

DC Motor Planetary Gearbox Type PL82Z-DC80.152

PowerTronic



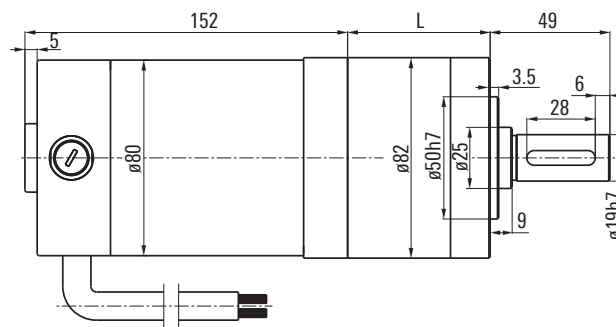
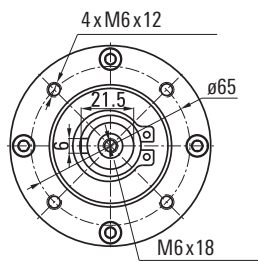
- High Torque
- Low Noise
- Long Life

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)	125	184	225	297	433	588	774	866	1052	1392	1795	1868	2259	2538	2872	3318	3569	4071	4601	5354	6470	8400	8400
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 24120-30S

Rel. Humidity: 20 to 85% | Ambient Temp.: -10 to +80 °C | Net Weight max. 6.6 kg



No. of Stages	Gear Ratio	Length (mm)
1	3.65 - 8.63	63.7
2	14 - 58	80.5
3	67 - 393	103.2

Options

Encoder
Rear Shaft
Connector
Special Shaft
Special Voltage

Motor

Model	Rated Voltage V	Rated Power W	No Load Current A	No Load Speed min ⁻¹	Rated Current A	Rated Speed min ⁻¹	Rated Torque Ncm
1290-30S	12	90	2.5	3500	10.5	3000	28.7
24120-30S	24	120	2.0	3400	7.2	3000	38.2
48180-30S	48	180	1.5	3400	5.5	3000	57.3

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