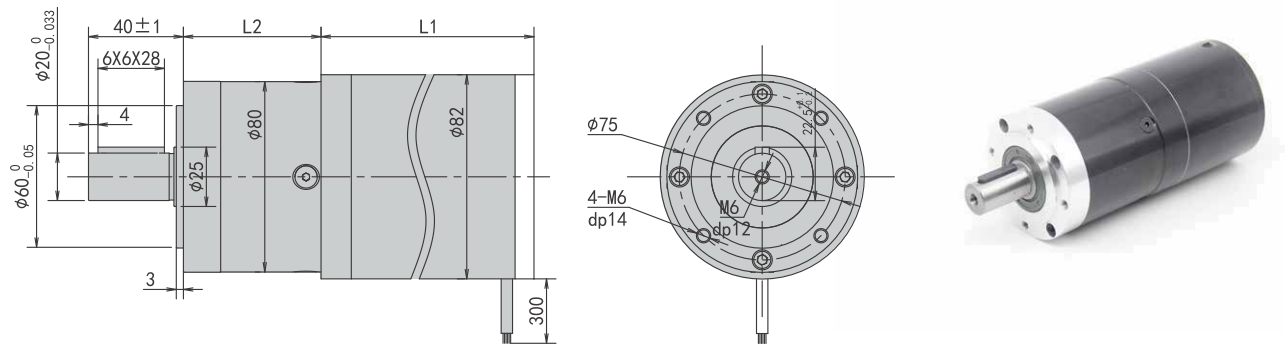


PBLR82GES Series

Planetary Gearbox BLDC Motor



Motor Specifications

Motor Model	Unit	PBLR82GES481830	PBLR82GES482530
Number of Phase		3	
Number of Poles		8	
Rated Voltage	VDC	48	
Rated Speed	Rpm	3000	
Rated Torque	N.m	0.6	0.8
Rated Power	W	188	250
Rated Current	A	5.0	7.0
Peak Current	A	15.0	21.0
Peak Torque	N.m	1.8	2.4
Rotor Inertia	kg.cm²	0.6	0.7
Torque Constant	N.m/A	0.12	0.11
Torque Constant	V/krpm	11	10.5
Line-Line Resistance	Ω	0.9	0.7
Line-Line Inductance	mH	0.7	0.5
Length L1	mm	80	90
Weight	kg	1.5	1.7

Gearbox Electrical Specifications

Reduction stage	Unit	1	2
Transmission efficiency	%	95	90
Max radial load	N	1000	1000
Max axial load	N	500	500
Rated admissible torque	N.m	50	80
Reduction Ratio		5,10	15,20,25,30,40,50
Length L2	mm	58	77