



电机参数 Motor specifications		50A	12A	25A	42A
1 额定电压 (Nominal voltage)	V	12.0	15.0	24.0	30.0
2 空载转速 (No load speed)	rpm	4600	7700	7570	7800
3 空载电流 (No load current)	mA	180	190	210	120
4 额定转速 (Nominal speed)	rpm	3450	5775	5677	5850
5 额定转矩 (Nominal torque)	mNm	177.95	258.4	313.2	327.95
6 额定电流 (Nominal current)	A	7.28	14.03	10.5	9.02
7 堵转转矩 (Stall torque)	mNm	711.8	1033	1252	1298
8 堵转电流 (Stall current)	A	28.57	55.56	41.38	35.71
9 相间电阻 (Terminal resistance)	Ω	0.42	0.27	0.58	0.84
10 转矩常数 (Torque constant)	mNm/A	24.4	18.2	29.7	36
11 速度常数 (Speed constant)	rpm/V	383	513	315	260
12 机械时间常数 (Mechanical time constant)	ms	5.5	6.4	5.2	5.1
13 转子惯量 (Rotor inertia)	gcm <sup>2</sup>	84.87	85.36	85.9	86.2

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)	318.92g