

GPM16LR

Peak Torque **730 Ncm**
 Cont. Torque **73 Ncm**
 Cont. Power **221 Watts**
 Speed **<1 to 6000 rpm**

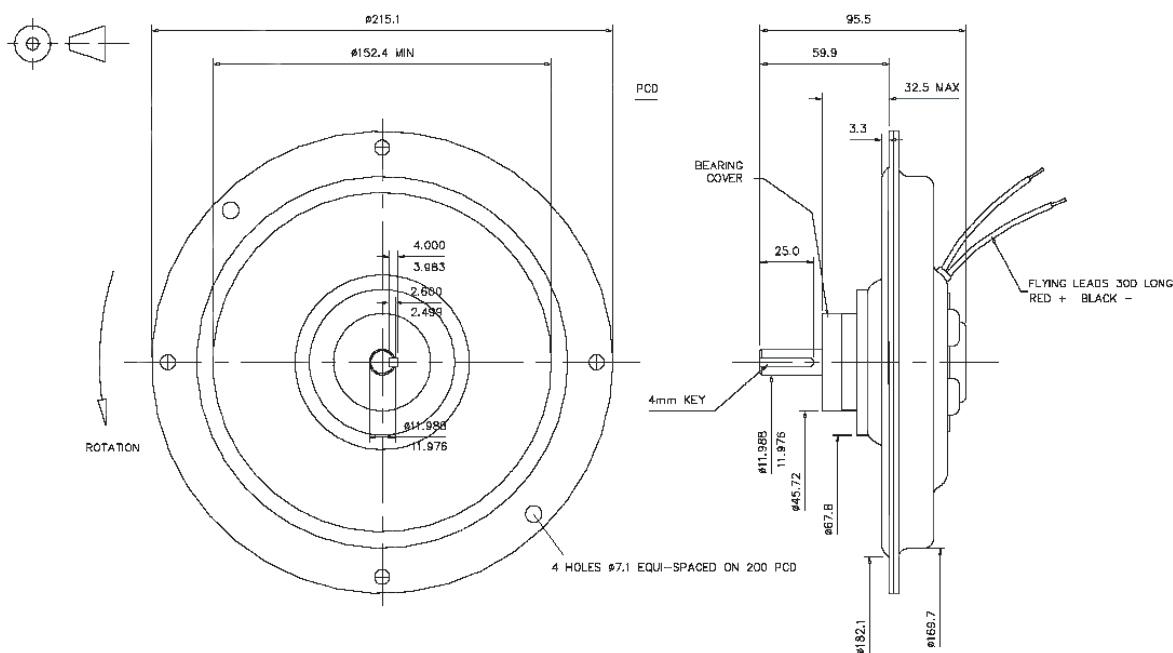
The Printed Motor Works GPM16LR is a totally enclosed dc motor in ultra slim pancake profile designed specifically for low voltage and battery applications. This pancake motor can provide cost effective servo capability at lower voltages, compared with the standard GP series.



GPM16LR

Motor Constants	Symbol	Unit	Value
Voltage	Ke	V/krpm	6.3
Torque	Kt	Ncm/Amp	6.0
Damping	Kd	Ncm/1000rpm	1.0
Friction	Tf	Ncm	4.9
Terminal Resistance	I	Ohm	0.45

Motor Ratings	Unit	Value
Voltage	Volts	24.0
Current	Amps	13.4
Torque	Ncm	73.0
Speed	RPM	2905
Power	Watts	221



Sample design modifications

Shaft

Round shaft
 Extra flats
 Length variants
 Cut gear
 Other modifications

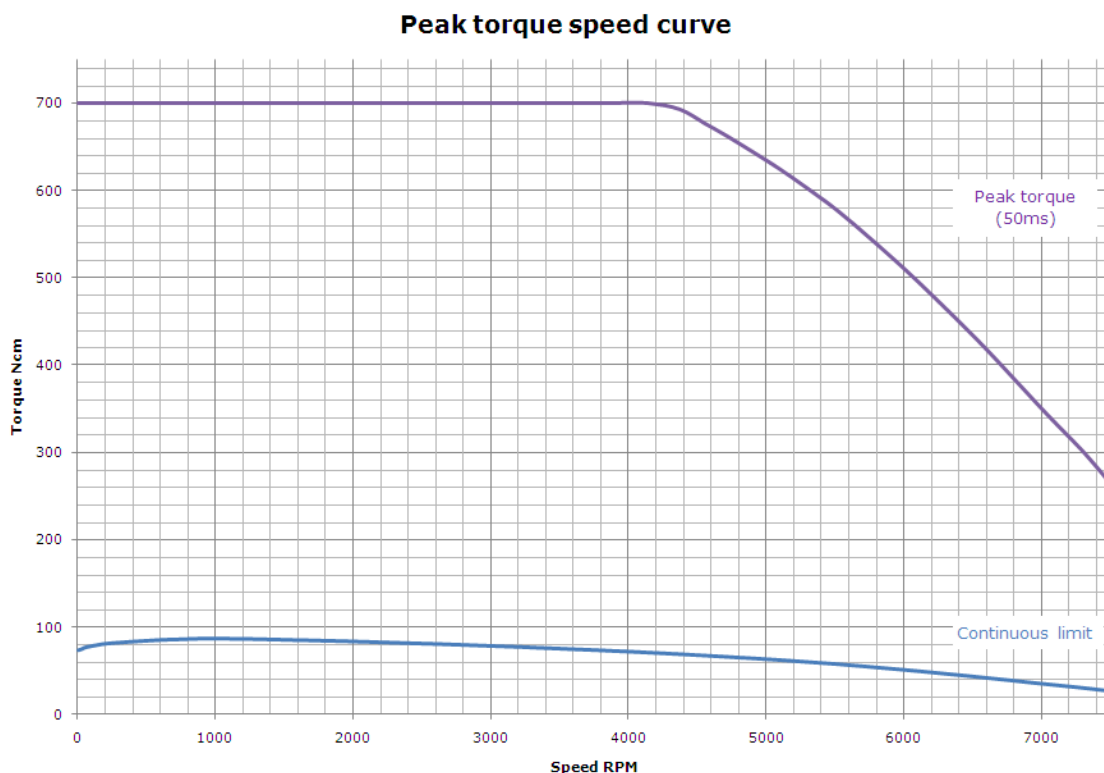
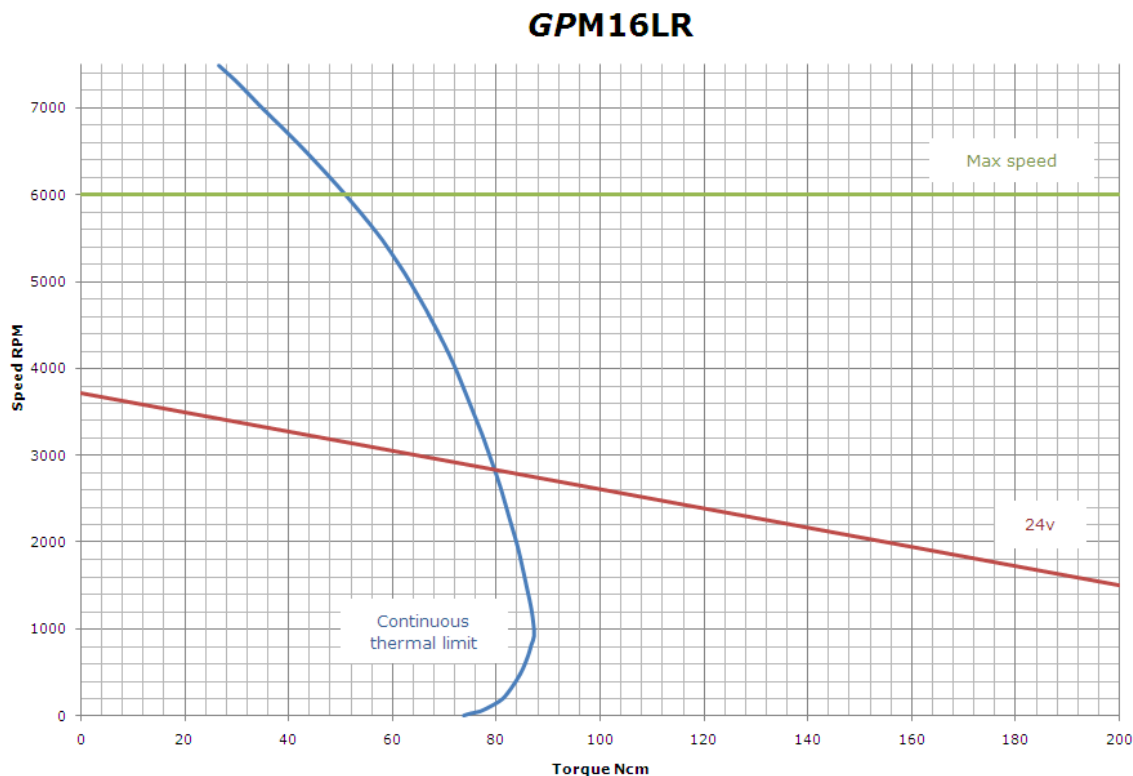
Brushes

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





NOTE: The angle of the Torque/Speed curve remains the same for higher and lower voltages. The speed varies proportionally from zero rpm relative to the voltage supplied. The stated voltage is an example, not a predefined maximum or minimum. Due to ongoing product improvement data in this datasheet maybe subject to change without notice.