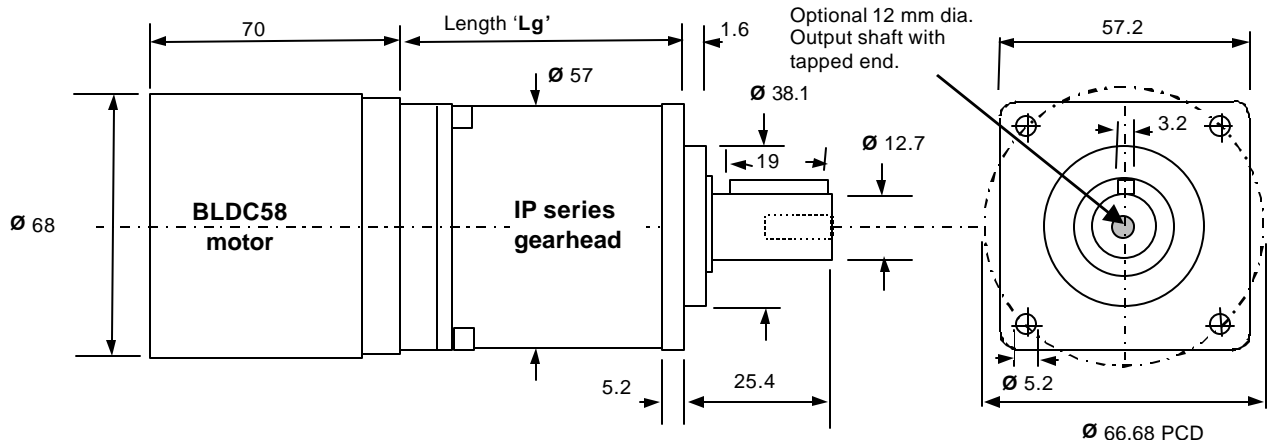


# High torque planetary geared brushless motors

IP / BLDC58

For long life, low speed applications requiring increased output torque the BLDC58 brushless motor may be specified with the high strength planetary gearhead type IP57. This unit, which utilises precision cut metal gear stages throughout provides high performance and compact dimensions compatible with the NEMA23 standards. The unit is provided with a choice of output shafts including an option with a tapped end to simplify the mounting of pulleys etc.

## Geared brushless motor dimensions: mm.



## Typical performance

Using Brushless motor BLDC58-35L BLDC58-50L

Gearhead Type	Ratio	Max. Output Speed rpm	Output Torque Nm		Output Torque Nm	Gearhead Length 'Lg' mm
IP57-M1	5:1	600	0.3		0.6	54.00
	10:1	300	0.7		1.3	67.75
IP57-M2	25:1	120	1.9		3.2	66.00
	50:1	60	3.8		6.3	79.75
	100:1	30	7.6		11.0	79.75
IP57-M3	250:1	12	17.0		25.0	92.75
	500:1	6	25.0			92.75
	1000:1	3	25.0			92.75

Maximum recommended radial load @gearhead output: 500 N @ middle of shaft  
 Maximum recommended axial load @ gearhead output: 350 N