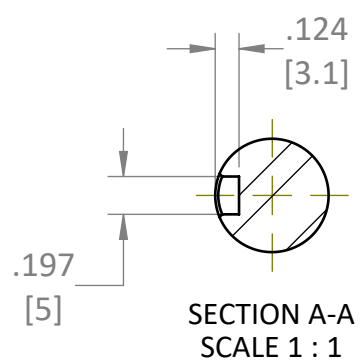
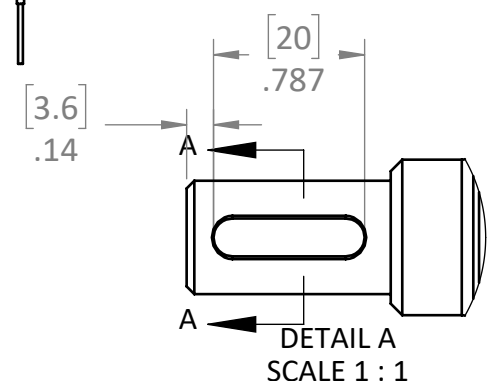
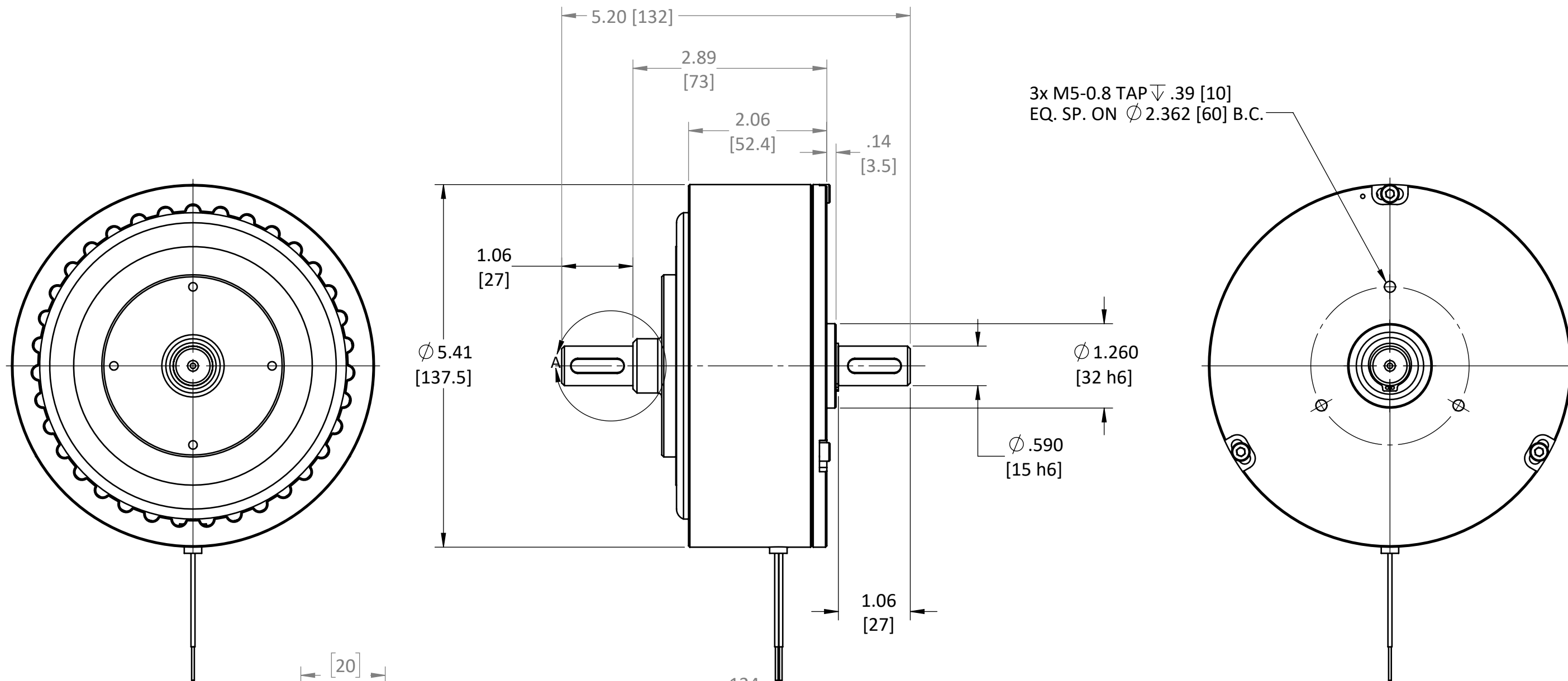


MODEL NO.	VOLTAGE (Vdc)	RATED CURRENT (mA)	MIN. TORQUE AT RATED CURRENT	RESISTANCE ±10% @ 25°C (OHMS)	NOMINAL POWER (WATTS)	MAX SPEED (RPM)	POWER RATING (WATTS) 5 MINUTES	POWER RATING (WATTS) CONTINUOUS	RESIDUAL TORQUE @ 1000 RPM (Nm)	ROTOR INERTIA	ANGULAR ACCELERATION (rad / s ²)	WEIGHT
EB-450	24	473	509.8 oz-in	50	9.8	8,000*	670	160	2.14 oz-in	6.63 x 10 ⁻³ in-lb sec ²	4,800	12.32 lb
EB-450	24	473	3.60 Nm	50	9.8	8,000*	670	160	15.1 x 10 ⁻³ Nm	7.5 kg cm ²	4,800	5.60 kg

REVISIONS			
REV.	ECN.	DESCRIPTION	DATE

*** BALANCING FOR HIGH SPEED APPLICATIONS REQUIRED**



USED ON
EB-450M-2DS

SCALE
5:8

MATERIAL
SEE PRT DWG

FINISH
SEE PRT DWG

DRAWN
AMD 11/28/12

CHECKED
ASM 1/5/2022

SIZE: B

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMAL: .XX ± .01 .XXX ± .005
ANGULAR: ± 1°
GEN. CONCENTRICITY: .001 T.I.R.
MACH. FILLETS: .010 R
MACH. EDGES: .015 R OR CHMF.
UNSPECIFIED RADII: .015 R
IN MICROINCHES RMS 32
GEOMETRIC: TO MIL-ST'D. 8
REMOVE ALL BURRS & SHARP EDGES

MAGNETIC TECHNOLOGIES LTD.
43 TOWN FOREST ROAD OXFORD, MA 01540

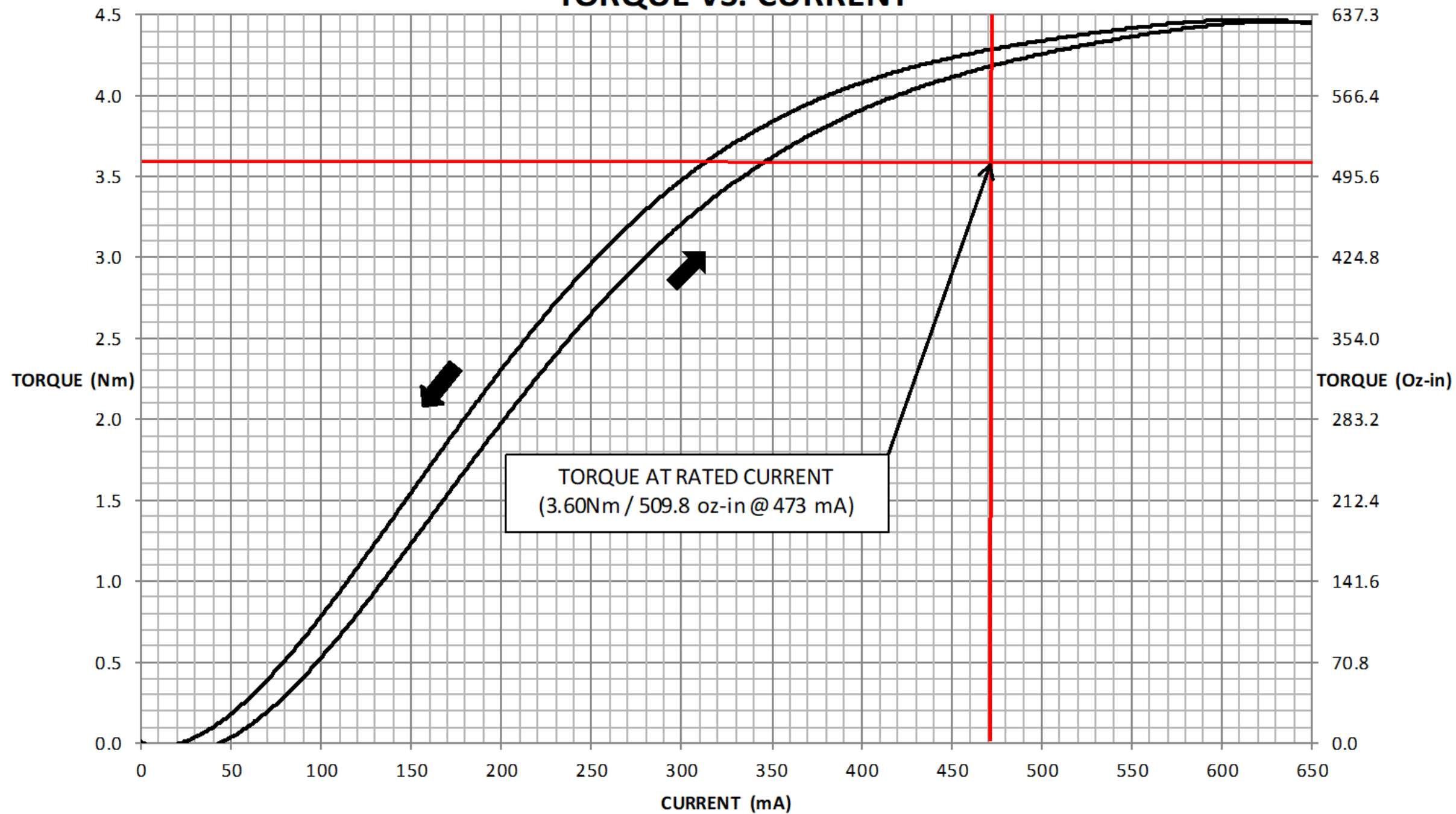
DESCRIPTION
ELECTRIC HYST. BRAKE

DWG. NO. **EB-450M-2DS** REV.

THIS DRAWING IS THE PROPERTY OF MAGNETIC TECHNOLOGIES LTD. AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT SHALL NOT BE LENT, COPIED, REPRODUCED NO DISCLOSED TO ANY OTHER PERSON, IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF MAGNETIC TECHNOLOGIES LTD.

EB-450M-2DS ELECTRIC HYSTERESIS BRAKE


TORQUE VS. CURRENT



NOTE:

1. ACTUAL CURVE MAY VARY. THE TORQUE AT THE RATED CURRENT IS THE MINIMUM GUARANTEED TORQUE AT THAT CURRENT. TYPICAL BRAKES CAN BE 10-25% OVER RATED TORQUE, BUT THOSE RESULTS ARE **NOT** GUARANTEED.

THIS DRAWING IS THE PROPERTY OF MAGNETIC TECHNOLOGIES LTD. AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT SHALL NOT BE LENT, COPIED, REPRODUCED NO DISCLOSED TO ANY OTHER PERSON, IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF MAGNETIC TECHNOLOGIES LTD.

USED ON EB-450M-2DS	SCALE	MATERIAL	 43 TOWN FOREST ROAD OXFORD, MA 01540
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES: DECIMAL: .XX ± .01 .XXX ± .005 ANGULAR: ± 1° GEN. CONCENTRICITY: .001 T.I.R. MACH. FILLETS: .010 R MACH. EDGES: .015 R OR CHMF. UNSPECIFIED RADII: .015 R IN MICROINCHES RMS 32 GEOMETRIC: TO MIL-ST'D. 8 REMOVE ALL BURRS & SHARP EDGES			
			DESCRIPTION TECHNICAL DATA DWG. NO. EB-450M-2DS REV.