



电机参数 Motor specifications

97A

27A

45A

04A

1 额定电压 (Nominal voltage)	V	5.8	8.0	9.0	12.0
2 空载转速 (No load speed)	rpm	9200	8000	9810	10000
3 空载电流 (No load current)	mA	30	25	20	15
4 额定转速 (Nominal speed)	rpm	7360	6000	7357	7500
5 额定转矩 (Nominal torque)	mNm	3.88	2.85	5.54	5.06
6 额定电流 (Nominal current)	A	0.67	0.32	0.64	0.45
7 堵转转矩 (Stall torque)	mNm	19.4	11.1	22.0	20.1
8 堵转电流 (Stall current)	A	3.22	1.19	2.53	1.76
9 相间电阻 (Terminal resistance)	Ω	1.8	6.7	3.56	6.8
10 转矩常数 (Torque constant)	mNm/A	5.9	9.36	8.58	11.23
11 速度常数 (Speed constant)	rpm/V	1586	1000	1090	833
12 机械时间常数 (Mechanical time constant)	ms	5.7	7.0	5.9	5.5
13 转子惯量 (Rotor inertia)	gcm ²	1.21	1	1.34	1.12

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)	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)	25.09g