



电机参数 Motor specifications		10A	20A	22A	29A
1 额定电压 (Nominal voltage)	V	4.5	12.0	24.0	29.0
2 空载转速 (No load speed)	rpm	5100	5200	7000	4600
3 空载电流 (No load current)	mA	145	50	35	20
4 额定转速 (Nominal speed)	rpm	3825	3900	5250	3450
5 额定转矩 (Nominal torque)	mNm	59.25	39.35	51.03	33.94
6 额定电流 (Nominal current)	A	7.14	1.82	1.58	0.58
7 堵转转矩 (Stall torque)	mNm	237	157	204	135
8 堵转电流 (Stall current)	A	28.13	7.14	6.23	2.26
9 相间电阻 (Terminal resistance)	Ω	0.16	1.68	3.85	12.86
10 转矩常数 (Torque constant)	mNm/A	8.25	21.6	32.1	59
11 速度常数 (Speed constant)	rpm/V	1133	433	291	158
12 机械时间常数 (Mechanical time constant)	ms	3.7	5.5	5.9	5.9
13 转子惯量 (Rotor inertia)	gcm ²	17.04	16.76	17.2	17.35

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)	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)	11	电机重量 (Weight of motor)	104.2g