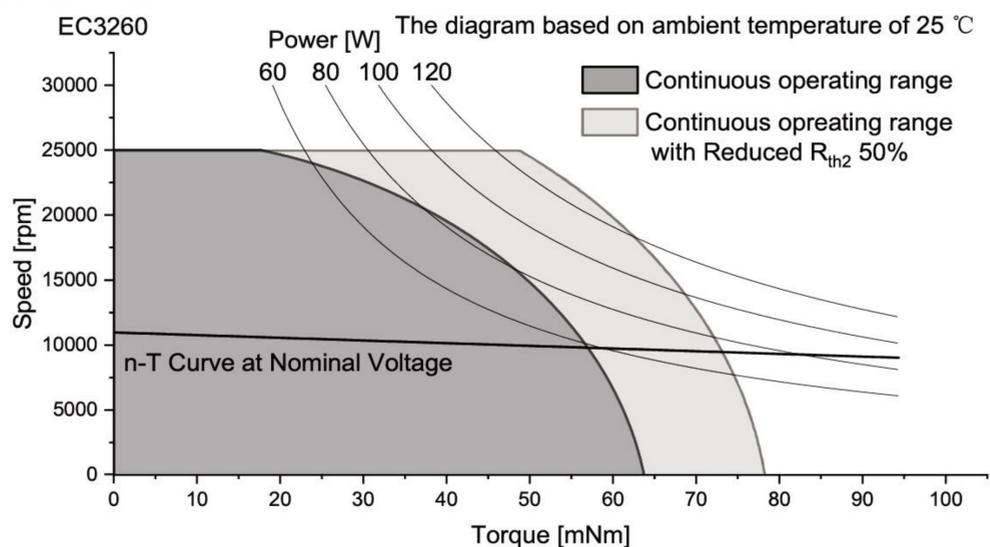


	Sensorless	EC3260L-...	1211	2411	3611	4811			
	With hall sensor	EC3260S-...							
<b>Motor data</b>									
<b>Values at nominal voltage</b>									
1	Nominal voltage	V	12	24	36	48			
2	No load speed	rpm	10845	11038	10937	11125			
3	No load current	mA	430	190	130	90			
4	Nominal speed	rpm	9889	10027	9931	10087			
5	Nominal torque	mNm	50	50	50	50			
6	Nominal current	A	5.20	2.62	1.73	1.31			
7	Stall torque	mNm	567.29	545.82	543.84	535.92			
8	Stall current	A	54.55	26.67	17.56	13.19			
9	Max. efficiency	%	83.0	83.8	83.5	84.2			
10	Terminal resistance	$\Omega$	0.22	0.9	2.05	3.64			
11	Terminal inductance	mH	0.08	0.32	0.9	1.22			
12	Torque constant	mNm/A	10.48	20.62	31.20	40.92			
13	Speed constant	rpm/V	911	463	306	233			
14	Speed/torque gradient	rpm/mNm	19	20	20	21			
15	Mechanical time constant	ms	3.1	3.3	3.3	3.4			
16	Rotor inertia	gcm <sup>2</sup>	15.5	15.5	15.5	15.5			

17	Thermal resistance housing-ambient	6 K/W
18	Thermal resistance winding-housing	3.2 K/W
19	Thermal time constant winding	36 s
20	Thermal time constant motor	626 s
21	Ambient temperature	-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	217 g

**Operating Range**



**Connection**

<b>Connection A (Sensor)</b>		PTFE
Pin 1	Motor winding MB	AWG20 Green
Pin 2	Vhall 3-18 VDC	AWG26 Red
Pin 3	Hall sensor HA	AWG26 Yellow
Pin 4	Hall sensor HC	AWG26 Blue
Pin 5	Motor winding MA	AWG20 Yellow
Pin 6	Motor winding MC	AWG20 Blue
Pin 7	GND	AWG26 Black
Pin 8	Hall sensor HB	AWG26 Green
Conector		Molex5557-8P

<b>Connection B (Sensorless)</b>		PTFE
Pin 1	Motor winding MA	AWG20 Yellow
Pin 2	Motor winding MB	AWG20 Green
Pin 3	Motor winding MC	AWG20 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