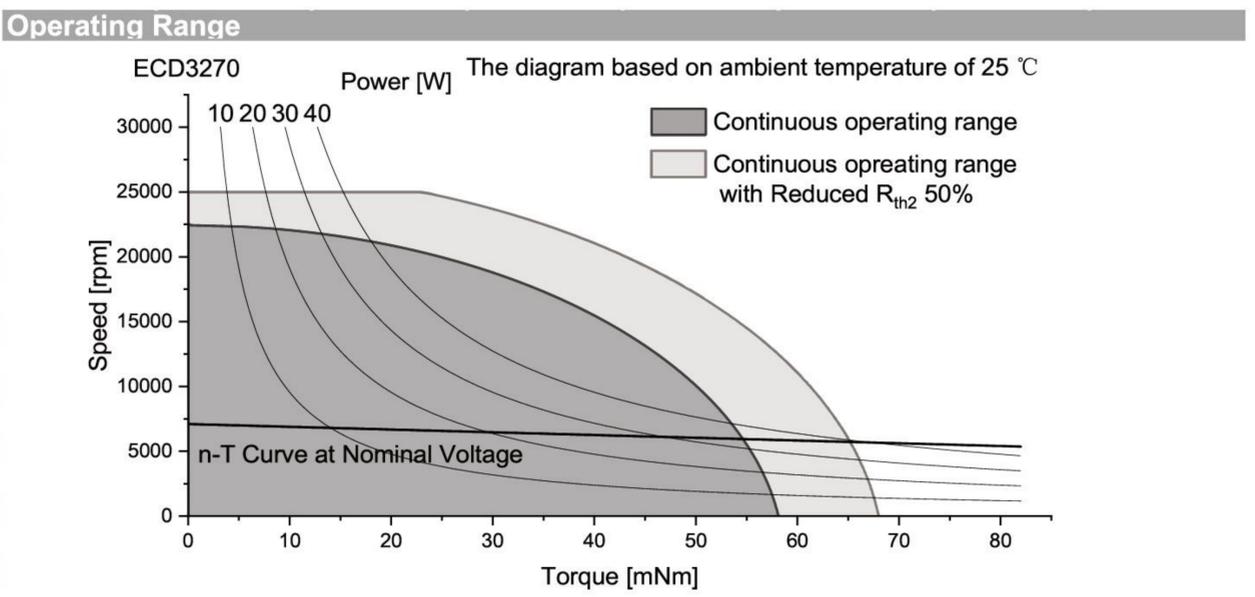


Motor data	With hall sensor	ECD3270S-...	1207	2407				
Values at nominal voltage								
1	Nominal voltage	V	12	24				
2	No load speed	rpm	7200	7100				
3	No load current	mA	194	110				
4	Nominal speed	rpm	6277	6243				
5	Nominal torque	mNm	40	40				
6	Nominal current	A	2.73	1.36				
7	Stall torque	mNm	312.16	331.23				
8	Stall current	A	20.00	10.48				
9	Max. efficiency	%	81.3	80.6				
10	Supply voltage +Vcc	V	10..28	10..28				
11	Direction of rotation		CW	CW				
12	Torque constant	mNm/A	15.76	31.94				
13	Speed constant	rpm/V	606	299				
14	Speed/torque gradient	rpm/mNm	23	21				
15	Mechanical time constant	ms	3.7	3.5				
16	Rotor inertia	gcm ²	15.5	15.5				

17	Thermal resistance housing-ambient	5 K/W
18	Thermal resistance winding-housing	4 K/W
19	Thermal time constant winding	52 s
20	Thermal time constant motor	540 s
21	Ambient temprature	-30...+100°C
22	Max. permissible winding temperature	+150°C
23	Max. permissible speed	25000 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	255 g



Controller features	
Sensor, Open loop, I _{max} < 2.2A	
Overload protection, Stall protection	
Max. temperature of electronics	+105°C

Connection			
Conection		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:
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