

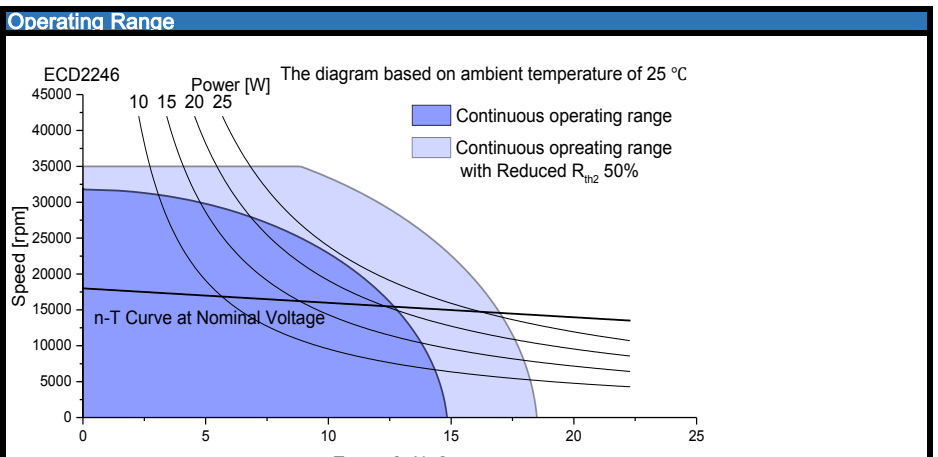
M 1.5:1

With hall sensor	ECD2246S-...	1212	2416						
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Motor data									
1	Nominal voltage	V	12	24					
2	No load speed	rpm	12200	16768					
3	No load current	mA	137	115					
4	Nominal speed	rpm	10585	14337					
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	%	73,5	74,8					

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	-40...+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



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

Configuration	
Function:	On&Off/Direction/Speed control/Brake
Speed control:	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

Connection	
Connection	PTFE
Pin 1 +VCC	AWG24 red
Pin 2 GND	AWG24 black

Caution:
Incorrect lead connection will damage the controller!

More :
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