

## BO2914NBH2B | 外转子带传感器 Outer Rotor, 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

			01-63-24.0	02-63-18.0	03-63-12.0	
1	电压	Voltage	V	24.0	18.0	12.0
2	端电阻	Terminal resistance	$\Omega$	9.7	5.6	2.5
3	空载转速	No-load speed	rpm	6300	6300	6300
4	空载电流	No-load current	A	0.1	0.12	0.15
5	堵转转矩	Stall torque	mNm	83	81	82
6	堵转电流	Stall current	A	2.5	3.2	4.8
7	额定转矩	Nominal torque	mNm	19.1	19.7	20.0
8	额定转速	Nominal speed	rpm	4000	4000	4000
9	额定电流	Nominal current	A	0.56	0.75	1.12
10	最大输出功率	Max. output power	W	13.7	13.4	13.5
11	最大效率	Max. efficiency	%	63.8	65	67.7
12	反电势常数	Back-EMF constant	mV/rpm	3.7	2.8	1.8
13	转矩常数	Torque constant	mNm/A	34.9	26.3	17.6
14	KV 值	KV Value	rpm/V	263	350	525
15	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	76	78	77
16	转子惯量	Rotor inertia	gcm <sup>2</sup>	21	21	21
17	重量	Weight	g	48	48	48
18	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		13.5	
19	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		4.5	
20	热时常数 (电机)	Thermal time constant motor	s		160	
21	热时常数 (线圈)	Thermal time constant winding	s		60	
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		0.02	
26	动态轴向载荷	Axial load dynamic	N		1.5	
27	静态轴向载荷	Axial load static	N		37	
28	径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N		12	
29	极对数	No. of pole pairs			6	
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 20	

★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

