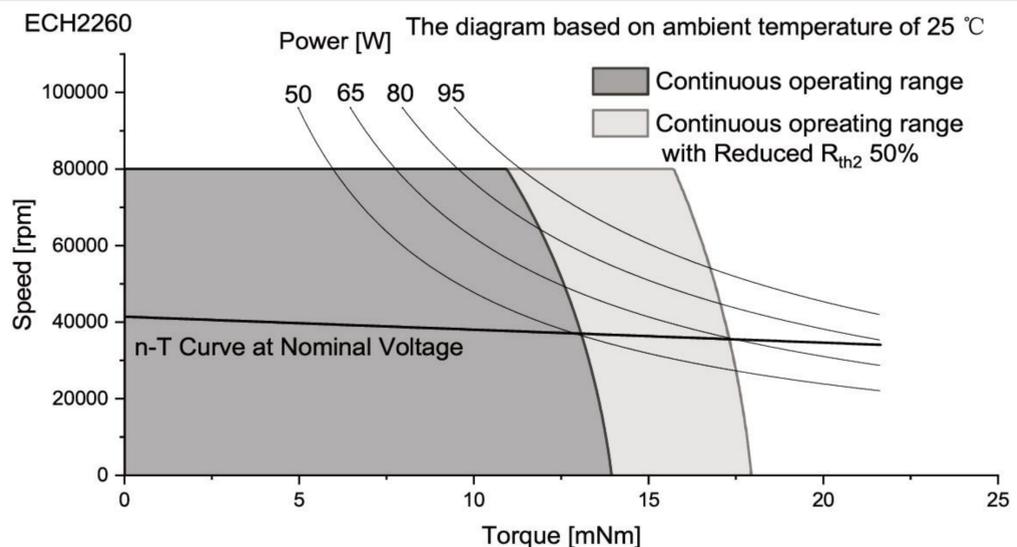


M 1:1.5

	Sensorless	EC2260L-...	EC2260S-...	2440	3640				
Motor data	With hall sensor								
Values at nominal voltage									
1	Nominal voltage	V		24	36				
2	No load speed	rpm		41423	40020				
3	No load current	mA		100	65				
4	Nominal speed	rpm		36276	35320				
5	Nominal torque	mNm		15	15				
6	Nominal current	A		2.82	1.82				
7	Stall torque	mNm		120.72	127.74				
8	Stall current	A		22.02	15.00				
9	Max. efficiency	%		87.0	87.3				
10	Terminal resistance	Ω		1.09	2.4				
11	Terminal inductance	mH		0.17	0.39				
12	Torque constant	mNm/A		5.51	8.55				
13	Speed constant	rpm/V		1734	1117				
14	Speed/torque gradient	rpm/mNm		343	313				
15	Mechanical time constant	ms		2.6	2.3				
16	Rotor inertia	gcm ²		0.71	0.71				

17	Thermal resistance housing-ambient	9.6 K/W
18	Thermal resistance winding-housing	2.5 K/W
19	Thermal time constant winding	14 s
20	Thermal time constant motor	448 s
21	Ambient temperature	-30...+100°C
22	Max. permissible winding temperature	+150°C
23	Max. permissible speed	80000 rpm
24	Axial play at axial load	<3 N 0 mm >3 N max. 0.3 mm
25	Radial play	preloaded
26	Max. axial load (dynamic)	2.5 N
27	Max. force for press fits (static)	44 N
	(static, shaft supported)	1200 N
28	Max. radial loading, 5mm from flange	11 N
29	Number of pole pairs	1
30	Number of phases	3
31	Weight of motor	92 g

Operating Range



Connection

Conection A (Sensor)		PVC
Pin 1	Vhall 3-18 VDC	AWG26 black
Pin 2	Hall sensor HA	AWG26 black
Pin 3	Hall sensor HB	AWG26 black
Pin 4	Hall sensor HC	AWG26 black
Pin 5	GND	AWG26 black
Pin 6	Motor winding MA	AWG26 black
Pin 7	Motor winding MB	AWG26 black
Pin 8	Motor winding MC	AWG26 black
Conector		JST PH2.0-8P

Conection B (Sensorless)		PVC
Pin 1	Motor winding MA	AWG26 yellow
Pin 2	Motor winding MB	AWG26 green
Pin 3	Motor winding MC	AWG26 blue

Configuration

Performance: Customized in the continuous operating range
Ball bearing: Preload
Flange: Standard frange front&back/customize the frange
Shaft: Length/Diameter/Cut face/double shaft/hollow shaft
Leadwire: PVC/Silicon/Teflon/UL No/Dimension/length
Connector: JST/MOLEX/TE