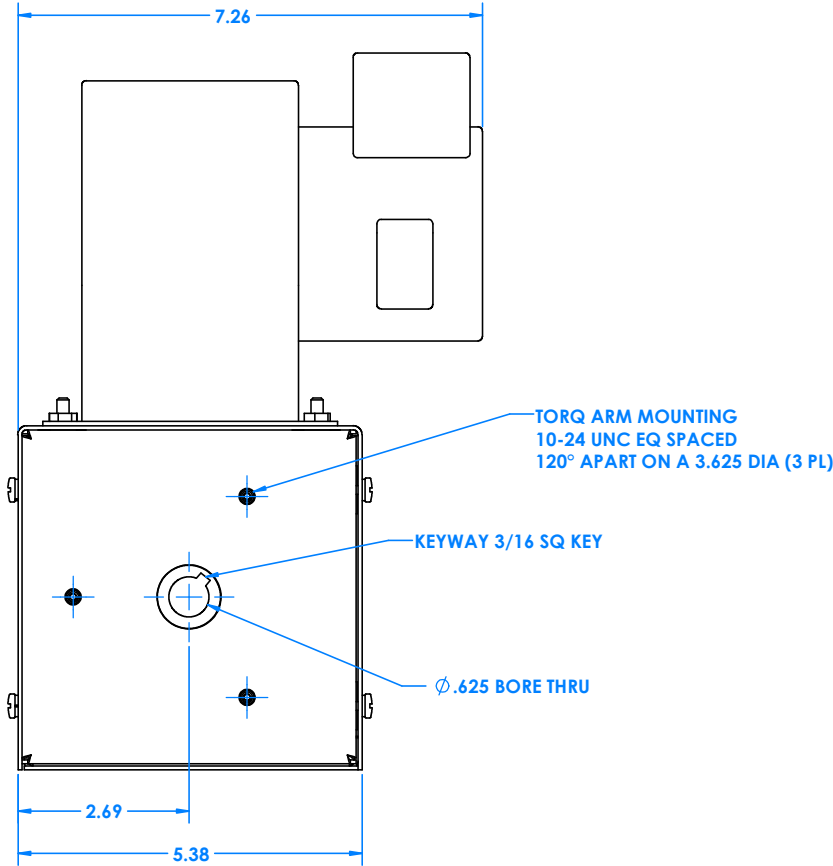
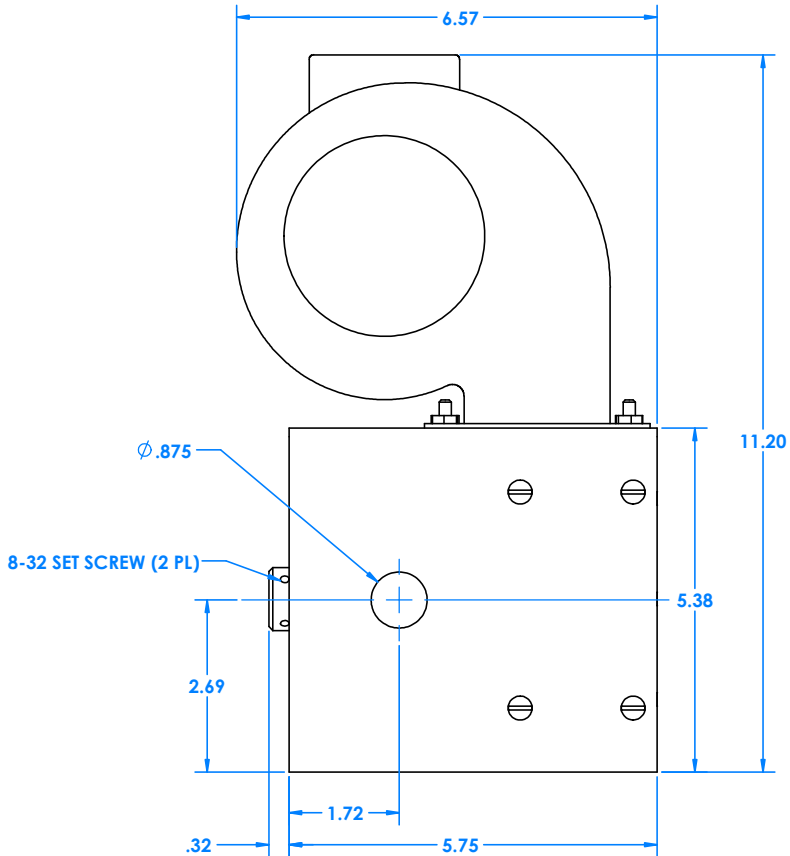


5MBA90S MAGNEBRAKE PERFORMANCE & OUTLINE



5MBA90S

P/N 2960657-002

TYPE OF COOLING
MOUNTING
MAX. SHAFT DEVIATION FROM HORIZONTAL

FORCED AIR
5/8" SHAFT MOUNTING
30°

Brake must have suitable torque arm to stop rotation using the three tapped holes in the rear end bell. Torque arm should be free floating.
Torque arm available: **Model TAB-5**

SPECIFICATIONS

TORQUE RANGE (LB. FT.)	.15 - 5
SPEED RANGE (RPM)	0 - 4000
HEAT DISSIPATION (WATTS AT 1800 RPM)	400
(HP AT 1800 RPM)	.54
NON-EXCITED DRAG TORQUE (LB. FT.) MAX	.15
WEIGHT LBS. (APPROX.)	15
ROTOR MOMENT OF INERTIA - (LB. FT. ²)	.011

BLOWER DATA

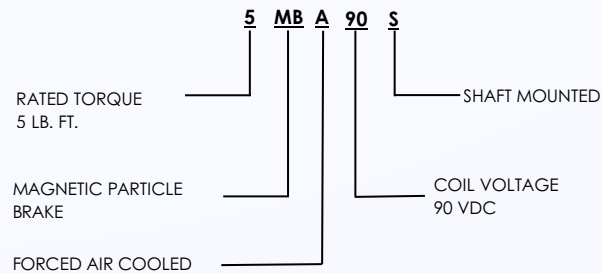
115V AC, 1 Ph **Frequency 50/60 Hz**
1/25 hp **Current 0.75 A**

COIL DATA

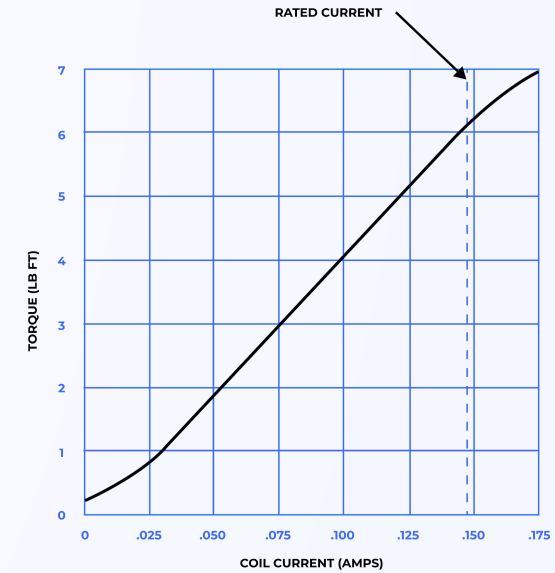
VOLTS DC	COIL TEMPERATURE (°C)	RESISTANCE (OHMS)	RATED CURRENT (AMPS)	CURRENT TIME CONSTANT (SEC)	TORQUE TIME CONSTANT (SEC)
90	20	470	.147	.060	.125

The time in seconds for current or torque to reach 63% of its final value after a step change in voltage is applied.

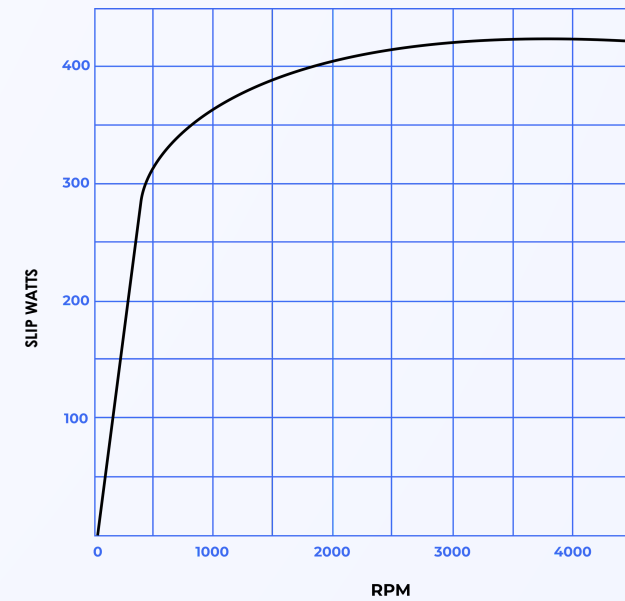
MODEL CODE



TORQUE VS. COIL CURRENT



HEAT DISSIPATION VS. SPEED



NOTE: The graph represents the average, continuous heat dissipation capacity of units operating under slip conditions. Slip watts can be calculated using the formula below. To ensure the life of the unit, it may be applied up to or below the curve.

$$\text{Slip watts} = \frac{\text{Torque} \times \text{RPM}}{7.04}$$