



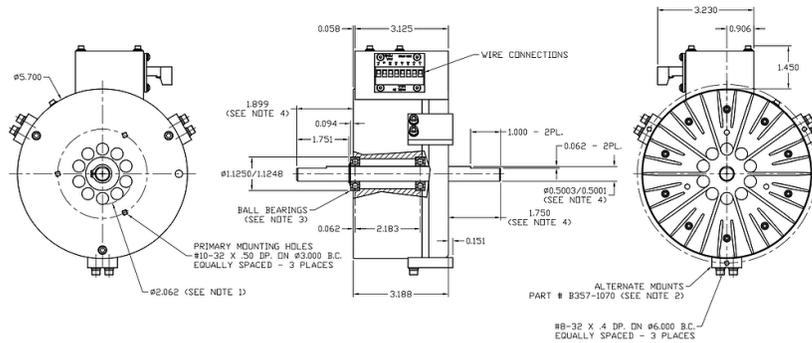
MBZ-5.7

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. COIL CURRENT (Amps) | RESISTANCE ±10%@25°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 | 6.5 | 5.0 | 0.316 | 16.4 |



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.
- B357-1070 IS AN OPTIONAL ITEM (3 PCS. REQ.) AND SHOULD BE ORDERED SEPARATELY.
- 805500 BORE, ABEC 3, F4P/NR SKDD 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.

| | |
|---|--|
| <p>PLEASE SPECIFY: 1. MODEL NUMBER AND REV. 2. ORDER NUMBER AND REV. 3. DATE ORDERED 4. QUANTITY 5. MODEL NUMBER AND REV. 6. MODEL NUMBER AND REV. 7. MODEL NUMBER AND REV. 8. MODEL NUMBER AND REV. 9. MODEL NUMBER AND REV. 10. MODEL NUMBER AND REV.</p> | <p>THE INFORMATION INCLUDED HEREIN IS THE EXCLUSIVE PROPERTY OF MBS MAGNETIC BRAKE SYSTEMS 4725 CALLE GUETZAL, CAMARILLO, CA 93002 © 2005 MBS MAGNETIC BRAKE SYSTEMS. ALL RIGHTS RESERVED.</p> |
| <p>BRAKE - MAGNETIC, MODEL MBZ-5.7</p> | <p>LSH 1 OF 1 357-0300E</p> |

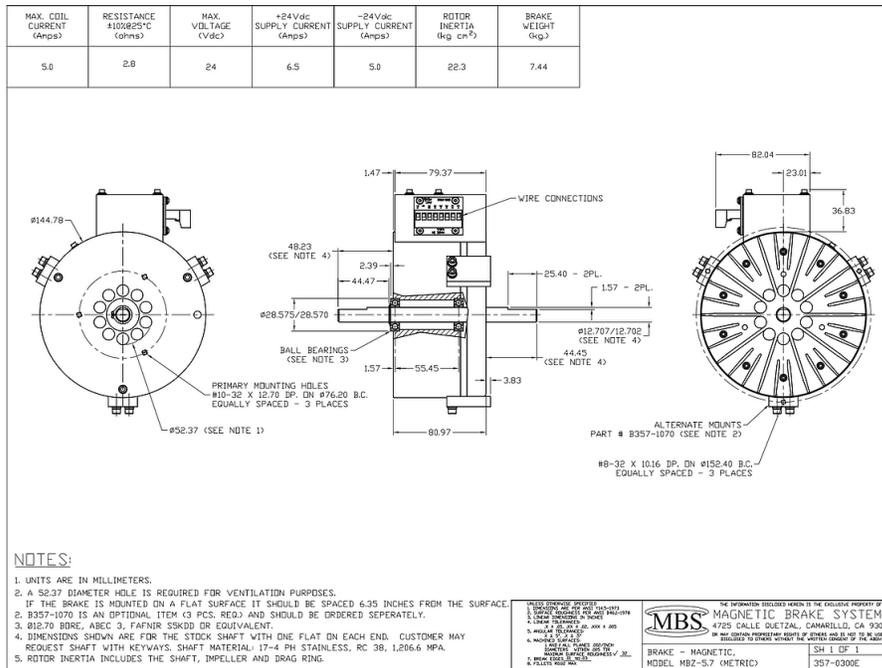


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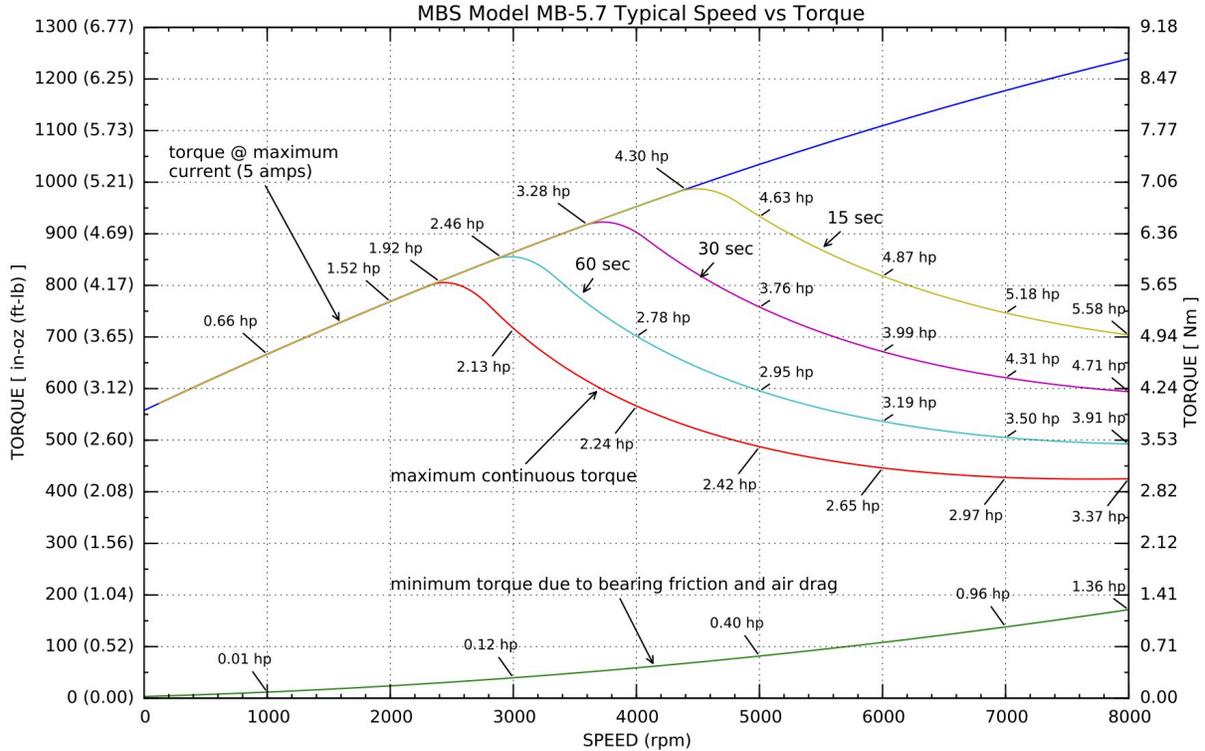
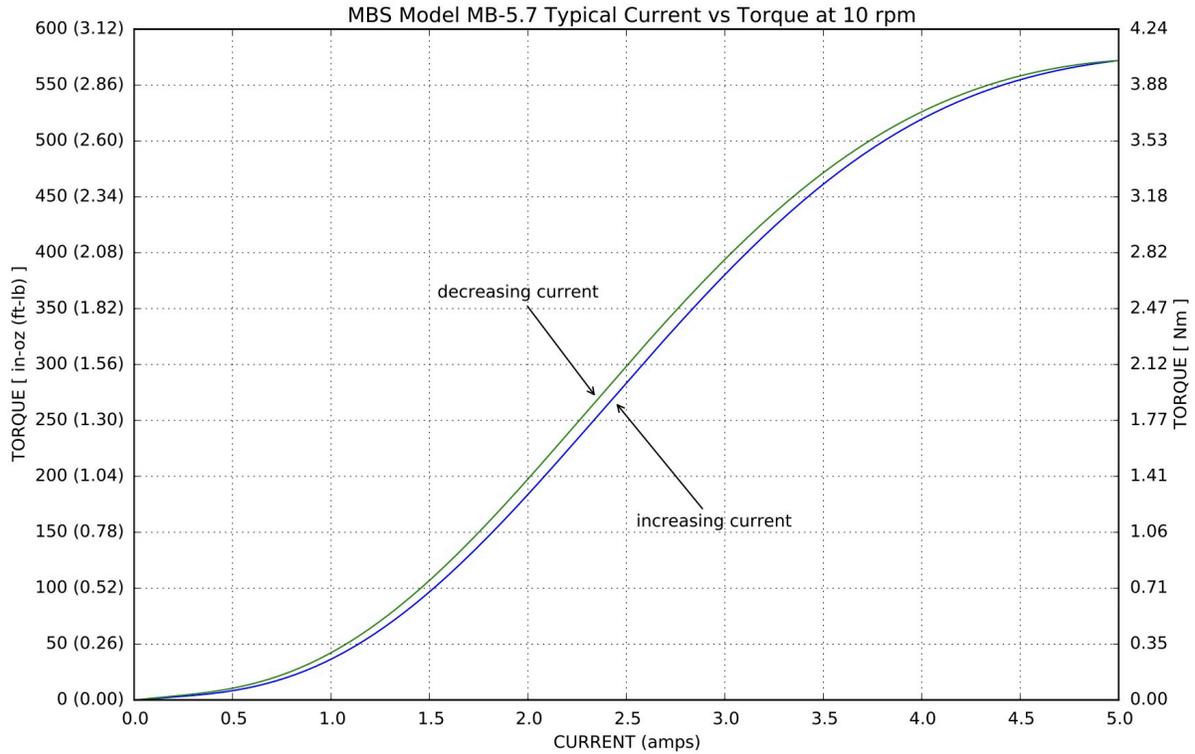
SPECIFICATIONS - SI

| | |
|------------------------------------|-----------------------|
| 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

