



电机参数 Motor specifications		04A	03A	01A	05A
1 额定电压 (Nominal voltage)	V	3.0	6.0	7.0	12.0
2 空载转速 (No load speed)	rpm	13000	20000	18000	25000
3 空载电流 (No load current)	mA	25	60	25	75
4 额定转速 (Nominal speed)	rpm	9782	13545	13545	18812
5 额定转矩 (Nominal torque)	mNm	1.6	2.53	2.53	3.66
6 额定电流 (Nominal current)	A	0.75	0.7	0.7	0.85
7 堵转转矩 (Stall torque)	mNm	6.0	9.8	9.8	14.5
8 堵转电流 (Stall current)	A	2.94	2.76	2.76	3.23
9 相间电阻 (Terminal resistance)	Ω	1.02	1.72	2.54	3.71
10 转矩常数 (Torque constant)	mNm/A	2.16	2.8	3.64	4.49
11 速度常数 (Speed constant)	rpm/V	4333	3333	2571	2083
12 机械时间常数 (Mechanical time constant)	ms	6.2	6.5	5.9	5.6
13 转子惯量 (Rotor inertia)	gcm ²	0.31	0.325	0.333	0.33

可配减速箱 Optional gearbox

G12MF	见Page 90
G12XL	见Page 91

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)	12.88g