

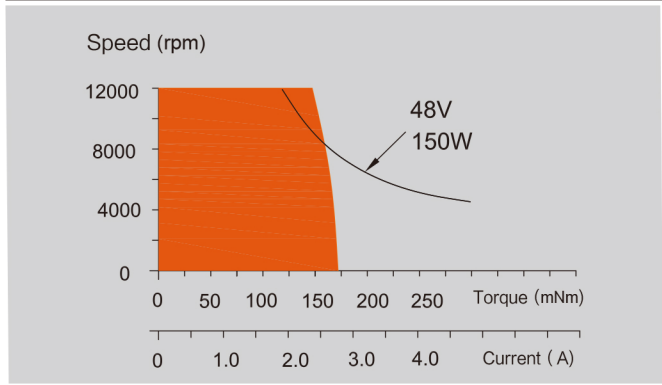
Motor Data

Motor model	SR408624GK		
1 Nominal voltage	V	V	24
2 No load speed	rpm	Wnl	7600
3 No load current	mA	InI	250
4 Nominal speed	rpm	Wc	6200
5 Nominal torque	mNm	Tc	180
6 Nominal current	A	Ic	6.06
7 Output power	W	Pc	117
8 Stall torque	mNm	Tmax	957.4
9 Stall current	A	Imax	32
10 Max. efficiency	%	ηmax	81
11 Terminal resistance	Ω	Rt	0.35
12 Torque constant	mNm / A	Kt	29.9
13 Speed constant	rpm / V	Kn	319.16
14 Speed torque gradient	rpm / mNm	Δn / ΔT	7.7
15 Terminal inductance	mH	L	0.18
16 Rotor inertia	gcm <sup>2</sup>	J	142.6

Specifications

1 ambient temperature	Ta	-30~+100 °C
2 Max.winding temperature	Tcoilmax	+155°C
3 Max.speed	Nmax	12000rpm
4 axial play	Δt	0.05~0.15mm
5 number of pole pairs	p	1
6 number of commutator segments		13
7 weight of motor	Wt	494 g
8 Max.axial load(dynamic)		5.6N
9 Max.force for press fits(static)		110N
10 Max.radial load,4mm from flange		28N

Operating Range



Terminal definitions

	1	Red	Motor +	Magnet Encoder 3 Channel 1000CPT
	2	Red	+5V	
	3		GND	
	4		Channel A-	
	5		Channel A+	
	6		Channel B-	
	7		Channel B+	
	8		Channel Z-	
		+	Motor -	
		-	Motor -	