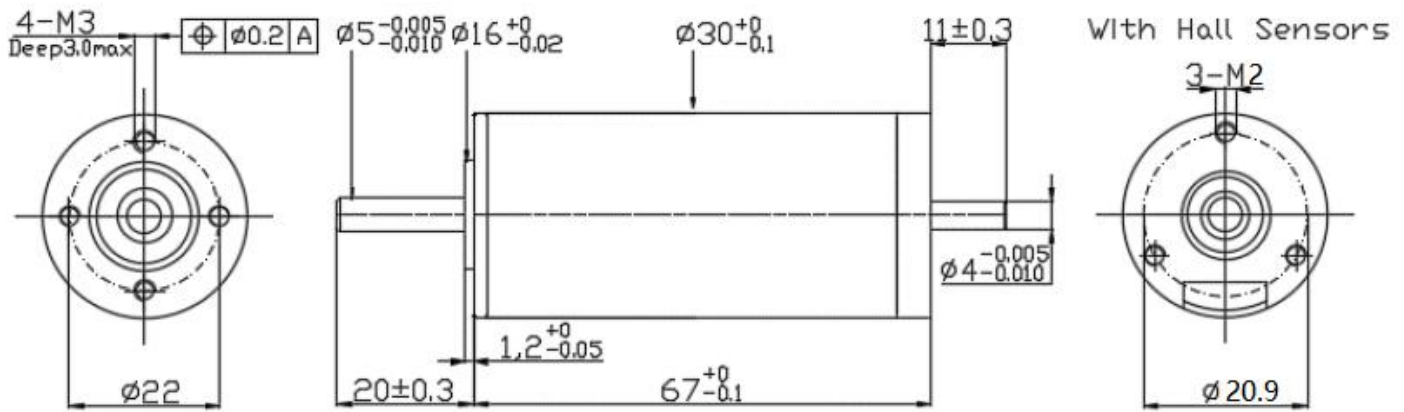




Notes: 1. Encoder's value not included

Please don't hesitate to contact us for the other customized options.



标准类型 Standard Type

电机参数 Motor Parameters (25℃)		订货号 Part No.		Without Hall	HEC-4P3067-001	LEC-4P3067-002
				With Hall	HEC-4P3067-011	LEC-4P3067-012
1	额定功率 Nominal Power	P	W		90	180
2	额定电压 Rated Voltage	U	V		24	48
3	空载转速 No load speed $\pm 10\%$	N_0	rpm		8630	16580
4	空载电流 No load current $\pm 50\%$	I_0	mA		383	493
5	额定转速 Nominal speed	n_N	rpm		7760	14930
6	额定转矩 Nominal torque	M_N	mNm		88	86
7	额定电流 Nominal current	I_N	A		4.08	4.16
8	堵转转矩 Stall torque	M_H	mNm		1417	3035
9	堵转电流 Stall current	I_H	A		60.68	129.7
10	速度常数 Speed constant	K_n	rpm/V		358	345
11	力矩常数 Torque constant	K_M	mNm/A		23.49	23.37
12	相间电阻 Terminal resistance $\pm 10\%$	R	Ω		0.45	0.42
13	相间电感 Terminal inductance	L	mH		0.0635	0.062
14	转子惯量 Rotor inertia	J	$\text{g} \cdot \text{cm}^2$		38.7	38.7
15	机械时间常数 Mechanical time constant	T_m	ms		2.7	2.6
16	重量 Weight ¹	m	g		298	298
17	长度 Length L1(Without Encoder)	L1	mm		67	67
18	长度 Length L1(With Encoder) ²	L1	mm			
19	环境温度 Ambient temperature	Ta	℃		-20℃ ~ +150℃	
20	最高绕组温度 Max. winding temperature	Tw	℃		200℃	
21	相数 Number of phases				3	
22	磁极对数 Number of pole pairs				2	

Notes: 1. Encoder's value not included

定制类型 Customized Type

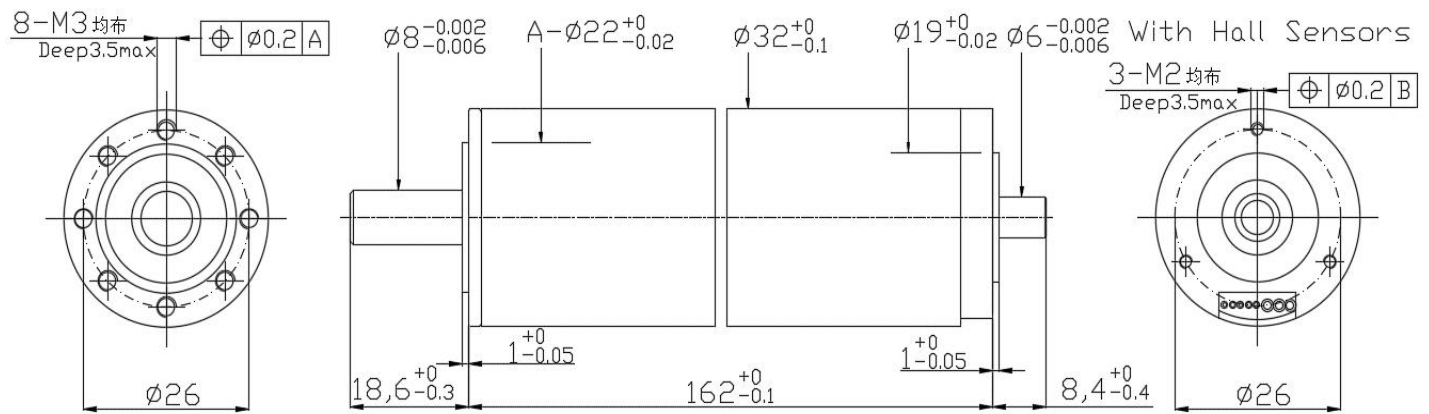
Customized Options	Optional Type			
机械设计 Mechanical design	☐ NEMA 15	☒ IP rating sealing	☐ Customer specified	☒ Shaft specified
反馈 Feedback device	☐ Encoder	☒ Resolver	☐ Tachometer	
电缆 Cable & connector	☒ Flying lead	☐ Vertical connector	☒ Cable specified	☒ Customer specified
减速机 Optional gearhead	☒ Planetary	☐ Harmonic gearhead	☐ Worm gear	☐ Low backlash
制动器 Optional brake	☐ 24 VDC brake			
特殊绕组 Specific winding	☒ 12-120 VDC voltage available			
其他 Others	☒ High speed	☒ Torque required	☒ Extended temperature available -40℃ ~ +175℃	

Please don't hesitate to contact us for the other customized options.

2020-12 版 / 技术参数如有变动, 恕不另行通告

HEC-4P32162 $\Phi 32\text{mm}$, Brushless 高温无刷 EC motor

LeadControl



标准类型 Standard Type

电机参数 Motor Parameters (25°C)		订货号 Part No.		Without Hall	HEC-4P32162-001	
				With Hall	HEC-4P32162-011	
1	额定功率 Nominal Power	P	W		240	
2	额定电压 Rated Voltage	U	V		48	
3	空载转速 No load speed $\pm 10\%$	N ₀	rpm		6900	
4	空载电流 No load current $\pm 50\%$	I ₀	mA		220	
5	额定转速 Nominal speed	n _N	rpm		5380	
6	额定转矩 Nominal torque	M _N	mNm		432	
7	额定电流 Nominal current	I _N	A		6.8	
8	堵转转矩 Stall torque	M _H	mNm		1963.6	
9	堵转电流 Stall current	I _H	A		30.0	
10	速度常数 Speed constant	K _n	rpm/V		143.5	
11	力矩常数 Torque constant	K _M	mNm/A		65.65	
12	相间电阻 Terminal resistance $\pm 10\%$	R	Ω		1.60	
13	相间电感 Terminal inductance	L	mH		0.12	
14	转子惯量 Rotor inertia	J	g·cm ²		140	
15	机械时间常数 Mechanical time constant	T _m	ms		4.8	
16	重量 Weight ¹	m	g		880	
17	长度 Length L1(Without Encoder)	L1	mm		162	
18	长度 Length L1(With Encoder) ²	L1	mm			
19	环境温度 Ambient temperature	T _a	°C		-20°C ~ +150°C	
20	最高绕组温度 Max. winding temperature	T _w	°C		180°C	
21	相数 Number of phases				3	
22	磁极对数 Number of pole pairs				2	

Notes: 1. Encoder's value not included

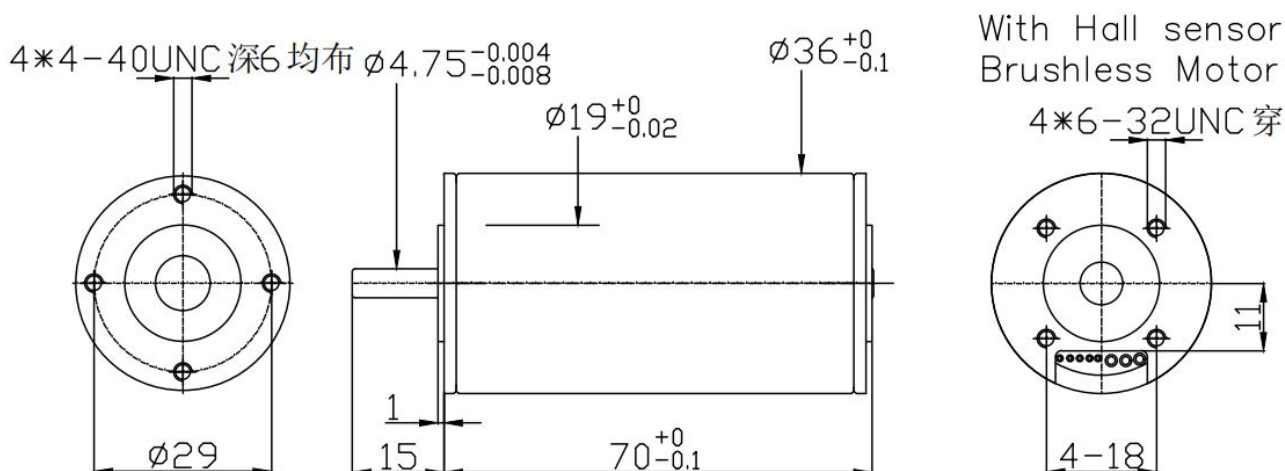
定制类型 Customized Type

Customized Options	Optional Type			
机械设计 Mechanical design	☐ NEMA 15	☒ IP rating sealing	☐ Customer specified	☒ Shaft specified
反馈 Feedback device	☐ Encoder	☒ Resolver	☐ Tachometer	
电缆 Cable & connector	☒ Flying lead	☐ Vertical connector	☒ Cable specified	☒ Customer specified
减速箱 Optional gearhead	☒ Planetary	☐ Harmonic gearhead	☐ Worm gear	☐ Low backlash
制动器 Optional brake	☐ 24 VDC brake			
特殊绕组 Specific winding	☒ 12-120 VDC voltage available			
其他 Others	☒ High speed	☒ Torque required	☒ Extended temperature available -40°C ~ +175°C	

Please don't hesitate to contact us for the other customized options.

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Page3



标准类型 Standard Type

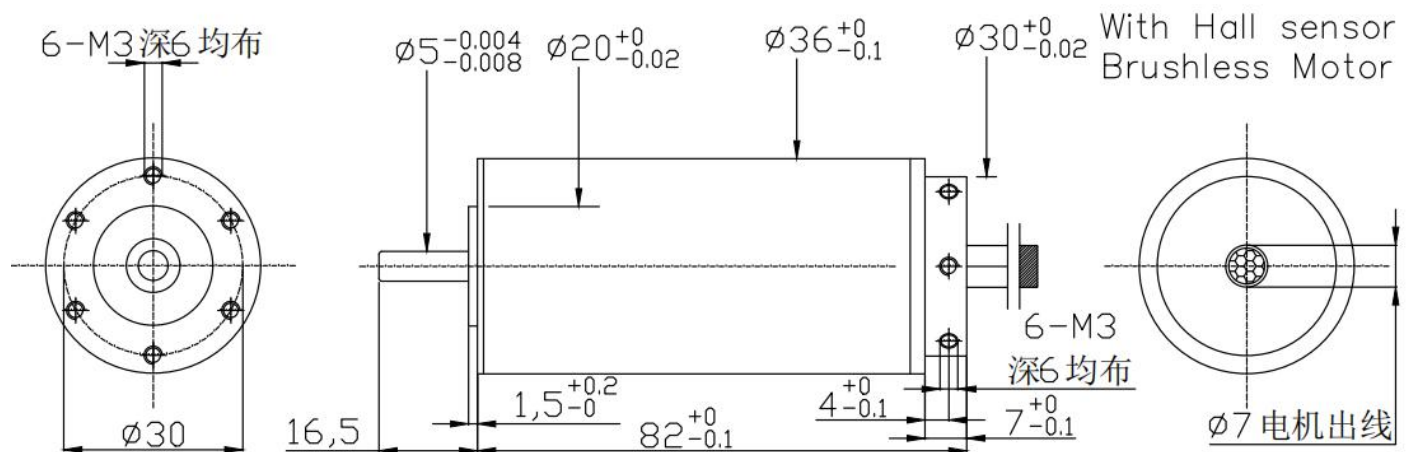
电机参数 Motor Parameters (25℃)		Without Hall		HEC-4P3670-001	HEC-4P3670-002	HEC-4P3670-003
订货号 Part No.		With Hall		HEC-4P3670-011	HEC-4P3670-012	HEC-4P3670-013
1	额定功率 Nominal Power	P	W	50		
2	额定电压 Rated Voltage	U	V	28	36	48
3	空载转速 No load speed $\pm 10\%$	N ₀	rpm	4170		
4	空载电流 No load current $\pm 50\%$	I ₀	mA	140		
5	额定转速 Nominal speed	n _N	rpm	3600		
6	额定转矩 Nominal torque	M _N	mNm	140		
7	额定电流 Nominal current	I _N	A	2.4		
8	堵转转矩 Stall torque	M _H	mNm	1186.6		
9	堵转电流 Stall current	I _H	A	18.8		
10	速度常数 Speed constant	K _n	rpm/V	148.9		
11	力矩常数 Torque constant	K _M	mNm/A	63.6		
12	相间电阻 Terminal resistance $\pm 10\%$	R	Ω	1.46		
13	相间电感 Terminal inductance	L	mH	0.06		
14	转子惯量 Rotor inertia	J	g·cm ²	20.7		
15	机械时间常数 Mechanical time constant	τ_m	ms	1.4		
16	重量 Weight ¹	m	g			
17	长度 Length L1(Without Encoder)	L1	mm		70	
18	长度 Length L1(With Encoder) ²	L1	mm			
19	环境温度 Ambient temperature	T _a	℃		-20℃ ~ +150℃	
20	最高绕组温度 Max. winding temperature	T _w	℃		180℃	
21	相数 Number of phases				3	
22	磁极对数 Number of pole pairs				2	

Notes: 1. Encoder's value not included

定制类型 Customized Type

Customized Options	Optional Type			
机械设计 Mechanical design	☐ NEMA 15	☒ IP rating sealing	☒ Customer specified	☒ Shaft specified
反馈 Feedback device	☐ Encoder	☒ Resolver	☐ Tachometer	
电缆 Cable & connector	☒ Flying lead	☒ Vertical connector	☒ Cable specified	☒ Customer specified
减速箱 Optional gearhead	☒ Planetary	☐ Harmonic gearhead	☐ Worm gear	☐ Low backlash
制动器 Optional brake	☐ 24 VDC brake			
特殊绕组 Specific winding	☒ 12-120 VDC voltage available			
其他 Others	☒ High speed	☒ Torque required	☒ Extended temperature available -40℃ ~ +175℃	

Please don't hesitate to contact us for the other customized options.



标准类型 Standard Type

电机参数 Motor Parameters (25℃)		Without Hall		HEC-4P3682-001	HEC-4P3682-002
订货号 Part No.		With Hall		HEC-4P3682-011	HEC-4P3682-012
1	额定功率 Nominal Power	P	W	70	30
2	额定电压 Rated Voltage	U	V	36	36
3	空载转速 No load speed $\pm 10\%$	n_0	rpm	5800	4730
4	空载电流 No load current $\pm 50\%$	I_0	mA	135	135
5	额定转速 Nominal speed	n_N	rpm	4872	4330
6	额定转矩 Nominal torque	M_N	mNm	140	70.0
7	额定电流 Nominal current	I_N	A	2.5	1.13
8	堵转转矩 Stall torque	M_H	mNm	874.9	1547.0
9	堵转电流 Stall current	I_H	A	15.0	21.43
10	速度常数 Speed constant	K_n	rpm/V	161.1	130.56
11	力矩常数 Torque constant	K_M	mNm/A	58.8	71.85
12	相间电阻 Terminal resistance $\pm 10\%$	R	Ω	1.30	1.68
13	相间电感 Terminal inductance	L	mH	0.12	0.12
14	转子惯量 Rotor inertia	J	$\text{g}\cdot\text{cm}^2$	74.45	74.45
15	机械时间常数 Mechanical time constant	τ_m	ms	2.37	2.37
16	重量 Weight ¹	m	g	510	510
17	长度 Length L1(Without Encoder)	L1	mm	82	82
18	长度 Length L1(With Encoder) ²	L1	mm		
19	环境温度 Ambient temperature	Ta	℃	-20℃ ~ +150℃	
20	最高绕组温度 Max. winding temperature	Tw	℃	180℃	
21	相数 Number of phases			3	
22	磁极对数 Number of pole pairs			2	

Notes: 1. Encoder's value not included

定制类型 Customized Type

Customized Options	Optional Type			
机械设计 Mechanical design	☐ NEMA 15	☒ IP rating sealing	☒ Customer specified	☒ Shaft specified
反馈 Feedback device	☐ Encoder	☒ Resolver	☐ Tachometer	
电缆 Cable & connector	☒ Flying lead	☒ Vertical connector	☒ Cable specified	☒ Customer specified
减速箱 Optional gearhead	☒ Planetary	☐ Harmonic gearhead	☐ Worm gear	☐ Low backlash
制动器 Optional brake	☐ 24 VDC brake			
特殊绕组 Specific winding	☒ 12-120 VDC voltage available			
其他 Others	☒ High speed	☒ Torque required	☒ Extended temperature available -40℃ ~ +175℃	

Please don't hesitate to contact us for the other customized options.