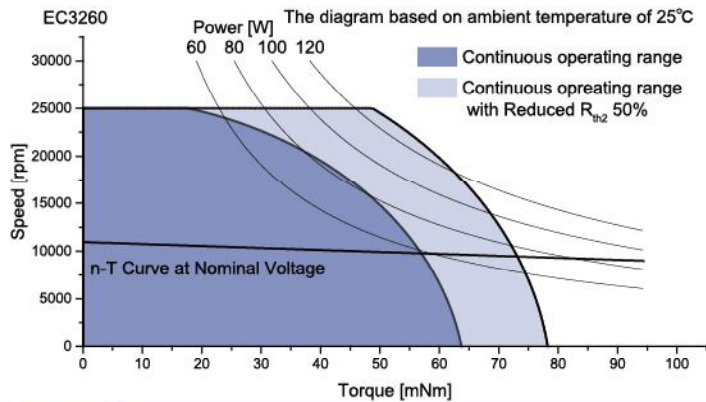


M 1:2

		Sensorless With hall sensor	EC3260L-...	EC3260S-...	1211	2411	3611	4811			
<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	5.2	2.62	1.73	1.31					
7	Stall torque	mNm	567	546	544	536					
8	Stall current	A	54.5	26.7	17.6	13.2					
9	Max. efficiency	%	83	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	0.90	1.22					
12	Torque constant	mNm/A	10.5	20.6	31.2	40.9					
13	Speed constant	rpm/V	911	463	306	233					
14	Speed/torque gradient	rpm/mNm	19.1	20.2	20.1	20.8					
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**

Connection A (Sensor)		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
Connector Molex5557-8P			

Connection B (Sensorless)		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