

1630N5M \varnothing 16mm*30mm, 贵金属电刷 Precious Metal Brushes

应用领域: 医疗、保健、汽车、机器人、工业自动化等精密驱动领域。

Applications: precision drives in medical equipment and devices, healthcare products, automotive, robotics, and industrial automation.

39-65-5.0 29-78-7.4 36-87-12.0

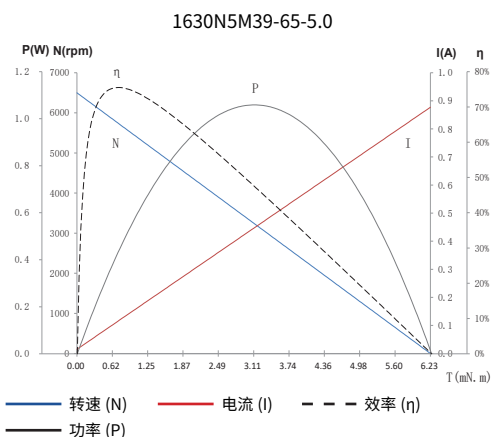
电机参数 / Motor Data

电机参数 / Motor Data			39-65-5.0	29-78-7.4	36-87-12.0
1 电压	Voltage	V	5.0	7.4	12.0
2 端电阻	Terminal resistance	Ω	5.7	5.9	9.4
3 空载转速	No-load speed	rpm	6500	7800	8700
4 空载电流	No-load current	mA	15	15	7
5 堵转转矩	Stall torque	mNm	6.2	11.1	16.7
6 堵转电流	Stall current	mA	880	1250	1280
7 额定转矩	Nominal torque	mNm	1	2.5	4.0
8 额定转速	Nominal speed	rpm	5460	6040	6610
9 额定电流	Nominal current	mA	150	290	310
10 最大输出功率	Max. output power	W	1.1	2.3	3.8
11 最大效率	Max. efficiency	%	76	79	86
12 反电势常数	Back-EMF constant	mV/rpm	0.8	0.9	1.4
13 转矩常数	Torque constant	mNm/A	7.2	9.0	13.1
14 转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	1000	700	500
15 转子惯量	Rotor inertia	gcm ²	0.6	0.6	0.6
16 重量	Weight	g	26	26	26

热参数 / Thermal Data

17 热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W	26.8
18 热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W	3.8
19 热时常数 (电机)	Thermal time constant motor	s	242
20 热时常数 (线圈)	Thermal time constant winding	s	232
21 工作温度范围	Operating temperature range	$^{\circ}$ C	-20~+85
22 绕组耐温等级	Thermal class of winding	$^{\circ}$ C	130

特性曲线 / Characteristics Curve



仅供参考, 详细了解请以产品规格书为准。
For reference only, please refer to the product specification.

机械参数 / Mechanical Data

23 轴向间隙	Axial play	mm	0.02-0.15
24 径向间隙	Radial play	mm	0.014
25 动态轴向载荷	Axial load dynamic	N	0.8
26 静态轴向载荷	Axial load static	N	30
27 径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N	1.4

其它参数 / Other Specifications

28 极对数	No. of pole pairs	1
29 含油轴承	Sleeve bearings	2
30 换向结构	Number of commutator segments	5
31 防护等级	Protection class	IP30

可选配置 / Options

齿轮箱: 行星齿轮

Gearbox: planetary gearbox

性能 Special coils: 连续运行范围内可定制 customizable in continuous operation range

法兰 Flange: 标准前后法兰 standard front and rear flanges / 定制法兰 custom flanges

轴 Shaft: 长度 length / 异形 shape

轴承类型 Bearing type: 含油轴承 sleeve bearings/ 滚珠轴承 ball bearings

电气连接 Electrical connection: 端子或导线 connector or wire / 导线长度 lead wires length

齿轮组主要技术指标详见第 131 页

the main technical parameters are detailed on page 131

外观图 / Outline Drawing

