

## 8724ZWW

### Outer Rotor Without Sensor

Applications: UAV, E-bike, industrial automation, etc.

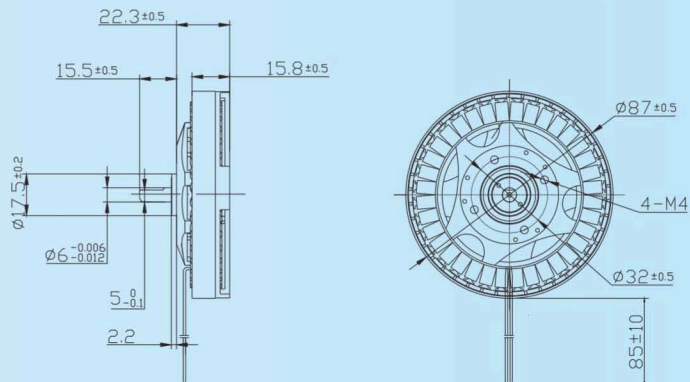
#### Characteristics

			-1-36.0	
1	Voltage	V	36	
2	Terminal resistance	$\Omega$	0.17	
3	No-load speed	rpm	3600	
4	No-load current	A	0.2	
5	Nominal torque	mNm	1210	
6	Nominal speed	rpm	3400	
7	Nominal current	A	13	
8	Max. output power	W	1900	
9	Max. efficiency	%	94	
10	Back-EMF constant	mV/rpm	10	
11	Torque constant	mNm/A	95	
12	KV Value	rpm/V	100	
13	Speed/torque gradient	rpm/mNm	0.18	
14	Rotor inertia	gcm <sup>2</sup>	510	
15	Weight	g	270	
16	Thermal resistance housing-ambient	K/W	1.3	
17	Thermal resistance winding-housing	K/W	2.5	
18	Thermal time constant motor	s	340	
19	Thermal time constant winding	s	50	
20	Operating temperature range	°C	-40~+100	
21	Max. winding temperature	°C	155	
22	Axial play	mm	0.012	
23	Radial play	mm	0.008	
24	Axial load dynamic	N	10	
25	Axial load static	N	140	
26	Radial load at 3 mm from mounting face	N	145	
27	No. of pole pairs		21	
28	Bearings		2 ball bearings	
29	Commutation		Sensorless	
30	Protection class		IP 20	

#### Options

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

#### Outline Drawing



UNIT:mm