

GPG-9F 80:1

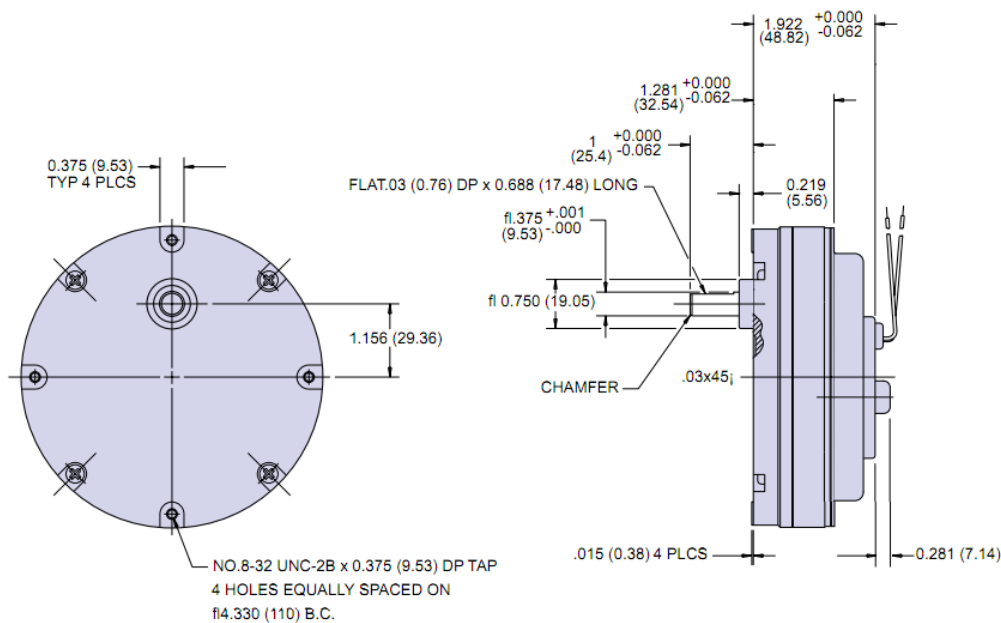
Peak Torque **700 Ncm**
 Cont. Torque **700 Ncm**
 Cont. Power **61 Watts**
 Speed **<1 to 23 rpm**



The Printed Motor Works GPG-9F is a totally enclosed dc motor in an ultra slim pancake profile. This pancake motor, coupled with an axially compact 80:1 reduction spur gearbox, offers high output torque from a very thin package. Using flat armature technology the motor is ideal for general purpose applications.

Motor Constants	Symbol	Unit	Value
Voltage	Ke	V/krpm	2.3
Torque	Kt	Ncm/Amp	2.2
Damping	Kd	Ncm/1000rpm	0.30
Friction	Tf	Ncm	1.2
Terminal Resistance	I	Ohm	1.1

Output Ratings	Unit	Value
Voltage	Volts	12
Current	Amps	5.1
Torque	Ncm	600
Speed	RPM	38
Power	Watts	61



Sample design modifications

Shaft

Round shaft
 Extra flats
 Length variants
 Cut gear
 Other modifications

Brushes

Long life for continuous duty applications
 Low resistance brushes for servo applications
 High altitude
 Vacuum

Extra

EMC suppression
 Long leads
 Connectors
 Tri-rated cable
 Rated for operation in 150°C ambient
 Encoder Options
 Parking Brake