

BLDC Motor Planetary Gearbox Type PL82Z-BL82.137

PowerTronic



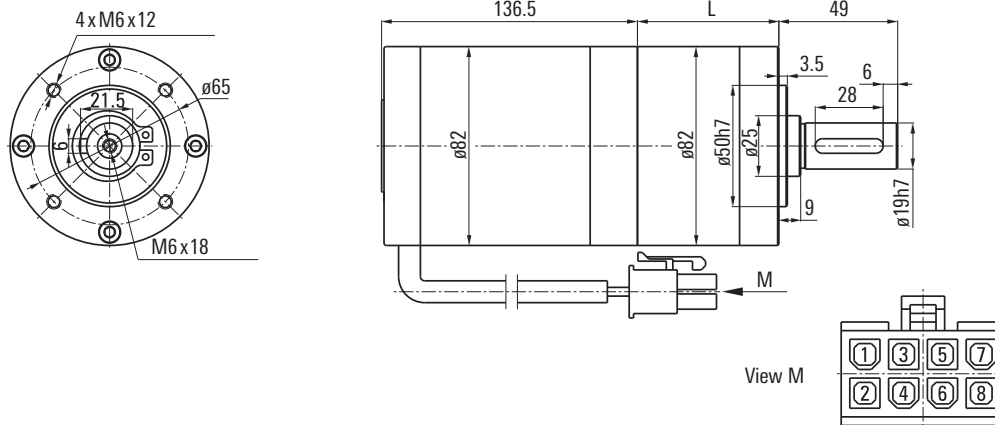
- High Torque
- Low Noise
- Long Life

Gearmotor

Gear Ratio	3.65	5.36	6.55	8.63	14	19	25	28	34	45	58	67	81	91	103	119	128	146	165	192	232	302	393
Rated Speed (min ⁻¹)	822	560	458	348	222	159	122	107	89	67	52	45	37	33	29	25	24	21	18	16	13	9.9	7.6
Rated Torque (Ncm)	314	461	563	742	1083	1470	1934	2166	2630	3481	4487	4671	5647	6344	7181	8296	8924	10178	11503	12000	12000	12000	12000
Reduction Stage	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3

Above ratings refer to motor model 24300-30S

Rel. Humidity: 20 to 85% | Ambient Temp.: -10 to +80 °C | Net Weight max. 4.8 kg



No. of Stages	Gear Ratio	Length (mm)
1	3.65 - 8.63	58.3
2	14 - 58	80.5
3	67 - 393	103.2

1	2	3	4	5	6	7	8
U	V	W	GND	Hv	Hw	Hu	+Vcc

Motor

Model	Rated Voltage V	Rated Power W	Rated Current A	Rated Speed min ⁻¹	Rated Torque Ncm	Duty Cycle
24200-30S	24	200	12.0	3000	63.7	S1
24300-30S	24	300	18.0	3000	95.5	S2-30 min.

Gearbox

Helical Gearing

No. of Stages	1	2	3
Max. Rated Torque (Ncm)	2000	6000	12000
Max. Peak Torque (Ncm)	4000	12000	24000

Ball Bearing Radial Load (FR): 1000 N | Axial Load (FA): 200 N