

1625N9M $\varnothing 16\text{mm} \times 25.2\text{mm}$, 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.

				01-115-3.0	02-92-6.0	03-115-12.0			
电机参数 / Motor Data									
1	电压	Voltage	V	3.0	6.0	12.0			
2	端电阻	Terminal resistance	Ω	1.1	4.4	13.4			
3	空载转速	No-load speed	rpm	11500	9200	11500			
4	空载电流	No-load current	mA	50	20	12			
5	堵转转矩	Stall torque	mNm	6.6	8.2	8.7			
6	堵转电流	Stall current	mA	2730	1360	900			
7	额定转矩	Nominal torque	mNm	1	1.5	1.5			
8	额定转速	Nominal speed	rpm	9750	7520	9520			
9	额定电流	Nominal current	mA	460	260	160			
10	最大输出功率	Max. output power	W	2	2	2.6			
11	最大效率	Max. efficiency	%	75	77	78			
12	反电势常数	Back-EMF constant	mV/rpm	0.3	0.6	1			
13	转矩常数	Torque constant	mNm/A	2.4	6.1	9.8			
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	1800	1100	1300			
15	转子惯量	Rotor inertia	gcm ²	0.78	0.78	0.78			
16	重量	Weight	g	22	22	22			
热参数 / Thermal Data				特性曲线 / Characteristics Curve					
17	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W	24.8	1625N9M01-115-3.0 — 转速 (N) — 电流 (I) - - - 效率 (η) —— 功率 (P)				
18	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W	30.3					
19	热时间常数 (电机)	Thermal time constant motor	s	201					
20	热时间常数 (线圈)	Thermal time constant winding	s	175					
21	工作温度范围	Operating temperature range	°C	-20~+85					
22	绕组耐温等级	Thermal class of winding	°C	130					
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		9					
31	防护等级	Protection class		IP30					

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.

可选配置 / Options	
齿轮箱 : 行星齿轮	齿轮组主要技术指标详见第 131 页
Gearbox: planetary gearbox	the main technical parameters are detailed on page 131

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

外观图 / Outline Drawing

