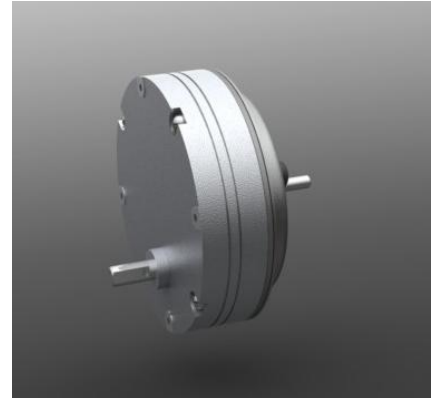


GPG9 Series

Torque **39 Nm**
Ratios **80:1 to 150:1**
Speed **<0.1 to 88 rpm**

The Printed Motor Works *GPG9* series offers a selection of gear reduction ratios for the *GP9* motors. These gear motors offer high torque in a compact axial package and use spur gears to reduce speed and efficiently increase the torque of the 9cm pancake motors. Each unit comes with gearbox and motor fully assembled.



GPG9 Series

Motor	Gear Ratio (value : 1)	150	80
<i>GPG9F</i>	Continuous (Nm)	17	9
	Current (Amp)	6.9	6.9
	Speed (RPM) @ 24v	34	64
	Speed (RPM) @ 12v	27	50
<i>GPG9N</i>	Continuous (Nm)	39	21
	Current (Amp)	6.9	6.9
	Speed (RPM) @ 36v	31	58
	Speed (RPM) @ 24v	23	44
<i>GPG9FLR</i>	Continuous (Nm)	13	7
	Current (Amp)	11.7	11.7
	Speed (RPM) @ 24v	47	88
	Speed (RPM) @ 12v	30	56
<i>GPG9NLR</i>	Continuous (Nm)	32	17
	Current (Amp)	11.4	11.4
	Speed (RPM) @ 24v	27	50
	Speed (RPM) @ 12v	19	36

Specific benefits

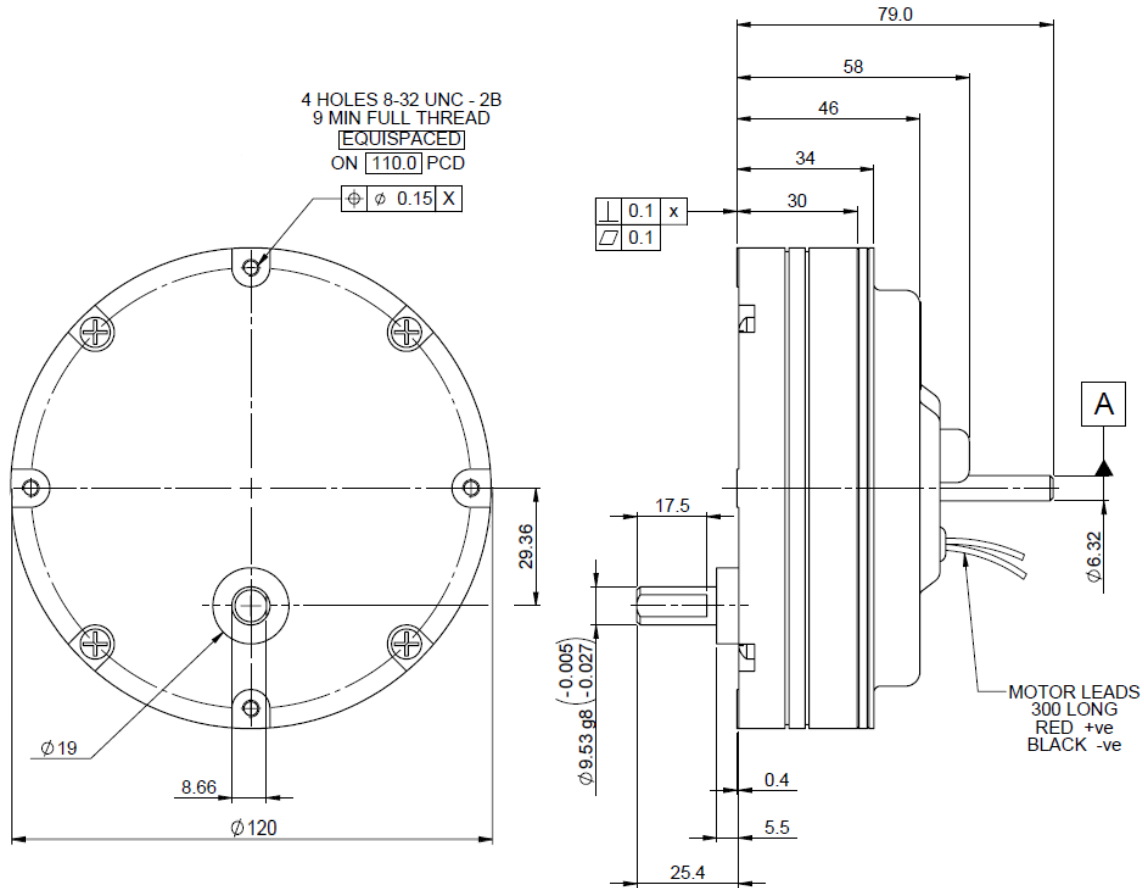
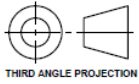
- High peak torque output
- Zero cogging
- Low inertia
- Rapid acceleration
- Stable up to high temperatures
- High instantaneous torque
- Long brush life
- Controllable with servo amplifiers
- Design options include custom shaft, encoders and pulleys

sales@printedmotorworks.com
+44 1420 594 140
Printed Motor Works Limited
Newman Lane, Alton
Hampshire GU34 2QW, UK

 Printed Motor Works



GPG9 Series



All dimensions in mm

Applications:

Biomedical analysis, inspection systems, X-Y tables, wheel drive, automatic door actuators, general automation, advertising screens, weld wire feed, seat elevation adjustment, turret drive.

Markets:

Industrial automation, medical, life sciences, aerospace & defence, printing, logistics, instrumentation, test and measurement, oil & gas and offshore marine.

Design Modifications

- Encoders
- Timing pulleys
- Tri-rated cable
- Customised shafts
- EMC suppression
- Connectors

Standard Encoder Option:

Motor	Counts per Rev. CPR	Channels	Type	Supply Voltage V
GPG9F	500	A + B + Index	Optical	+ 5
GPG9N	500	A + B + Index	Optical	+ 5
GPG9FLR	500	A + B + Index	Optical	+ 5
GPG9NLR	500	A + B + Index	Optical	+ 5

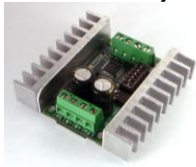
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GPG9 Series

Suggested Drives:

PWM24/10 *Basic motor speed control*
PWM24/25



6-30Vdc for basic Speed control applications. 10Amp and 25Amp with single and twin axis control.

JUNUS *General speed control applications*



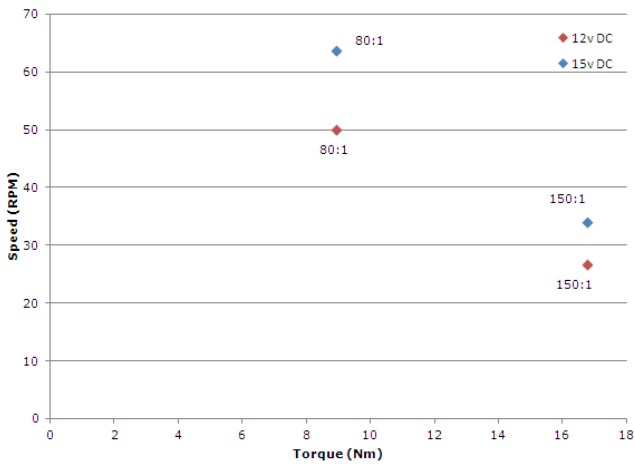
20-180Vdc for Velocity and Torque control with 6 digital I/O. 5Amp - 30Amp variants, RS232 communication.

ACCELNET *General servo applications*

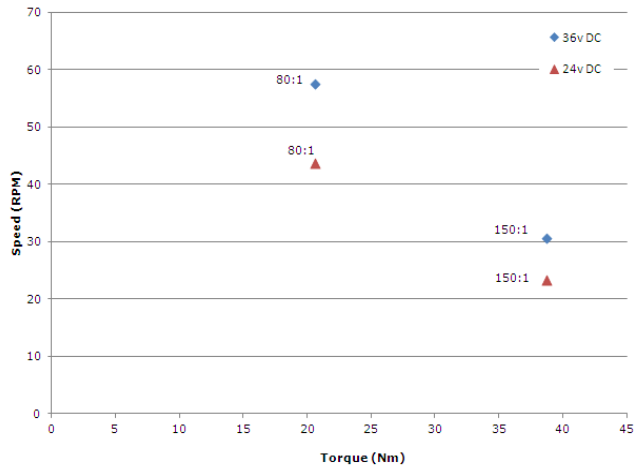


20-180Vdc for Velocity, Torque and Position control with 11 digital I/O and Encoder feedback. 5Amp - 36Amp variants, RS232 & macro communication.

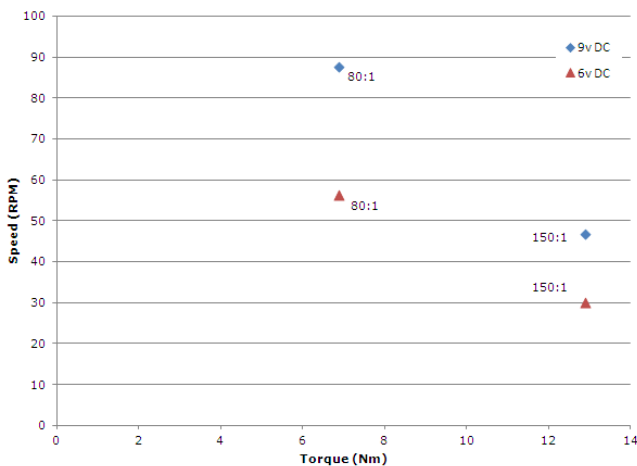
GPG9F



GPG9N



GPG9FLR



GPG9NLR

