



电机参数 Motor specifications		02A	18A	03A	04A
1 额定电压 (Nominal voltage)	V	12.0	18.0	24.0	48.0
2 空载转速 (No load speed)	rpm	4900	9800	7300	7500
3 空载电流 (No load current)	mA	190	330	120	70
4 额定转速 (Nominal speed)	rpm	3675	7350	5475	5625
5 额定转矩 (Nominal torque)	mNm	259.8	526	418.6	402.9
6 额定电流 (Nominal current)	A	11.25	30.25	13.42	6.65
7 堵转转矩 (Stall torque)	mNm	1039	2104	1674	1612
8 堵转电流 (Stall current)	A	44.44	120	53.33	26.37
9 相间电阻 (Terminal resistance)	Ω	0.27	0.15	0.45	1.82
10 转矩常数 (Torque constant)	mNm/A	22.92	17.2	30.77	60
11 速度常数 (Speed constant)	rpm/V	408	544	304	156.25
12 机械时间常数 (Mechanical time constant)	ms	6.5	6.4	6.0	6.4
13 转子惯量 (Rotor inertia)	gcm ²	137.64	138.24	137.92	138.59

可配减速箱 Optional gearbox

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)	滚珠轴承 (Ball bearings)
极对数 (Number of pole pairs)	1	电刷类型 (Brush type)	碳刷 (Graphite brushes)
换向器片数 (Number of commutator segments)	13	电机重量 (Weight of motor)	409.48g