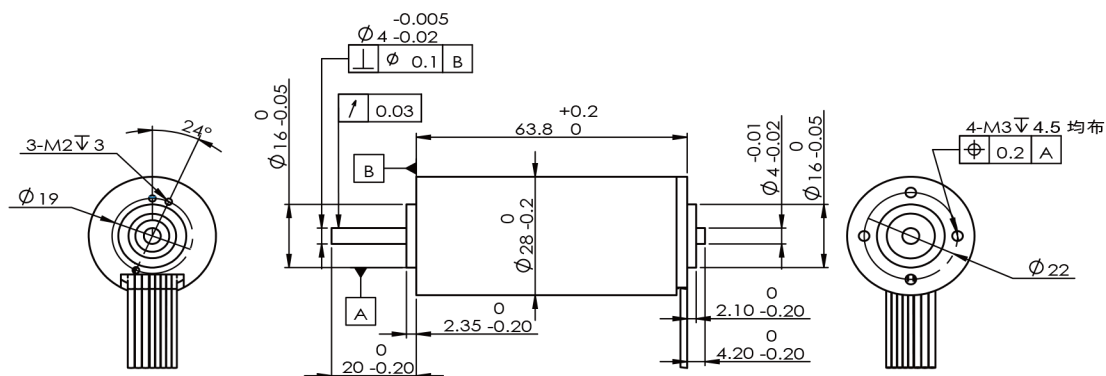




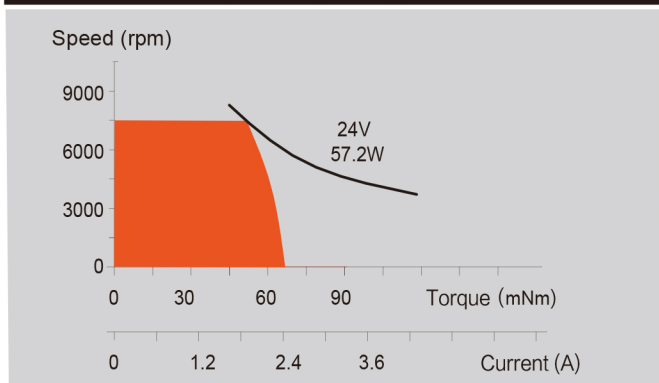
电机参数 Motor Data

电机型号	Motor model			BR286424B	BR286424B-03	BR286436B	BR286436B-03	BR286448B	BR286448B-03
1 额定电压	Nominal voltage	V	V	24	24	36	36	48	48
2 空载转速	No load speed	rpm	Wnl	8400	9250	9510	9900	8040	8400
3 空载电流	No load current	mA	InI	<400	<400	<300	<350	<200	<200
4 额定转速	Nominal speed	rpm	Wc	7500	8300	8600	9000	7300	7500
5 额定转矩	Nominal torque	mNm	Tc	72	72	70	70	71	70
6 额定电流	Nominal current	A	Ic	2.68	2.95	1.97	2.05	1.27	1.31
7 输出功率	Output power	W	Pc	57.2	62.5	63.1	66.2	54.4	55.1
8 堵转扭矩	Stall torque	mNm	Tmax	643.9	609.5	639.8	671.0	677.9	571.1
9 堵转电流	Stall current	A	Imax	24	25	18	19.7	12.1	10.67
10 最大效率	Max. efficiency	%	η_{max}	89	88	89	90	90	88
11 线间电阻	Terminal resistance	Ω	Rt	1	0.96	2	1.83	3.97	4.5
12 线圈电感	Terminal inductance	L	mH	0.26	0.38	0.72	0.91	1	1.3
13 力矩系数	Torque constant	mNm / A	Kt	26.83	24.38	35.55	34.11	56.07	53.54
14 速度常数	Speed constant	rpm / V	Kn	355.9	391.7	268.6	280.0	170.3	178.3
15 速度扭矩比	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	11.3	13.33	12.8	12.46	10.2	12.7

特性参数 Specifications

1 环境温度 ambient temperature	Ta	-20~+65 °C
2 最大允许线圈温度 max. winding temperature	Tcoilmax	+85 °C
3 最大允许速度 max. speed	Nmax	10461 rpm
4 轴向窜动 axial play	Δt	0.05-0.15 mm
5 极对数 number of pole pairs	2p	1
6 换向器片数 number of commutator segments		3
7 马达重量 weight of motor	Wt	302 g
8 最大轴向载荷 (动态) Max. axial load (dynamic)		5N
9 最大允许安装力 (静态) Max. force for press fits (static)		98N
10 最大径向载荷 (离法兰4mm处) Max. radial load, 4 mm from flange		25N

电机运行范围 Operating Range



接线定义 Terminal definitions

