

3068RCG

Graphite Brush

Applications: Precision driving field in medical, health care, automobile, industrial automation, etc.

Characteristics

			-1SP-24.0	-2SP-36.0
1	Voltage	V	24.0	36.0
2	Rotor resistance	Ω	0.7	1.5
3	No-load speed	rpm	8500	8600
4	No-load current	mA	150	130
5	Stall torque	mNm	977.4	954.2
6	Stall current	mA	36400	24000
7	Nominal torque	mNm	60.0	86.0
8	Nominal speed	rpm	7930	7820
9	Nominal current	mA	2460	2270
10	Max. output power	W	218	215
11	Max. efficiency	%	88	86
12	Back-EMF constant	mV/rpm	2.8	4.2
13	Torque constant	mNm/A	26.9	39.8
14	Speed/torque gradient	rpm/mNm	8.7	9.0
15	Rotor inertia	gcm ²	33	33
16	Weight	g	250	250
17	Thermal resistance housing-ambient	K/W	6.2	
18	Thermal resistance winding-housing	K/W	3.8	
19	Thermal time constant motor	s	225	
20	Thermal time constant winding	s	7.8	
21	Operating temperature range	°C	-20~+100	
22	Max. winding temperature	°C	120	
23	Axial play	mm	0.02~0.15	
24	Radial play	mm	0.025	
25	Axial load dynamic	N	5.6	
26	Axial load static	N	110	
27	Radial load at 3 mm from mounting face	N	30	
28	No. of pole pairs		1	
29	Bearings		2 ball bearings	
30	Commutator		metal 9 segments	
31	Protection class		IP 20	

Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads
- Encoder

Outline Drawing

