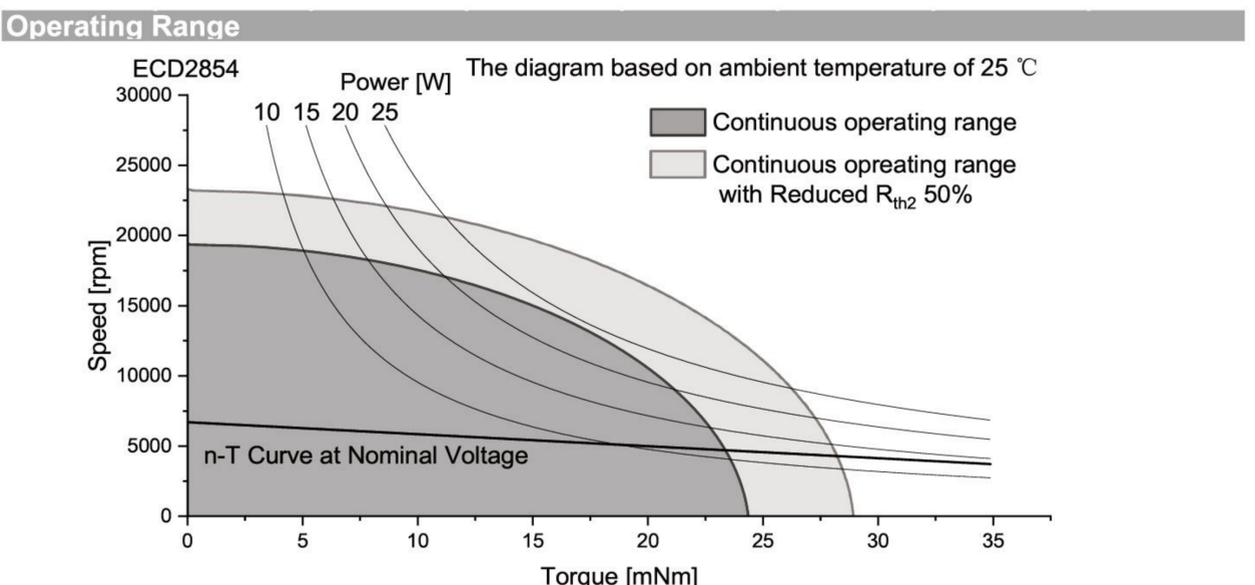


With hall sensor		ECD2854S-...	1206	2406					
Motor data									
Values at nominal voltage									
1	Nominal voltage	V	12	24					
2	No load speed	rpm	6878	6700					
3	No load current	mA	121	76					
4	Nominal speed	rpm	5433	5157					
5	Nominal torque	mNm	18	18					
6	Nominal current	A	1.23	0.62					
7	Stall torque	mNm	85.67	78.14					
8	Stall current	A	5.38	2.43					
9	Max. efficiency	%	72.3	67.8					
10	Supply voltage +Vcc	V	10..28	10..28					
11	Direction of rotation		CW	CW					
12	Torque constant	mNm/A	16.29	33.14					
13	Speed constant	rpm/V	586	288					
14	Speed/torque gradient	rpm/mNm	80	86					
15	Mechanical time constant	ms	4.4	4.7					
16	Rotor inertia	gcm ²	5.2	5.2					

17	Thermal resistance housing-ambient	9.6 K/W
18	Thermal resistance winding-housing	6.3 K/W
19	Thermal time constant winding	37 s
20	Thermal time constant motor	584 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)	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	153 g



Controller features

Sensor, Open loop, $I_{max} < 1.8A$	
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:
 Please contact our sales engineers