

Severe Duty Brake Motors Built for Reliability

Severe Duty Motors have been around for almost 40 years now. Standard Duty Motors are designed for general processing industries. These Severe Duty Motors are built rugged for rugged applications. Paper mills, mines, wood yards and other industries have come to rely on the dependability of these motors.



Until now, people that wanted Brake Motors didn't have a choice. Standard duty Brake Motors were their only option – even for rugged applications. Until now - Force Control Industries' Severe Duty Brake Motors are built for these rugged applications. The combination of a Severe Duty Motor with our MagnaShear brake makes this the first Brake Motor designed to provide the reliability and dependability you want even in the roughest/toughest industries. Force Control's Severe Duty Brake Motors are available in standard sizes up to 200 HP.

Builds on the Proven Reliability:

The MagnaShear Electric Brake use proprietary oil-shear technology perfected over more than 30 years by Force Control Industries. It transmits torque by shearing automatic transmission fluid between multiple friction discs. The fluid absorbs the heat of engagement and dissipates it through the housing. The recirculating fluid minimizes wear, resulting in exceptional service life, up to 10 times longer than conventional dry brakes.

The Severe Duty Motors feature cast iron frames and end-plates, heavy duty bearings, coated aluminum rotors to prevent corrosion and all joints gasketed and sealed for complete protection.

Combination makes only true Severe Duty Brake Motor:

The MagnaShear Electric Brake and Severe Duty Motors have both proven themselves dependable and reliable in hundreds of applications including proven mining conveyors, mining winches, concrete block manufacturing and cranes. Together, they make the only true Severe Duty Brake Motor.



Force Control Industries, Inc.

3660 Dixie Highway, Fairfield, Ohio 45014
Phone: (513) 868-0900 Fax: (513) 868-2105
www.forcecontrol.com info@forcecontrol.com

Standard Brake Motors

HP	RPM	NEMA Frame	Motor Voltage	Magnashear Brake Model	Available Brake Torques	Brake Motor Model
1/2	1200	056	230/460	MSB2-4-H-006-S-A-1	6, 8, 12	EBM-0.5/1200-056-F1-MSB2-006-S1
	1800	056	230/460	MSB2-4-H-006-S-A-1	6, 8, 12	EBM-0.5/1800-056-F1-MSB2-006-S1
3/4	1200	056	230/460	MSB2-4-H-008-S-A-1	6, 8, 12	EBM-0.75/1200-056-F1-MSB2-008-S1
	1800	056	230/460	MSB2-4-H-006-S-A-1	6, 8, 12	EBM-0.75/1800-056-F1-MSB2-006-S1
1	1200	145T	230/460	MSB2-4-H-012-S-A-1	6, 8, 12	EBM-1.0/1200-145-F1-MSB2-012-S1
	1800	143T	230/460	MSB2-4-H-006-S-A-1	6, 8, 12	EBM-1.0/1800-143-F1-MSB2-006-S1
1 1/2	1200	182T	230/460	MSB2-4-H-012-S-0-1	6, 8, 12	EBM-1.5/1200-182-F1-MSB2-012-S1
	1800	145T	230/460	MSB2-4-H-012-S-A-1	6, 8, 12	EBM-1.5/1800-145-F1-MSB2-012-S1
2	1200	184T	230/460	MSB4-5-H-021-S-0-1	14, 21, 33	EBM-2.0/1200-184-F1-MSB4-021-S1
	1800	145T	230/460	MSB2-4-H-012-S-A-1	6, 8, 12	EBM-2.0/1800-145-F1-MSB2-012-S1
3	1200	213T	230/460	MSB4-5-H-033-S-1-1	14, 21, 33	EBM-3.0/1200-213-F1-MSB4-033-S1
	1800	182T	230/460	MSB4-5-H-021-S-0-1	14, 21, 33	EBM-3.0/1800-182-F1-MSB4-021-S1
5	1200	215T	230/460	MSB6-8-H-062-S-1-1	38, 62, 86, 100	EBM-5.0/1200-215-F1-MSB6-062-S1
	1800	184T	230/460	MSB4-5-H-033-S-1-1	14, 21, 33	EBM-5.0/1800-184-F1-MSB4-044-S1
7 1/2	1200	254T	230/460	MSB6-8-H-086-S-3-1	38, 62, 86, 100	EBM-7.5/1200-254-F1-MSB6-086-S1
	1800	213T	230/460	MSB6-8-H-062-S-1-1	38, 62, 86, 100	EBM-7.5/1800-213-F1-MSB6-062-S1
10	1200	256T	230/460	MSB6-8-H-100-S-3-1	38, 62, 86, 100	EBM-10/1820-256-F1-MSB6-100-S1
	1800	215T	230/460	MSB6-8-H-062-S-3-1	38, 62, 86, 100	EBM-10/1800-215-F1-MSB6-062-S1
15	1200	284T	230/460	MSB8-R-150-R-5-1	100, 150, 200, 250	EBM-15/1200-284-F1-MSB8-150-R1
	1800	254T	230/460	MSB6-8-H-100-S-3-1	38, 62, 86, 100	EBM-15/1800-254-F1-MSB6-100-S1
20	1200	286T	230/460	MSB8-R-200-R-5-1	100, 150, 200, 250	EBM-20/1200-286-F1-MSB8-200-R1
	1800	256T	230/460	MSB8-Q-150-R-3-1	100, 150, 200, 250	EBM-20/1800-256-F1-MSB8-150-R1
25	1200	324T	230/460	MSB9-S-250-R-7-1	250, 300, 350, 450, 500	EBM-25/1200-324-F1-MSB9-250-R1
	1800	284T	230/460	MSB8-R-150-R-5-1	100, 150, 200, 250	EBM-25/1800-284-F1-MSB8-150-R1
30	1200	324T	230/460	MSB9-S-300-R-7-1	250, 300, 350, 450, 500	EBM-30/1200-324-F1-MSB9-300-R1
	1800	286T	230/460	MSB8-R-200-R-5-1	100, 150, 200, 250	EBM-30/1800-286-F1-MSB8-200-R1
40	1200	364T	230/460	MSB9-S-350-R-E-1	250, 300, 350, 450, 500	EBM-40/1200-364-F1-MSB9-350-R1
	1800	324T	230/460	MSB9-S-250-R-7-1	250, 300, 350, 450, 500	EBM-40/1800-324-F1-MSB9-250-R1
50	1200	365T	230/460	MSB9-S-450-R-E-1	250, 300, 350, 450, 500	EBM-50/1200-365-F1-MSB9-450-R1
	1800	326T	230/460	MSB9-S-300-R-7-1	250, 300, 350, 450, 500	EBM-50/1800-326-F1-MSB9-300-R1
60	1200	404T	230/460	MSB10-S-650-R-E-1	600, 650, 750, 900	EBM-60/1200-404-F1-MSB10-650-R1
	1800	364TS	230/460	MSB9-S-350-R-7-1	250, 300, 350, 450, 500	EBM-60/1800-364-F1-MSB9-350-R1
75	1200	405T	230/460	MSB10-S-650-R-E-1	600, 650, 750, 900	EBM-75/1200-405-F1-MSB10-650-R1
	1800	365TS	230/460	MSB9-S-450-R-E-1	250, 300, 250, 450, 500	EBM-75/1800-365-F1-MSB9-450-R1
100	1200	444T	230/460	MSB12-T-950-R-?-1	625, 950, 1250	EBM-100/1200-444-F1-MSB12-950-R1
	1800	404TS 405TS	230/460	MSB10-S-650-R-E-1	600, 650, 750, 900	EBM-100/1800-405-F1-MSB10-650-R1
125	1200	445T	230/460	MSB12-T-1250-R-?-1	625, 950, 1250	EBM-125/1200-445-F1-MSB12-1250-R1
	1800	405TS 444TS	230/460	MSB10-S-650-R-E-1	600, 650, 750, 900	EBM-125/1800-405-F1-MSB10-650-R1
150	1800	444TS 445TS	230/460	MSB12-T-950-R-?-1	625, 950, 1250	EBM-150/1800-444-F1-MSB12-950-R1
200	1800	455TS	230/460	MSB12-T-1250-R-R-1	625, 950, 1250	EBM-200/1800-455-F1-MSB12-1250-R1

