F	35913	1.59	6614	35194	1.53	6746	34490	1.48	6812
	-5°F	-6°F	39150	1.69	6798	38367	1.62	6934	37600	1.57	7002
	0°F	-1°F	41850	1.73	7103	41013	1.66	7245	40193	1.61	7316
	5°F	3°F	45000	1.80	7320	44100	1.73	7466	43218	1.68	7540
	10°F	8°F	48000	2.01	6990	47040	1.93	7130	46099	1.88	7200
	15°F	13°F	48000	2.11	6660	47040	2.03	6793	46099	1.97	6860
	17°F	15°F	48000	2.22	6330	47040	2.14	6457	46099	2.07	6520
	20°F	17°F	48000	2.34	6000	47040	2.25	6120	46099	2.19	6180
	25°F	22°F	48000	2.48	5670	47040	2.38	5783	46099	2.31	5840
	30°F	27°F	48000	2.63	5340	47040	2.53	5447	46099	2.46	5500
	35°F	33°F	48000	2.81	5010	47040	2.70	5110	46099	2.62	5160
	40°F	36°F	48000	3.01	4680	47040	2.89	4774	46099	2.80	4820
	45°F	41°F	48000	3.23	4350	47040	3.11	4437	46099	3.02	4481
47°F	43°F	48000	3.30	4260	47040	3.17	4345	46099	3.08	4388	
50°F	46°F	48480	3.40	4175	47510	3.27	4258	46560	3.17	4300	
55°F	50°F	48960	3.51	4090	47981	3.37	4171	47021	3.27	4212	
60°F	55°F	49440	3.70	3919	48451	3.55	3998	47482	3.45	4037	
65°F	60°F	49920	3.90	3749	48922	3.75	3824	47943	3.64	3861	
70°F	64°F	50400	4.13	3578	49392	3.97	3650	48404	3.85	3686	
75°F	69°F	50880	4.38	3408	49862.4	4.20	3476.16	48865	4.08	3510	
80°F	74°F										
86°F	80°F										

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance

COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)		Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)
MAX OUTPUT*	-20°F																				
	-15°F																				
	-10°F																				
	-5°F																				
	0°F																				
	5°F	46816	31834.9	68.00%	5.07	2708	50008	34506	69.00%	5.19	2824.64	53200	37240	70.00%	5.35	2912	58520	41549.2	71.00%	5.56	3086.72
	10°F	47308.8	32170	68.00%	4.98	2786	50534.4	34869	69.00%	5.10	2905.34	53760	37632	70.00%	5.26	2995	59136	41986.6	71.00%	5.46	3174.91
	15°F	47801.6	32505.1	68.00%	4.89	2863	51060.8	35232	69.00%	5.01	2986.05	54320	38024	70.00%	5.17	3078	59752	42423.9	71.00%	5.37	3263.1
	20°F	48294.4	32840.2	68.00%	4.81	2940	51587.2	35595	69.00%	4.93	3066.75	54880	38416	70.00%	5.09	3162	60368	42861.3	71.00%	5.28	3351.3
	25°F	48787.2	33175.3	68.00%	4.74	3018	52113.6	35958	69.00%	4.85	3147.46	55440	38808	70.00%	5.01	3245	60984	43298.6	71.00%	5.20	3439.49
	30°F	49280	33510.4	68.00%	4.67	3095	52640	36322	69.00%	4.78	3228.16	56000	39200	70.00%	4.93	3328	61600	43736	71.00%	5.12	3527.68
	35°F	49280	33510.4	68.00%	4.55	3172	52640	36322	69.00%	4.66	3308.86	56000	39200	70.00%	4.81	3411	61600	43736	71.00%	4.99	3615.87
	40°F	49280	33510.4	68.00%	4.44	3250	52640	36322	69.00%	4.55	3389.57	56000	39200	70.00%	4.70	3494	61600	43736	71.00%	4.87	3704.06
	45°F	49280	33510.4	68.00%	4.34	3327	52640	36322	69.00%	4.45	3470.27	56000	39200	70.00%	4.59	3578	61600	43736	71.00%	4.76	3792.26
	50°F	49280	34496	70.00%	4.24	3405	52640	37374	71.00%	4.34	3550.98	56000	40320	72.00%	4.48	3661	61600	44968	73.00%	4.65	3880.45
	55°F	49280	34496	70.00%	4.15	3482	52640	37374	71.00%	4.25	3631.68	56000	40320	72.00%	4.38	3744	61600	44968	73.00%	4.55	3968.64
	60°F	49280	34988.8	71.00%	4.06	3559	52640	37901	72.00%	4.16	3712.38	56000	40880	73.00%	4.29	3827	61600	45584	74.00%	4.45	4056.83
	65°F	49280	34988.8	71.00%	3.97	3637	52640	37901	72.00%	4.07	3793.09	56000	40880	73.00%	4.20	3910	61600	45584	74.00%	4.36	4145.02
	70°F	49280	35481.6	72.00%	3.89	3714	52640	38427	73.00%	3.98	3873.79	56000	41440	74.00%	4.11	3994	61600	46200	75.00%	4.26	4233.22
	75°F	49280	35482	72.00%	3.81	3791	52640	38427	73.00%	3.90	3954.5	56000	41440	74.00%	4.03	4077	61600	46200	75.00%	4.18	4321.41
80°F	49280	35481.6	72.00%	3.73	3869	52640	38427	73.00%	3.82	4035.2	56000	41440	74.00%	3.95	4160	61600	46200	75.00%	4.09	4409.6	
85°F	48693.3	35059.2	72.00%	3.48	4101	52013.3	37970	73.00%	3.56	4277.7	55333.3	40946.7	74.00%	3.68	4410	60866.7	45650	75.00%	3.82	4674.6	
90°F	48106.7	35117.9	73.00%	3.25	4334	51386.7	38026	74.00%	3.33	4520.2	54666.7	41000	75.00%	3.44	4660	60133.3	45701.3	76.00%	3.57	4939.6	
95°F	47520	34689.6	73.00%	3.05	4566	50760	37562	74.00%	3.12	4762.7	54000	40500	75.00%	3.22	4910	59400	45144	76.00%	3.34	5204.6	
100°F	47520	34689.6	73.00%	2.96	4703	50760	37562	74.00%	3.03	4905.58	54000	40500	75.00%	3.13	5057	59400	45144	76.00%	3.25	5360.74	
105°F	47520	35164.8	74.00%	2.88	4840	50760	38070	75.00%	2.95	5048.46	54000	41040	76.00%	3.04	5205	59400	45738	77.00%	3.16	5516.88	
110°F	45619.2	33758.2	74.00%	2.71	4932	48729.6	36547	75.00%	2.78	5143.72	51840	39398.4	76.00%	2.87	5303	57024	43908.5	77.00%	2.97	5620.97	
115°F	43718.4	32788.8	75.00%	2.42	5297	46699.2	35491	76.00%	2.48	5524.73	49680	38253.6	77.00%	2.56	5696	54648	42625.4	78.00%	2.65	6037.34	
120°F	40392	30294	75.00%	2.18	5434	43146	32791	76.00%	2.23	5667.61	45900	35343	77.00%	2.30	5843	50490	39382.2	78.00%	2.39	6193.47	
125°F	37540.8	28531	76.00%	1.93	5708	40100.4	30877	77.00%	1.97	5953.38	42660	33274.8	78.00%	2.04	6138	46926	37071.5	79.00%	2.11	6505.75	
129°F	34214.4	26002.9	76.00%	1.69	5936	36547.2	28141	77.00%	1.73	6191.51	38880	30326.4	78.00%	1.79	6383	42768	33786.7	79.00%	1.85	6765.98	

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LEGEND: W - Watts
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 COP - Coefficient of Performance

HEATING PERFORMANCE											
Outdoor Ambient Temperature			Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)
MAX OUTPUT*	DB	WB									
	-22°F	-22.5°F	27000	1.27	6240	26460	1.22	6365	25931	1.18	6427
	-20°F	-20.5°F	30150	1.39	6363	29547	1.33	6490	28956	1.29	6554
	-15°F	-16°F	33300	1.50	6486	32634	1.45	6616	31981	1.40	6681
	-10°F	-11°F	36450	1.62	6609	35721	1.55	6741	35007	1.51	6807
	-5°F	-6°F	39600	1.72	6732	38808	1.66	6867	38032	1.61	6934
	0°F	-1°F	42300	1.75	7075	41454	1.49	8161	40625	1.44	8241
	5°F	3°F	45000	1.80	7320	44100	1.54	8410	43218	1.49	8493
	10°F	8°F	45900	1.91	7051	44982	1.64	8031	44082	1.59	8110
	15°F	13°F	46980	2.03	6782	46040	1.76	7652	45120	1.71	7727
	17°F	15°F	48060	2.16	6513	47099	1.90	7273	46157	1.84	7344
	20°F	17°F	49140	2.31	6244	48157	2.05	6894	47194	1.99	6961
	25°F	22°F	50220	2.46	5976	49216	2.21	6515	48231	2.15	6579
	30°F	27°F	51300	2.63	5707	50274	2.40	6135	49269	2.33	6196
	35°F	33°F	52380	2.82	5438	51332	2.61	5756	50306	2.54	5813
	40°F	36°F	53460	3.03	5169	52391	2.86	5377	51343	2.77	5430
	45°F	41°F	54000	3.23	4900	52920	3.10	4998	51862	3.01	5047
	47°F	43°F	54000	3.30	4800	52920	3.17	4896	51862	3.07	4944
	50°F	46°F	54540	3.40	4704	53449	3.26	4798	52380	3.17	4845
	55°F	50°F	55080	3.50	4608	53978	3.37	4700	52899	3.27	4746
60°F	55°F	55620	3.69	4416	54508	3.55	4504	53417	3.44	4548	
65°F	60°F	56160	3.90	4224	55037	3.74	4308	53936	3.63	4351	
70°F	64°F	56700	4.12	4032	55566	3.96	4113	54455	3.84	4153	
75°F	69°F	57240	4.37	3840	56095.2	4.20	3916.8	54973	4.07	3955	
80°F	74°F										
86°F	80°F										

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

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