



电机参数 Motor specifications		27A	24A	82A	75A
1 额定电压 (Nominal voltage)	V	3.5	5.0	12.0	24.0
2 空载转速 (No load speed)	rpm	10400	10000	8670	13200
3 空载电流 (No load current)	mA	45	30	15	15
4 额定转速 (Nominal speed)	rpm	7826	7525	6524	9933
5 额定转矩 (Nominal torque)	mNm	2.32	3.11	2.86	4.54
6 额定电流 (Nominal current)	A	0.76	0.67	0.23	0.27
7 堵转转矩 (Stall torque)	mNm	9.2	12.6	11.6	18.3
8 堵转电流 (Stall current)	A	2.92	2.63	0.87	1.06
9 相间电阻 (Terminal resistance)	Ω	1.2	1.9	13.73	22.72
10 转矩常数 (Torque constant)	mNm/A	3.15	4.68	12.95	17
11 速度常数 (Speed constant)	rpm/V	2971	2000	722	550
12 机械时间常数 (Mechanical time constant)	ms	6.6	4.7	4.4	4.2
13 转子惯量 (Rotor inertia)	gcm ²	0.593	0.588	0.589	0.586

可配减速箱 Optional gearbox

G13MF	见Page 92
G13XL	见Page 93

可配编码器 Optional encoder

其他参数 Other specifications

工作温度范围 (Operating temperature range)	-20...+80°C	轴承类型 (Bearing type)	含油轴承 (Sleeve bearings)
极对数 (Number of pole pairs)	1	电刷类型 (Brush type)	贵金属刷 (Precious metal brushes)
换向器片数 (Number of commutator segments)	5	电机重量 (Weight of motor)	21.43g