



400-Hz Operation

- small, light, excellent regulation
- high- and low-temperature lubrication
- iridite-treated aluminum parts
- fungicidal treatment of all phenolic parts
- special nickel-plated brush holders

The M-series models are designed for use at frequencies between 350 and 1200 Hz. They are electrically the high-frequency equivalents of the standard W series but are much smaller and lighter than the 60-Hz models. At 400 Hz, the regulation obtained with the M-series is considerably better than with the 60-Hz models.

All M-series units conform to most military specifications for shock, vibration, salt spray, tropicalization, altitude, humidity, and temperature. See General Specifications section for further information regarding military environmental specifications. Operation of the M-series models is possible at 60 Hz if the input is limited to 60 volts. The output current remains the same and the output voltage range is 0 to 70 volts.

Single-phase, 120-volt input, 400-Hz

Output				Description								
Rated Current Amperes	Max Current Amperes	kVA	Max Output Voltage Range	Type	Mounting	Connection	Catalog Number	Net Weight lb	Shipping Wt. lb	Outline Dimensions (inches)		
										W	H	D
2.4	3.1	0.37	0-140	M2	Open		3410-5110	2	3	3¼	3⅛	2⅛†
6.0	7.8	0.94	0-140	M5	Open		3430-5110	3	4	4½	4⅜	2⅛†
10.0	13.0	1.56	0-140	M10	Open		3460-5110	6	8	5¾	6⅝	3⅜†
20.0	26.0	3.12	0-140	M20	Open		3490-5110	13	15	7½	8⅝	3⅝†

Three-phase, 120-volt input, 400-Hz

2.4	3.1	0.65	0-140	M2G2	Open	Open Delta	3410-5120	4	5	3¼	3⅛	5⅞
6.0	7.8	1.62	0-140	M5G2	Open	Open Delta	3430-5120	7	8	4½	4⅜	5½
10.0	13.0	2.7	0-140	M10G2	Open	Open Delta	3460-5120	12	16	5¾	6⅝	6⅜
20.0	26.0	5.4	0-140	M20G2	Open	Open Delta	3490-5120	26	30	7	8⅝	7⅜

Three-phase, 120-208-240-volt, 400-Hz

2.4	3.1	1.30	0-240*	M2G3	Open	Wye	3410-5130	5	7	3½	3⅛	8¼
6.0	7.8	3.24	0-240*	M5G3	Open	Wye	3430-5130	10	12	4½	4⅜	8⅝
10.0	13.0	5.4	0-240*	M10G3	Open	Wye	3460-5130	19	23	5¾	6⅝	10¼
20.0	26.0	10.8	0-240*	M20G3	Open	Wye	3490-5130	38	43	7½	8⅝	10¼

* 17% overvoltage connection is permitted on 120/208, three-phase lines.

National stock numbers are listed at the back of the catalog.