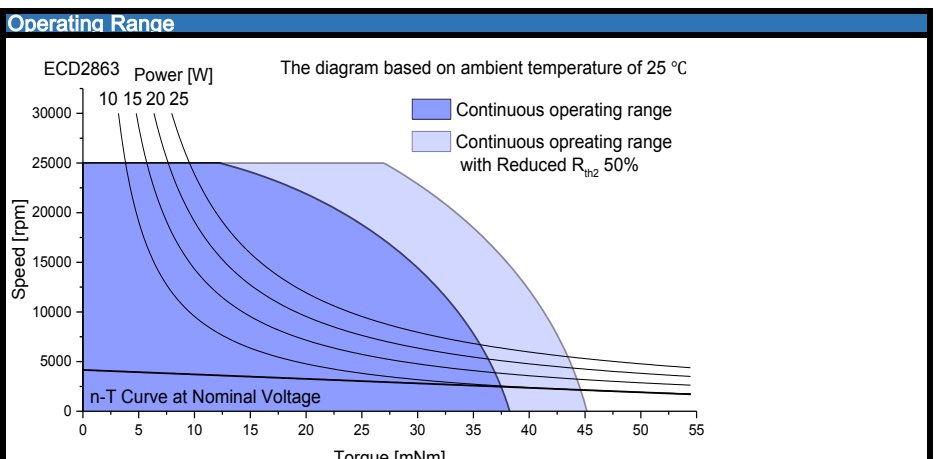


With hall sensor	ECD2863S-...	1204	2404						
<b>Motor data</b>									
1 Nominal voltage	V	12	24						
2 No load speed	rpm	4168	4162,5						
3 No load current	mA	70	60						
4 Nominal speed	rpm	3264	3033						
5 Nominal torque	mNm	25	25						
6 Nominal current	A	0,99	0,53						
7 Stall torque	mNm	115	92,1						
8 Stall current	A	4,33	1,79						
9 Max. efficiency	%	76,2	66,7						
10 Supply voltage +Vcc	V	10..28	10..28						
11 Direction of rotation		CW	CW						
12 Torque constant	mNm/A	27	53,2						
13 Speed constant	rpm/V	353	179						
14 Speed/torque gradient	rpm/mNm	36,2	45,2						
15 Mechanical time constant	ms	3,2	4,0						
16 Rotor inertia	gcm <sup>2</sup>	8,5	8,5						

17 Thermal resistance housing-ambient	7.1 K/W
18 Thermal resistance winding-housing	5 K/W
19 Thermal time constant winding	51 s
20 Thermal time constant motor	552 s
21 Ambient temperature	-40...+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) 2000 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	188 g



Controller features	Configuration
Sensor, Open loop, $I_{max} < 1.8A$	Function: On&Off/Direction/Speed control/Brake
Overload protection, Stall protection	Speed closed&open-loop Control/Speed feedback
Max. temperature of electronics +105°C	Performance: Customized in the continuous operating range

Connection	Flange	Shaft	Leadwire	Connector
Connection	PTFE	Length/Diameter/Cut face	PVC/Silicon/Teflon/UL No/Dimension/length	JST/MOLEX/TE
Pin 1 +VCC	AWG20 red			
Pin 2 GND	AWG20 black			

**Caution:**  
Incorrect lead connection will damage the controller!

More :  
Please contact our sales engineers