

B2440NH2B | 内转子无槽带传感器 Inner Rotor, Slotless, Sensored

应用领域：医疗器械、工业设备等精密驱动领域。
Applications: precision drives in medical equipment, industrial automation fields.

主要技术指标 | Characteristics

			01-170-24.0	02-170-18.0	03-120-24.0
1 电压	Voltage	V	24.0	18.0	24
2 端电阻	Terminal resistance	Ω	2.5	1.875	3.54
3 空载转速	No-load speed	rpm	17000	17000	12000
4 空载电流	No-load current	A	0.15	0.15	0.14
5 堵转转矩	Stall torque	mNm	125.4	94.1	124.2
6 堵转电流	Stall current	A	9.6	9.6	6.8
7 额定转矩	Nominal torque	mNm	18.2	13.7	18.2
8 额定转速	Nominal speed	rpm	14500	14500	10200
9 额定电流	Nominal current	A	1.52	1.14	1.07
10 最大输出功率	Max. output power	W	56	41.9	39
11 最大效率	Max. efficiency	%	76	43.5	49.7
12 反电势常数	Back-EMF constant	mV/rpm	1.4	1.0	2.0
13 转矩常数	Torque constant	mNm/A	13.3	10.0	18.7
14 KV 值	KV Value	rpm/V	708.3	944.4	500.0
15 转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	135.6	180.7	96.6
16 转子惯量	Rotor inertia	gcm ²	2	2	2
17 重量	Weight	g	80	80	80
18 热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		9	
19 热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		3.5	
20 热时常数 (电机)	Thermal time constant motor	s		620	
21 热时常数 (线圈)	Thermal time constant winding	s		4	
22 工作温度范围	Operating temperature range	°C		-40~+120	
23 绕组耐温等级	Thermal class of winding	°C		155	
24 轴向间隙	Axial play	mm		0.012	
25 径向间隙	Radial play	mm		0.008	
26 动态轴向载荷	Axial load dynamic	N		5	
27 静态轴向载荷	Axial load static	N		80	
28 径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N		29	
29 极对数	No. of pole pairs			1	
30 轴承	Bearings			2 枚滚动轴承/2 ball bearings	
31 换向结构	Commutation			霍尔传感器/Hall Sensor	
32 防护等级	Protection class			IP 30	

★可选参数 Options: 导线长度 Lead wires length 轴长 Shaft length 性能 Special coils 齿轮箱 Gearheads 轴承类型 Bearing type 霍尔传感器 Hall sensor
编码器 Encoder 驱动器 Driver

外观图 | Outline Drawing

