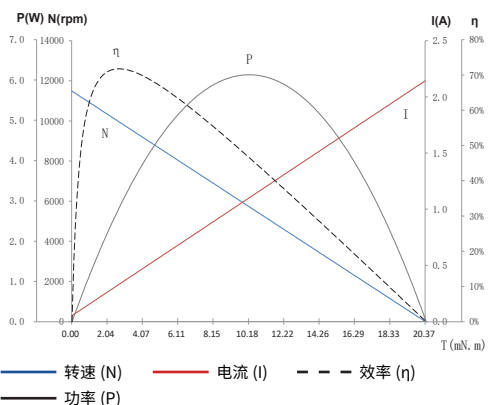


1630N5C $\varnothing$ 16mm*30mm, 碳刷 Graphite Brushes

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。

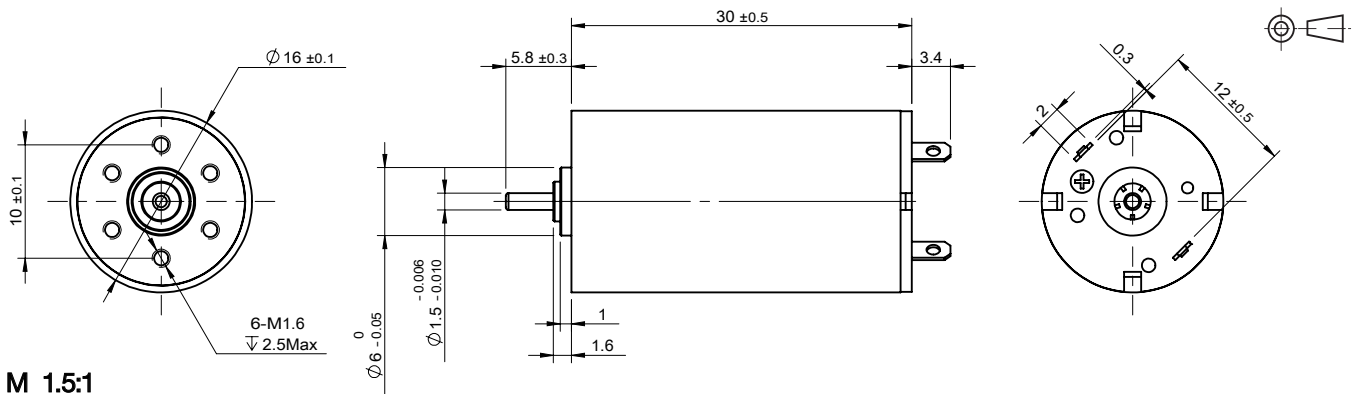
Applications: precision drives in medical equipment and devices, healthcare products, automotive, robotics, and industrial automation.

				09-115-12.0	07-140-24.0	11-86-24.0				
电机参数 / Motor Data										
1	电压	Voltage	V	12.0	24.0	24.0				
2	端电阻	Terminal resistance	Ω	5.6	14	38.3				
3	空载转速	No-load speed	rpm	11500	14000	8600				
4	空载电流	No-load current	mA	50	30	20				
5	堵转转矩	Stall torque	mNm	20.3	27	15.7				
6	堵转电流	Stall current	mA	2140	1710	630				
7	额定转矩	Nominal torque	mNm	4	5	4				
8	额定转速	Nominal speed	rpm	9240	11410	6410				
9	额定电流	Nominal current	mA	460	340	180				
10	最大输出功率	Max. output power	W	6.1	9.9	3.5				
11	最大效率	Max. efficiency	%	72	75	68				
12	反电势常数	Back-EMF constant	mV/rpm	1	1.7	2.7				
13	转矩常数	Torque constant	mNm/A	9.7	16.1	25.8				
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	600	500	500				
15	转子惯量	Rotor inertia	gcm ²	0.95	0.95	0.95				
16	重量	Weight	g	25	25	25				
热参数 / Thermal Data										
17	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W	26.8	特性曲线 / Characteristics Curve 1630N5C09-115-12.0 					
18	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W	30.6						
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	°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		5						
31	防护等级	Protection class		IP30						
可选配置 / Options										
齿轮箱：行星齿轮										
Gearbox: planetary gearbox										

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



规格如有变更，恕不另行通知。Specification subject to change without notice.

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