

Low cost planetary geared servo motor IP57-BLS series

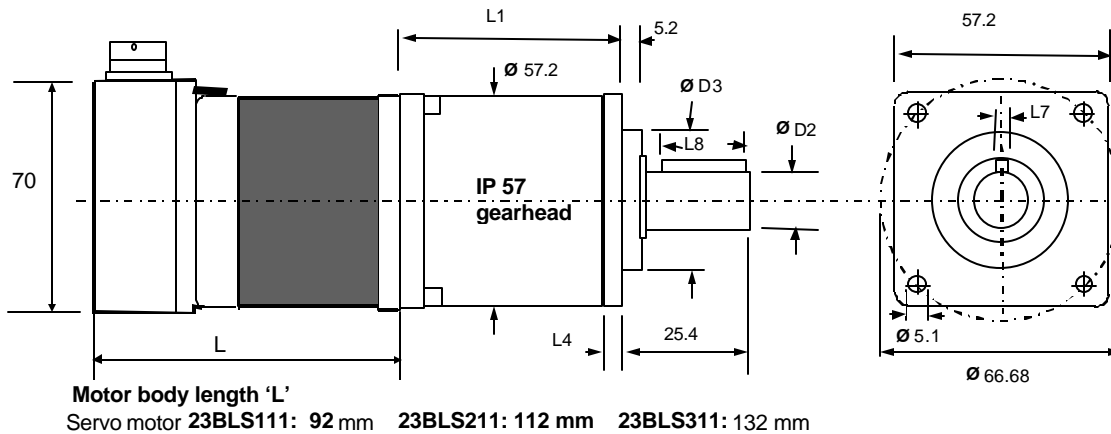
The IP-BLS series are low cost brushless dc servo motors equipped with a robust planetary gearhead.



Features

- NEMA23 compatible frame size
- Choice of stock ratios providing speed options from 800-30 rpm
- Choice of power ratings from 30-90 watts shaft power
- Controlled backlash, typically 30 arc minutes
- High peak torque ratings provide excellent performance in compact dimensions
- Economic pricing & rapid delivery

Dimensions



Gearhead Dimensions: mm

Gearhead model		IP57		
		MO1	MO2	MO3
Gearhead Length	L1			
Ratios 3:1		55		
4:1		68		
5:1			67	
10:1			80.5	
25:1				
50:1				
100:1				
250:1				93.5
500:1				
1000:1				
Output Register length	L3	1.6		
Output shaft Key width	L7	3.2		
Output shaft key length	L8	19		
Diametric dimensions				
Output shaft diameter	D2	12.67 / 12.69		
Output register diameter	D3	38.05 / 38.1		

Performance of geared servo motors

Gearbox Model	Gear Ratio n:1	Motor Model	Rated Speed (rpm)	Rated Torque (Nm)	Peak Torque (Nm)	Max Radial Load (12 mm from mounting face) (Nm)	Max Axial Load (Nm)	Typical Backlash (arc. min.)		
IP57-M01	5	23BLS-311	800	1.2	4.1	560	490	≤ 20		
	10	23BLS-211	300	1.5	5.5					
	10	23BLS-311	300	2.2	8.2					
IP57-M02	25	23BLS-211	120	4	12					
		23BLS-311	120	6	18					
IP57-M02	50	23BLS-211	60	7	25			560	490	≤ 30
		23BLS-311	60	11	25					
	100	23BLS-211	30	15	40					
IP57-M03	250	23BLS-111	12	19	40					560

Other combinations of gear ratio and motor are available on request.
 For reduced backlash specify LP or SP series gearheads.