GLOBAL MAX

AFHGTK, NEMA PREMIUM, MEDIUM VOLTAGE (500 HP - 200 HP)[KF]
AFJHTK, IEC, NEMA PREMIUM, MEDIUM VOLTAGE (900 HP - 1750 HP)[JF]

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

APPLICATIONS:

- Pumps
- Fans & Blowers
- Compressors
- Mills
- Grinders

FEATURES:

- Output Range: 500 - 2000 HP
- Speed: 3600, 1800, 1200 & 900 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP55)
- Voltage: 2300/4000V
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous)
- CSA Certified for Class I, Div. 2, Group B, C, D - Temp Code T3 Minimum
- CSA Certified for Class II, Div. 2, Group F & G - T3C Minimum
- Standard Features: Provisions for Bearing RTD's, 100 Ohm Platinum Stator RTD's(2/Phase), Space Heaters(120V)
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques
- Oversized Fabricated Steel Main Conduit Box Rotatable in 90 Degree Increments Fully Gasketed with NPT Threaded Entrance - F1 Mounted
- Designed for 40˚C Ambient Temperature(1)
- Designed for 3300 ft. Elevation(2)
- Bi-Directional Rotation; except 2 Pole which is Counter-Clockwise (CCW) facing the Drive End
- Cast Iron Frame and End Brackets
- 1045 Carbon Steel Shaft
- Squirrel Cage Copper Bar Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Dark Gray - Munsell 7.5B 3.5/0.5
- High Quality Ball (or Roller) Bearings Regreasable with Mobil Polyrex™ EM
- Bronze Labyrinth Type Metal Flinger on Both Ends
- Cast Iron Inner and Outer Bearing Caps
- Grounding Terminal Inside Main Box and on Motor Foot
- Stainless Steel Nameplate
- 6 Leads, with Solderless Lug Terminals
- Motors are CSA Approved
- Suitable for Inverter Use per NEMA MG-1 Part 31.4.4.2(3,4)

EXTRAS/ OPTIONS:

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

Notes:

(1) Consult a Stock Product Application Specialist for suitability in higher ambient environments, and for variable and constant torque speed ranges.
(2) Consult a Stock Product Application Specialist for suitability at higher elevations.
(3) Motor service factor is 1.0 when operated on a VFD.
(4) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG-1.Part 31. An isolation transformer or other method of mitigating common mode voltages from motor terminals must be utilized. Please refer to page 209 to check out our accompanying TEAMMaster™ starters.

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CAT. NO.	HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (2300V)	APPROX. SHIPPING WT. (lbs.)	
KF5002(1,2)	500	3600	5011A	95.0	89.5	111	5,945	
KF5004	500	1800	5011B	95.0	87.9	113	5,825	
KF5008	500	900	5810B	94.6	77.9	128	9,802	
KF6004	600	1800	5011B	95.2	86.5	137	6,145	
KF6008	600	900	5810B	94.6	77.5	154	10,740	
KF7006	700	1200	5810B	95.4	81.6	168	10,068	
KF8002(1,2)	800	3600	5810A	95.6	86.5	182	9,190	
KF8004	800	1800	5810B	95.6	83.6	188	9,310	
KF8008	800	900	6808B	95.0	74.2	214	13,081	
KF9004	900	1800	5810B	95.6	83.1	212	9,656	
KF9006	900	1200	6810B	95.5	82.7	213	13,606	
KF9008	900	900	6810B	95.2	73.0	242	13,666	
KF10004	1000	1800	6808B	95.6	80.4	245	11,471	
KF10006	1000	1200	6810B	95.7	83.1	237	14,836	
KF10008	1000	900	6810B	95.4	73.0	270	15,215	
KF12504	1250	1800	6810B	96.0	81.2	300	13,200	
KF12506	1250	1200	6811B	95.9	84.1	290	17,297	
KF12508	1250	900	6812B	95.6	71.4	342	17,500	
KF15004	1500	1800	6810B	96.1	82.1	356	15,362	
KF15006	1500	1200	6812B	96.1	81.6	359	16,100	
KF15008	1500	900	6812B	95.8	71.7	409	17,000	
KF17504	1750	1800	6811B	96.3	82.4	418	16,884	
KF17506	1750	1200	6812B	96.3	81.6	422	17,660	
KF20004	2000	1800	6812B	96.5	82.7	472	17,395	

Notes:

(1) Insulated non-drive end bearing as standard.

(2) Motors are unidirectional, with counter clockwise rotation, facing the drive end, to change please consult factory.

(3) Data subject to change without notice.

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CAT. NO.	HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (2300V)	APPROX. SHIPPING WT. (lbs.)	
JF09002(1)	900	3600	400C	95.9	89.6	189	8,200	
JF10002(2)	1000	3600	450C	97.0	91.0	213	9,200	
JF12502(3)	1250	3600	500C	96.8	91.5	264	11,500	
JF15002(3)	1500	3600	560C	96.3	92.0	318	12,900	
JF17502(3)	1750	3600	560C	96.5	92.0	369	13,200	

Notes:

(1) 400 frame motor is standard with antifriction ball bearings.
(2) 450 frame motor is standard with sleeve bearings and non-drive end insulated bearings; self lubricated.
(3) 500 frame and above, standard with sleeve bearings and non-drive end insulated bearings; force feed lubricated.
(4) Data subject to change without notice.