



APPLICATIONS:

- Fans & Blowers
- Pumps
- Compressors
- Any Application that Requires IEC Mounting Dimensions

FEATURES:

- Output Range: 1 - 150 HP (0.75 - 112 kW)
- Speed: 3600, 1800 & 1200 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP55)
- Voltage: 230/460V (Usable on 208V)⁽¹⁾ Ratings 150 HP and up are 460V only
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous); 50 Hz, 1.0 Service Factor (Continuous)
- Class F Insulation
- Class B Temperature Rise
- Cast Iron Frame, End Brackets and Main Conduit Box; Rolled Steel Fan Cover
- Grounding Terminal Inside Main Conduit Box
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - F3 Mounted (IM1001)
- Designed for 40°C Ambient Temperature⁽²⁾
- Designed for 3300 ft. Elevation⁽³⁾
- Bi-Directional Rotation
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Blue - Munsell 5PB 3/8
- Double Shielded Bearings Pre-Packed with MULTEMP SRL for F# 80 - 225 (Non-regreasable)
- High Quality Ball (or Roller) Bearings Regreasable with with MULTEMP SRL for F# 250 and Larger
- Oil Seal/V-Ring on Both Ends
- Stainless Steel Nameplate
- New Dual Column Design Nameplate as Standard (60/50 Hz)
- Suitable for Inverter Use per NEMA MG-1 Part 31.4.4.2^(4,5)
- Inverter Duty Speed Range: 20:1 Variable Torque, 10:1 Constant Torque
- 12 Leads to 280 Frame and 6 Leads to 315 Frame and Up.
- Motors are CE Marked

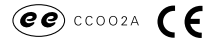
EXTRAS/ OPTIONS:

Please refer to pages 147 - 154 for common modifications that can be performed.

Notes:

- (1) Suitable for Wye/Delta Starting and part winding on 230V.
- (2) Consult a Stock Product Application Specialist for suitability in higher ambient environments.
- (3) Consult a Stock Product Application Specialist for suitability at higher elevations.
- (4) Motor service factor is 1.0 when operated on a VFD.
- (5) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated by NEMA MG-1. Part 31.

MAX-IE3™ METRIC



AESV3W, IEC, IE3 EFFICIENCY [MP]

Effective 07-08-18
Supercedes 03-24-17



CATALOG NO.	KW	HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (460V)	APPROX. SHIPPING WT. KG (lbs.)
MP0012	0.75	1	3600	80M	77.0	84.0	1.46	18 (40)
MP0014	0.75	1	1800	80M	85.5	74.5	1.48	21 (46)
MP0016	0.75	1	1200	90S	82.5	70.0	1.63	28 (61)
MP1/52	1.1	1.5	3600	80M	84.0	85.0	1.93	20 (44)
MP1/54	1.1	1.5	1800	90S	86.5	81.0	1.97	27 (59)
MP1/56	1.1	1.5	1200	112M	87.5	64.0	2.47	31 (68)
MP0022	1.5	2	3600	90S	85.5	89.5	2.46	25.5 (56)
MP0024	1.5	2	1800	90L	86.5	75.0	2.90	28.5 (63)
MP0026	1.5	2	1200	112M	88.5	69.0	3.08	43.5 (96)
MP0032	2.2	3	3600	90L	86.5	89.0	3.59	29 (64)
MP0034	2.2	3	1800	100L	89.5	83.5	3.69	39.5 (87)
MP0036	2.2	3	1200	112M	89.5	67.5	4.09	53.5 (118)
MP0042	3.0	4	3600	100L	88.5	88.0	4.83	41.5 (91.5)
MP0044	3.0	4	1800	100L	89.5	78.5	5.36	42 (93)
MP0046	3.0	4	1200	132S	89.5	78.5	5.36	75 (165)
MP5/52	4.0	5.5	3600	112M	88.5	91.0	6.23	51 (113.5)
MP5/54	4.0	5.5	1800	112M	89.5	81.5	6.88	53 (117)
MP5/56	4.0	5.5	1200	132M	89.5	79.5	7.06	91.5 (202)
MP7/52	5.5	7.5	3600	132S	89.5	86.5	8.92	73 (161)
MP7/54	5.5	7.5	1800	132S	91.7	85.0	8.86	75.5 (166)
MP7/56	5.5	7.5	1200	132M	91.0	74.5	10.2	91 (200)
MP0102	7.5	10	3600	132S	90.2	87.5	11.9	76 (167)
MP0104	7.5	10	1800	132M	91.7	85.5	12.0	93 (205)
MP0106	7.5	10	1200	160M	91.0	81.5	12.7	135 (298)
MP0152	11	15	3600	160M	91.0	92.5	16.4	130 (287)
MP0154	11	15	1800	160M	92.4	87.0	17.2	131 (287)
MP0156	11	15	1200	160L	91.7	81.5	18.5	150 (331)
MP0202	15	20	3600	160M	91.0	92.5	22.4	130 (287)
MP0204	15	20	1800	160L	93.0	86.5	23.4	150 (331)
MP0206	15	20	1200	180L	91.7	83.0	24.7	205 (452)
MP0252	18.5	25	3600	160L	91.7	93.0	27.2	140 (308.5)
MP0254	18.5	25	1800	180M	93.6	82.5	30.1	195 (430)
MP0256	18.5	25	1200	200L	93.0	82.0	30.4	270 (595)
MP0302	22	30	3600	180M	91.7	90.0	32.0	180 (397)
MP0304	22	30	1800	180L	93.6	84.0	33.6	205 (452)
MP0306	22	30	1200	200L	93.0	82.0	34.6	290 (639)
MP0402	30	40	3600	200L	92.4	91.0	42.8	265 (584)
MP0404	30	40	1800	200L	94.1	89.5	42.8	285 (628)
MP0406	30	40	1200	225M	94.1	86.5	44.2	385 (849)
MP0502	37	50	3600	200L	93.0	91.0	52.5	300 (661)
MP0504	37	50	1800	225S	94.5	86.5	54.3	350 (772)
MP0506	37	50	1200	250M	94.1	88.0	53.6	460 (1014)
MP0602	45	60	3600	225M	93.6	93.5	61.7	340 (750)
MP0604	45	60	1800	225M	95.0	86.5	65.7	360 (794)
MP0606	45	60	1200	280S	94.5	85.5	69.5	600 (1322)
MP0752	56	75	3600	250M	93.6	93.0	75.9	465 (1025)
MP0754	56	75	1800	250M	95.4	88.0	78.7	480 (1058)
MP0756	56	75	1200	280M	94.5	84.5	87.9	660 (1455)
MP1002	75	100	3600	280S	94.1	89.5	111	585 (1290)
MP1004	75	100	1800	280S	95.4	87.5	112	620 (1367)
MP1006	75	100	1200	315S	95.0	84.0	117	900 (1984)
MP1252	93	125	3600	280M	95.0	89.5	138	615 (1356)
MP1254	93	125	1800	280M	95.4	88.5	139	690 (1521)
MP1256	93	125	1200	315M	95.0	84.5	146	960 (2116)
MP1502	112	150	3600	315S	95.0	91.0	162	860 (1896)
MP1504	112	150	1800	315S	95.8	88.0	167	960 (2116)
MP1506	112	150	1200	315M	95.8	84.5	173	1160 (2557)

Notes:

(1) All data subject to change without notice.