



电机参数 Motor specifications		43A	42A	13A	03A
1 额定电压 (Nominal voltage)	V	6.0	8.0	12.0	24.0
2 空载转速 (No load speed)	rpm	7850	9500	10800	10000
3 空载电流 (No load current)	mA	55	50	45	25
4 额定转速 (Nominal speed)	rpm	5946	7196	11175	7500
5 额定转矩 (Nominal torque)	mNm	6.99	7.61	8.03	8.54
6 额定电流 (Nominal current)	A	1	0.98	0.79	0.39
7 堵转转矩 (Stall torque)	mNm	28.7	31.4	40.1	34.2
8 堵转电流 (Stall current)	A	3.95	3.9	3.79	1.49
9 相间电阻 (Terminal resistance)	Ω	1.52	2.05	3.17	16.1
10 转矩常数 (Torque constant)	mNm/A	7.15	7.88	10.4	22.46
11 速度常数 (Speed constant)	rpm/V	1308	1187	900	416
12 机械时间常数 (Mechanical time constant)	ms	9.6	10.9	9.3	10.6
13 转子惯量 (Rotor inertia)	gcm <sup>2</sup>	3.51	3.61	3.46	3.63

可配减速箱 Optional gearbox

G22MF	见Page 95
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可配编码器 Optional encoder

EM22	增量式(Incremental) 1-1024ppr 1-3通道(channel)	见Page 103
EM22	绝对式(Absolute) 14 bit single turn	见Page 104

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)	45g