

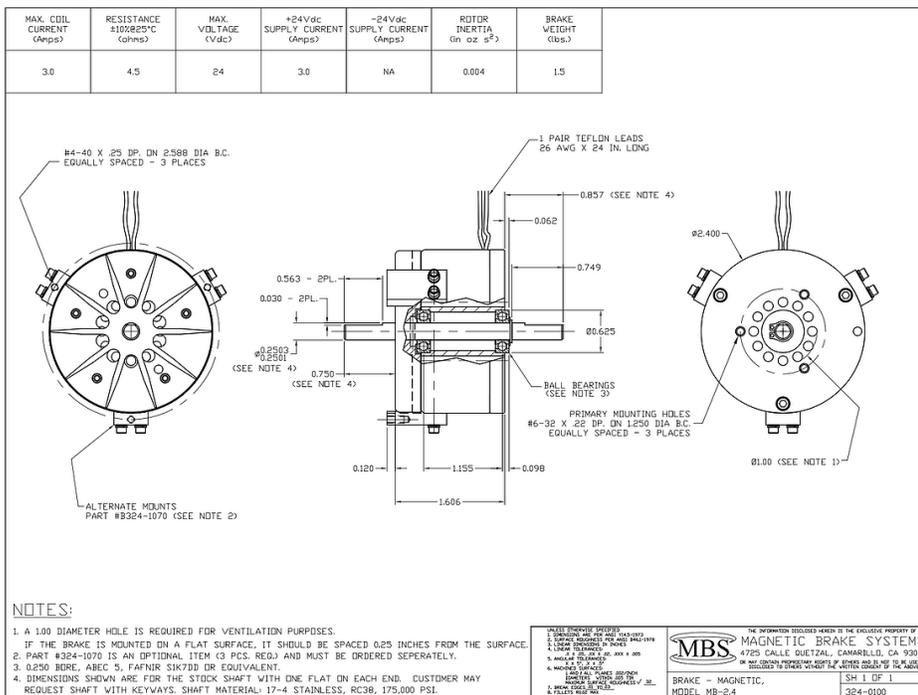


MB-2.4

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

OUTSIDE DIAMETER:	2.40 inches	2.40 inches
MAX. TORQUE AT ZERO RPM:	36 in-oz	0.19 ft-lb
MAX. TORQUE AT MAX RPM:	61 in-oz	0.32 ft-lb
MAX. RPM:	15,000 rev/min	15,000 rev/min
MIN. TORQUE AT MAX RPM*:	5 in-oz	0.03 ft-lb
MAX. POWER @ MAX. RPM FOR 15 SEC.:	0.99 hp	0.99 hp
MAX. CONTINUOUS POWER @ MAX. RPM:	0.99 hp	0.99 hp

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





MB-2.4

SPECIFICATIONS - SI

- OUTSIDE DIAMETER: **60.96 mm**
- MAX. TORQUE AT ZERO RPM: **0.25 N-m**
- MAX. TORQUE AT MAX RPM: **0.43 N-m**
- MAX. RPM: **1,570.80 rad/sec**
- MIN. TORQUE AT MAX RPM*: **0.04 N-m**
- MAX. POWER @ MAX. RPM FOR 15 SEC.: **739 watts**
- MAX. CONTINUOUS POWER @ MAX. RPM: **739 watts**

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

MAX. COIL CURRENT (Amps)	RESISTANCE ±10%@25°C (ohms)	MAX. VOLTAGE (Vdc)	+24Vdc SUPPLY CURRENT (Amps)	-24Vdc SUPPLY CURRENT (Amps)	ROTOR INERTIA (kg cm ²)	BRAKE WEIGHT (kg.)
3.0	4.5	24	3.0	NA	0.282	0.68

NOTES:

- UNITS ARE IN MILLIMETERS.
- A 25.40 DIAMETER HOLE IS REQUIRED FOR VENTILATION PURPOSES. IF THE BRAKE IS MOUNTED ON A FLAT SURFACE, IT SHOULD BE SPACED 6.35MM FROM THE SURFACE.
- PART #324-1070 IS AN OPTIONAL ITEM (3 PCS. REQ.) AND MUST BE ORDERED SEPARATELY.
- 6.35 BORE, ABEC 5, FINISH SK70D 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 STAINLESS, RC3B, 1,206.6 MPa.

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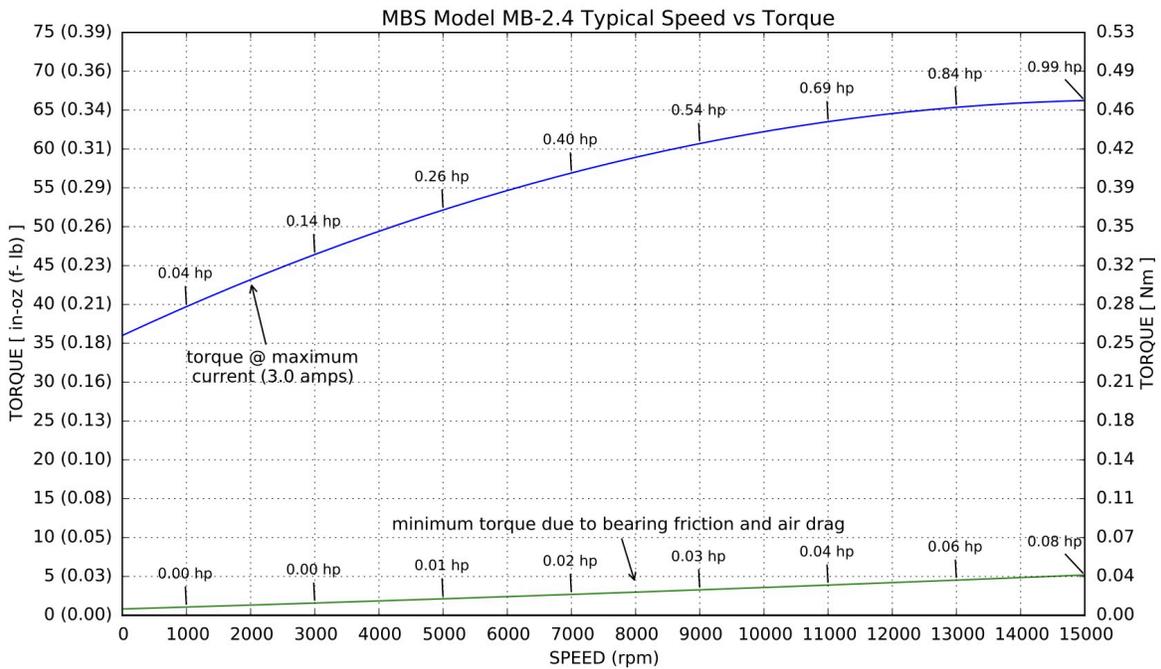
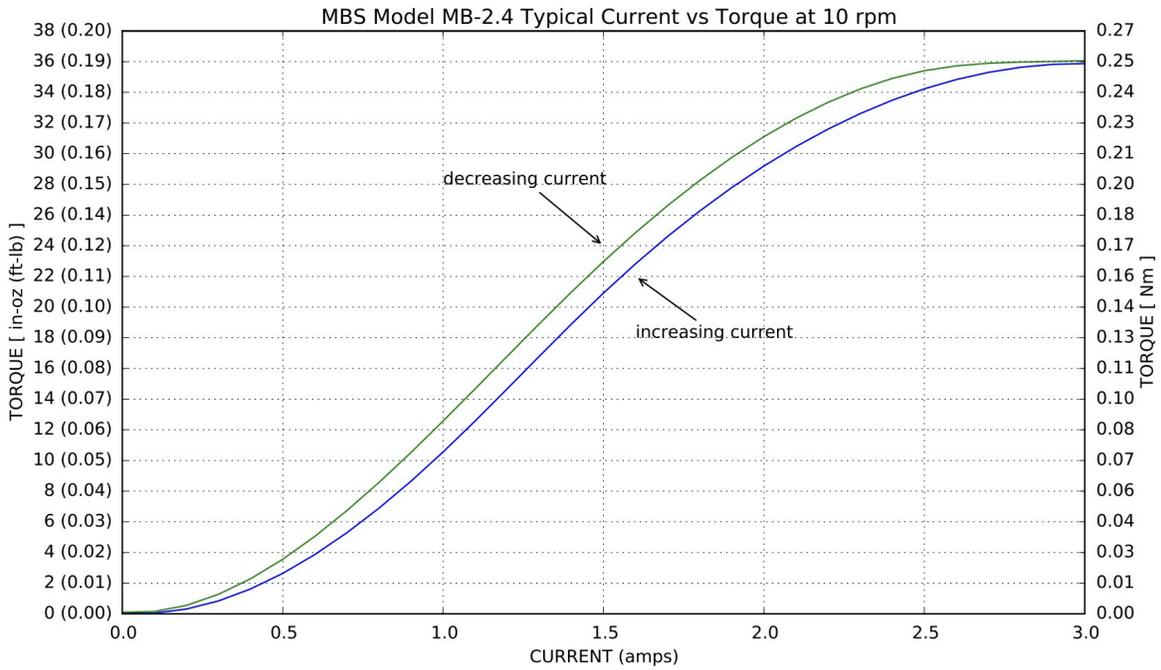
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PERFORMANCE CURVES - STANDALONE MBS BRAKE



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