



MBL-5.7

SPECIFICATIONS - ENGLISH (IN-OZ and FT-LB)

OUTSIDE DIAMETER:	5.70 inches	5.70 inches
MAX. TORQUE AT ZERO RPM:	558 in-oz	2.91 ft-lb
MAX. TORQUE AT MAX RPM:	1,239 in-oz	6.45 ft-lb
MAX. RPM:	8,000 rev/min	8,000 rev/min
MIN. TORQUE AT MAX RPM*:	172 in-oz	0.90 ft-lb
MAX. POWER @ MAX. RPM FOR 15 SEC.:	5.58 hp	5.58 hp
MAX. CONTINUOUS POWER @ MAX. RPM:	3.37 hp	3.37 hp

*This torque is due to air drag and bearing friction; current and cogging at zero level.

MAX. CDIL CURRENT (Amps)	RESISTANCE $\pm 102825^{\circ}\text{C}$ (ohms)	MAX. VOLTAGE (Vdc)	+24Vdc SUPPLY CURRENT (Amps)	-24Vdc SUPPLY CURRENT (Amps)	ROTOR INERTIA (in. oz. s ²)	BRAKE WEIGHT (lbs.)
5.0	2.8	24	0.5	5.0	0.316	16.2

NOTES:

- A 2.06 DIAMETER HOLE IS REQUIRED FOR VENTILATION PURPOSES.
- IF THE BRAKE IS MOUNTED ON A FLAT SURFACE IT SHOULD BE SPACED 0.25 INCHES FROM THE SURFACE.
- 8357-1070 IS AN OPTIONAL ITEM (3 PCS. REQ.) AND SHOULD BE ORDERED SEPARATELY.
- 00500 BORE, ABE3 3, FAFNIR SSKDD OR EQUIVALENT.
- DIMENSIONS SHOWN ARE FOR THE STOCK SHAFT WITH ONE FLAT ON EACH END. CUSTOMER MAY REQUEST SHAFT WITH KEYWAYS. SHAFT MATERIAL: 17-4 PH STAINLESS, RC 38, 175,000 PSI.
- ROTOR INERTIA INCLUDES THE SHAFT, IMPELLER AND DRAG RING.

TECHNICAL SPECIFICATIONS:

- WIRE CONNECTIONS
- BALL BEARINGS (SEE NOTE 3)
- PRIMARY MOUNTING HOLES #10-32 X .50 DP, DN #3.000 B.C. EQUALLY SPACED - 3 PLACES
- ALTERNATE MOUNTS PART # 8357-1070 (SEE NOTE 2)
- #8-32 X 4 DP, DN #6.000 B.C. EQUALLY SPACED - 3 PLACES

MBS MAGNETIC BRAKE SYSTEMS
 4725 CALLE GUETZAL, CAMARILLO, CA 93022
 800-828-8888
 BRAKE - MAGNETIC, MODEL MBL-5.7

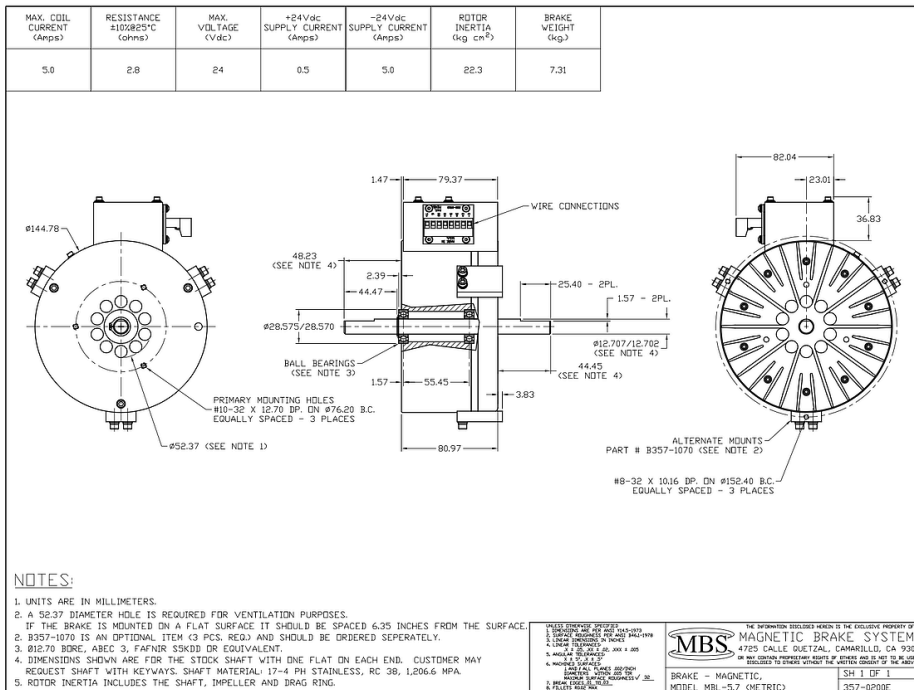


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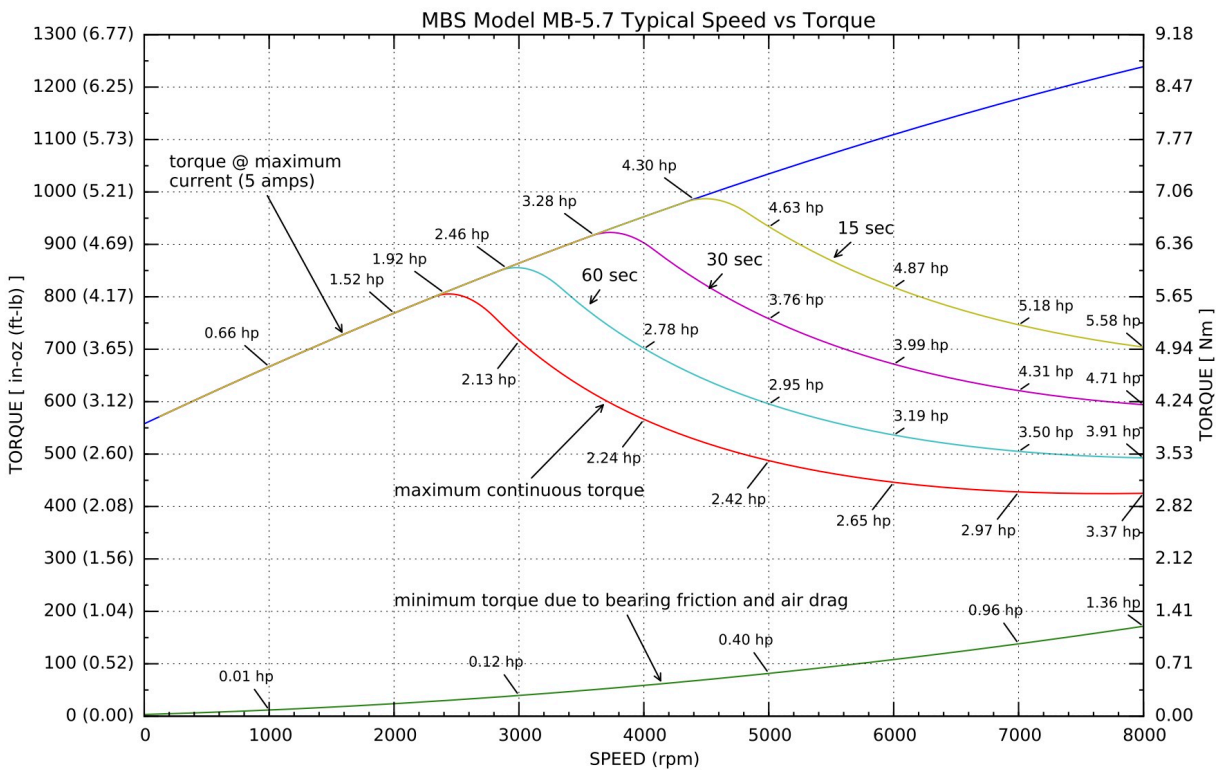
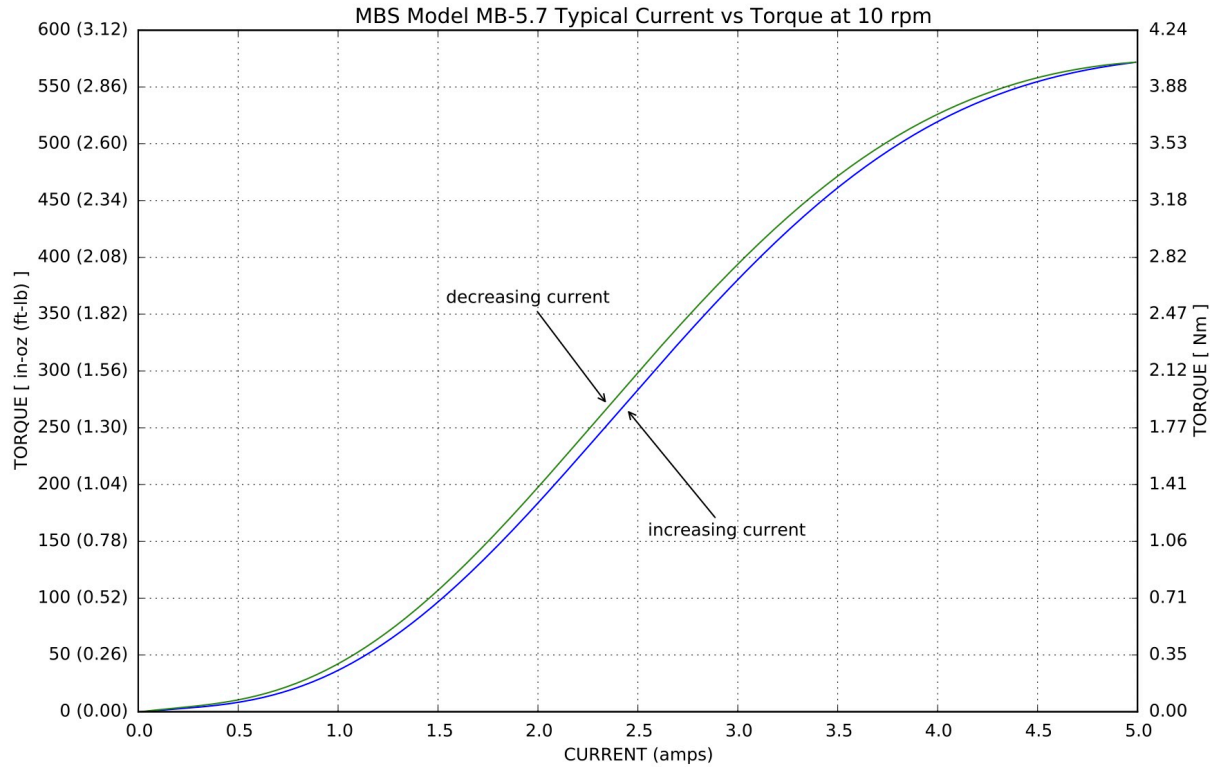
SPECIFICATIONS - SI

OUTSIDE DIAMETER:	144.78 mm
MAX. TORQUE AT ZERO RPM:	3.94 N-m
MAX. TORQUE AT MAX RPM:	8.75 N-m
MAX. RPM:	837.76 rad/sec
MIN. TORQUE AT MAX RPM*:	1.21 N-m
MAX. POWER @ MAX. RPM FOR 15 SEC.:	4,164 watts
MAX. CONTINUOUS POWER @ MAX. RPM:	2,515 watts

*This torque is due to air drag and bearing friction; current and cogging at zero level.



PERFORMANCE CURVES - STANDALONE MBS BRAKE



July 2018 - Magnetic Brake Systems - <http://www.magbrakesystems.com> - tel: +1 805-383-6903

PERFORMANCE CURVES - MBS BRAKE WITH AN MBS CONTROLLER

