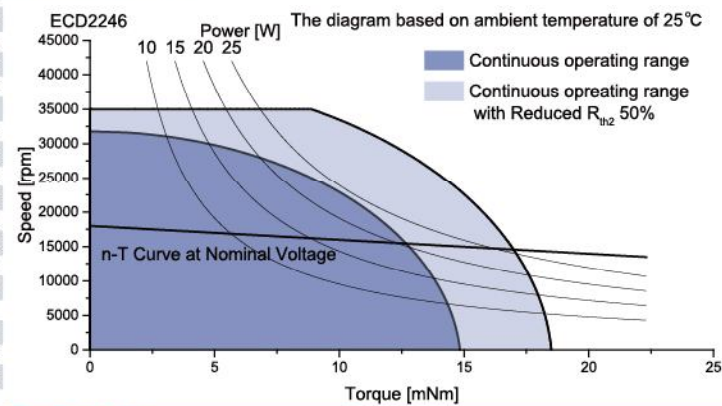


With hall sensor ECD2246S-...		1212	2416
Motor data			
Values at nominal voltage			
1	Nominal voltage	V	12 24
2	No load speed	rpm	11570 15627
3	No load current	mA	170 140
4	Nominal speed	rpm	10085 12771
5	Nominal torque	mNm	8 12
6	Nominal current	A	1.01 1.01
7	Stall torque	mNm	60.4 82.8
8	Stall current	A	6.7 6.28
9	Max. efficiency	%	70.5 71.8
10	Supply voltage +Vcc	V	10..28 10..28
11	Direction of rotation		CW CW
12	Torque constant	mNm/A	9.2 13.4
13	Speed constant	rpm/V	1038 712
14	Speed/torque gradient	rpm/mNm	202 203
15	Mechanical time constant	ms	4.8 4.8
16	Rotor inertia	gcm ²	2.3 2.3

17	Thermal resistance housing-ambient	12.7 K/W
18	Thermal resistance winding-housing	5.0 K/W
19	Thermal time constant winding	12 s
20	Thermal time constant motor	420 s
21	Ambient temperature	-30...+100°C
22	Max. permissible winding temperature	+150°C
23	Max. permissible speed	35000 rpm
24	Axial play at axial load <4 N	0 mm
	>4 N	max. 0.3 mm
25	Radial play	preloaded
26	Max. axial load (dynamic)	3.5 N
27	Max. force for press fits (static)	44 N
	(static, shaft supported)	1200 N
28	Max. radial loading, 5mm from flange	15 N
29	Number of pole pairs	1
30	Number of phases	3
31	Weight of motor	79 g

Operating Range



Controller features	
Sensor	Open loop, $I_{max} < 1.5A$
Overload protection	Stall protection
Max. temperature of electronics	+105°C

Connection

Connection	
Pin 1	+VCC
Pin 2	GND

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