



- Red : 12 / 24V DC +
- Black : 12 / 24V DC -
- Green : Sensor GND
- Blue : Sensor power +
- Yellow : signal A
- White : signal B



DONGGUAN E-S MOTOR CO.,LTD

Precision Works, Professional Transmission

Tel : 86.135.3263.9595 | E-Mail : sales@e-smotor.com | www.e-smotor.com

Model	No-load		Rated			At Stall	
	Speed rpm	Current A	Speed rpm	Current A	Torque g.cm	Torque g.cm	Current A
2230 DC motor 12V	9000	0.09	7812	0.33	51.3	330	2.5
2230 DC motor 24V	9000	0.05	7350	0.25	43.2	270	1.1

22PG-2230-EN gear motor specification, 12V DC

Gear ratio	3.5	4.75	12	16	24	49	107	144	204	304	510
Gearbox Length L (mm)	14	14	17.5	17.5	17.5	21	21	21	24.5	24.5	24.5
No-load speed (RPM)	2500	1900	750	560	380	185	85	60	45	30	18
Rated torque (Kgf.cm)	0.14	0.2	0.5	0.7	1	2	4.3	6	8.3	12.5	16
Rated speed (RPM)	2200	1600	660	500	330	160	75	55	39	26	15
Stall torque (Kgf.cm)	1	1.3	3.3	4.4	6.6	8.5	18.5	25	-	-	-

22PG-2230-EN gear motor specification, 24V DC

Gear ratio	3.5	4.75	12	16	24	49	107	144	204	304	510
Gearbox Length L (mm)	14	14	17.5	17.5	17.5	21	21	21	24.5	24.5	24.5
No-load speed (RPM)	2500	1900	750	560	380	185	85	60	45	30	18
Rated torque (Kgf.cm)	0.12	0.16	0.4	0.6	0.8	1.6	3.7	5	7	11	16
Rated speed (RPM)	2200	1600	660	500	330	160	75	55	39	26	15
Stall torque (Kgf.cm)	0.8	1	2.5	3.4	5.2	10	18.5	23	-	-	-