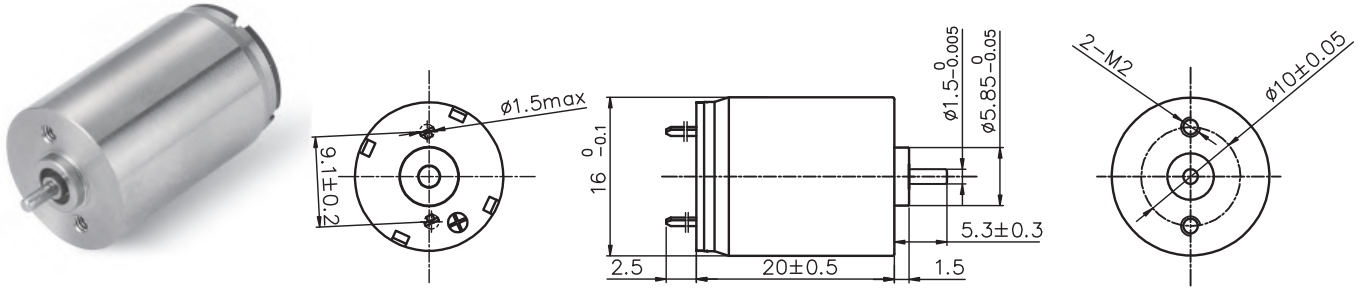


1620R 空心杯有刷电机

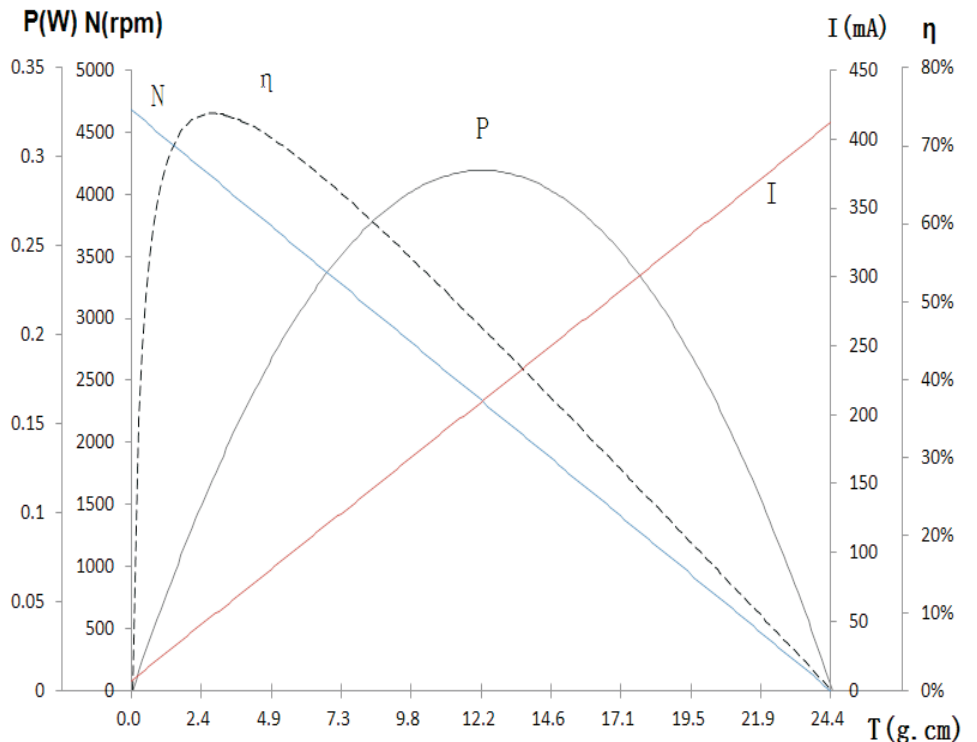


典型应用 Typical Applications: 舵机、智能小机器人

电机参数 (Motor data)		19A	31A	11A	34A	06A	01A
额定电压下数值 (Values at nominal voltage)							
1 额定电压 (Nominal voltage)	v	3	4	4.5	8	12	24
2 空载转速 (No load speed)	rpm	4680	7430	10800	10000	12500	12200
3 空载电流 (No load current)	mA	10	20	35	15	23	10
4 额定转速 (Nominal speed)	rpm	3720	6612	9774	9150	10750	10065
5 额定转矩 (最大连续转矩) (Nominal torque)	mNm	0.50	0.50	0.50	0.50	1.00	1.50
6 额定电流 (最大连续电流) (Nominal current)	A	0.09	0.11	0.15	0.08	0.13	0.08
7 堵转转矩 (Stall torque)	mNm	2.40	4.50	5.30	6.00	7.09	8.50
8 堵转电流 (Stall current)	A	0.40	0.89	1.36	0.80	0.79	0.46
9 最大效率 (Max efficiency)	%	74	75	75	74	72	75
电机常数 (Motor constant)							
10 相间电阻 (Terminal resistance)	Ω	7.50	4.50	3.30	10	15.2	52
11 转矩常数 (Torque constant)	mNm/A	6.00	5.04	3.90	7.49	8.99	18.42
12 速度常数 (Speed constant)	rpm / V	1560	1857	2400	1250	1042	508

其它特性参数 Other characteristic parameters 19A电机曲线图

- 13 环境温度范围 (Ambient temperature) -10 - 40°C
- 14 绕组最高允许温度 (Max permissible winding temperature) 80°C
- 15 最高允许转速 (Max permissible speed) 20000rpm
- 16 电极磁极对数 (Number of the pole pairs) 1
- 17 换向器片数 (Number of the commutator segments) 5
- 18 电机质量 (Weight) 24.35g



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