

■ Gearhead Motor Specification

□ 42mm Frame

Introduction

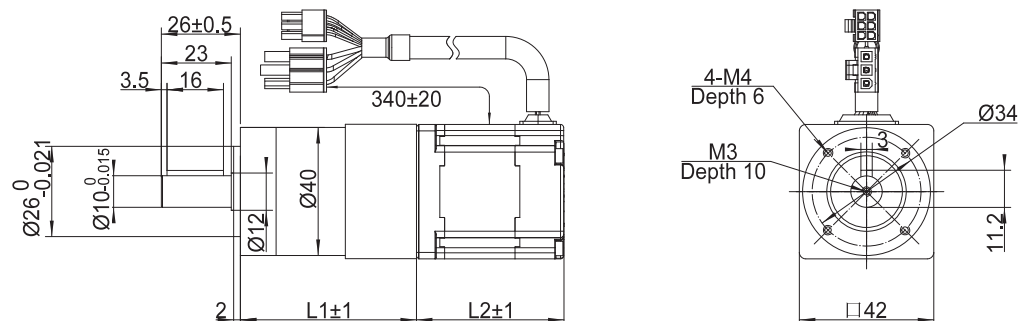
M2 AC Servo System

Type		AM42BL30L2 -PG10A	AM42BL30L2 -PG20A	AM42BL30L2 -PG32A	AM42BL30L2 -PG60A	AM42BL60L2 -PG10A	AM42BL60L2 -PG20A
Voltage	VDC	24					
Rated Power	W	30				60	
Ratio		10	20	32	60	10	20
Max. output Torque	N·m	0.72	1.44	2.304	4.32	1.44	2.88
Peak output torque	N·m	1.44	2.88	4.608	8.64	2.88	5.76
Max. load torque	N·m	8	40	40	40	8	40
Stage		1	2	2	3	1	2
Backlash	arcmin	≤12	≤15	≤15	≤25	≤12	≤15
Efficiency		96%	94%	94%	90%	96%	94%
Rated output speed	r/min	400	200	125	66	400	200
Max. output speed	r/min	500	250	156	83	500	250
Motor rotor inertia	Kg·m ²	0.039x10 ⁻⁴				0.072x10 ⁻⁴	
Gearhead Inertia	Kg·m ²	0.015x10 ⁻⁴	0.019x10 ⁻⁴	0.021x10 ⁻⁴	0.029x10 ⁻⁴	0.015x10 ⁻⁴	0.019x10 ⁻⁴
L1	mm	62.5	75.5	75.5	88	62.5	75.5
L2	mm	46	46	46	46	70	70
Matching Drive		BLD05 Series					

M2 DC Servo System

Type		AM42BL60L2 -PG32A	AM42BL60L2 -PG60A	AM42BL90L2 -PG10A	AM42BL90L2 -PG20A	AM42BL90L2 -PG32A	AM42BL90L2 -PG60A
Voltage	VDC	24					
Rated Power	W	60		90			
Ratio		32	60	10	20	32	60
Max. output Torque	N·m	4.608	8.64	2.15	4.3	6.88	12.9
Peak output torque	N·m	9.216	17.28	4.3	8.6	13.76	25.8
Max. load torque	N·m	40	40	8	40	40	40
Stage		2	3	1	2	2	3
Backlash	arcmin	≤15	≤25	≤12	≤15	≤15	≤25
Efficiency		94%	90%	96%	94%	94%	90%
Rated output speed	r/min	125	66	400	200	125	66
Max. output speed	r/min	156	83	500	250	156	83
Motor rotor inertia	Kg·m ²	0.072x10 ⁻⁴		0.114x10 ⁻⁴			
Gearhead Inertia	Kg·m ²	0.021x10 ⁻⁴	0.029x10 ⁻⁴	0.015x10 ⁻⁴	0.019x10 ⁻⁴	0.021x10 ⁻⁴	0.029x10 ⁻⁴
L1	mm	75.5	88	62.5	75.5	75.5	88
L2	mm	70	70	100	100	100	100
Matching Drive		BLD05 Series					

■ Dimensions (Unit: mm)



BLD Brushless DC Motor & Drives