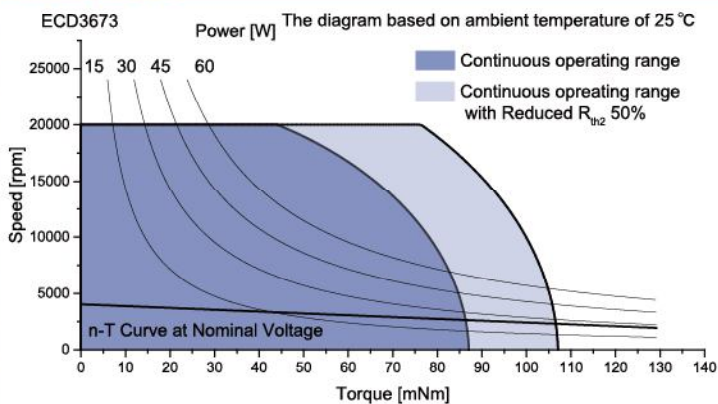


With hall sensor ECD3673S-...		1204	2404
Motor data			
Values at nominal voltage			
1	Nominal voltage	V	12 24
2	No load speed	rpm	4070 4042
3	No load current	mA	148 84
4	Nominal speed	rpm	3229 3223
5	Nominal torque	mNm	50 50
6	Nominal current	A	1.95 0.98
7	Stall torque	mNm	242 247
8	Stall current	A	8.89 4.52
9	Max. efficiency	%	75.9 74.6
10	Supply voltage +Vcc	V	10..28 10..28
11	Direction of rotation	CW	CW
12	Torque constant	mNm/A	27.7 55.7
13	Speed constant	rpm/V	345 172
14	Speed/torque gradient	rpm/mNm	16.8 16.4
15	Mechanical time constant	ms	3.4 3.3
16	Rotor inertia	gcm ²	19.5 19.5

17	Thermal resistance housing-ambient	4.9 K/W
18	Thermal resistance winding-housing	1.6 K/W
19	Thermal time constant winding	45 s
20	Thermal time constant motor	630 s
21	Ambient temperature	-30...+100°C
22	Max. permissible winding temperature	+150°C
23	Max. permissible speed	20000 rpm
24	Axial play at axial load <8 N	0 mm
	>8 N	max. 0.3 mm
25	Radial play	preloaded
26	Max. axial load (dynamic)	7.5 N
27	Max. force for press fits (static)	100 N
	(static, shaft supported)	2700 N
28	Max. radial loading, 5mm from flange	25 N
29	Number of pole pairs	1
30	Number of phases	3
31	Weight of motor	317 g

Operating Range



Controller features	
Sensor	Open loop, I _{max} < 4A
Overload protection	Stall protection
Max. temperature of electronics	+105°C

Connection

Connection		PTFE
Pin 1	+VCC	AWG20 red
Pin 2	GND	AWG20 black

Caution:
 Incorrect lead connection will damage the controller!

Configuration

Function: On&Off/Direction/Speed control/Brake
 Speed closed&open-loop Control/Speed feedback
 Performance: Customized in the continuous operating range
 Ball bearing: Preload
 Flange: Standard frange front&back/customize the frange
 Shaft: Length/Diameter/Cut face
 Leadwire: PVC/Silicon/Teflon/UL No/Dimension/length
 Connector: JST/MOLEX/TE

More :
 Please contact our sales engineers