



## 电机参数 Motor specifications

07A

08A

09A

05A

1 额定电压 (Nominal voltage)	V	3.0	6.0	7.4	12.0
2 空载转速 (No load speed)	rpm	10000	14950	12010	10000
3 空载电流 (No load current)	mA	40	55	30	10
4 额定转速 (Nominal speed)	rpm	7525	12450	9000	6725
5 额定转矩 (Nominal torque)	mNm	1.92	1.91	1.95	1.84
6 额定电流 (Nominal current)	A	0.7	0.55	0.37	0.17
7 堵转转矩 (Stall torque)	mNm	7.6	11.2	7.8	5.1
8 堵转电流 (Stall current)	A	2.70	2.94	1.33	0.49
9 相间电阻 (Terminal resistance)	Ω	1.11	2.04	5.58	24.5
10 转矩常数 (Torque constant)	mNm/A	2.8	3.74	5.77	11.23
11 速度常数 (Speed constant)	rpm/V	3333	2500	1621	833
12 机械时间常数 (Mechanical time constant)	ms	8.3	8.4	10.1	11.7
13 转子惯量 (Rotor inertia)	gcm <sup>2</sup>	0.644	0.637	0.659	0.655

## 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)	17.1g