

OUTDOOR UNIT

No. OBD821

TECHNICAL DATA

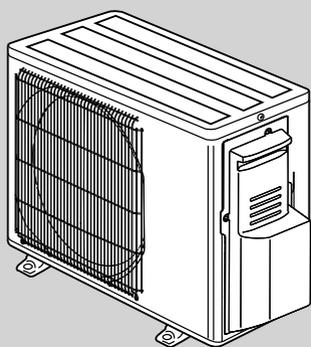


Models

MUZ-JP09WA - U1

MUZ-JP12WA - U1

Indoor unit technical data
MSZ-JP•WA Series (OBD820)
Indoor unit service manual
MSZ-JP•WA Series (OBH820)
Outdoor unit service manual
MUZ-JP•WA Series (OBH821)



MUZ-JP09WA

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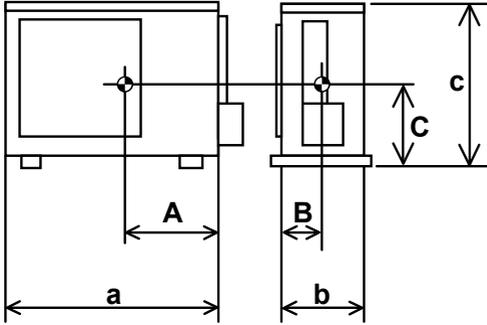
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1

POSITION OF THE CENTER OF GRAVITY

1-1. OUTDOOR UNIT

Unit: inch(mm)



Model name	A	B	C	a	b	c
MUZ-JP09WA	11-1/16	5-9/16	9-1/2	31-1/2	11-1/4	21-5/8
MUZ-JP12WA	(280)	(140)	(240)	(800)	(285)	(550)

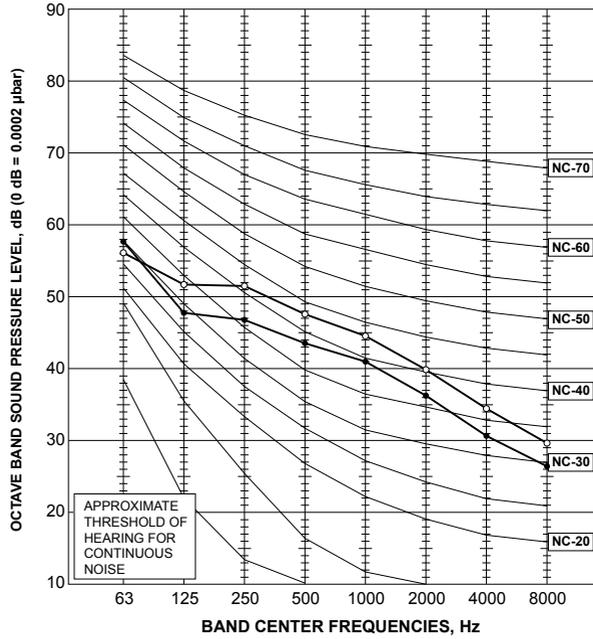
2

NOISE CRITERION CURVES

2-1. OUTDOOR UNIT

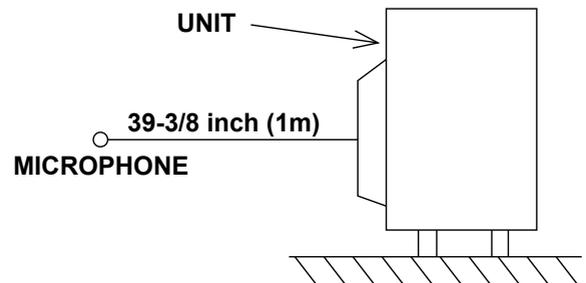
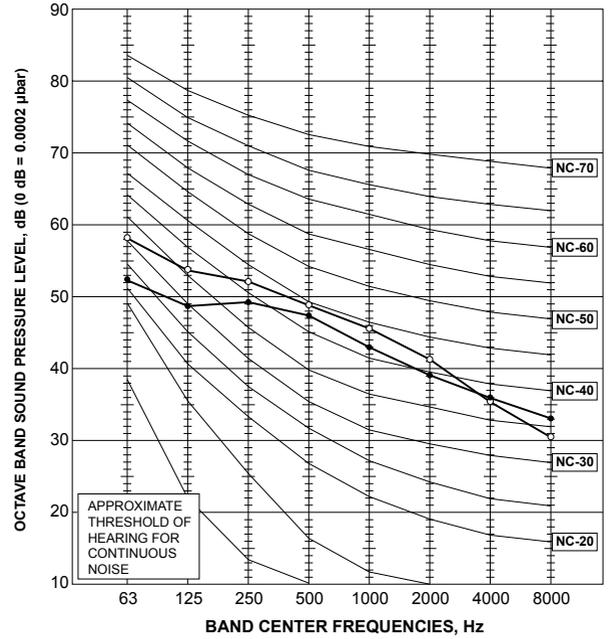
MUZ-JP09WA

NOTCH	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	50	○—○



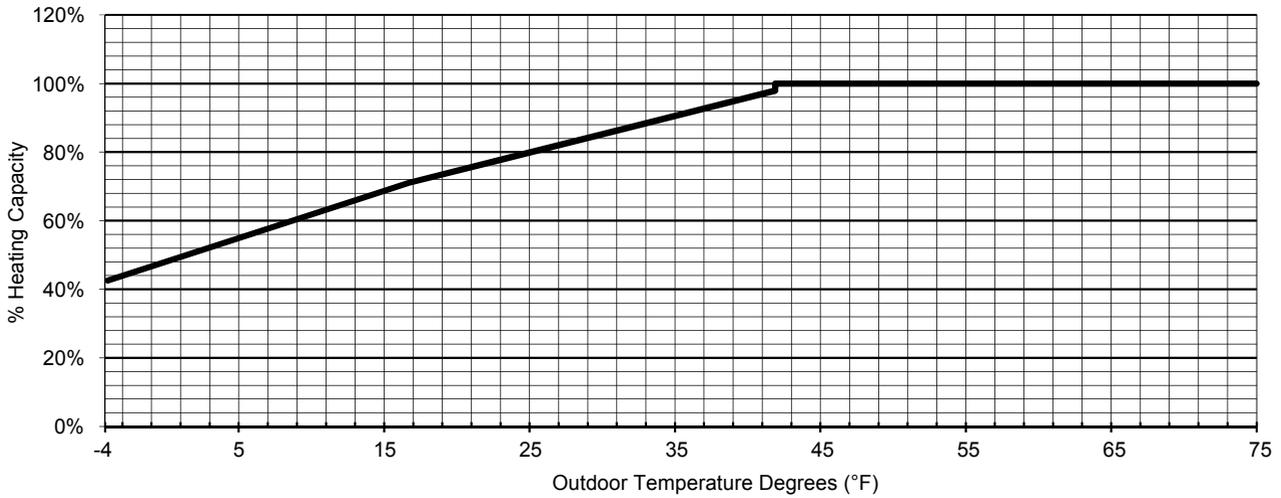
MUZ-JP12WA

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



3 MAX. HEATING CAPACITY IN LOW AMBIENT TEMPERATURE

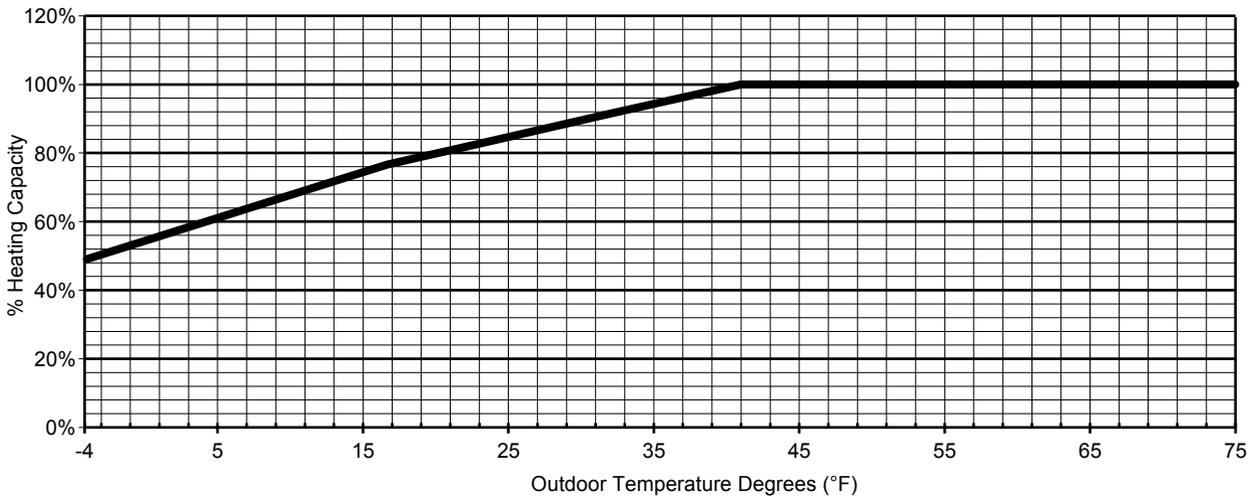
MUZ-JP09WA - U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	43%	55%	67%	78%	87%	97%	100%	100%	100%

MUZ-JP12WA - U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	48%	61%	74%	83%	92%	100%	100%	100%	100%

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PERFORMANCE CHART

4-1. INVERTER COOLING CAPACITY MUZ-JP09WA

CAPACITY (Btu/h): 9000 INPUT (W): 750 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	6768	0.64	600	10125	6480	0.64	630	9720	6221	0.64	660	9360	5990	0.64	690
70	68	11025	5733	0.52	630	10575	5499	0.52	668	10260	5335	0.52	683	9900	5148	0.52	713
72	64	10575	7191	0.68	600	10125	6885	0.68	630	9720	6610	0.68	660	9360	6365	0.68	690
72	68	11025	6174	0.56	630	10575	5922	0.56	668	10260	5746	0.56	683	9900	5544	0.56	713
72	72	11475	5049	0.44	653	11070	4871	0.44	694	10800	4752	0.44	713	10350	4554	0.44	743
73	64	10575	7614	0.72	600	10125	7290	0.72	630	9720	6998	0.72	660	9360	6739	0.72	690
73	68	11025	6615	0.60	630	10575	6345	0.60	668	10260	6156	0.60	683	9900	5940	0.60	713
73	72	11475	5508	0.48	653	11070	5314	0.48	694	10800	5184	0.48	713	10350	4968	0.48	743
75	64	10575	8037	0.76	600	10125	7695	0.76	630	9720	7387	0.76	660	9360	7114	0.76	690
75	68	11025	7056	0.64	630	10575	6768	0.64	668	10260	6566	0.64	683	9900	6336	0.64	713
75	72	11475	5967	0.52	653	11070	5756	0.52	694	10800	5616	0.52	713	10350	5382	0.52	743
75	75	12060	4824	0.40	683	11610	4644	0.40	720	11340	4536	0.40	743	10980	4392	0.40	780
77	64	10575	8460	0.80	600	10125	8100	0.80	630	9720	7776	0.80	660	9360	7488	0.80	690
77	68	11025	7497	0.68	630	10575	7191	0.68	668	10260	6977	0.68	683	9900	6732	0.68	713
77	72	11475	6426	0.56	653	11070	6199	0.56	694	10800	6048	0.56	713	10350	5796	0.56	743
77	75	12060	5306	0.44	683	11610	5108	0.44	720	11340	4990	0.44	743	10980	4831	0.44	780
79	64	10575	8883	0.84	600	10125	8505	0.84	630	9720	8165	0.84	660	9360	7862	0.84	690
79	68	11025	7938	0.72	630	10575	7614	0.72	668	10260	7387	0.72	683	9900	7128	0.72	713
79	72	11475	6885	0.60	653	11070	6642	0.60	694	10800	6480	0.60	713	10350	6210	0.60	743
79	75	12060	5789	0.48	683	11610	5573	0.48	720	11340	5443	0.48	743	10980	5270	0.48	780
79	79	12420	4471	0.36	720	12060	4342	0.36	758	11880	4277	0.36	780	11520	4147	0.36	803
81	64	10575	9306	0.88	600	10125	8910	0.88	630	9720	8554	0.88	660	9360	8237	0.88	690
81	68	11025	8379	0.76	630	10575	8037	0.76	668	10260	7798	0.76	683	9900	7524	0.76	713
81	72	11475	7344	0.64	653	11070	7085	0.64	694	10800	6912	0.64	713	10350	6624	0.64	743
81	75	12060	6271	0.52	683	11610	6037	0.52	720	11340	5897	0.52	743	10980	5710	0.52	780
81	79	12420	4968	0.40	720	12060	4824	0.40	758	11880	4752	0.40	780	11520	4608	0.40	803
82	64	10575	9729	0.92	600	10125	9315	0.92	630	9720	8942	0.92	660	9360	8611	0.92	690
82	68	11025	8820	0.80	630	10575	8460	0.80	668	10260	8208	0.80	683	9900	7920	0.80	713
82	72	11475	7803	0.68	653	11070	7528	0.68	694	10800	7344	0.68	713	10350	7038	0.68	743
82	75	12060	6754	0.56	683	11610	6502	0.56	720	11340	6350	0.56	743	10980	6149	0.56	780
82	79	12420	5465	0.44	720	12060	5306	0.44	758	11880	5227	0.44	780	11520	5069	0.44	803
84	64	10575	10152	0.96	600	10125	9720	0.96	630	9720	9331	0.96	660	9360	8986	0.96	690
84	68	11025	9261	0.84	630	10575	8883	0.84	668	10260	8618	0.84	683	9900	8316	0.84	713
84	72	11475	8262	0.72	653	11070	7970	0.72	694	10800	7776	0.72	713	10350	7452	0.72	743
84	75	12060	7236	0.60	683	11610	6966	0.60	720	11340	6804	0.60	743	10980	6588	0.60	780
84	79	12420	5962	0.48	720	12060	5789	0.48	758	11880	5702	0.48	780	11520	5530	0.48	803
86	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
86	68	11025	9702	0.88	630	10575	9306	0.88	668	10260	9029	0.88	683	9900	8712	0.88	713
86	72	11475	8721	0.76	653	11070	8413	0.76	694	10800	8208	0.76	713	10350	7866	0.76	743
86	75	12060	7718	0.64	683	11610	7430	0.64	720	11340	7258	0.64	743	10980	7027	0.64	780
86	79	12420	6458	0.52	720	12060	6271	0.52	758	11880	6178	0.52	780	11520	5990	0.52	803
88	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
88	68	11025	10143	0.92	630	10575	9729	0.92	668	10260	9439	0.92	683	9900	9108	0.92	713
88	72	11475	9180	0.80	653	11070	8856	0.80	694	10800	8640	0.80	713	10350	8280	0.80	743
88	75	12060	8201	0.68	683	11610	7895	0.68	720	11340	7711	0.68	743	10980	7466	0.68	780
88	79	12420	6955	0.56	720	12060	6754	0.56	758	11880	6653	0.56	780	11520	6451	0.56	803
90	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
90	68	11025	10584	0.96	630	10575	10152	0.96	668	10260	9850	0.96	683	9900	9504	0.96	713
90	72	11475	9639	0.84	653	11070	9299	0.84	694	10800	9072	0.84	713	10350	8694	0.84	743
90	75	12060	8683	0.72	683	11610	8359	0.72	720	11340	8165	0.72	743	10980	7906	0.72	780
90	79	12420	7452	0.60	720	12060	7236	0.60	758	11880	7128	0.60	780	11520	6912	0.60	803

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C.: Power consumption (W) WB: Wet-bulb temperature

MUZ-JP09WA

CAPACITY (Btu/h): 9000 INPUT (W): 750 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	5645	0.64	735	8100	5184	0.64	780	7470	4781	0.64	810
70	68	9270	4820	0.52	765	8640	4493	0.52	803	8010	4165	0.52	848
72	64	8820	5998	0.68	735	8100	5508	0.68	780	7470	5080	0.68	810
72	68	9270	5191	0.56	765	8640	4838	0.56	803	8010	4486	0.56	848
72	72	9810	4316	0.44	795	9180	4039	0.44	840	8550	3762	0.44	870
73	64	8820	6350	0.72	735	8100	5832	0.72	780	7470	5378	0.72	810
73	68	9270	5562	0.60	765	8640	5184	0.60	803	8010	4806	0.60	848
73	72	9810	4709	0.48	795	9180	4406	0.48	840	8550	4104	0.48	870
75	64	8820	6703	0.76	735	8100	6156	0.76	780	7470	5677	0.76	810
75	68	9270	5933	0.64	765	8640	5530	0.64	803	8010	5126	0.64	848
75	72	9810	5101	0.52	795	9180	4774	0.52	840	8550	4446	0.52	870
75	75	10350	4140	0.40	825	9720	3888	0.40	863	9180	3672	0.40	900
77	64	8820	7056	0.80	735	8100	6480	0.80	780	7470	5976	0.80	810
77	68	9270	6304	0.68	765	8640	5875	0.68	803	8010	5447	0.68	848
77	72	9810	5494	0.56	795	9180	5141	0.56	840	8550	4788	0.56	870
77	75	10350	4554	0.44	825	9720	4277	0.44	863	9180	4039	0.44	900
79	64	8820	7409	0.84	735	8100	6804	0.84	780	7470	6275	0.84	810
79	68	9270	6674	0.72	765	8640	6221	0.72	803	8010	5767	0.72	848
79	72	9810	5886	0.60	795	9180	5508	0.60	840	8550	5130	0.60	870
79	75	10350	4968	0.48	825	9720	4666	0.48	863	9180	4406	0.48	900
79	79	10890	3920	0.36	855	10260	3694	0.36	893	9630	3467	0.36	930
81	64	8820	7762	0.88	735	8100	7128	0.88	780	7470	6574	0.88	810
81	68	9270	7045	0.76	765	8640	6566	0.76	803	8010	6088	0.76	848
81	72	9810	6278	0.64	795	9180	5875	0.64	840	8550	5472	0.64	870
81	75	10350	5382	0.52	825	9720	5054	0.52	863	9180	4774	0.52	900
81	79	10890	4356	0.40	855	10260	4104	0.40	893	9630	3852	0.40	930
82	64	8820	8114	0.92	735	8100	7452	0.92	780	7470	6872	0.92	810
82	68	9270	7416	0.80	765	8640	6912	0.80	803	8010	6408	0.80	848
82	72	9810	6671	0.68	795	9180	6242	0.68	840	8550	5814	0.68	870
82	75	10350	5796	0.56	825	9720	5443	0.56	863	9180	5141	0.56	900
82	79	10890	4792	0.44	855	10260	4514	0.44	893	9630	4237	0.44	930
84	64	8820	8467	0.96	735	8100	7776	0.96	780	7470	7171	0.96	810
84	68	9270	7787	0.84	765	8640	7258	0.84	803	8010	6728	0.84	848
84	72	9810	7063	0.72	795	9180	6610	0.72	840	8550	6156	0.72	870
84	75	10350	6210	0.60	825	9720	5832	0.60	863	9180	5508	0.60	900
84	79	10890	5227	0.48	855	10260	4925	0.48	893	9630	4622	0.48	930
86	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
86	68	9270	8158	0.88	765	8640	7603	0.88	803	8010	7049	0.88	848
86	72	9810	7456	0.76	795	9180	6977	0.76	840	8550	6498	0.76	870
86	75	10350	6624	0.64	825	9720	6221	0.64	863	9180	5875	0.64	900
86	79	10890	5663	0.52	855	10260	5335	0.52	893	9630	5008	0.52	930
88	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
88	68	9270	8528	0.92	765	8640	7949	0.92	803	8010	7369	0.92	848
88	72	9810	7848	0.80	795	9180	7344	0.80	840	8550	6840	0.80	870
88	75	10350	7038	0.68	825	9720	6610	0.68	863	9180	6242	0.68	900
88	79	10890	6098	0.56	855	10260	5746	0.56	893	9630	5393	0.56	930
90	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
90	68	9270	8899	0.96	765	8640	8294	0.96	803	8010	7690	0.96	848
90	72	9810	8240	0.84	795	9180	7711	0.84	840	8550	7182	0.84	870
90	75	10350	7452	0.72	825	9720	6998	0.72	863	9180	6610	0.72	900
90	79	10890	6534	0.60	855	10260	6156	0.60	893	9630	5778	0.60	930

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-JP12WA

CAPACITY (Btu/h): 12000 INPUT (W): 1210 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	8319	0.59	968	13500	7965	0.59	1016	12960	7646	0.59	1065	12480	7363	0.59	1113
70	68	14700	6909	0.47	1016	14100	6627	0.47	1077	13680	6430	0.47	1101	13200	6204	0.47	1150
72	64	14100	8883	0.63	968	13500	8505	0.63	1016	12960	8165	0.63	1065	12480	7862	0.63	1113
72	68	14700	7497	0.51	1016	14100	7191	0.51	1077	13680	6977	0.51	1101	13200	6732	0.51	1150
72	72	15300	5967	0.39	1053	14760	5756	0.39	1119	14400	5616	0.39	1150	13800	5382	0.39	1198
73	64	14100	9447	0.67	968	13500	9045	0.67	1016	12960	8683	0.67	1065	12480	8362	0.67	1113
73	68	14700	8085	0.55	1016	14100	7755	0.55	1077	13680	7524	0.55	1101	13200	7260	0.55	1150
73	72	15300	6579	0.43	1053	14760	6347	0.43	1119	14400	6192	0.43	1150	13800	5934	0.43	1198
75	64	14100	10011	0.71	968	13500	9585	0.71	1016	12960	9202	0.71	1065	12480	8861	0.71	1113
75	68	14700	8673	0.59	1016	14100	8319	0.59	1077	13680	8071	0.59	1101	13200	7788	0.59	1150
75	72	15300	7191	0.47	1053	14760	6937	0.47	1119	14400	6768	0.47	1150	13800	6486	0.47	1198
75	75	16080	5628	0.35	1101	15480	5418	0.35	1162	15120	5292	0.35	1198	14640	5124	0.35	1258
77	64	14100	10575	0.75	968	13500	10125	0.75	1016	12960	9720	0.75	1065	12480	9360	0.75	1113
77	68	14700	9261	0.63	1016	14100	8883	0.63	1077	13680	8618	0.63	1101	13200	8316	0.63	1150
77	72	15300	7803	0.51	1053	14760	7528	0.51	1119	14400	7344	0.51	1150	13800	7038	0.51	1198
77	75	16080	6271	0.39	1101	15480	6037	0.39	1162	15120	5897	0.39	1198	14640	5710	0.39	1258
79	64	14100	11139	0.79	968	13500	10665	0.79	1016	12960	10238	0.79	1065	12480	9859	0.79	1113
79	68	14700	9849	0.67	1016	14100	9447	0.67	1077	13680	9166	0.67	1101	13200	8844	0.67	1150
79	72	15300	8415	0.55	1053	14760	8118	0.55	1119	14400	7920	0.55	1150	13800	7590	0.55	1198
79	75	16080	6914	0.43	1101	15480	6656	0.43	1162	15120	6502	0.43	1198	14640	6295	0.43	1258
79	79	16560	5134	0.31	1162	16080	4985	0.31	1222	15840	4910	0.31	1258	15360	4762	0.31	1295
81	64	14100	11703	0.83	968	13500	11205	0.83	1016	12960	10757	0.83	1065	12480	10358	0.83	1113
81	68	14700	10437	0.71	1016	14100	10011	0.71	1077	13680	9713	0.71	1101	13200	9372	0.71	1150
81	72	15300	9027	0.59	1053	14760	8708	0.59	1119	14400	8496	0.59	1150	13800	8142	0.59	1198
81	75	16080	7558	0.47	1101	15480	7276	0.47	1162	15120	7106	0.47	1198	14640	6881	0.47	1258
81	79	16560	5796	0.35	1162	16080	5628	0.35	1222	15840	5544	0.35	1258	15360	5376	0.35	1295
82	64	14100	12267	0.87	968	13500	11745	0.87	1016	12960	11275	0.87	1065	12480	10858	0.87	1113
82	68	14700	11025	0.75	1016	14100	10575	0.75	1077	13680	10260	0.75	1101	13200	9900	0.75	1150
82	72	15300	9639	0.63	1053	14760	9299	0.63	1119	14400	9072	0.63	1150	13800	8694	0.63	1198
82	75	16080	8201	0.51	1101	15480	7895	0.51	1162	15120	7711	0.51	1198	14640	7466	0.51	1258
82	79	16560	6458	0.39	1162	16080	6271	0.39	1222	15840	6178	0.39	1258	15360	5990	0.39	1295
84	64	14100	12831	0.91	968	13500	12285	0.91	1016	12960	11794	0.91	1065	12480	11357	0.91	1113
84	68	14700	11613	0.79	1016	14100	11139	0.79	1077	13680	10807	0.79	1101	13200	10428	0.79	1150
84	72	15300	10251	0.67	1053	14760	9889	0.67	1119	14400	9648	0.67	1150	13800	9246	0.67	1198
84	75	16080	8844	0.55	1101	15480	8514	0.55	1162	15120	8316	0.55	1198	14640	8052	0.55	1258
84	79	16560	7121	0.43	1162	16080	6914	0.43	1222	15840	6811	0.43	1258	15360	6605	0.43	1295
86	64	14100	13395	0.95	968	13500	12825	0.95	1016	12960	12312	0.95	1065	12480	11856	0.95	1113
86	68	14700	12201	0.83	1016	14100	11703	0.83	1077	13680	11354	0.83	1101	13200	10956	0.83	1150
86	72	15300	10863	0.71	1053	14760	10480	0.71	1119	14400	10224	0.71	1150	13800	9798	0.71	1198
86	75	16080	9487	0.59	1101	15480	9133	0.59	1162	15120	8921	0.59	1198	14640	8638	0.59	1258
86	79	16560	7783	0.47	1162	16080	7558	0.47	1222	15840	7445	0.47	1258	15360	7219	0.47	1295
88	64	14100	13959	0.99	968	13500	13365	0.99	1016	12960	12830	0.99	1065	12480	12355	0.99	1113
88	68	14700	12789	0.87	1016	14100	12267	0.87	1077	13680	11902	0.87	1101	13200	11484	0.87	1150
88	72	15300	11475	0.75	1053	14760	11070	0.75	1119	14400	10800	0.75	1150	13800	10350	0.75	1198
88	75	16080	10130	0.63	1101	15480	9752	0.63	1162	15120	9526	0.63	1198	14640	9223	0.63	1258
88	79	16560	8446	0.51	1162	16080	8201	0.51	1222	15840	8078	0.51	1258	15360	7834	0.51	1295
90	64	14100	14100	1.00	968	13500	13500	1.00	1016	12960	12960	1.00	1065	12480	12480	1.00	1113
90	68	14700	13377	0.91	1016	14100	12831	0.91	1077	13680	12449	0.91	1101	13200	12012	0.91	1150
90	72	15300	12087	0.79	1053	14760	11660	0.79	1119	14400	11376	0.79	1150	13800	10902	0.79	1198
90	75	16080	10774	0.67	1101	15480	10372	0.67	1162	15120	10130	0.67	1198	14640	9809	0.67	1258
90	79	16560	9108	0.55	1162	16080	8844	0.55	1222	15840	8712	0.55	1258	15360	8448	0.55	1295

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-JP12WA

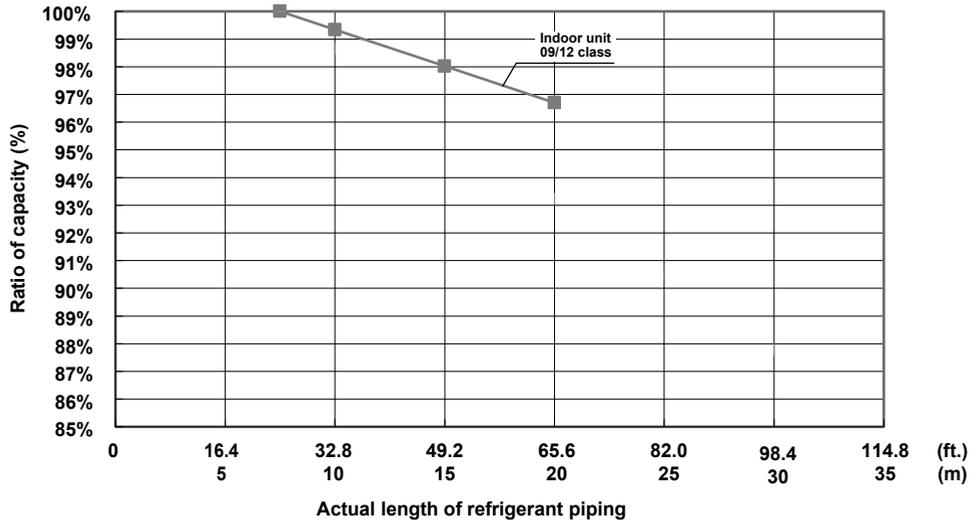
CAPACITY (Btu/h): 12000 INPUT (W): 1210 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	6938	0.59	1186	10800	6372	0.59	1258	9960	5876	0.59	1307
70	68	12360	5809	0.47	1234	11520	5414	0.47	1295	10680	5020	0.47	1367
72	64	11760	7409	0.63	1186	10800	6804	0.63	1258	9960	6275	0.63	1307
72	68	12360	6304	0.51	1234	11520	5875	0.51	1295	10680	5447	0.51	1367
72	72	13080	5101	0.39	1283	12240	4774	0.39	1355	11400	4446	0.39	1404
73	64	11760	7879	0.67	1186	10800	7236	0.67	1258	9960	6673	0.67	1307
73	68	12360	6798	0.55	1234	11520	6336	0.55	1295	10680	5874	0.55	1367
73	72	13080	5624	0.43	1283	12240	5263	0.43	1355	11400	4902	0.43	1404
75	64	11760	8350	0.71	1186	10800	7668	0.71	1258	9960	7072	0.71	1307
75	68	12360	7292	0.59	1234	11520	6797	0.59	1295	10680	6301	0.59	1367
75	72	13080	6148	0.47	1283	12240	5753	0.47	1355	11400	5358	0.47	1404
75	75	13800	4830	0.35	1331	12960	4536	0.35	1392	12240	4284	0.35	1452
77	64	11760	8820	0.75	1186	10800	8100	0.75	1258	9960	7470	0.75	1307
77	68	12360	7787	0.63	1234	11520	7258	0.63	1295	10680	6728	0.63	1367
77	72	13080	6671	0.51	1283	12240	6242	0.51	1355	11400	5814	0.51	1404
77	75	13800	5382	0.39	1331	12960	5054	0.39	1392	12240	4774	0.39	1452
79	64	11760	9290	0.79	1186	10800	8532	0.79	1258	9960	7868	0.79	1307
79	68	12360	8281	0.67	1234	11520	7718	0.67	1295	10680	7156	0.67	1367
79	72	13080	7194	0.55	1283	12240	6732	0.55	1355	11400	6270	0.55	1404
79	75	13800	5934	0.43	1331	12960	5573	0.43	1392	12240	5263	0.43	1452
79	79	14520	4501	0.31	1379	13680	4241	0.31	1440	12840	3980	0.31	1500
81	64	11760	9761	0.83	1186	10800	8964	0.83	1258	9960	8267	0.83	1307
81	68	12360	8776	0.71	1234	11520	8179	0.71	1295	10680	7583	0.71	1367
81	72	13080	7717	0.59	1283	12240	7222	0.59	1355	11400	6726	0.59	1404
81	75	13800	6486	0.47	1331	12960	6091	0.47	1392	12240	5753	0.47	1452
81	79	14520	5082	0.35	1379	13680	4788	0.35	1440	12840	4494	0.35	1500
82	64	11760	10231	0.87	1186	10800	9396	0.87	1258	9960	8665	0.87	1307
82	68	12360	9270	0.75	1234	11520	8640	0.75	1295	10680	8010	0.75	1367
82	72	13080	8240	0.63	1283	12240	7711	0.63	1355	11400	7182	0.63	1404
82	75	13800	7038	0.51	1331	12960	6610	0.51	1392	12240	6242	0.51	1452
82	79	14520	5663	0.39	1379	13680	5335	0.39	1440	12840	5008	0.39	1500
84	64	11760	10702	0.91	1186	10800	9828	0.91	1258	9960	9064	0.91	1307
84	68	12360	9764	0.79	1234	11520	9101	0.79	1295	10680	8437	0.79	1367
84	72	13080	8764	0.67	1283	12240	8201	0.67	1355	11400	7638	0.67	1404
84	75	13800	7590	0.55	1331	12960	7128	0.55	1392	12240	6732	0.55	1452
84	79	14520	6244	0.43	1379	13680	5882	0.43	1440	12840	5521	0.43	1500
86	64	11760	11172	0.95	1186	10800	10260	0.95	1258	9960	9462	0.95	1307
86	68	12360	10259	0.83	1234	11520	9562	0.83	1295	10680	8864	0.83	1367
86	72	13080	9287	0.71	1283	12240	8690	0.71	1355	11400	8094	0.71	1404
86	75	13800	8142	0.59	1331	12960	7646	0.59	1392	12240	7222	0.59	1452
86	79	14520	6824	0.47	1379	13680	6430	0.47	1440	12840	6035	0.47	1500
88	64	11760	11642	0.99	1186	10800	10692	0.99	1258	9960	9860	0.99	1307
88	68	12360	10753	0.87	1234	11520	10022	0.87	1295	10680	9292	0.87	1367
88	72	13080	9810	0.75	1283	12240	9180	0.75	1355	11400	8550	0.75	1404
88	75	13800	8694	0.63	1331	12960	8165	0.63	1392	12240	7711	0.63	1452
88	79	14520	7405	0.51	1379	13680	6977	0.51	1440	12840	6548	0.51	1500
90	64	11760	11760	1.00	1186	10800	10800	1.00	1258	9960	9960	1.00	1307
90	68	12360	11248	0.91	1234	11520	10483	0.91	1295	10680	9719	0.91	1367
90	72	13080	10333	0.79	1283	12240	9670	0.79	1355	11400	9006	0.79	1404
90	75	13800	9246	0.67	1331	12960	8683	0.67	1392	12240	8201	0.67	1452
90	79	14520	7986	0.55	1379	13680	7524	0.55	1440	12840	7062	0.55	1500

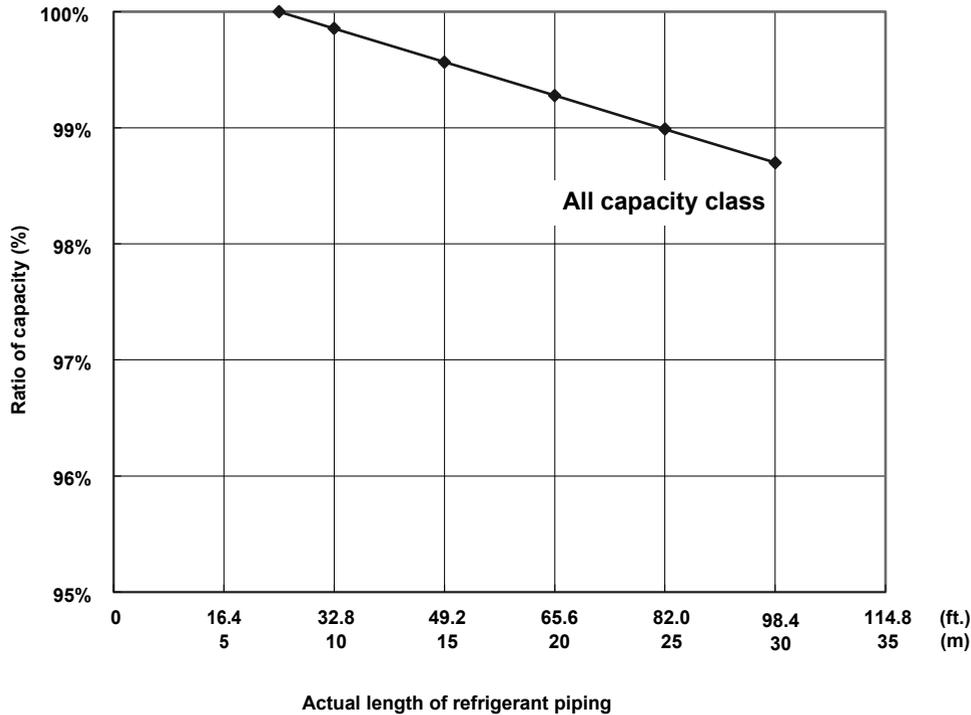
NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

5-1. CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

$$\text{Length of refrigerant piping (ft.)} + (\text{Number of bends} \times 0.984 \text{ ft.}) = \text{Actual length of refrigerant piping (ft.)}$$

$$[\text{Length of refrigerant piping (m)} + (\text{Number of bends} \times 0.3 \text{ m})] = \text{Actual length of refrigerant piping (m)}$$

PART LOAD CAPACITY CHART

MSZ-JP09WA
MUZ-JP09WA
1) COOLING
Rated

Q(Btu/h): 9000

W: 750

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)	9030	8280	6790	4560	-	3450	8550	7700	6440	4330	-	3270	8030	7020	6050	4060	-	3060
	W	1010	860	760	530	-	430	940	830	710	480	-	370	900	800	680	480	-
110 43.3 Q(Btu/h)	9430	8640	7100	4760	-	3600	8930	8040	6730	4520	-	3420	8390	7360	6320	4240	-	3200
	W	980	850	740	510	-	390	920	820	690	460	-	340	880	790	660	460	-
105 40.6 Q(Btu/h)	9820	9000	7390	4970	-	3770	9300	8370	7010	4720	-	3580	8740	7700	6580	4420	-	3350
	W	960	830	730	500	-	390	900	800	680	450	-	340	860	770	650	450	-
100 37.8 Q(Btu/h)	10190	9340	7670	5150	-	3900	9650	8690	7270	4890	-	3700	9070	8080	6830	4580	-	3470
	W	940	810	720	500	-	390	880	780	670	450	-	340	840	750	640	450	-
95 35.0 Q(Btu/h)	10560	9680	7940	5330	-	4040	10000	9000	7530	5060	-	3830	9400	8460	7070	4740	-	3590
	W	910	790	690	490	-	380	850	750	640	440	-	330	810	720	620	440	-
90 32.2 Q(Btu/h)	10980	10000	8260	5540	-	4190	10400	9360	7830	5260	-	3980	9770	8780	7360	4930	-	3730
	W	880	760	670	460	-	360	820	720	620	410	-	310	790	690	600	410	-
85 29.4 Q(Btu/h)	11410	10310	8580	5760	-	4360	10800	9720	8130	5470	-	4140	10150	9090	7640	5130	-	3880
	W	850	730	630	450	-	360	790	690	590	400	-	310	760	660	570	400	-
80 26.7 Q(Btu/h)	11830	10670	8900	5980	-	4530	11200	10080	8440	5680	-	4300	10520	9450	7930	5320	-	4030
	W	800	700	610	430	-	360	750	660	570	390	-	310	720	630	550	390	-
75 23.9 Q(Btu/h)	12250	11030	9220	6200	-	4690	11600	10440	8740	5890	-	4450	10900	9810	8210	5520	-	4170
	W	760	670	570	390	-	290	710	630	530	350	-	250	680	600	510	350	-
70 21.1 Q(Btu/h)	12670	11410	9540	6400	-	4860	12000	10800	9040	6080	-	4610	11280	10150	8490	5700	-	4320
	W	730	640	550	380	-	290	680	600	510	340	-	250	650	570	490	340	-
65 18.3 Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
	W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-
60 15.6 Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
	W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-
55 12.8 Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
	W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-
50 10.0 Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
	W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-
45 7.2 Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
	W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-
40 4.4 Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
	W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-
35 1.7 Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
	W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-
30 -1.1 Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
	W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-
25 -3.9 Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
	W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-
20 -6.7 Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
	W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-
15 -9.4 Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
	W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-

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

MSZ-JP09WA
MUZ-JP09WA
2) HEATING

Rated
 Q(Btu/h): 10900
 W: 900

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)	14610	13620	11030	7300	-	4860	15200	14170	11480	7600	-	5060	15790	14720	11930	7900	-	5260
		W	1320	1020	990	660	-	440	1250	970	940	630	-	420	1180	920	890	600	-	400
60	15.6	Q(Btu/h)	13900	12880	10510	6950	-	4640	14500	13440	10960	7250	-	4840	15100	14000	11410	7550	-	5040
		W	1250	1010	950	620	-	410	1190	960	900	590	-	390	1130	910	850	560	-	370
55	12.8	Q(Btu/h)	13180	12130	9960	6590	-	4390	13800	12700	10430	6900	-	4600	14420	13270	10900	7210	-	4810
		W	1190	1000	910	600	-	400	1130	950	860	570	-	380	1070	900	810	540	-	360
50	10.0	Q(Btu/h)	12420	11390	9390	6220	-	4150	13050	11970	9860	6530	-	4360	13680	12550	10330	6840	-	4570
		W	1140	990	850	560	-	370	1080	940	810	530	-	350	1020	890	770	500	-	330
45	7.2	Q(Btu/h)	11660	10650	8810	5830	-	3890	12300	11230	9290	6150	-	4100	12940	11810	9770	6470	-	4310
		W	1070	970	810	540	-	360	1020	920	770	510	-	340	970	870	730	480	-	320
43	6.1	Q(Btu/h)	11170	10320	8450	5590	-	3730	11800	10900	8920	5900	-	3940	12430	11480	9390	6210	-	4150
		W	1050	950	800	530	-	360	1000	900	760	500	-	340	950	850	720	470	-	320
40	4.4	Q(Btu/h)	10680	9860	8070	5340	-	3560	11300	10440	8540	5650	-	3770	11920	11020	9010	5960	-	3980
		W	1010	940	760	510	-	330	960	890	720	480	-	310	910	840	680	450	-	290
35	1.7	Q(Btu/h)	10170	9080	7680	5080	-	3390	10800	9650	8160	5400	-	3600	11430	10220	8640	5720	-	3810
		W	960	910	730	480	-	330	910	860	690	460	-	310	860	810	650	440	-	290
30	-1.1	Q(Btu/h)	9420	8360	7120	4720	-	3140	10050	8920	7590	5030	-	3350	10680	9480	8060	5340	-	3560
		W	900	860	670	450	-	310	850	820	640	430	-	290	800	780	610	410	-	270
25	-3.9	Q(Btu/h)	8680	7630	6560	4340	-	2890	9300	8200	7030	4650	-	3100	9920	8730	7500	4960	-	3310
		W	830	810	630	420	-	270	790	770	600	400	-	260	750	730	570	380	-	250
20	-6.7	Q(Btu/h)	7930	6900	5990	3970	-	2650	8550	7440	6460	4280	-	2860	9170	7980	6930	4590	-	3070
		W	780	750	600	400	-	260	740	710	570	380	-	250	700	670	540	360	-	240
15	-9.4	Q(Btu/h)	7170	6160	5410	3580	-	2390	7800	6700	5890	3900	-	2600	8430	7240	6370	4220	-	2810
		W	720	680	540	360	-	230	680	650	510	340	-	220	640	620	480	320	-	210
10	-12.2	Q(Btu/h)	6260	5390	4730	3130	-	2090	6900	5940	5210	3450	-	2300	7540	6490	5690	3770	-	2510
		W	660	610	510	340	-	230	630	580	480	320	-	220	600	550	450	300	-	210
5	-15.0	Q(Btu/h)	5340	4610	4030	2670	-	1780	6000	5180	4530	3000	-	2000	6660	5750	5030	3330	-	2220
		W	600	540	450	290	-	190	570	510	430	280	-	180	540	480	410	270	-	170
0	-17.8	Q(Btu/h)	4600	3620	3470	2300	-	1530	5300	4170	4000	2650	-	1760	6000	4720	4530	3000	-	1990
		W	540	460	410	270	-	180	510	440	390	260	-	170	480	420	370	250	-	160
-4	-20.0	Q(Btu/h)	3880	2660	2940	1940	-	1300	4600	3150	3480	2300	-	1540	5320	3640	4020	2660	-	1780
		W	470	380	360	240	-	170	450	360	340	230	-	160	430	340	320	220	-	150

* Above data is for heating operation without any frost.

MSZ-JP12WA
MUZ-JP12WA
1) COOLING

Rated
 Q(Btu/h): 12000
 W: 1210

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)	11020	11040	8290	5570	- 3320	10430	10260	7850	5270	- 3140	9800	9360	7380	4960	- 2960		
	W	1530	1390	1150	770	- 460	1440	1340	1080	730	- 430	1370	1280	1030	690	- 400		
110 43.3	Q(Btu/h)	11510	11520	8660	5830	- 3470	10890	10710	8200	5510	- 3280	10240	9810	7710	5190	- 3090		
	W	1500	1370	1120	750	- 450	1410	1310	1060	710	- 420	1350	1260	1010	670	- 390		
105 40.6	Q(Btu/h)	11990	12000	9020	6060	- 3610	11350	11160	8540	5730	- 3410	10670	10260	8030	5390	- 3210		
	W	1470	1340	1100	750	- 450	1380	1280	1040	710	- 420	1320	1230	990	670	- 390		
100 37.8	Q(Btu/h)	12450	12450	9370	6290	- 3750	11780	11580	8870	5950	- 3540	11070	10770	8340	5600	- 3330		
	W	1430	1310	1070	720	- 430	1340	1250	1010	680	- 410	1280	1200	960	640	- 390		
95 35.0	Q(Btu/h)	12890	12900	9700	6520	- 3900	12200	12000	9180	6170	- 3680	11470	11280	8630	5810	- 3460		
	W	1380	1270	1040	690	- 410	1300	1210	980	650	- 390	1240	1160	930	610	- 370		
90 32.2	Q(Btu/h)	13410	13320	10090	6780	- 4040	12690	12480	9550	6410	- 3820	11930	11700	8980	6030	- 3600		
	W	1330	1230	1000	670	- 400	1250	1170	940	640	- 380	1190	1120	890	610	- 360		
85 29.4	Q(Btu/h)	13930	13740	10480	7040	- 4200	13180	12960	9920	6660	- 3970	12390	12120	9320	6270	- 3740		
	W	1280	1180	950	630	- 380	1200	1120	900	600	- 360	1140	1070	860	570	- 340		
80 26.7	Q(Btu/h)	14440	14220	10870	7320	- 4360	13670	13440	10290	6920	- 4120	12850	12600	9670	6510	- 3880		
	W	1220	1130	920	620	- 370	1150	1070	870	590	- 350	1100	1020	830	560	- 330		
75 23.9	Q(Btu/h)	14950	14700	11250	7560	- 4510	14150	13920	10650	7150	- 4260	13300	13080	10010	6730	- 4010		
	W	1160	1080	870	580	- 350	1090	1020	820	550	- 330	1040	970	780	520	- 310		
70 21.1	Q(Btu/h)	15470	15210	11640	7810	- 4660	14640	14400	11020	7390	- 4400	13760	13530	10360	6960	- 4140		
	W	1110	1020	830	560	- 340	1040	960	780	530	- 320	990	910	740	500	- 300		
65 18.3	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550		
	W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220		
60 15.6	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550		
	W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220		
55 12.8	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550		
	W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220		
50 10.0	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550		
	W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220		
45 7.2	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550		
	W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220		
40 4.4	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550		
	W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220		
35 1.7	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550		
	W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220		
30 -1.1	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550		
	W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220		
25 -3.9	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550		
	W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220		
20 -6.7	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550		
	W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220		
15 -9.4	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550		
	W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220		

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

MSZ-JP12WA
MUZ-JP12WA
2) HEATING

Rated
 Q(Btu/h): 12200
 W: 990

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)	17390	15240	13090	8780	- 4970	18100	15860	13620	9140	- 5170	18810	16480	14150	9500	- 5370		
	W	1510	1130	1130	760	- 420	1430	1070	1070	720	- 400	1350	1010	1010	680	- 380		
60 15.6	Q(Btu/h)	16530	14420	12440	8350	- 4730	17250	15040	12980	8710	- 4930	17970	15660	13520	9070	- 5130		
	W	1450	1120	1100	740	- 410	1380	1060	1040	700	- 390	1310	1000	980	660	- 370		
55 12.8	Q(Btu/h)	15670	13580	11790	7910	- 4470	16400	14210	12340	8280	- 4680	17130	14840	12890	8650	- 4890		
	W	1400	1110	1050	710	- 400	1330	1050	1000	670	- 380	1260	990	950	630	- 360		
50 10.0	Q(Btu/h)	14800	12740	11140	7470	- 4230	15550	13390	11700	7850	- 4440	16300	14040	12260	8230	- 4650		
	W	1350	1090	1020	680	- 390	1280	1030	970	650	- 370	1210	970	920	620	- 350		
45 7.2	Q(Btu/h)	13940	11920	10490	7040	- 3980	14700	12570	11060	7420	- 4200	15460	13220	11630	7800	- 4420		
	W	1300	1060	970	640	- 370	1230	1010	920	610	- 350	1160	960	870	580	- 330		
43 6.1	Q(Btu/h)	13730	11550	10330	6930	- 3920	14500	12200	10910	7320	- 4140	15270	12850	11490	7710	- 4360		
	W	1290	1040	960	640	- 370	1220	990	910	610	- 350	1150	940	860	580	- 330		
40 4.4	Q(Btu/h)	12990	11050	9780	6560	- 3700	13750	11690	10350	6940	- 3920	14510	12330	10920	7320	- 4140		
	W	1230	1030	930	620	- 350	1170	980	880	590	- 330	1110	930	830	560	- 310		
35 1.7	Q(Btu/h)	12240	10170	9210	6180	- 3500	13000	10800	9780	6560	- 3720	13760	11430	10350	6940	- 3940		
	W	1180	990	880	590	- 330	1120	940	840	560	- 310	1060	890	800	530	- 290		
30 -1.1	Q(Btu/h)	11390	9360	8570	5750	- 3250	12150	9980	9140	6130	- 3470	12910	10600	9710	6510	- 3690		
	W	1130	950	850	580	- 330	1070	900	810	550	- 310	1010	850	770	520	- 290		
25 -3.9	Q(Btu/h)	10540	8540	7930	5320	- 3010	11300	9150	8500	5700	- 3230	12060	9760	9070	6080	- 3450		
	W	1070	900	800	540	- 310	1020	850	760	510	- 290	970	800	720	480	- 270		
20 -6.7	Q(Btu/h)	9640	7720	7250	4870	- 2760	10400	8330	7820	5250	- 2980	11160	8940	8390	5630	- 3200		
	W	1020	820	770	520	- 290	970	780	730	490	- 280	920	740	690	460	- 270		
15 -9.4	Q(Btu/h)	8730	6890	6570	4410	- 2490	9500	7500	7150	4800	- 2710	10270	8110	7730	5190	- 2930		
	W	970	750	730	480	- 260	920	710	690	460	- 250	870	670	650	440	- 240		
10 -12.2	Q(Btu/h)	7710	6030	5810	3890	- 2200	8500	6650	6400	4290	- 2420	9290	7270	6990	4690	- 2640		
	W	920	670	700	470	- 260	870	640	660	450	- 250	820	610	620	430	- 240		
5 -15.0	Q(Btu/h)	6680	5170	5020	3380	- 1910	7500	5800	5640	3790	- 2150	8320	6430	6260	4200	- 2390		
	W	860	590	640	430	- 240	820	560	610	410	- 230	780	530	580	390	- 220		
0 -17.8	Q(Btu/h)	5840	4040	4390	2950	- 1680	6730	4650	5060	3400	- 1930	7620	5260	5730	3850	- 2180		
	W	800	510	600	400	- 230	760	480	570	380	- 220	720	450	540	360	- 210		
-4 -20.0	Q(Btu/h)	5020	2960	3780	2530	- 1440	5950	3500	4480	3000	- 1700	6880	4040	5180	3470	- 1960		
	W	740	420	560	370	- 210	700	400	530	350	- 200	660	380	500	330	- 190		

* Above data is for heating operation without any frost.

mitsubishi electric corporation

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