

# 5 | PART LOAD CAPACITY CHART

## MSZ-GL09NA MUZ-GL09NA 1) COOLING

Rated  
Q(Btu/h): 9000  
W: 585

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C					67°F / 19.4°C					63°F / 17.2°C				
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%
115	46.1	Q(Btu/h)	11020	8280	8290	5570	- 3320	10430	7700	7850	5270	- 3140	9800	7020	7380	4960	- 2960
		W	1240	670	930	650	- 400	1170	650	880	600	- 360	1120	620	840	590	- 360
110	43.3	Q(Btu/h)	11510	8640	8660	5830	- 3470	10890	8040	8200	5510	- 3280	10240	7360	7710	5190	- 3090
		W	1200	660	910	630	- 390	1140	640	860	580	- 350	1090	610	820	570	- 350
105	40.6	Q(Btu/h)	11990	9000	9020	6060	- 3610	11350	8370	8540	5730	- 3410	10670	7700	8030	5390	- 3210
		W	1170	650	880	600	- 370	1110	620	830	550	- 330	1060	600	790	540	- 330
100	37.8	Q(Btu/h)	12450	9340	9370	6290	- 3750	11780	8690	8870	5950	- 3540	11070	8080	8340	5600	- 3330
		W	1140	630	870	600	- 370	1080	600	820	550	- 330	1030	580	780	540	- 330
95	35.0	Q(Btu/h)	12890	9680	9700	6520	- 3900	12200	9000	9180	6170	- 3680	11470	8460	8630	5810	- 3460
		W	1110	610	840	590	- 370	1050	585	790	540	- 330	1000	560	750	530	- 330
90	32.2	Q(Btu/h)	13410	10000	10090	6780	- 4040	12690	9360	9550	6410	- 3820	11930	8780	8980	6030	- 3600
		W	1070	590	810	550	- 330	1010	560	760	500	- 300	960	540	730	490	- 300
85	29.4	Q(Btu/h)	13930	10310	10480	7040	- 4200	13180	9720	9920	6660	- 3970	12390	9090	9320	6270	- 3740
		W	1030	570	770	550	- 330	970	540	730	500	- 300	930	520	700	490	- 300
80	26.7	Q(Btu/h)	14440	10670	10870	7320	- 4360	13670	10080	10290	6920	- 4120	12850	9450	9670	6510	- 3880
		W	980	550	740	510	- 310	930	520	700	470	- 280	890	500	670	460	- 280
75	23.9	Q(Btu/h)	14950	11030	11250	7560	- 4510	14150	10440	10650	7150	- 4260	13300	9810	10010	6730	- 4010
		W	930	520	700	480	- 290	880	490	660	440	- 260	840	470	630	430	- 260
70	21.1	Q(Btu/h)	15470	11410	11640	7810	- 4660	14640	10800	11020	7390	- 4400	13760	10150	10360	6960	- 4140
		W	890	500	670	470	- 290	840	470	630	430	- 260	800	450	600	420	- 260
65	18.3	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
60	15.6	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
55	12.8	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
50	10.0	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
45	7.2	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
40	4.4	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
35	1.7	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
30	-1.1	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
25	-3.9	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
20	-6.7	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
15	-9.4	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300

\* It may not reach the above capacities in low ambient temperatures.

**MSZ-GL09NA**  
**MUZ-GL09NA**  
**2) HEATING**

**Rated**  
 Q(Btu/h): 10900  
 W: 720

Indoor D.B.			78.8°F / 26.0°C					70°F / 21.1°C					59°F / 15.0°C							
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	18260	13620	13740	9210	- 5210	19000	14170	14300	9590	- 5420	19740	14720	14860	9970	- 5630			
		W	1640	820	1240	830	- 470	1560	780	1180	790	- 450	1480	740	1120	750	- 430			
60	15.6	Q(Btu/h)	17350	12880	13050	8760	- 4960	18100	13440	13620	9140	- 5170	18850	14000	14190	9520	- 5380			
		W	1580	810	1190	800	- 450	1500	770	1130	760	- 430	1420	730	1070	720	- 410			
55	12.8	Q(Btu/h)	16430	12130	12360	8290	- 4700	17200	12700	12940	8680	- 4920	17970	13270	13520	9070	- 5140			
		W	1520	800	1140	760	- 420	1440	760	1080	720	- 400	1360	720	1020	680	- 380			
50	10.0	Q(Btu/h)	15800	11390	11890	7980	- 4510	16600	11970	12490	8380	- 4740	17400	12550	13090	8780	- 4970			
		W	1450	790	1100	740	- 410	1380	750	1040	700	- 390	1310	710	980	660	- 370			
45	7.2	Q(Btu/h)	15170	10650	11420	7660	- 4330	16000	11230	12040	8080	- 4570	16830	11810	12660	8500	- 4810			
		W	1390	770	1040	700	- 390	1320	730	990	660	- 370	1250	690	940	620	- 350			
43	6.1	Q(Btu/h)	15060	10320	11320	7600	- 4310	15900	10900	11960	8030	- 4550	16740	11480	12600	8460	- 4790			
		W	1320	760	990	660	- 380	1250	720	940	630	- 360	1180	680	890	600	- 340			
40	4.4	Q(Btu/h)	13890	9860	10450	7010	- 3970	14700	10440	11060	7420	- 4200	15510	11020	11670	7830	- 4430			
		W	1300	750	970	640	- 370	1230	710	920	610	- 350	1160	670	870	580	- 330			
35	1.7	Q(Btu/h)	12710	9080	9560	6410	- 3620	13500	9650	10160	6810	- 3850	14290	10220	10760	7210	- 4080			
		W	1260	720	950	640	- 370	1200	680	900	610	- 350	1140	640	850	580	- 330			
30	-1.1	Q(Btu/h)	11810	8360	8890	5960	- 3380	12600	8920	9480	6360	- 3600	13390	9480	10070	6760	- 3820			
		W	1200	680	910	610	- 340	1140	650	860	580	- 320	1080	620	810	550	- 300			
25	-3.9	Q(Btu/h)	10920	7630	8210	5510	- 3130	11700	8180	8800	5910	- 3350	12480	8730	9390	6310	- 3570			
		W	1140	650	860	580	- 330	1080	620	820	550	- 310	1020	590	780	520	- 290			
20	-6.7	Q(Btu/h)	10010	6900	7540	5050	- 2860	10800	7440	8130	5450	- 3080	11590	7980	8720	5850	- 3300			
		W	1090	600	810	540	- 310	1030	570	770	510	- 290	970	540	730	480	- 270			
15	-9.4	Q(Btu/h)	9100	6160	6850	4590	- 2600	9900	6700	7450	5000	- 2830	10700	7240	8050	5410	- 3060			
		W	1020	550	770	520	- 290	970	520	730	490	- 280	920	490	690	460	- 270			
10	-12.2	Q(Btu/h)	8120	5390	6100	4100	- 2320	8950	5940	6730	4520	- 2560	9780	6490	7360	4940	- 2800			
		W	960	500	730	480	- 260	910	470	690	460	- 250	860	440	650	440	- 240			
5	-15.0	Q(Btu/h)	7130	4610	5360	3600	- 2030	8000	5180	6020	4040	- 2280	8870	5750	6680	4480	- 2530			
		W	900	430	670	450	- 250	850	410	640	430	- 240	800	390	610	410	- 230			
0	-17.8	Q(Btu/h)	6250	3620	4700	3150	- 1780	7200	4170	5420	3630	- 2050	8150	4720	6140	4110	- 2320			
		W	820	370	620	420	- 240	780	350	590	400	- 230	740	330	560	380	- 220			
-4	-20.0	Q(Btu/h)	5400	2660	4070	2730	- 1540	6400	3150	4820	3230	- 1820	7400	3640	5570	3730	- 2100			
		W	740	310	560	370	- 210	700	290	530	350	- 200	660	270	500	330	- 190			

\* Above data is for heating operation without any frost.

**MSZ-GL09NA**  
**MUZ-GL09NAH**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 9000  
 W: 585

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C					67°F / 19.4°C					63°F / 17.2°C						
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%
115	46.1	Q(Btu/h)	11020	8280	8290	5570	- 3320	10430	7700	7850	5270	- 3140	9800	7020	7380	4960	- 2960		
		W	1240	670	930	650	- 400	1170	650	880	600	- 360	1120	620	840	590	- 360		
110	43.3	Q(Btu/h)	11510	8640	8660	5830	- 3470	10890	8040	8200	5510	- 3280	10240	7360	7710	5190	- 3090		
		W	1200	660	910	630	- 390	1140	640	860	580	- 350	1090	610	820	570	- 350		
105	40.6	Q(Btu/h)	11990	9000	9020	6060	- 3610	11350	8370	8540	5730	- 3410	10670	7700	8030	5390	- 3210		
		W	1170	650	880	600	- 370	1110	620	830	550	- 330	1060	600	790	540	- 330		
100	37.8	Q(Btu/h)	12450	9340	9370	6290	- 3750	11780	8690	8870	5950	- 3540	11070	8080	8340	5600	- 3330		
		W	1140	630	870	600	- 370	1080	600	820	550	- 330	1030	580	780	540	- 330		
95	35.0	Q(Btu/h)	12890	9680	9700	6520	- 3900	12200	9000	9180	6170	- 3680	11470	8460	8630	5810	- 3460		
		W	1110	610	840	590	- 370	1050	585	790	540	- 330	1000	560	750	530	- 330		
90	32.2	Q(Btu/h)	13410	10000	10090	6780	- 4040	12690	9360	9550	6410	- 3820	11930	8780	8980	6030	- 3600		
		W	1070	590	810	550	- 330	1010	560	760	500	- 300	960	540	730	490	- 300		
85	29.4	Q(Btu/h)	13930	10310	10480	7040	- 4200	13180	9720	9920	6660	- 3970	12390	9090	9320	6270	- 3740		
		W	1030	570	770	550	- 330	970	540	730	500	- 300	930	520	700	490	- 300		
80	26.7	Q(Btu/h)	14440	10670	10870	7320	- 4360	13670	10080	10290	6920	- 4120	12850	9450	9670	6510	- 3880		
		W	980	550	740	510	- 310	930	520	700	470	- 280	890	500	670	460	- 280		
75	23.9	Q(Btu/h)	14950	11030	11250	7560	- 4510	14150	10440	10650	7150	- 4260	13300	9810	10010	6730	- 4010		
		W	930	520	700	480	- 290	880	490	660	440	- 260	840	470	630	430	- 260		
70	21.1	Q(Btu/h)	15470	11410	11640	7810	- 4660	14640	10800	11020	7390	- 4400	13760	10150	10360	6960	- 4140		
		W	890	500	670	470	- 290	840	470	630	430	- 260	800	450	600	420	- 260		
65	18.3	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
60	15.6	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
55	12.8	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
50	10.0	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
45	7.2	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
40	4.4	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
35	1.7	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
30	-1.1	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
25	-3.9	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
20	-6.7	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
15	-9.4	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		

\* It may not reach the above capacities in low ambient temperatures.

**MSZ-GL09NA**  
**MUZ-GL09NAH**  
**2) HEATING**

**Rated**  
 Q(Btu/h): 10900  
 W: 720

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C					70°F / 21.1°C					59°F / 15.0°C							
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	18260	13620	13740	9210	-	5210	19000	14170	14300	9590	-	5420	19740	14720	14860	9970	-	5630
		W	1640	820	1240	830	-	470	1560	780	1180	790	-	450	1480	740	1120	750	-	430
60	15.6	Q(Btu/h)	17350	12880	13050	8760	-	4960	18100	13440	13620	9140	-	5170	18850	14000	14190	9520	-	5380
		W	1580	810	1190	800	-	450	1500	770	1130	760	-	430	1420	730	1070	720	-	410
55	12.8	Q(Btu/h)	16430	12130	12360	8290	-	4700	17200	12700	12940	8680	-	4920	17970	13270	13520	9070	-	5140
		W	1520	800	1140	760	-	420	1440	760	1080	720	-	400	1360	720	1020	680	-	380
50	10.0	Q(Btu/h)	15800	11390	11890	7980	-	4510	16600	11970	12490	8380	-	4740	17400	12550	13090	8780	-	4970
		W	1450	790	1100	740	-	410	1380	750	1040	700	-	390	1310	710	980	660	-	370
45	7.2	Q(Btu/h)	15170	10650	11420	7660	-	4330	16000	11230	12040	8080	-	4570	16830	11810	12660	8500	-	4810
		W	1390	770	1040	700	-	390	1320	730	990	660	-	370	1250	690	940	620	-	350
43	6.1	Q(Btu/h)	15060	10320	11320	7600	-	4310	15900	10900	11960	8030	-	4550	16740	11480	12600	8460	-	4790
		W	1320	760	990	660	-	380	1250	720	940	630	-	360	1180	680	890	600	-	340
40	4.4	Q(Btu/h)	13890	9860	10450	7010	-	3970	14700	10440	11060	7420	-	4200	15510	11020	11670	7830	-	4430
		W	1300	750	970	640	-	370	1230	710	920	610	-	350	1160	670	870	580	-	330
35	1.7	Q(Btu/h)	12710	9080	9560	6410	-	3620	13500	9650	10160	6810	-	3850	14290	10220	10760	7210	-	4080
		W	1260	720	950	640	-	370	1200	680	900	610	-	350	1140	640	850	580	-	330
30	-1.1	Q(Btu/h)	11810	8360	8890	5960	-	3380	12600	8920	9480	6360	-	3600	13390	9480	10070	6760	-	3820
		W	1330	810	1040	740	-	470	1270	780	990	710	-	450	1210	750	940	680	-	430
25	-3.9	Q(Btu/h)	10920	7630	8210	5510	-	3130	11700	8180	8800	5910	-	3350	12480	8730	9390	6310	-	3570
		W	1270	780	990	710	-	460	1210	750	950	680	-	440	1150	720	910	650	-	420
20	-6.7	Q(Btu/h)	10010	6900	7540	5050	-	2860	10800	7440	8130	5450	-	3080	11590	7980	8720	5850	-	3300
		W	1220	730	940	670	-	440	1160	700	900	640	-	420	1100	670	860	610	-	400
15	-9.4	Q(Btu/h)	9100	6160	6850	4590	-	2600	9900	6700	7450	5000	-	2830	10700	7240	8050	5410	-	3060
		W	1150	680	900	650	-	420	1100	650	860	620	-	410	1050	620	820	590	-	400
10	-12.2	Q(Btu/h)	8120	5390	6100	4100	-	2320	8950	5940	6730	4520	-	2560	9780	6490	7360	4940	-	2800
		W	1090	630	860	610	-	390	1040	600	820	590	-	380	990	570	780	570	-	370
5	-15.0	Q(Btu/h)	7130	4610	5360	3600	-	2030	8000	5180	6020	4040	-	2280	8870	5750	6680	4480	-	2530
		W	1030	560	800	580	-	380	980	540	770	560	-	370	930	520	740	540	-	360
0	-17.8	Q(Btu/h)	6250	3620	4700	3150	-	1780	7200	4170	5420	3630	-	2050	8150	4720	6140	4110	-	2320
		W	950	500	750	550	-	370	910	480	720	530	-	360	870	460	690	510	-	350
-4	-20.0	Q(Btu/h)	5400	2660	4070	2730	-	1540	6400	3150	4820	3230	-	1820	7400	3640	5570	3730	-	2100
		W	870	440	690	500	-	340	830	420	660	480	-	330	790	400	630	460	-	320

\* Above data is for heating operation without any frost.

**MSZ-GL12NA**  
**MUZ-GL12NA**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 12000  
 W: 920

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	12280	11040	9270	6130	3130	1260	11630	10260	8780	5810	2970	1190	10920	9360	8240	5450	2790	1120
		W	1530	1060	1150	760	390	150	1440	1020	1080	710	360	140	1370	980	1030	680	350	130
110	43.3	Q(Btu/h)	12820	11520	9680	6400	3260	1310	12140	10710	9170	6070	3090	1240	11400	9810	8610	5690	2900	1170
		W	1500	1040	1140	760	390	150	1410	1000	1070	710	360	140	1350	960	1020	680	350	130
105	40.6	Q(Btu/h)	13360	12000	10080	6670	3410	1360	12650	11160	9550	6330	3230	1290	11880	10260	8970	5940	3030	1220
		W	1470	1020	1100	740	380	150	1380	980	1040	690	350	140	1320	940	990	660	340	130
100	37.8	Q(Btu/h)	13860	12450	10460	6920	3520	1410	13130	11580	9910	6560	3340	1340	12330	10770	9300	6150	3130	1270
		W	1430	1000	1070	710	360	140	1340	950	1010	660	340	130	1280	910	960	640	330	120
95	35.0	Q(Btu/h)	14360	12900	10840	7160	3660	1470	13600	12000	10270	6790	3470	1390	12770	11280	9640	6370	3250	1310
		W	1380	970	1040	710	360	140	1300	920	980	660	340	130	1240	880	930	640	330	120
90	32.2	Q(Btu/h)	14940	13320	11280	7470	3810	1520	14150	12480	10690	7080	3610	1440	13290	11700	10040	6640	3390	1360
		W	1330	940	1000	670	330	130	1250	890	940	620	310	120	1190	850	890	600	300	110
85	29.4	Q(Btu/h)	15510	13740	11700	7740	3940	1580	14690	12960	11090	7340	3740	1500	13800	12120	10410	6880	3510	1420
		W	1280	900	970	650	330	130	1200	850	910	610	310	120	1140	810	870	590	300	110
80	26.7	Q(Btu/h)	16090	14220	12140	8040	4100	1650	15240	13440	11500	7620	3890	1560	14310	12600	10800	7150	3650	1470
		W	1220	860	920	610	300	120	1150	810	870	570	280	110	1100	780	830	550	270	100
75	23.9	Q(Btu/h)	16660	14700	12580	8320	4250	1700	15780	13920	11920	7890	4030	1610	14820	13080	11190	7400	3780	1520
		W	1160	820	870	590	300	120	1090	770	820	550	280	110	1040	740	780	530	270	100
70	21.1	Q(Btu/h)	17230	15210	13000	8600	4390	1760	16320	14400	12320	8160	4160	1670	15330	13530	11570	7650	3900	1580
		W	1110	780	830	550	280	110	1040	730	780	510	260	100	990	700	740	490	250	90
65	18.3	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
60	15.6	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
55	12.8	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
50	10.0	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
45	7.2	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
40	4.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
35	1.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
30	-1.1	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
25	-3.9	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
20	-6.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
15	-9.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80

\* It may not reach the above capacities in low ambient temperatures.

**MSZ-GL12NA**  
**MUZ-GL12NA**  
**2) HEATING**

**Rated**  
 Q(Btu/h): 14400  
 W: 1100

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	21810	17990	16460	10900	5560	2230	22700	18720	17130	11340	5790	2320	23590	19450	17800	11780	6020	2410
		W	1970	1250	1490	980	500	200	1870	1190	1410	930	470	190	1770	1130	1330	880	440	180
60	15.6	Q(Btu/h)	20750	17010	15670	10380	5300	2120	21650	17750	16350	10830	5530	2210	22550	18490	17030	11280	5760	2300
		W	1900	1240	1440	960	480	190	1800	1180	1370	910	460	180	1700	1120	1300	860	440	170
55	12.8	Q(Btu/h)	19680	16030	14870	9850	5030	2010	20600	16780	15560	10310	5260	2100	21520	17530	16250	10770	5490	2190
		W	1810	1230	1370	910	460	190	1720	1170	1300	860	440	180	1630	1110	1230	810	420	170
50	10.0	Q(Btu/h)	18610	15050	14050	9310	4750	1900	19550	15810	14760	9780	4990	2000	20490	16570	15470	10250	5230	2100
		W	1740	1210	1310	860	440	180	1650	1150	1240	820	420	170	1560	1090	1170	780	400	160
45	7.2	Q(Btu/h)	17540	14060	13250	8770	4480	1790	18500	14830	13970	9250	4720	1890	19460	15600	14690	9730	4960	1990
		W	1660	1180	1260	840	430	170	1580	1120	1200	800	410	160	1500	1060	1140	760	390	150
43	6.1	Q(Btu/h)	17140	13640	12930	8560	4370	1750	18100	14400	13660	9040	4620	1850	19060	15160	14390	9520	4870	1950
		W	1710	1160	1290	850	430	170	1620	1100	1220	810	410	160	1530	1040	1150	770	390	150
40	4.4	Q(Btu/h)	16300	13030	12310	8150	4160	1660	17250	13790	13030	8630	4400	1760	18200	14550	13750	9110	4640	1860
		W	1610	1150	1210	800	400	160	1530	1090	1150	760	380	150	1450	1030	1090	720	360	140
35	1.7	Q(Btu/h)	15440	11990	11660	7730	3940	1580	16400	12740	12390	8210	4190	1680	17360	13490	13120	8690	4440	1780
		W	1520	1110	1140	750	390	160	1440	1050	1080	710	370	150	1360	990	1020	670	350	140
30	-1.1	Q(Btu/h)	14390	11040	10860	7190	3670	1460	15350	11770	11580	7670	3910	1560	16310	12500	12300	8150	4150	1660
		W	1440	1050	1090	720	370	150	1370	1000	1030	680	350	140	1300	950	970	640	330	130
25	-3.9	Q(Btu/h)	13340	10080	10080	6670	3410	1360	14300	10800	10800	7150	3650	1460	15260	11520	11520	7630	3890	1560
		W	1370	990	1040	700	360	150	1300	940	990	660	340	140	1230	890	940	620	320	130
20	-6.7	Q(Btu/h)	12330	9110	9310	6160	3130	1250	13300	9830	10040	6640	3380	1350	14270	10550	10770	7120	3630	1450
		W	1300	920	980	640	330	130	1230	870	930	610	310	120	1160	820	880	580	290	110
15	-9.4	Q(Btu/h)	11300	8140	8540	5650	2880	1150	12300	8860	9290	6150	3130	1250	13300	9580	10040	6650	3380	1350
		W	1220	830	920	600	310	130	1160	790	870	570	290	120	1100	750	820	540	270	110
10	-12.2	Q(Btu/h)	10200	7120	7700	5100	2600	1040	11250	7850	8490	5620	2870	1150	12300	8580	9280	6140	3140	1260
		W	1150	750	870	580	290	120	1090	710	830	550	280	110	1030	670	790	520	270	100
5	-15.0	Q(Btu/h)	9080	6090	6860	4540	2320	930	10200	6840	7700	5100	2600	1040	11320	7590	8540	5660	2880	1150
		W	1070	650	820	540	270	110	1020	620	780	510	260	100	970	590	740	480	250	90
0	-17.8	Q(Btu/h)	7810	4830	5890	3900	1990	800	9000	5570	6790	4490	2290	920	10190	6310	7690	5080	2590	1040
		W	990	570	740	500	250	110	940	540	700	470	240	100	890	510	660	440	230	90
-4	-20.0	Q(Btu/h)	6590	3630	4970	3290	1680	680	7800	4300	5880	3900	1990	800	9010	4970	6790	4510	2300	920
		W	900	470	670	440	220	80	850	450	640	420	210	80	800	430	610	400	200	80

\* Above data is for heating operation without any frost.

**MSZ-GL12NA**  
**MUZ-GL12NAH**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 12000  
 W: 920

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	12280	11040	9270	6130	3130	1260	11630	10260	8780	5810	2970	1190	10920	9360	8240	5450	2790	1120
		W	1530	1060	1150	760	390	150	1440	1020	1080	710	360	140	1370	980	1030	680	350	130
110	43.3	Q(Btu/h)	12820	11520	9680	6400	3260	1310	12140	10710	9170	6070	3090	1240	11400	9810	8610	5690	2900	1170
		W	1500	1040	1140	760	390	150	1410	1000	1070	710	360	140	1350	960	1020	680	350	130
105	40.6	Q(Btu/h)	13360	12000	10080	6670	3410	1360	12650	11160	9550	6330	3230	1290	11880	10260	8970	5940	3030	1220
		W	1470	1020	1100	740	380	150	1380	980	1040	690	350	140	1320	940	990	660	340	130
100	37.8	Q(Btu/h)	13860	12450	10460	6920	3520	1410	13130	11580	9910	6560	3340	1340	12330	10770	9300	6150	3130	1270
		W	1430	1000	1070	710	360	140	1340	950	1010	660	340	130	1280	910	960	640	330	120
95	35.0	Q(Btu/h)	14360	12900	10840	7160	3660	1470	13600	12000	10270	6790	3470	1390	12770	11280	9640	6370	3250	1310
		W	1380	970	1040	710	360	140	1300	920	980	660	340	130	1240	880	930	640	330	120
90	32.2	Q(Btu/h)	14940	13320	11280	7470	3810	1520	14150	12480	10690	7080	3610	1440	13290	11700	10040	6640	3390	1360
		W	1330	940	1000	670	330	130	1250	890	940	620	310	120	1190	850	890	600	300	110
85	29.4	Q(Btu/h)	15510	13740	11700	7740	3940	1580	14690	12960	11090	7340	3740	1500	13800	12120	10410	6880	3510	1420
		W	1280	900	970	650	330	130	1200	850	910	610	310	120	1140	810	870	590	300	110
80	26.7	Q(Btu/h)	16090	14220	12140	8040	4100	1650	15240	13440	11500	7620	3890	1560	14310	12600	10800	7150	3650	1470
		W	1220	860	920	610	300	120	1150	810	870	570	280	110	1100	780	830	550	270	100
75	23.9	Q(Btu/h)	16660	14700	12580	8320	4250	1700	15780	13920	11920	7890	4030	1610	14820	13080	11190	7400	3780	1520
		W	1160	820	870	590	300	120	1090	770	820	550	280	110	1040	740	780	530	270	100
70	21.1	Q(Btu/h)	17230	15210	13000	8600	4390	1760	16320	14400	12320	8160	4160	1670	15330	13530	11570	7650	3900	1580
		W	1110	780	830	550	280	110	1040	730	780	510	260	100	990	700	740	490	250	90
65	18.3	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
60	15.6	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
55	12.8	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
50	10.0	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
45	7.2	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
40	4.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
35	1.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
30	-1.1	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
25	-3.9	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
20	-6.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
15	-9.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80

\* It may not reach the above capacities in low ambient temperatures.

**MSZ-GL12NA**  
**MUZ-GL12NAH**  
**2) HEATING**

**Rated**  
 Q(Btu/h): 14400  
 W: 1100

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	21810	17990	16460	10900	5560	2230	22700	18720	17130	11340	5790	2320	23590	19450	17800	11780	6020	2410
		W	1970	1250	1490	980	500	200	1870	1190	1410	930	470	190	1770	1130	1330	880	440	180
60	15.6	Q(Btu/h)	20750	17010	15670	10380	5300	2120	21650	17750	16350	10830	5530	2210	22550	18490	17030	11280	5760	2300
		W	1900	1240	1440	960	480	190	1800	1180	1370	910	460	180	1700	1120	1300	860	440	170
55	12.8	Q(Btu/h)	19680	16030	14870	9850	5030	2010	20600	16780	15560	10310	5260	2100	21520	17530	16250	10770	5490	2190
		W	1810	1230	1370	910	460	190	1720	1170	1300	860	440	180	1630	1110	1230	810	420	170
50	10.0	Q(Btu/h)	18610	15050	14050	9310	4750	1900	19550	15810	14760	9780	4990	2000	20490	16570	15470	10250	5230	2100
		W	1740	1210	1310	860	440	180	1650	1150	1240	820	420	170	1560	1090	1170	780	400	160
45	7.2	Q(Btu/h)	17540	14060	13250	8770	4480	1790	18500	14830	13970	9250	4720	1890	19460	15600	14690	9730	4960	1990
		W	1660	1180	1260	840	430	170	1580	1120	1200	800	410	160	1500	1060	1140	760	390	150
43	6.1	Q(Btu/h)	17140	13640	12930	8560	4370	1750	18100	14400	13660	9040	4620	1850	19060	15160	14390	9520	4870	1950
		W	1710	1160	1290	850	430	170	1620	1100	1220	810	410	160	1530	1040	1150	770	390	150
40	4.4	Q(Btu/h)	16300	13030	12310	8150	4160	1660	17250	13790	13030	8630	4400	1760	18200	14550	13750	9110	4640	1860
		W	1610	1150	1210	800	400	160	1530	1090	1150	760	380	150	1450	1030	1090	720	360	140
35	1.7	Q(Btu/h)	15440	11990	11660	7730	3940	1580	16400	12740	12390	8210	4190	1680	17360	13490	13120	8690	4440	1780
		W	1520	1110	1140	750	390	160	1440	1050	1080	710	370	150	1360	990	1020	670	350	140
30	-1.1	Q(Btu/h)	14390	11040	10860	7190	3670	1460	15350	11770	11580	7670	3910	1560	16310	12500	12300	8150	4150	1660
		W	1570	1180	1220	850	500	280	1500	1130	1160	810	480	270	1430	1080	1100	770	460	260
25	-3.9	Q(Btu/h)	13340	10080	10080	6670	3410	1360	14300	10800	10800	7150	3650	1460	15260	11520	11520	7630	3890	1560
		W	1500	1120	1170	830	490	280	1430	1070	1120	790	470	270	1360	1020	1070	750	450	260
20	-6.7	Q(Btu/h)	12330	9110	9310	6160	3130	1250	13300	9830	10040	6640	3380	1350	14270	10550	10770	7120	3630	1450
		W	1430	1050	1110	770	460	260	1360	1000	1060	740	440	250	1290	950	1010	710	420	240
15	-9.4	Q(Btu/h)	11300	8140	8540	5650	2880	1150	12300	8860	9290	6150	3130	1250	13300	9580	10040	6650	3380	1350
		W	1350	960	1050	730	440	260	1290	920	1000	700	420	250	1230	880	950	670	400	240
10	-12.2	Q(Btu/h)	10200	7120	7700	5100	2600	1040	11250	7850	8490	5620	2870	1150	12300	8580	9280	6140	3140	1260
		W	1280	880	1000	710	420	250	1220	840	960	680	410	240	1160	800	920	650	400	230
5	-15.0	Q(Btu/h)	9080	6090	6860	4540	2320	930	10200	6840	7700	5100	2600	1040	11320	7590	8540	5660	2880	1150
		W	1200	780	950	670	400	240	1150	750	910	640	390	230	1100	720	870	610	380	220
0	-17.8	Q(Btu/h)	7810	4830	5890	3900	1990	800	9000	5570	6790	4490	2290	920	10190	6310	7690	5080	2590	1040
		W	1120	700	870	630	380	240	1070	670	830	600	370	230	1020	640	790	570	360	220
-4	-20.0	Q(Btu/h)	6590	3630	4970	3290	1680	680	7800	4300	5880	3900	1990	800	9010	4970	6790	4510	2300	920
		W	1030	600	800	570	350	210	980	580	770	550	340	210	930	560	740	530	330	210

\* Above data is for heating operation without any frost.

**MSZ-GL15NA**  
**MUZ-GL15NA**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 14000  
 W: 1080

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	16440	12880	12410	8210	4200	2730	15560	11970	11750	7780	3980	2590	14620	10920	11040	7310	3740	2430
		W	2350	1240	1770	1200	610	390	2220	1200	1680	1120	580	380	2110	1140	1600	1080	550	350
110	43.3	Q(Btu/h)	17170	13440	12970	8580	4390	2860	16250	12500	12280	8130	4160	2710	15270	11450	11540	7640	3910	2540
		W	2300	1220	1730	1160	580	370	2170	1170	1640	1080	550	360	2070	1120	1560	1040	520	330
105	40.6	Q(Btu/h)	17880	14000	13500	8950	4580	2980	16930	13020	12790	8480	4340	2830	15910	11970	12020	7970	4070	2650
		W	2250	1190	1690	1150	580	370	2120	1140	1600	1070	550	360	2020	1100	1520	1030	520	330
100	37.8	Q(Btu/h)	18560	14530	14010	9270	4740	3090	17570	13510	13270	8780	4490	2930	16510	12570	12470	8250	4220	2750
		W	2180	1160	1640	1100	550	350	2060	1110	1550	1030	530	340	1960	1070	1480	990	510	320
95	35.0	Q(Btu/h)	19230	15050	14520	9610	4910	3190	18200	14000	13750	9100	4650	3030	17110	13160	12920	8550	4370	2840
		W	2120	1130	1590	1070	530	340	2000	1080	1510	1000	510	330	1900	1030	1440	960	490	310
90	32.2	Q(Btu/h)	20000	15540	15110	10010	5120	3330	18930	14560	14310	9480	4850	3160	17790	13650	13450	8910	4550	2960
		W	2040	1090	1540	1050	520	340	1930	1040	1460	980	500	330	1840	1000	1390	940	480	310
85	29.4	Q(Btu/h)	20770	16030	15680	10380	5310	3460	19660	15120	14850	9830	5030	3280	18480	14140	13960	9230	4720	3080
		W	1960	1050	1480	1000	500	320	1850	1000	1400	930	480	310	1760	960	1330	900	460	290
80	26.7	Q(Btu/h)	21540	16590	16260	10760	5490	3570	20390	15680	15400	10190	5200	3390	19160	14700	14470	9570	4880	3180
		W	1880	1010	1400	940	470	300	1770	960	1330	880	450	290	1690	910	1270	850	430	270
75	23.9	Q(Btu/h)	22300	17150	16840	11150	5700	3710	21110	16240	15950	10560	5400	3520	19840	15260	14990	9920	5070	3300
		W	1780	960	1340	890	450	290	1680	910	1270	830	430	280	1600	860	1210	800	410	260
70	21.1	Q(Btu/h)	23070	17740	17420	11540	5900	3840	21840	16800	16500	10930	5590	3640	20530	15790	15510	10270	5250	3410
		W	1700	910	1280	860	430	280	1600	860	1210	800	410	270	1520	810	1150	770	390	250
65	18.3	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
60	15.6	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
55	12.8	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
50	10.0	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
45	7.2	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
40	4.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
35	1.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
30	-1.1	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
25	-3.9	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
20	-6.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
15	-9.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260

\* It may not reach the above capacities in low ambient temperatures.

**MSZ-GL15NA**  
**MUZ-GL15NA**  
**2) HEATING**

**Rated**  
**Q(Btu/h): 18000**  
**W: 1600**

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	23930	22480	18060	11960	6100	3520	24900	23400	18800	12450	6350	3660	25870	24320	19540	12940	6600	3800
		W	2110	1820	1580	1040	540	310	2000	1730	1500	990	510	290	1890	1640	1420	940	480	270
60	15.6	Q(Btu/h)	23000	21270	17370	11500	5870	3380	24000	22190	18120	12000	6120	3530	25000	23110	18870	12500	6370	3680
		W	2160	1810	1630	1090	560	330	2050	1720	1550	1030	530	310	1940	1630	1470	970	500	290
55	12.8	Q(Btu/h)	22070	20030	16660	11030	5630	3250	23100	20970	17440	11550	5890	3400	24130	21910	18220	12070	6150	3550
		W	2200	1790	1660	1110	560	330	2090	1700	1580	1050	530	310	1980	1610	1500	990	500	290
50	10.0	Q(Btu/h)	21130	18810	15940	10560	5390	3110	22200	19760	16750	11090	5660	3270	23270	20710	17560	11620	5930	3430
		W	2170	1760	1640	1100	560	330	2060	1670	1560	1040	530	310	1950	1580	1480	980	500	290
45	7.2	Q(Btu/h)	20200	17580	15250	10100	5150	2970	21300	18540	16080	10650	5430	3130	22400	19500	16910	11200	5710	3290
		W	2130	1720	1600	1050	540	310	2020	1630	1520	1000	510	290	1910	1540	1440	950	480	270
43	6.1	Q(Btu/h)	19790	17040	14940	9900	5050	2920	20900	18000	15780	10450	5330	3080	22010	18960	16620	11000	5610	3240
		W	2120	1690	1590	1050	540	310	2010	1600	1510	1000	510	290	1900	1510	1430	950	480	270
40	4.4	Q(Btu/h)	19090	16290	14410	9540	4870	2810	20200	17240	15250	10100	5150	2970	21310	18190	16090	10660	5430	3130
		W	2050	1660	1550	1020	520	290	1950	1580	1470	970	490	280	1850	1500	1390	920	460	270
35	1.7	Q(Btu/h)	18360	15000	13860	9180	4680	2700	19500	15930	14720	9750	4970	2870	20640	16860	15580	10320	5260	3040
		W	1990	1600	1510	990	510	290	1890	1520	1430	940	480	280	1790	1440	1350	890	450	270
30	-1.1	Q(Btu/h)	17440	13800	13170	8730	4440	2560	18600	14720	14050	9310	4740	2730	19760	15640	14930	9890	5040	2900
		W	1940	1530	1460	970	500	280	1840	1450	1390	920	470	270	1740	1370	1320	870	440	260
25	-3.9	Q(Btu/h)	16520	12600	12470	8260	4210	2430	17700	13500	13360	8850	4510	2600	18880	14400	14250	9440	4810	2770
		W	1880	1440	1420	940	480	280	1780	1370	1350	890	460	270	1680	1300	1280	840	440	260
20	-6.7	Q(Btu/h)	15580	11390	11760	7790	3970	2290	16800	12290	12680	8400	4280	2470	18020	13190	13600	9010	4590	2650
		W	1820	1330	1380	920	460	260	1730	1260	1310	870	440	250	1640	1190	1240	820	420	240
15	-9.4	Q(Btu/h)	14610	10170	11030	7300	3720	2150	15900	11070	12000	7950	4050	2340	17190	11970	12970	8600	4380	2530
		W	1770	1210	1340	880	450	260	1680	1150	1270	840	430	250	1590	1090	1200	800	410	240
10	-12.2	Q(Btu/h)	13610	8900	10270	6800	3460	2000	15000	9810	11320	7500	3820	2200	16390	10720	12370	8200	4180	2400
		W	1720	1090	1300	850	430	250	1630	1030	1230	810	410	240	1540	970	1160	770	390	230
5	-15.0	Q(Btu/h)	12560	7610	9490	6290	3210	1850	14100	8550	10650	7060	3600	2080	15640	9490	11810	7830	3990	2310
		W	1650	950	1250	830	430	250	1570	900	1190	790	410	240	1490	850	1130	750	390	230
0	-17.8	Q(Btu/h)	11370	6110	8590	5690	2900	1680	13100	7040	9900	6550	3340	1930	14830	7970	11210	7410	3780	2180
		W	1570	820	1180	780	390	220	1490	780	1120	740	370	210	1410	740	1060	700	350	200
-4	-20.0	Q(Btu/h)	10220	4670	7710	5100	2600	1500	12100	5530	9130	6040	3080	1780	13980	6390	10550	6980	3560	2060
		W	1470	700	1110	730	370	210	1400	660	1050	690	350	200	1330	620	990	650	330	190

\* Above data is for heating operation without any frost.

**MSZ-GL15NA**  
**MUZ-GL15NAH**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 14000  
 W: 1080

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	16440	12880	12410	8210	4200	2730	15560	11970	11750	7780	3980	2590	14620	10920	11040	7310	3740	2430
		W	2350	1240	1770	1200	610	390	2220	1200	1680	1120	580	380	2110	1140	1600	1080	550	350
110	43.3	Q(Btu/h)	17170	13440	12970	8580	4390	2860	16250	12500	12280	8130	4160	2710	15270	11450	11540	7640	3910	2540
		W	2300	1220	1730	1160	580	370	2170	1170	1640	1080	550	360	2070	1120	1560	1040	520	330
105	40.6	Q(Btu/h)	17880	14000	13500	8950	4580	2980	16930	13020	12790	8480	4340	2830	15910	11970	12020	7970	4070	2650
		W	2250	1190	1690	1150	580	370	2120	1140	1600	1070	550	360	2020	1100	1520	1030	520	330
100	37.8	Q(Btu/h)	18560	14530	14010	9270	4740	3090	17570	13510	13270	8780	4490	2930	16510	12570	12470	8250	4220	2750
		W	2180	1160	1640	1100	550	350	2060	1110	1550	1030	530	340	1960	1070	1480	990	510	320
95	35.0	Q(Btu/h)	19230	15050	14520	9610	4910	3190	18200	14000	13750	9100	4650	3030	17110	13160	12920	8550	4370	2840
		W	2120	1130	1590	1070	530	340	2000	1080	1510	1000	510	330	1900	1030	1440	960	490	310
90	32.2	Q(Btu/h)	20000	15540	15110	10010	5120	3330	18930	14560	14310	9480	4850	3160	17790	13650	13450	8910	4550	2960
		W	2040	1090	1540	1050	520	340	1930	1040	1460	980	500	330	1840	1000	1390	940	480	310
85	29.4	Q(Btu/h)	20770	16030	15680	10380	5310	3460	19660	15120	14850	9830	5030	3280	18480	14140	13960	9230	4720	3080
		W	1960	1050	1480	1000	500	320	1850	1000	1400	930	480	310	1760	960	1330	900	460	290
80	26.7	Q(Btu/h)	21540	16590	16260	10760	5490	3570	20390	15680	15400	10190	5200	3390	19160	14700	14470	9570	4880	3180
		W	1880	1010	1400	940	470	300	1770	960	1330	880	450	290	1690	910	1270	850	430	270
75	23.9	Q(Btu/h)	22300	17150	16840	11150	5700	3710	21110	16240	15950	10560	5400	3520	19840	15260	14990	9920	5070	3300
		W	1780	960	1340	890	450	290	1680	910	1270	830	430	280	1600	860	1210	800	410	260
70	21.1	Q(Btu/h)	23070	17740	17420	11540	5900	3840	21840	16800	16500	10930	5590	3640	20530	15790	15510	10270	5250	3410
		W	1700	910	1280	860	430	280	1600	860	1210	800	410	270	1520	810	1150	770	390	250
65	18.3	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
60	15.6	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
55	12.8	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
50	10.0	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
45	7.2	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
40	4.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
35	1.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
30	-1.1	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
25	-3.9	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
20	-6.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
15	-9.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260

\* It may not reach the above capacities in low ambient temperatures.

**MSZ-GL15NA**  
**MUZ-GL15NAH**  
**2) HEATING**

**Rated**  
 Q(Btu/h): 18000  
 W: 1600

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	23930	22480	18060	11960	6100	3520	24900	23400	18800	12450	6350	3660	25870	24320	19540	12940	6600	3800
		W	2110	1820	1580	1040	540	310	2000	1730	1500	990	510	290	1890	1640	1420	940	480	270
60	15.6	Q(Btu/h)	23000	21270	17370	11500	5870	3380	24000	22190	18120	12000	6120	3530	25000	23110	18870	12500	6370	3680
		W	2160	1810	1630	1090	560	330	2050	1720	1550	1030	530	310	1940	1630	1470	970	500	290
55	12.8	Q(Btu/h)	22070	20030	16660	11030	5630	3250	23100	20970	17440	11550	5890	3400	24130	21910	18220	12070	6150	3550
		W	2200	1790	1660	1110	560	330	2090	1700	1580	1050	530	310	1980	1610	1500	990	500	290
50	10.0	Q(Btu/h)	21130	18810	15940	10560	5390	3110	22200	19760	16750	11090	5660	3270	23270	20710	17560	11620	5930	3430
		W	2170	1760	1640	1100	560	330	2060	1670	1560	1040	530	310	1950	1580	1480	980	500	290
45	7.2	Q(Btu/h)	20200	17580	15250	10100	5150	2970	21300	18540	16080	10650	5430	3130	22400	19500	16910	11200	5710	3290
		W	2130	1720	1600	1050	540	310	2020	1630	1520	1000	510	290	1910	1540	1440	950	480	270
43	6.1	Q(Btu/h)	19790	17040	14940	9900	5050	2920	20900	18000	15780	10450	5330	3080	22010	18960	16620	11000	5610	3240
		W	2120	1690	1590	1050	540	310	2010	1600	1510	1000	510	290	1900	1510	1430	950	480	270
40	4.4	Q(Btu/h)	19090	16290	14410	9540	4870	2810	20200	17240	15250	10100	5150	2970	21310	18190	16090	10660	5430	3130
		W	2050	1660	1550	1020	520	290	1950	1580	1470	970	490	280	1850	1500	1390	920	460	270
35	1.7	Q(Btu/h)	18360	15000	13860	9180	4680	2700	19500	15930	14720	9750	4970	2870	20640	16860	15580	10320	5260	3040
		W	1990	1600	1510	990	510	290	1890	1520	1430	940	480	280	1790	1440	1350	890	450	270
30	-1.1	Q(Btu/h)	17440	13800	13170	8730	4440	2560	18600	14720	14050	9310	4740	2730	19760	15640	14930	9890	5040	2900
		W	2070	1660	1590	1100	630	410	1970	1580	1520	1050	600	400	1870	1500	1450	1000	570	390
25	-3.9	Q(Btu/h)	16520	12600	12470	8260	4210	2430	17700	13500	13360	8850	4510	2600	18880	14400	14250	9440	4810	2770
		W	2010	1570	1550	1070	610	410	1910	1500	1480	1020	590	400	1810	1430	1410	970	570	390
20	-6.7	Q(Btu/h)	15580	11390	11760	7790	3970	2290	16800	12290	12680	8400	4280	2470	18020	13190	13600	9010	4590	2650
		W	1950	1460	1510	1050	590	390	1860	1390	1440	1000	570	380	1770	1320	1370	950	550	370
15	-9.4	Q(Btu/h)	14610	10170	11030	7300	3720	2150	15900	11070	12000	7950	4050	2340	17190	11970	12970	8600	4380	2530
		W	1900	1340	1470	1010	580	390	1810	1280	1400	970	560	380	1720	1220	1330	930	540	370
10	-12.2	Q(Btu/h)	13610	8900	10270	6800	3460	2000	15000	9810	11320	7500	3820	2200	16390	10720	12370	8200	4180	2400
		W	1850	1220	1430	980	560	380	1760	1160	1360	940	540	370	1670	1100	1290	900	520	360
5	-15.0	Q(Btu/h)	12560	7610	9490	6290	3210	1850	14100	8550	10650	7060	3600	2080	15640	9490	11810	7830	3990	2310
		W	1780	1080	1380	960	560	380	1700	1030	1320	920	540	370	1620	980	1260	880	520	360
0	-17.8	Q(Btu/h)	11370	6110	8590	5690	2900	1680	13100	7040	9900	6550	3340	1930	14830	7970	11210	7410	3780	2180
		W	1700	950	1310	910	520	350	1620	910	1250	870	500	340	1540	870	1190	830	480	330
-4	-20.0	Q(Btu/h)	10220	4670	7710	5100	2600	1500	12100	5530	9130	6040	3080	1780	13980	6390	10550	6980	3560	2060
		W	1600	830	1240	860	500	340	1530	790	1180	820	480	330	1460	750	1120	780	460	320

\* Above data is for heating operation without any frost.

**MSZ-GL18NA**  
**MUZ-GL18NA**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 18000  
 W: 1340

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	19860	16560	15000	9930	5050	4040	18810	15390	14200	9400	4790	3830	17670	14040	13350	8830	4500	3590
		W	2520	1540	1900	1250	620	500	2390	1490	1810	1200	610	490	2270	1420	1720	1130	560	450
110	43.3	Q(Btu/h)	20740	17280	15670	10370	5290	4230	19640	16070	14830	9820	5010	4010	18450	14720	13940	9230	4700	3760
		W	2470	1510	1860	1220	600	490	2340	1460	1770	1170	590	480	2220	1400	1680	1110	540	440
105	40.6	Q(Btu/h)	21610	18000	16320	10800	5510	4400	20460	16740	15450	10220	5220	4170	19230	15390	14530	9600	4900	3910
		W	2410	1480	1810	1200	600	480	2280	1420	1720	1150	590	470	2170	1370	1630	1090	540	430
100	37.8	Q(Btu/h)	22420	18680	16940	11210	5710	4570	21230	17370	16030	10610	5410	4330	19950	16160	15070	9970	5080	4060
		W	2340	1450	1760	1150	570	460	2220	1380	1670	1100	560	450	2110	1330	1580	1040	510	410
95	35.0	Q(Btu/h)	23230	19350	17560	11620	5920	4740	22000	18000	16620	11000	5610	4490	20670	16920	15630	10340	5270	4210
		W	2270	1410	1700	1120	550	440	2150	1340	1620	1070	540	430	2040	1280	1540	1010	490	400
90	32.2	Q(Btu/h)	24160	19980	18260	12090	6160	4930	22880	18720	17280	11440	5840	4670	21500	17550	16250	10750	5480	4380
		W	2180	1360	1640	1090	540	440	2070	1290	1560	1040	530	430	1970	1240	1480	980	480	400
85	29.4	Q(Btu/h)	25090	20610	18970	12550	6400	5120	23760	19440	17950	11880	6060	4850	22330	18180	16880	11160	5690	4550
		W	2100	1310	1590	1040	520	420	1990	1240	1510	1000	510	410	1890	1190	1430	950	470	380
80	26.7	Q(Btu/h)	26020	21330	19660	13020	6630	5310	24640	20160	18610	12320	6280	5030	23150	18900	17500	11580	5890	4720
		W	2000	1250	1510	1000	500	400	1900	1190	1440	960	490	390	1810	1130	1370	910	450	360
75	23.9	Q(Btu/h)	26950	22050	20360	13480	6870	5500	25520	20880	19270	12760	6510	5210	23980	19620	18120	11990	6110	4890
		W	1910	1190	1440	950	480	380	1810	1130	1370	910	470	370	1720	1070	1300	860	430	340
70	21.1	Q(Btu/h)	27880	22810	21070	13960	7110	5690	26400	21600	19940	13210	6740	5390	24810	20300	18750	12410	6330	5060
		W	1800	1130	1370	900	450	360	1710	1070	1300	860	440	350	1620	1010	1230	810	400	320
65	18.3	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
60	15.6	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
55	12.8	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
50	10.0	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
45	7.2	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
40	4.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
35	1.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
30	-1.1	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
25	-3.9	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
20	-6.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
15	-9.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360

\* It may not reach the above capacities in low ambient temperatures.

**MSZ-GL18NA**  
**MUZ-GL18NA**  
**2) HEATING**

**Rated**  
 Q(Btu/h): 21600  
 W: 1680

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	29500	26980	22190	14870	7310	5040	30700	28080	23090	15480	7610	5250	31900	29180	23990	16090	7910	5460
		W	2990	1910	2240	1500	740	510	2840	1810	2130	1420	700	480	2690	1710	2020	1340	660	450
60	15.6	Q(Btu/h)	28130	25520	21150	14190	6970	4800	29350	26620	22070	14800	7270	5010	30570	27720	22990	15410	7570	5220
		W	2920	1900	2200	1470	730	510	2770	1800	2090	1400	690	480	2620	1700	1980	1330	650	450
55	12.8	Q(Btu/h)	26750	24040	20120	13490	6630	4580	28000	25160	21060	14120	6940	4790	29250	26280	22000	14750	7250	5000
		W	2830	1880	2130	1430	710	480	2690	1780	2020	1360	670	460	2550	1680	1910	1290	630	440
50	10.0	Q(Btu/h)	25370	22570	19070	12790	6290	4340	26650	23710	20040	13440	6610	4560	27930	24850	21010	14090	6930	4780
		W	2750	1840	2060	1380	670	460	2610	1750	1960	1310	640	440	2470	1660	1860	1240	610	420
45	7.2	Q(Btu/h)	23990	21100	18050	12100	5950	4100	25300	22250	19030	12760	6270	4320	26610	23400	20010	13420	6590	4540
		W	2670	1800	2000	1340	650	450	2530	1710	1900	1270	620	430	2390	1620	1800	1200	590	410
43	6.1	Q(Btu/h)	23670	20450	17810	11940	5870	4050	25000	21600	18810	12610	6200	4280	26330	22750	19810	13280	6530	4510
		W	2630	1770	1980	1330	650	450	2500	1680	1880	1260	620	430	2370	1590	1780	1190	590	410
40	4.4	Q(Btu/h)	22490	19550	16910	11340	5570	3850	23800	20690	17900	12000	5900	4070	25110	21830	18890	12660	6230	4290
		W	2570	1750	1930	1300	630	430	2440	1660	1830	1230	600	410	2310	1570	1730	1160	570	390
35	1.7	Q(Btu/h)	21280	18000	16000	10730	5270	3630	22600	19120	17000	11400	5600	3860	23920	20240	18000	12070	5930	4090
		W	2510	1690	1900	1270	620	430	2380	1600	1800	1210	590	410	2250	1510	1700	1150	560	390
30	-1.1	Q(Btu/h)	19880	16560	14960	10030	4930	3400	21200	17660	15950	10700	5260	3630	22520	18760	16940	11370	5590	3860
		W	2430	1600	1820	1220	600	410	2310	1520	1730	1160	570	390	2190	1440	1640	1100	540	370
25	-3.9	Q(Btu/h)	18480	15120	13890	9310	4580	3160	19800	16200	14890	9980	4910	3390	21120	17280	15890	10650	5240	3620
		W	2350	1520	1770	1190	590	410	2230	1440	1680	1130	560	390	2110	1360	1590	1070	530	370
20	-6.7	Q(Btu/h)	17380	13670	13080	8770	4310	2980	18750	14740	14110	9460	4650	3210	20120	15810	15140	10150	4990	3440
		W	2250	1400	1700	1140	560	390	2140	1330	1610	1080	530	370	2030	1260	1520	1020	500	350
15	-9.4	Q(Btu/h)	16260	12200	12230	8200	4030	2780	17700	13280	13310	8930	4390	3030	19140	14360	14390	9660	4750	3280
		W	2160	1270	1620	1100	540	370	2050	1210	1540	1040	510	350	1940	1150	1460	980	480	330
10	-12.2	Q(Btu/h)	14880	10680	11190	7510	3690	2550	16400	11770	12340	8280	4070	2810	17920	12860	13490	9050	4450	3070
		W	2080	1140	1560	1040	520	360	1970	1080	1480	990	490	340	1860	1020	1400	940	460	320
5	-15.0	Q(Btu/h)	13450	9140	10120	6790	3340	2310	15100	10260	11360	7620	3750	2590	16750	11380	12600	8450	4160	2870
		W	1980	1000	1490	990	480	340	1880	950	1410	940	460	320	1780	900	1330	890	440	300
0	-17.8	Q(Btu/h)	11890	7620	8940	5990	2940	2030	13700	8780	10300	6900	3390	2340	15510	9940	11660	7810	3840	2650
		W	1890	870	1420	950	460	320	1790	830	1350	900	440	300	1690	790	1280	850	420	280
-4	-20.0	Q(Btu/h)	10470	6160	7870	5280	2590	1790	12400	7300	9320	6250	3070	2120	14330	8440	10770	7220	3550	2450
		W	1800	750	1350	910	450	320	1710	710	1280	860	430	300	1620	670	1210	810	410	280

\* Above data is for heating operation without any frost.

**MSZ-GL18NA**  
**MUZ-GL18NAH**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 18000  
 W: 1340

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	19860	16560	15000	9930	5050	4040	18810	15390	14200	9400	4790	3830	17670	14040	13350	8830	4500	3590
		W	2520	1540	1900	1250	620	500	2390	1490	1810	1200	610	490	2270	1420	1720	1130	560	450
110	43.3	Q(Btu/h)	20740	17280	15670	10370	5290	4230	19640	16070	14830	9820	5010	4010	18450	14720	13940	9230	4700	3760
		W	2470	1510	1860	1220	600	490	2340	1460	1770	1170	590	480	2220	1400	1680	1110	540	440
105	40.6	Q(Btu/h)	21610	18000	16320	10800	5510	4400	20460	16740	15450	10220	5220	4170	19230	15390	14530	9600	4900	3910
		W	2410	1480	1810	1200	600	480	2280	1420	1720	1150	590	470	2170	1370	1630	1090	540	430
100	37.8	Q(Btu/h)	22420	18680	16940	11210	5710	4570	21230	17370	16030	10610	5410	4330	19950	16160	15070	9970	5080	4060
		W	2340	1450	1760	1150	570	460	2220	1380	1670	1100	560	450	2110	1330	1580	1040	510	410
95	35.0	Q(Btu/h)	23230	19350	17560	11620	5920	4740	22000	18000	16620	11000	5610	4490	20670	16920	15630	10340	5270	4210
		W	2270	1410	1700	1120	550	440	2150	1340	1620	1070	540	430	2040	1280	1540	1010	490	400
90	32.2	Q(Btu/h)	24160	19980	18260	12090	6160	4930	22880	18720	17280	11440	5840	4670	21500	17550	16250	10750	5480	4380
		W	2180	1360	1640	1090	540	440	2070	1290	1560	1040	530	430	1970	1240	1480	980	480	400
85	29.4	Q(Btu/h)	25090	20610	18970	12550	6400	5120	23760	19440	17950	11880	6060	4850	22330	18180	16880	11160	5690	4550
		W	2100	1310	1590	1040	520	420	1990	1240	1510	1000	510	410	1890	1190	1430	950	470	380
80	26.7	Q(Btu/h)	26020	21330	19660	13020	6630	5310	24640	20160	18610	12320	6280	5030	23150	18900	17500	11580	5890	4720
		W	2000	1250	1510	1000	500	400	1900	1190	1440	960	490	390	1810	1130	1370	910	450	360
75	23.9	Q(Btu/h)	26950	22050	20360	13480	6870	5500	25520	20880	19270	12760	6510	5210	23980	19620	18120	11990	6110	4890
		W	1910	1190	1440	950	480	380	1810	1130	1370	910	470	370	1720	1070	1300	860	430	340
70	21.1	Q(Btu/h)	27880	22810	21070	13960	7110	5690	26400	21600	19940	13210	6740	5390	24810	20300	18750	12410	6330	5060
		W	1800	1130	1370	900	450	360	1710	1070	1300	860	440	350	1620	1010	1230	810	400	320
65	18.3	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
60	15.6	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
55	12.8	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
50	10.0	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
45	7.2	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
40	4.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
35	1.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
30	-1.1	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
25	-3.9	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
20	-6.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
15	-9.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360

\* It may not reach the above capacities in low ambient temperatures.

**MSZ-GL18NA**  
**MUZ-GL18NAH**  
**2) HEATING**

**Rated**  
 Q(Btu/h): 21600  
 W: 1680

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	29500	26980	22190	14870	7310	5040	30700	28080	23090	15480	7610	5250	31900	29180	23990	16090	7910	5460
		W	2990	1910	2240	1500	740	510	2840	1810	2130	1420	700	480	2690	1710	2020	1340	660	450
60	15.6	Q(Btu/h)	28130	25520	21150	14190	6970	4800	29350	26620	22070	14800	7270	5010	30570	27720	22990	15410	7570	5220
		W	2920	1900	2200	1470	730	510	2770	1800	2090	1400	690	480	2620	1700	1980	1330	650	450
55	12.8	Q(Btu/h)	26750	24040	20120	13490	6630	4580	28000	25160	21060	14120	6940	4790	29250	26280	22000	14750	7250	5000
		W	2830	1880	2130	1430	710	480	2690	1780	2020	1360	670	460	2550	1680	1910	1290	630	440
50	10.0	Q(Btu/h)	25370	22570	19070	12790	6290	4340	26650	23710	20040	13440	6610	4560	27930	24850	21010	14090	6930	4780
		W	2750	1840	2060	1380	670	460	2610	1750	1960	1310	640	440	2470	1660	1860	1240	610	420
45	7.2	Q(Btu/h)	23990	21100	18050	12100	5950	4100	25300	22250	19030	12760	6270	4320	26610	23400	20010	13420	6590	4540
		W	2670	1800	2000	1340	650	450	2530	1710	1900	1270	620	430	2390	1620	1800	1200	590	410
43	6.1	Q(Btu/h)	23670	20450	17810	11940	5870	4050	25000	21600	18810	12610	6200	4280	26330	22750	19810	13280	6530	4510
		W	2630	1770	1980	1330	650	450	2500	1680	1880	1260	620	430	2370	1590	1780	1190	590	410
40	4.4	Q(Btu/h)	22490	19550	16910	11340	5570	3850	23800	20690	17900	12000	5900	4070	25110	21830	18890	12660	6230	4290
		W	2570	1750	1930	1300	630	430	2440	1660	1830	1230	600	410	2310	1570	1730	1160	570	390
35	1.7	Q(Btu/h)	21280	18000	16000	10730	5270	3630	22600	19120	17000	11400	5600	3860	23920	20240	18000	12070	5930	4090
		W	2510	1690	1900	1270	620	430	2380	1600	1800	1210	590	410	2250	1510	1700	1150	560	390
30	-1.1	Q(Btu/h)	19880	16560	14960	10030	4930	3400	21200	17660	15950	10700	5260	3630	22520	18760	16940	11370	5590	3860
		W	2560	1730	1950	1350	730	540	2440	1650	1860	1290	700	520	2320	1570	1770	1230	670	500
25	-3.9	Q(Btu/h)	18480	15120	13890	9310	4580	3160	19800	16200	14890	9980	4910	3390	21120	17280	15890	10650	5240	3620
		W	2480	1650	1900	1320	720	540	2360	1570	1810	1260	690	520	2240	1490	1720	1200	660	500
20	-6.7	Q(Btu/h)	17380	13670	13080	8770	4310	2980	18750	14740	14110	9460	4650	3210	20120	15810	15140	10150	4990	3440
		W	2380	1530	1830	1270	690	520	2270	1460	1740	1210	660	500	2160	1390	1650	1150	630	480
15	-9.4	Q(Btu/h)	16260	12200	12230	8200	4030	2780	17700	13280	13310	8930	4390	3030	19140	14360	14390	9660	4750	3280
		W	2290	1400	1750	1230	670	500	2180	1340	1670	1170	640	480	2070	1280	1590	1110	610	460
10	-12.2	Q(Btu/h)	14880	10680	11190	7510	3690	2550	16400	11770	12340	8280	4070	2810	17920	12860	13490	9050	4450	3070
		W	2210	1270	1690	1170	650	490	2100	1210	1610	1120	620	470	1990	1150	1530	1070	590	450
5	-15.0	Q(Btu/h)	13450	9140	10120	6790	3340	2310	15100	10260	11360	7620	3750	2590	16750	11380	12600	8450	4160	2870
		W	2110	1130	1620	1120	610	470	2010	1080	1540	1070	590	450	1910	1030	1460	1020	570	430
0	-17.8	Q(Btu/h)	11890	7620	8940	5990	2940	2030	13700	8780	10300	6900	3390	2340	15510	9940	11660	7810	3840	2650
		W	2020	1000	1550	1080	590	450	1920	960	1480	1030	570	430	1820	920	1410	980	550	410
-4	-20.0	Q(Btu/h)	10470	6160	7870	5280	2590	1790	12400	7300	9320	6250	3070	2120	14330	8440	10770	7220	3550	2450
		W	1930	880	1480	1040	580	450	1840	840	1410	990	560	430	1750	800	1340	940	540	410

\* Above data is for heating operation without any frost.

**MSZ-GL24NA**  
**MUZ-GL24NA**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 22500  
 W: 1800

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	28360	20700	21270	14170	7090	6140	26850	19240	20140	13430	6720	5820	25240	17550	18920	12610	6310	5460
		W	4210	2070	3150	2070	1030	900	3970	2000	2980	1980	990	860	3770	1910	2820	1860	920	810
110	43.3	Q(Btu/h)	29610	21600	22210	14810	7400	6410	28030	20090	21030	14030	7020	6080	26340	18400	19760	13180	6590	5700
		W	4110	2030	3080	2020	1010	880	3880	1960	2910	1930	970	840	3690	1880	2760	1810	910	790
105	40.6	Q(Btu/h)	30840	22500	23130	15410	7700	6670	29200	20930	21900	14600	7300	6330	27440	19240	20580	13710	6850	5940
		W	4020	1990	3000	1980	980	860	3790	1910	2840	1890	940	820	3600	1840	2690	1780	880	770
100	37.8	Q(Btu/h)	32010	23350	24000	15990	8000	6930	30300	21720	22730	15150	7580	6570	28480	20200	21360	14230	7110	6160
		W	3910	1940	2930	1930	960	830	3690	1860	2770	1840	920	790	3510	1780	2620	1730	860	740
95	35.0	Q(Btu/h)	33170	24190	24870	16570	8280	7170	31400	22500	23550	15700	7850	6800	29510	21150	22130	14740	7370	6380
		W	3790	1890	2830	1860	930	810	3580	1800	2680	1780	890	770	3400	1720	2540	1670	830	720
90	32.2	Q(Btu/h)	34500	24980	25860	17240	8620	7470	32660	23400	24490	16330	8170	7080	30700	21940	23010	15340	7670	6640
		W	3660	1830	2740	1810	900	780	3450	1740	2590	1730	870	750	3280	1660	2450	1630	810	700
85	29.4	Q(Btu/h)	35820	25760	26850	17900	8940	7750	33910	24300	25430	16960	8480	7350	31870	22730	23890	15930	7960	6890
		W	3510	1760	2620	1740	860	750	3310	1670	2480	1660	830	720	3150	1590	2350	1560	780	680
80	26.7	Q(Btu/h)	37150	26660	27860	18550	9270	8030	35170	25200	26380	17580	8790	7620	33060	23630	24790	16510	8250	7150
		W	3350	1680	2510	1650	820	720	3160	1590	2370	1580	790	690	3000	1520	2240	1490	740	650
75	23.9	Q(Btu/h)	38470	27560	28850	19230	9620	8330	36420	26100	27320	18220	9120	7900	34230	24530	25670	17110	8560	7410
		W	3190	1600	2390	1580	790	690	3010	1510	2260	1510	760	660	2860	1440	2140	1420	710	620
70	21.1	Q(Btu/h)	39800	28510	29840	19870	9940	8600	37680	27000	28260	18830	9420	8160	35410	25380	26550	17680	8840	7650
		W	3030	1530	2260	1500	750	650	2860	1440	2140	1430	720	620	2720	1370	2030	1340	670	580
65	18.3	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
60	15.6	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
55	12.8	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
50	10.0	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
45	7.2	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
40	4.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
35	1.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
30	-1.1	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
25	-3.9	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
20	-6.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
15	-9.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660

\* It may not reach the above capacities in low ambient temperatures.

**MSZ-GL24NA**  
**MUZ-GL24NA**  
**2) HEATING**

**Rated**  
 Q(Btu/h): 27600  
 W: 2340

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	36700	26980	27530	18350	9180	7960	38200	28080	28650	19100	9550	8280	39700	29180	29770	19850	9920	8600
		W	4060	2670	3040	2030	1010	870	3850	2530	2890	1930	960	830	3640	2390	2740	1830	910	790
60	15.6	Q(Btu/h)	36620	28870	27460	18310	9150	7940	38200	30120	28650	19100	9550	8280	39780	31370	29840	19890	9950	8620
		W	4000	2640	3000	2000	1000	860	3800	2510	2850	1900	950	820	3600	2380	2700	1800	900	780
55	12.8	Q(Btu/h)	36490	30710	27370	18250	9120	7910	38200	32150	28650	19100	9550	8280	39910	33590	29930	19950	9980	8650
		W	3940	2610	2960	1980	990	850	3740	2480	2810	1880	940	810	3540	2350	2660	1780	890	770
50	10.0	Q(Btu/h)	35790	28830	26840	17890	8950	7760	37600	30290	28200	18800	9400	8150	39410	31750	29560	19710	9850	8540
		W	3890	2570	2920	1950	980	850	3690	2440	2770	1850	930	810	3490	2310	2620	1750	880	770
45	7.2	Q(Btu/h)	35090	26960	26320	17540	8770	7610	37000	28430	27750	18500	9250	8020	38910	29900	29180	19460	9730	8430
		W	3820	2520	2880	1920	960	830	3630	2390	2730	1820	910	790	3440	2260	2580	1720	860	750
43	6.1	Q(Btu/h)	34940	26130	26210	17470	8740	7580	36900	27600	27680	18450	9230	8000	38860	29070	29150	19430	9720	8420
		W	3770	2470	2820	1880	940	810	3580	2340	2680	1780	890	770	3390	2210	2540	1680	840	730
40	4.4	Q(Btu/h)	32550	24970	24410	16280	8140	7050	34450	26430	25840	17230	8610	7460	36350	27890	27270	18180	9080	7870
		W	3740	2430	2800	1880	940	810	3550	2310	2660	1780	890	770	3360	2190	2520	1680	840	730
35	1.7	Q(Btu/h)	30120	23000	22590	15060	7530	6520	32000	24430	24000	16000	8000	6930	33880	25860	25410	16940	8470	7340
		W	3710	2340	2780	1850	930	800	3520	2220	2640	1760	880	760	3330	2100	2500	1670	830	720
30	-1.1	Q(Btu/h)	27710	21160	20780	13860	6930	6000	29550	22570	22160	14780	7390	6400	31390	23980	23540	15700	7850	6800
		W	3660	2220	2740	1820	910	790	3470	2110	2600	1730	860	750	3280	2000	2460	1640	810	710
25	-3.9	Q(Btu/h)	25290	19320	18970	12640	6330	5490	27100	20700	20330	13550	6780	5880	28910	22080	21690	14460	7230	6270
		W	3590	2110	2700	1800	910	790	3410	2000	2560	1710	860	750	3230	1890	2420	1620	810	710
20	-6.7	Q(Btu/h)	23970	17470	17980	11990	5990	5190	25850	18840	19390	12930	6460	5600	27730	20210	20800	13870	6930	6010
		W	3470	1940	2600	1740	870	760	3290	1840	2470	1650	830	720	3110	1740	2340	1560	790	680
15	-9.4	Q(Btu/h)	22600	15590	16950	11300	5650	4900	24600	16970	18450	12300	6150	5330	26600	18350	19950	13300	6650	5760
		W	3330	1770	2490	1660	830	720	3160	1680	2360	1580	790	680	2990	1590	2230	1500	750	640
10	-12.2	Q(Btu/h)	20320	13640	15240	10160	5080	4400	22400	15040	16800	11200	5600	4850	24480	16440	18360	12240	6120	5300
		W	3240	1580	2430	1620	810	710	3080	1500	2310	1540	770	670	2920	1420	2190	1460	730	630
5	-15.0	Q(Btu/h)	17990	11680	13490	9000	4500	3900	20200	13110	15150	10100	5050	4380	22410	14540	16810	11200	5600	4860
		W	3150	1390	2360	1570	780	670	2990	1320	2240	1490	740	640	2830	1250	2120	1410	700	610
0	-17.8	Q(Btu/h)	15620	9730	11720	7810	3910	3390	18000	11210	13500	9000	4500	3900	20380	12690	15280	10190	5090	4410
		W	3060	1290	2300	1530	770	660	2900	1220	2180	1450	730	630	2740	1150	2060	1370	690	600
-4	-20.0	Q(Btu/h)	13340	7850	10010	6670	3340	2890	15800	9300	11850	7900	3950	3420	18260	10750	13690	9130	4560	3950
		W	2930	1180	2190	1450	730	630	2780	1120	2080	1380	690	600	2630	1060	1970	1310	650	570

\* Above data is for heating operation without any frost.

**MSZ-GL24NA**  
**MUZ-GL24NAH**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 22500  
 W: 1800

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	28360	20700	21270	14170	7090	6140	26850	19240	20140	13430	6720	5820	25240	17550	18920	12610	6310	5460
		W	4210	2070	3150	2070	1030	900	3970	2000	2980	1980	990	860	3770	1910	2820	1860	920	810
110	43.3	Q(Btu/h)	29610	21600	22210	14810	7400	6410	28030	20090	21030	14030	7020	6080	26340	18400	19760	13180	6590	5700
		W	4110	2030	3080	2020	1010	880	3880	1960	2910	1930	970	840	3690	1880	2760	1810	910	790
105	40.6	Q(Btu/h)	30840	22500	23130	15410	7700	6670	29200	20930	21900	14600	7300	6330	27440	19240	20580	13710	6850	5940
		W	4020	1990	3000	1980	980	860	3790	1910	2840	1890	940	820	3600	1840	2690	1780	880	770
100	37.8	Q(Btu/h)	32010	23350	24000	15990	8000	6930	30300	21720	22730	15150	7580	6570	28480	20200	21360	14230	7110	6160
		W	3910	1940	2930	1930	960	830	3690	1860	2770	1840	920	790	3510	1780	2620	1730	860	740
95	35.0	Q(Btu/h)	33170	24190	24870	16570	8280	7170	31400	22500	23550	15700	7850	6800	29510	21150	22130	14740	7370	6380
		W	3790	1890	2830	1860	930	810	3580	1800	2680	1780	890	770	3400	1720	2540	1670	830	720
90	32.2	Q(Btu/h)	34500	24980	25860	17240	8620	7470	32660	23400	24490	16330	8170	7080	30700	21940	23010	15340	7670	6640
		W	3660	1830	2740	1810	900	780	3450	1740	2590	1730	870	750	3280	1660	2450	1630	810	700
85	29.4	Q(Btu/h)	35820	25760	26850	17900	8940	7750	33910	24300	25430	16960	8480	7350	31870	22730	23890	15930	7960	6890
		W	3510	1760	2620	1740	860	750	3310	1670	2480	1660	830	720	3150	1590	2350	1560	780	680
80	26.7	Q(Btu/h)	37150	26660	27860	18550	9270	8030	35170	25200	26380	17580	8790	7620	33060	23630	24790	16510	8250	7150
		W	3350	1680	2510	1650	820	720	3160	1590	2370	1580	790	690	3000	1520	2240	1490	740	650
75	23.9	Q(Btu/h)	38470	27560	28850	19230	9620	8330	36420	26100	27320	18220	9120	7900	34230	24530	25670	17110	8560	7410
		W	3190	1600	2390	1580	790	690	3010	1510	2260	1510	760	660	2860	1440	2140	1420	710	620
70	21.1	Q(Btu/h)	39800	28510	29840	19870	9940	8600	37680	27000	28260	18830	9420	8160	35410	25380	26550	17680	8840	7650
		W	3030	1530	2260	1500	750	650	2860	1440	2140	1430	720	620	2720	1370	2030	1340	670	580
65	18.3	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
60	15.6	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
55	12.8	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
50	10.0	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
45	7.2	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
40	4.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
35	1.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
30	-1.1	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
25	-3.9	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
20	-6.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
15	-9.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660

\* It may not reach the above capacities in low ambient temperatures.

**MSZ-GL24NA**  
**MUZ-GL24NAH**  
**2) HEATING**

**Rated**  
 Q(Btu/h): 27600  
 W: 2340

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	36700	26980	27530	18350	9180	7960	38200	28080	28650	19100	9550	8280	39700	29180	29770	19850	9920	8600
		W	4060	2670	3040	2030	1010	870	3850	2530	2890	1930	960	830	3640	2390	2740	1830	910	790
60	15.6	Q(Btu/h)	36620	28870	27460	18310	9150	7940	38200	30120	28650	19100	9550	8280	39780	31370	29840	19890	9950	8620
		W	4000	2640	3000	2000	1000	860	3800	2510	2850	1900	950	820	3600	2380	2700	1800	900	780
55	12.8	Q(Btu/h)	36490	30710	27370	18250	9120	7910	38200	32150	28650	19100	9550	8280	39910	33590	29930	19950	9980	8650
		W	3940	2610	2960	1980	990	850	3740	2480	2810	1880	940	810	3540	2350	2660	1780	890	770
50	10.0	Q(Btu/h)	35790	28830	26840	17890	8950	7760	37600	30290	28200	18800	9400	8150	39410	31750	29560	19710	9850	8540
		W	3890	2570	2920	1950	980	850	3690	2440	2770	1850	930	810	3490	2310	2620	1750	880	770
45	7.2	Q(Btu/h)	35090	26960	26320	17540	8770	7610	37000	28430	27750	18500	9250	8020	38910	29900	29180	19460	9730	8430
		W	3820	2520	2880	1920	960	830	3630	2390	2730	1820	910	790	3440	2260	2580	1720	860	750
43	6.1	Q(Btu/h)	34940	26130	26210	17470	8740	7580	36900	27600	27680	18450	9230	8000	38860	29070	29150	19430	9720	8420
		W	3770	2470	2820	1880	940	810	3580	2340	2680	1780	890	770	3390	2210	2540	1680	840	730
40	4.4	Q(Btu/h)	32550	24970	24410	16280	8140	7050	34450	26430	25840	17230	8610	7460	36350	27890	27270	18180	9080	7870
		W	3740	2430	2800	1880	940	810	3550	2310	2660	1780	890	770	3360	2190	2520	1680	840	730
35	1.7	Q(Btu/h)	30120	23000	22590	15060	7530	6520	32000	24430	24000	16000	8000	6930	33880	25860	25410	16940	8470	7340
		W	3710	2340	2780	1850	930	800	3520	2220	2640	1760	880	760	3330	2100	2500	1670	830	720
30	-1.1	Q(Btu/h)	27710	21160	20780	13860	6930	6000	29550	22570	22160	14780	7390	6400	31390	23980	23540	15700	7850	6800
		W	3790	2350	2870	1950	1040	920	3600	2240	2730	1860	990	880	3410	2130	2590	1770	940	840
25	-3.9	Q(Btu/h)	25290	19320	18970	12640	6330	5490	27100	20700	20330	13550	6780	5880	28910	22080	21690	14460	7230	6270
		W	3720	2240	2830	1930	1040	920	3540	2130	2690	1840	990	880	3360	2020	2550	1750	940	840
20	-6.7	Q(Btu/h)	23970	17470	17980	11990	5990	5190	25850	18840	19390	12930	6460	5600	27730	20210	20800	13870	6930	6010
		W	3600	2070	2730	1870	1000	890	3420	1970	2600	1780	960	850	3240	1870	2470	1690	920	810
15	-9.4	Q(Btu/h)	22600	15590	16950	11300	5650	4900	24600	16970	18450	12300	6150	5330	26600	18350	19950	13300	6650	5760
		W	3460	1900	2620	1790	960	850	3290	1810	2490	1710	920	810	3120	1720	2360	1630	880	770
10	-12.2	Q(Btu/h)	20320	13640	15240	10160	5080	4400	22400	15040	16800	11200	5600	4850	24480	16440	18360	12240	6120	5300
		W	3370	1710	2560	1750	940	840	3210	1630	2440	1670	900	800	3050	1550	2320	1590	860	760
5	-15.0	Q(Btu/h)	17990	11680	13490	9000	4500	3900	20200	13110	15150	10100	5050	4380	22410	14540	16810	11200	5600	4860
		W	3280	1520	2490	1700	910	800	3120	1450	2370	1620	870	770	2960	1380	2250	1540	830	740
0	-17.8	Q(Btu/h)	15620	9730	11720	7810	3910	3390	18000	11210	13500	9000	4500	3900	20380	12690	15280	10190	5090	4410
		W	3190	1420	2430	1660	900	790	3030	1350	2310	1580	860	760	2870	1280	2190	1500	820	730
-4	-20.0	Q(Btu/h)	13340	7850	10010	6670	3340	2890	15800	9300	11850	7900	3950	3420	18260	10750	13690	9130	4560	3950
		W	3060	1310	2320	1580	860	760	2910	1250	2210	1510	820	730	2760	1190	2100	1440	780	700

\* Above data is for heating operation without any frost.

**MSY-GL09NA**  
**MUY-GL09NA**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 9000  
 W: 585

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C					67°F / 19.4°C					63°F / 17.2°C						
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%
115	46.1	Q(Btu/h)	11020	8280	8290	5570	- 3320	10430	7700	7850	5270	- 3140	9800	7020	7380	4960	- 2960		
		W	1240	670	930	650	- 400	1170	650	880	600	- 360	1120	620	840	590	- 360		
110	43.3	Q(Btu/h)	11510	8640	8660	5830	- 3470	10890	8040	8200	5510	- 3280	10240	7360	7710	5190	- 3090		
		W	1200	660	910	630	- 390	1140	640	860	580	- 350	1090	610	820	570	- 350		
105	40.6	Q(Btu/h)	11990	9000	9020	6060	- 3610	11350	8370	8540	5730	- 3410	10670	7700	8030	5390	- 3210		
		W	1170	650	880	600	- 370	1110	620	830	550	- 330	1060	600	790	540	- 330		
100	37.8	Q(Btu/h)	12450	9340	9370	6290	- 3750	11780	8690	8870	5950	- 3540	11070	8080	8340	5600	- 3330		
		W	1140	630	870	600	- 370	1080	600	820	550	- 330	1030	580	780	540	- 330		
95	35.0	Q(Btu/h)	12890	9680	9700	6520	- 3900	12200	9000	9180	6170	- 3680	11470	8460	8630	5810	- 3460		
		W	1110	610	840	590	- 370	1050	585	790	540	- 330	1000	560	750	530	- 330		
90	32.2	Q(Btu/h)	13410	10000	10090	6780	- 4040	12690	9360	9550	6410	- 3820	11930	8780	8980	6030	- 3600		
		W	1070	590	810	550	- 330	1010	560	760	500	- 300	960	540	730	490	- 300		
85	29.4	Q(Btu/h)	13930	10310	10480	7040	- 4200	13180	9720	9920	6660	- 3970	12390	9090	9320	6270	- 3740		
		W	1030	570	770	550	- 330	970	540	730	500	- 300	930	520	700	490	- 300		
80	26.7	Q(Btu/h)	14440	10670	10870	7320	- 4360	13670	10080	10290	6920	- 4120	12850	9450	9670	6510	- 3880		
		W	980	550	740	510	- 310	930	520	700	470	- 280	890	500	670	460	- 280		
75	23.9	Q(Btu/h)	14950	11030	11250	7560	- 4510	14150	10440	10650	7150	- 4260	13300	9810	10010	6730	- 4010		
		W	930	520	700	480	- 290	880	490	660	440	- 260	840	470	630	430	- 260		
70	21.1	Q(Btu/h)	15470	11410	11640	7810	- 4660	14640	10800	11020	7390	- 4400	13760	10150	10360	6960	- 4140		
		W	890	500	670	470	- 290	840	470	630	430	- 260	800	450	600	420	- 260		
65	18.3	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
60	15.6	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
55	12.8	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
50	10.0	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
45	7.2	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
40	4.4	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
35	1.7	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
30	-1.1	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
25	-3.9	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
20	-6.7	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		
15	-9.4	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550		
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300		

\* It may not reach the above capacities in low ambient temperatures.

**MSY-GL12NA**  
**MUY-GL12NA**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 12000  
 W: 920

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)	Q(Btu/h)																		
115	46.1	Q(Btu/h)	12280	11040	9270	6130	3130	1260	11630	10260	8780	5810	2970	1190	10920	9360	8240	5450	2790	1120
		W	1530	1060	1150	760	390	150	1440	1020	1080	710	360	140	1370	980	1030	680	350	130
110	43.3	Q(Btu/h)	12820	11520	9680	6400	3260	1310	12140	10710	9170	6070	3090	1240	11400	9810	8610	5690	2900	1170
		W	1500	1040	1140	760	390	150	1410	1000	1070	710	360	140	1350	960	1020	680	350	130
105	40.6	Q(Btu/h)	13360	12000	10080	6670	3410	1360	12650	11160	9550	6330	3230	1290	11880	10260	8970	5940	3030	1220
		W	1470	1020	1100	740	380	150	1380	980	1040	690	350	140	1320	940	990	660	340	130
100	37.8	Q(Btu/h)	13860	12450	10460	6920	3520	1410	13130	11580	9910	6560	3340	1340	12330	10770	9300	6150	3130	1270
		W	1430	1000	1070	710	360	140	1340	950	1010	660	340	130	1280	910	960	640	330	120
95	35.0	Q(Btu/h)	14360	12900	10840	7160	3660	1470	13600	12000	10270	6790	3470	1390	12770	11280	9640	6370	3250	1310
		W	1380	970	1040	710	360	140	1300	920	980	660	340	130	1240	880	930	640	330	120
90	32.2	Q(Btu/h)	14940	13320	11280	7470	3810	1520	14150	12480	10690	7080	3610	1440	13290	11700	10040	6640	3390	1360
		W	1330	940	1000	670	330	130	1250	890	940	620	310	120	1190	850	890	600	300	110
85	29.4	Q(Btu/h)	15510	13740	11700	7740	3940	1580	14690	12960	11090	7340	3740	1500	13800	12120	10410	6880	3510	1420
		W	1280	900	970	650	330	130	1200	850	910	610	310	120	1140	810	870	590	300	110
80	26.7	Q(Btu/h)	16090	14220	12140	8040	4100	1650	15240	13440	11500	7620	3890	1560	14310	12600	10800	7150	3650	1470
		W	1220	860	920	610	300	120	1150	810	870	570	280	110	1100	780	830	550	270	100
75	23.9	Q(Btu/h)	16660	14700	12580	8320	4250	1700	15780	13920	11920	7890	4030	1610	14820	13080	11190	7400	3780	1520
		W	1160	820	870	590	300	120	1090	770	820	550	280	110	1040	740	780	530	270	100
70	21.1	Q(Btu/h)	17230	15210	13000	8600	4390	1760	16320	14400	12320	8160	4160	1670	15330	13530	11570	7650	3900	1580
		W	1110	780	830	550	280	110	1040	730	780	510	260	100	990	700	740	490	250	90
65	18.3	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
60	15.6	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
55	12.8	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
50	10.0	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
45	7.2	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
40	4.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
35	1.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
30	-1.1	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
25	-3.9	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
20	-6.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
15	-9.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80

\* It may not reach the above capacities in low ambient temperatures.

**MSY-GL15NA**  
**MUY-GL15NA**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 14000  
 W: 1080

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	16440	12880	12410	8210	4200	2730	15560	11970	11750	7780	3980	2590	14620	10920	11040	7310	3740	2430
		W	2350	1240	1770	1200	610	390	2220	1200	1680	1120	580	380	2110	1140	1600	1080	550	350
110	43.3	Q(Btu/h)	17170	13440	12970	8580	4390	2860	16250	12500	12280	8130	4160	2710	15270	11450	11540	7640	3910	2540
		W	2300	1220	1730	1160	580	370	2170	1170	1640	1080	550	360	2070	1120	1560	1040	520	330
105	40.6	Q(Btu/h)	17880	14000	13500	8950	4580	2980	16930	13020	12790	8480	4340	2830	15910	11970	12020	7970	4070	2650
		W	2250	1190	1690	1150	580	370	2120	1140	1600	1070	550	360	2020	1100	1520	1030	520	330
100	37.8	Q(Btu/h)	18560	14530	14010	9270	4740	3090	17570	13510	13270	8780	4490	2930	16510	12570	12470	8250	4220	2750
		W	2180	1160	1640	1100	550	350	2060	1110	1550	1030	530	340	1960	1070	1480	990	510	320
95	35.0	Q(Btu/h)	19230	15050	14520	9610	4910	3190	18200	14000	13750	9100	4650	3030	17110	13160	12920	8550	4370	2840
		W	2120	1130	1590	1070	530	340	2000	1080	1510	1000	510	330	1900	1030	1440	960	490	310
90	32.2	Q(Btu/h)	20000	15540	15110	10010	5120	3330	18930	14560	14310	9480	4850	3160	17790	13650	13450	8910	4550	2960
		W	2040	1090	1540	1050	520	340	1930	1040	1460	980	500	330	1840	1000	1390	940	480	310
85	29.4	Q(Btu/h)	20770	16030	15680	10380	5310	3460	19660	15120	14850	9830	5030	3280	18480	14140	13960	9230	4720	3080
		W	1960	1050	1480	1000	500	320	1850	1000	1400	930	480	310	1760	960	1330	900	460	290
80	26.7	Q(Btu/h)	21540	16590	16260	10760	5490	3570	20390	15680	15400	10190	5200	3390	19160	14700	14470	9570	4880	3180
		W	1880	1010	1400	940	470	300	1770	960	1330	880	450	290	1690	910	1270	850	430	270
75	23.9	Q(Btu/h)	22300	17150	16840	11150	5700	3710	21110	16240	15950	10560	5400	3520	19840	15260	14990	9920	5070	3300
		W	1780	960	1340	890	450	290	1680	910	1270	830	430	280	1600	860	1210	800	410	260
70	21.1	Q(Btu/h)	23070	17740	17420	11540	5900	3840	21840	16800	16500	10930	5590	3640	20530	15790	15510	10270	5250	3410
		W	1700	910	1280	860	430	280	1600	860	1210	800	410	270	1520	810	1150	770	390	250
65	18.3	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
60	15.6	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
55	12.8	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
50	10.0	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
45	7.2	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
40	4.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
35	1.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
30	-1.1	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
25	-3.9	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
20	-6.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
15	-9.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260

\* It may not reach the above capacities in low ambient temperatures.

**MSY-GL18NA**  
**MUY-GL18NA**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 18000  
 W: 1340

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	19860	16560	15000	9930	5050	4040	18810	15390	14200	9400	4790	3830	17670	14040	13350	8830	4500	3590
		W	2520	1540	1900	1250	620	500	2390	1490	1810	1200	610	490	2270	1420	1720	1130	560	450
110	43.3	Q(Btu/h)	20740	17280	15670	10370	5290	4230	19640	16070	14830	9820	5010	4010	18450	14720	13940	9230	4700	3760
		W	2470	1510	1860	1220	600	490	2340	1460	1770	1170	590	480	2220	1400	1680	1110	540	440
105	40.6	Q(Btu/h)	21610	18000	16320	10800	5510	4400	20460	16740	15450	10220	5220	4170	19230	15390	14530	9600	4900	3910
		W	2410	1480	1810	1200	600	480	2280	1420	1720	1150	590	470	2170	1370	1630	1090	540	430
100	37.8	Q(Btu/h)	22420	18680	16940	11210	5710	4570	21230	17370	16030	10610	5410	4330	19950	16160	15070	9970	5080	4060
		W	2340	1450	1760	1150	570	460	2220	1380	1670	1100	560	450	2110	1330	1580	1040	510	410
95	35.0	Q(Btu/h)	23230	19350	17560	11620	5920	4740	22000	18000	16620	11000	5610	4490	20670	16920	15630	10340	5270	4210
		W	2270	1410	1700	1120	550	440	2150	1340	1620	1070	540	430	2040	1280	1540	1010	490	400
90	32.2	Q(Btu/h)	24160	19980	18260	12090	6160	4930	22880	18720	17280	11440	5840	4670	21500	17550	16250	10750	5480	4380
		W	2180	1360	1640	1090	540	440	2070	1290	1560	1040	530	430	1970	1240	1480	980	480	400
85	29.4	Q(Btu/h)	25090	20610	18970	12550	6400	5120	23760	19440	17950	11880	6060	4850	22330	18180	16880	11160	5690	4550
		W	2100	1310	1590	1040	520	420	1990	1240	1510	1000	510	410	1890	1190	1430	950	470	380
80	26.7	Q(Btu/h)	26020	21330	19660	13020	6630	5310	24640	20160	18610	12320	6280	5030	23150	18900	17500	11580	5890	4720
		W	2000	1250	1510	1000	500	400	1900	1190	1440	960	490	390	1810	1130	1370	910	450	360
75	23.9	Q(Btu/h)	26950	22050	20360	13480	6870	5500	25520	20880	19270	12760	6510	5210	23980	19620	18120	11990	6110	4890
		W	1910	1190	1440	950	480	380	1810	1130	1370	910	470	370	1720	1070	1300	860	430	340
70	21.1	Q(Btu/h)	27880	22810	21070	13960	7110	5690	26400	21600	19940	13210	6740	5390	24810	20300	18750	12410	6330	5060
		W	1800	1130	1370	900	450	360	1710	1070	1300	860	440	350	1620	1010	1230	810	400	320
65	18.3	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
60	15.6	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
55	12.8	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
50	10.0	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
45	7.2	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
40	4.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
35	1.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
30	-1.1	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
25	-3.9	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
20	-6.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
15	-9.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360

\* It may not reach the above capacities in low ambient temperatures.

**MSY-GL24NA**  
**MUY-GL24NA**  
**1) COOLING**

**Rated**  
 Q(Btu/h): 22500  
 W: 1800

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	28360	20700	21270	14170	7090	6140	26850	19240	20140	13430	6720	5820	25240	17550	18920	12610	6310	5460
		W	4210	2070	3150	2070	1030	900	3970	2000	2980	1980	990	860	3770	1910	2820	1860	920	810
110	43.3	Q(Btu/h)	29610	21600	22210	14810	7400	6410	28030	20090	21030	14030	7020	6080	26340	18400	19760	13180	6590	5700
		W	4110	2030	3080	2020	1010	880	3880	1960	2910	1930	970	840	3690	1880	2760	1810	910	790
105	40.6	Q(Btu/h)	30840	22500	23130	15410	7700	6670	29200	20930	21900	14600	7300	6330	27440	19240	20580	13710	6850	5940
		W	4020	1990	3000	1980	980	860	3790	1910	2840	1890	940	820	3600	1840	2690	1780	880	770
100	37.8	Q(Btu/h)	32010	23350	24000	15990	8000	6930	30300	21720	22730	15150	7580	6570	28480	20200	21360	14230	7110	6160
		W	3910	1940	2930	1930	960	830	3690	1860	2770	1840	920	790	3510	1780	2620	1730	860	740
95	35.0	Q(Btu/h)	33170	24190	24870	16570	8280	7170	31400	22500	23550	15700	7850	6800	29510	21150	22130	14740	7370	6380
		W	3790	1890	2830	1860	930	810	3580	1800	2680	1780	890	770	3400	1720	2540	1670	830	720
90	32.2	Q(Btu/h)	34500	24980	25860	17240	8620	7470	32660	23400	24490	16330	8170	7080	30700	21940	23010	15340	7670	6640
		W	3660	1830	2740	1810	900	780	3450	1740	2590	1730	870	750	3280	1660	2450	1630	810	700
85	29.4	Q(Btu/h)	35820	25760	26850	17900	8940	7750	33910	24300	25430	16960	8480	7350	31870	22730	23890	15930	7960	6890
		W	3510	1760	2620	1740	860	750	3310	1670	2480	1660	830	720	3150	1590	2350	1560	780	680
80	26.7	Q(Btu/h)	37150	26660	27860	18550	9270	8030	35170	25200	26380	17580	8790	7620	33060	23630	24790	16510	8250	7150
		W	3350	1680	2510	1650	820	720	3160	1590	2370	1580	790	690	3000	1520	2240	1490	740	650
75	23.9	Q(Btu/h)	38470	27560	28850	19230	9620	8330	36420	26100	27320	18220	9120	7900	34230	24530	25670	17110	8560	7410
		W	3190	1600	2390	1580	790	690	3010	1510	2260	1510	760	660	2860	1440	2140	1420	710	620
70	21.1	Q(Btu/h)	39800	28510	29840	19870	9940	8600	37680	27000	28260	18830	9420	8160	35410	25380	26550	17680	8840	7650
		W	3030	1530	2260	1500	750	650	2860	1440	2140	1430	720	620	2720	1370	2030	1340	670	580
65	18.3	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
60	15.6	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
55	12.8	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
50	10.0	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
45	7.2	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
40	4.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
35	1.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
30	-1.1	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
25	-3.9	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
20	-6.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
15	-9.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660

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