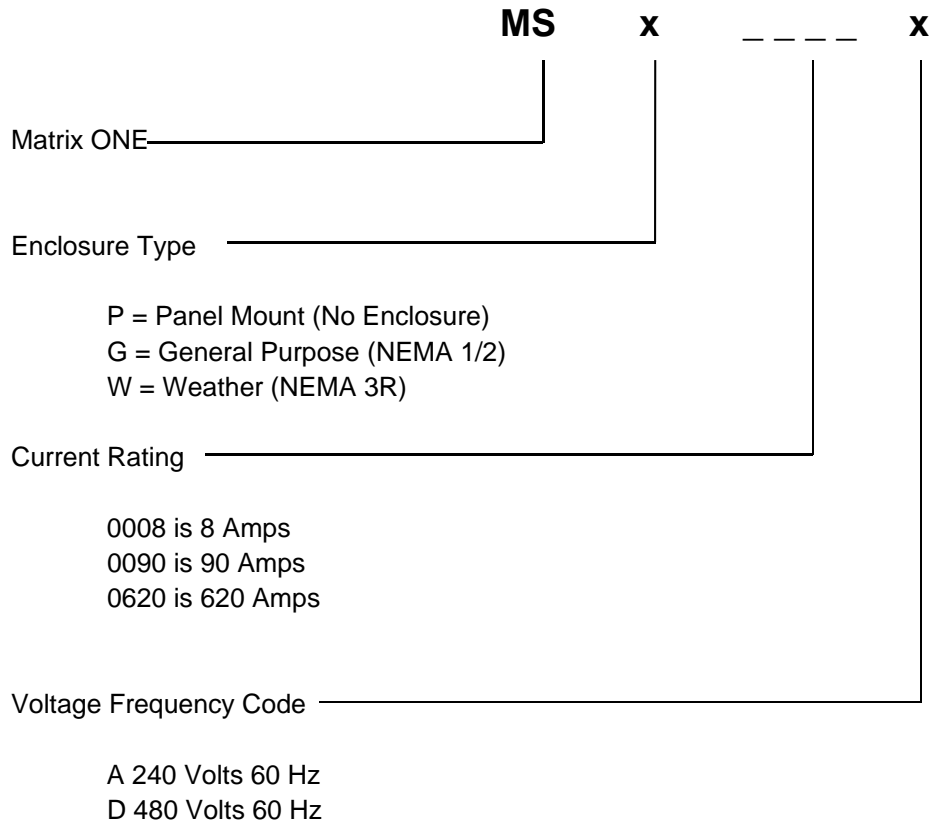


Part Number Configuration



Additional Options

Standard NEMA 3R enclosure with optional rodent/serpent screen

Matrix ONE 240 Volts, 60Hz Part Number Selection Tables Open Panel

Table 3-1: Matrix ONE 240V Open Panel

Filter Amps Rating	Part Number	App. Wt. (lbs.)*	Open Magnetics (in.) (H x W x D)	Capacitor Panel P/N	Capacitor Panel Size (in.) (H x W x D)
17	MSP0017A	47	8.7 x 10.5 x 7.2	CAPPANEL-015	6.9 x 14.0 x 6.0
26	MSP0026A	52	8.7 x 10.5 x 7.7	CAPPANEL-016	6.9 x 14.0 x 6.0
38	MSP0038A	69	10.5 x 12.0 x 9.6	CAPPANEL-017	6.9 x 18.4 x 7.0
49	MSP0049A	79	10.5 x 12.0 x 10.2	CAPPANEL-019	6.9 x 18.4 x 7.0
73	MSP0073A	114	10.6 x 12.0 x 12.0	CAPPANEL-020	10.7 x 18.4 x 7.0
94	MSP0094A	150	15.2 x 15.3 x 10.9	CAPPANEL-021	10.7 x 16.3 x 7.6
115	MSP0115A	167	15.2 x 15.3 x 11.6	CAPPANEL-023	6.9 x 16.3 x 7.6
140	MSP0140A	202	15.2 x 15.3 x 12.3	CAPPANEL-018	10.7 x 16.3 x 7.6
180	MSP0180A	249	15.3 x 15.3 x 14.6	CAPPANEL-086	10.7 x 16.3 x 7.6
225	MSP0225A	296	18.3 x 15.3 x 13.8	CAPPANEL-092	10.7 x 16.3 x 7.6
265	MSP0265A	318	18.4 x 15.3 x 14.9	CAPPANEL-093 CAPPANEL-093	10.7 x 16.3 x 7.6 10.7 x 16.3 x 7.6
330	MSP0330A	376	18.4 x 15.3 x 16.7	CAPPANEL-093 CAPPANEL-094	10.7 x 16.3 x 7.6 10.7 x 16.3 x 7.6
430	MSP0430A	611	20.5 x 24.0 x 17.4	CAPPANEL-097 CAPPANEL-098	10.7 x 16.3 x 7.6 8.9 x 16.3 x 7.6
540	MSP0540A	718	20.6 x 24.0 x 18.5	CAPPANEL-099 CAPPANEL-101	10.7 x 16.3 x 7.6 11.5 x 16.3 x 7.6
620	MSP0620A	826	20.6 x 24.0 x 19.7	CAPPANEL-101 CAPPANEL-101	11.5 x 16.3 x 7.6 11.5 x 16.3 x 7.6

Note: Approximate weight of filter above includes weight of reactor and accompanying cap-panel assembly.

Matrix ONE 240 Volts, 60Hz Part Number Selection Tables Enclosed

Table 3-2: Matrix ONE 240V Enclosed

Filter Amps Rating	NEMA 1/2	Enclosure	App. Wt (lbs.)	NEMA 3R	Enclosure	App. Wt (lbs.)
17	MSG0017A	CAB-12AP2	95	MSW0017A	CAB-12AP3	102
26	MSG0026A	CAB-12AP2	100	MSW0026A	CAB-12AP3	108
38	MSG0038A	CAB-17AP2	144	MSW0038A	CAB-17AP3	155
49	MSG0049A	CAB-17AP2	155	MSW0049A	CAB-17AP3	166
73	MSG0073A	CAB-17AP2	190	MSW0073A	CAB-17AP3	201
94	MSG0094A	CAB-26AP2	320	MSW0094A	CAB-26AP3	333
115	MSG0115A	CAB-26AP2	337	MSW0115A	CAB-26AP3	350
140	MSG0140A	CAB-26AP2	372	MSW0140A	CAB-26AP3	385
180	MSG0180A	CAB-26AP2	420	MSW0180A	CAB-26AP3	433
225	MSG0225A	CAB-26AP2	466	MSW0225A	CAB-26AP3	479
265	MSG0265A	CAB-42AP2	742	MSW0265A	CAB-42AP3	779
330	MSG0330A	CAB-42AP2	801	MSW0330A	CAB-42AP3	838
430	MSG0430A	CAB-42AP2	1042	MSW0430A	CAB-42AP3	1079
540	MSG0540A	CAB-42AP2	1148	MSW0540A	CAB-42AP3	1184
620	MSG0620A	CAB-48AP2	1454	MSW0620A	CAB-48AP3	1495

Filter Efficiency + Watt loss Matrix ONE 240V, 60Hz

Table 3-3: Watt Loss - Matrix ONE 240V, 60Hz

Maximum Output (Amps RMS)	Efficiency Typical (%)	240V Power Dissipation @ Rated Current Typical (Watts)	Capacitor Current 240V Typical (Amps RMS)
17	97.5%	181	9.5
26	97.9%	228	14.5
38	98.4%	258	21.1
49	97.9%	430	27.2
73	98.5%	473	40.6
94	98.5%	636	52.3
115	98.7%	631	63.9
140	98.6%	805	77.8
180	98.6%	1055	101.2
225	99.0%	967	125.1
265	99.0%	1115	147.3
330	99.0%	1359	183.5
430	99.1%	1647	239.1
540	99.2%	1872	300.2
620	99.2%	2094	344.7

Note: Use the IEC AC-3 rating for the corresponding filter capacitor current when selecting a contactor.

Matrix ONE 480 Volts, 60Hz Part Number Selection Tables Open Panel

Table 3-4: Matrix ONE 480V Open Panel

Filter Amps Rating	Part Number	App. Wt. (lbs.)*	Open Magnetics (in.) (H x W x D)	Capacitor / Capacitor Panel P/N	Capacitor Size (in.) (H x D) Capacitor Panel Size (in.) (H x W x D)
8	MSP0008D	41	8.6 x 10.5 x 7.2	CAP-364TP	5.5 x 3.9
13	MSP0013D	51	8.7 x 10.5 x 7.7	CAP-366TP	5.5 x 4.6
19	MSP0019D	67	10.5 x 12.0 x 8.0	CAP-367TP	5.5 x 4.6
24	MSP0024D	75	10.5 x 12.0 x 8.5	CAP-368TP	7.2 x 4.6
37	MSP0037D	112	10.6 x 12.0 x 11.8	CAPPANEL-014	6.8 x 18.4 x 7.0
47	MSP0047D	146	15.2 x 15.3 x 10.9	CAPPANEL-013	10.8 x 16.6 x 7.6
59	MSP0059D	159	15.2 x 15.3 x 11.4	CAPPANEL-004	7.9 x 16.3 x 7.6
69	MSP0069D	166	15.1 x 15.3 x 11.9	CAPPANEL-012	6.9 x 16.3 x 7.6
90	MSP0090D	217	15.2 x 15.3 x 13.2	CAPPANEL-024	6.9 x 16.3 x 7.6
110	MSP0110D	256	18.3 x 15.3 x 13.0	CAPPANEL-026	7.9 x 16.3 x 7.6
135	MSP0135D	299	18.3 x 15.3 x 14.3	CAPPANEL-028	8.9 x 16.3 x 7.6
165	MSP0165D	349	18.3 x 15.3 x 15.4	CAPPANEL-029	10.7 x 16.3 x 7.6
215	MSP0215D	586	20.4 x 24.0 x 15.8	CAPPANEL-030 CAPPANEL-030	6.9 x 16.3 x 7.6 6.9 x 16.3 x 7.6
270	MSP0270D	689	20.3 x 24.0 x 18.7	CAPPANEL-024 CAPPANEL-095	6.9 x 16.3 x 7.6 7.9 x 16.3 x 7.6
310	MSP0310D	785	20.3 x 24.0 x 20.2	CAPPANEL-096 CAPPANEL-096	6.9 x 16.3 x 7.6 6.9 x 16.3 x 7.6

Note: Approximate weight of filter above includes weight of reactor and accompanying capacitor and/or cap-panel assembly.

Matrix ONE 480 Volts, 60Hz Part Number Selection Tables Enclosed

Table 3-5: Matrix ONE 480V Enclosed

Filter Amps Rating	NEMA 1/2	Enclosure	App. Wt (lbs.)	NEMA 3R	Enclosure	App. Wt (lbs.)
8	MSG0008D	CAB-12AP2	89	MSW0008D	CAB-12AP3	97
13	MSG0013D	CAB-12AP2	98	MSW0013D	CAB-12AP3	106
19	MSG0019D	CAB-17AP2	142	MSW0019D	CAB-17AP3	153
24	MSG0024D	CAB-17AP2	150	MSW0024D	CAB-17AP3	160
37	MSG0037D	CAB-17AP2	188	MSW0037D	CAB-17AP3	198
47	MSG0047D	CAB-26AP2	311	MSW0047D	CAB-26AP3	324
59	MSG0059D	CAB-26AP2	325	MSW0059D	CAB-26AP3	338
69	MSG0069D	CAB-26AP2	333	MSW0069D	CAB-26AP3	346
90	MSG0090D	CAB-26AP2	387	MSW0090D	CAB-26AP3	400
110	MSG0110D	CAB-26APD2	499	MSW0110D	CAB-26APD3	525
135	MSG0135D	CAB-26APD2	542	MSW0135D	CAB-26APD3	568
165	MSG0165D	CAB-26APD2	592	MSW0165D	CAB-26APD3	617
215	MSG0215D	CAB-42AP2	1009	MSW0215D	CAB-42AP3	1045
270	MSG0270D	CAB-42AP2	1111	MSW0270D	CAB-42AP3	1148
310	MSG0310D	CAB-48AP2	1405	MSW0310D	CAB-48AP3	1445