

1640RCG

Graphite Brush

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

Characteristics

			-3-24.0	
1	Voltage	V	24.0	
2	Rotor resistance	Ω	10.7	
3	No-load speed	rpm	13700	
4	No-load current	mA	60	
5	Stall torque	mNm	35.8	
6	Stall current	mA	2200	
7	Nominal torque	mNm	6.5	
8	Nominal speed	rpm	11230	
9	Nominal current	mA	450	
10	Max. output power	W	12.9	
11	Max. efficiency	%	72	
12	Back-EMF constant	mV/rpm	1.7	
13	Torque constant	mNm/A	16.3	
14	Speed/torque gradient	rpm/mNm	380	
15	Rotor inertia	gcm ²	1.00	
16	Weight	g	37	
17	Thermal resistance housing-ambient	K/W	27.5	
18	Thermal resistance winding-housing	K/W	15.1	
19	Thermal time constant motor	s	205	
20	Thermal time constant winding	s	11	
21	Operating temperature range	°C	-20~+85	
22	Max. winding temperature	°C	85	
23	Axial play	mm	0.02~0.15	
24	Radial play	mm	0.012	
25	Axial load dynamic	N	0.8	
26	Axial load static	N	30	
27	Radial load at 3 mm from mounting face	N	1.5	
28	No. of pole pairs		1	
29	Bearings		2 sleeve bearings	
30	Commutator		metal 5 segments	
31	Protection class		IP 30	

Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads
- Bearing type

Outline Drawing

