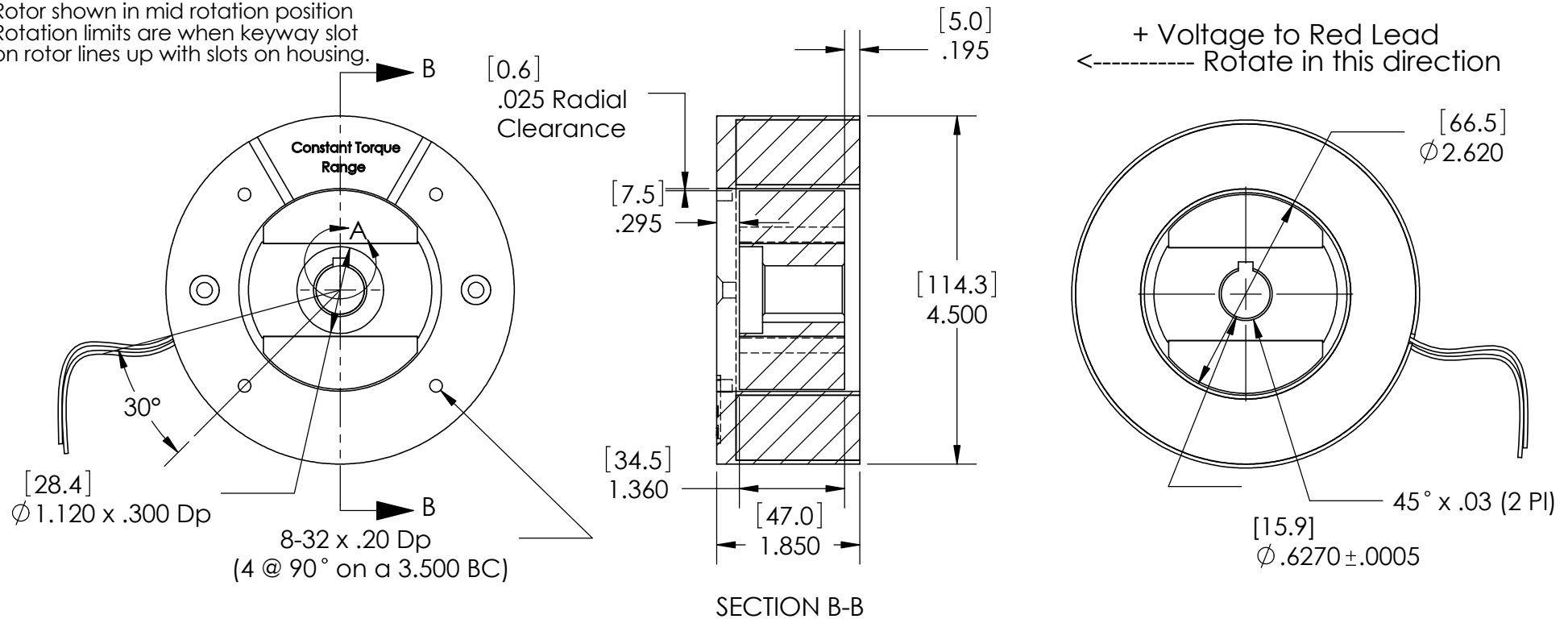


Note:

Rotor shown in mid rotation position
Rotation limits are when keyway slot on rotor lines up with slots on housing.



DETAIL A
SCALE 1.5 : 1

UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
.XXX $\pm .005$ ANGLES $\pm 1^\circ$
.XX $\pm .010$ FILLETS AND
X $\pm .020$ CORNERS .010
Remove All Burrs and Sharp Edges

MATERIAL

FINISH

DRAWN
MPW

DATE
2-13-02

APPROVED
FGW

DATE
2-13-02

TITLE
**Limited Angle Torque Motor
Model# TMR-060-45-100-2V**

DWG #
80-0014

REV
A

ECN

H2W Technologies, Inc.

28310-C Ave Crocker Valencia, CA 91355 USA
Tel: (661)-702-9346 Fax: (661)-702-9348
www.h2wtech.com

LIMITED ANGLE TORQUE MOTOR SPECIFICATIONS		
Motor P/N	TMR-060-45-100-2V	
Device Type	MR	
Stroke	60 degrees	1.05 radians
Radial Clearance	0.025 in	0.64 mm
Housed with Bearings	No	
Rotor Inertia	29.0 oz-in ²	5.24 E-4 kg-m ²
Total Mass	5.0 lbs	2.25 kgs
Resistance @ 20C	30 ohms	
Inductance @ 20C	29 mH	
Electrical Time Constant	0.97 msec	
Motor Constant	36 in-oz/sqrt(watt)	25 N-cm/sqrt(watt)
Torque Constant	197 in-oz/amp	138 N-cm/amp
Back EMF	0.15 V/rpm	1.4 V/rad/sec
Torque @ 100% Duty	250 in-oz	175 N-cm
Power @ 100% Duty	48 watts	
Current @ 100% Duty	1.3 amps	
Torque @ 10% Duty	750 in-oz	524 N-cm
Power @ 10% Duty	430 watts	
Current @ 10% Duty	3.9 amps	