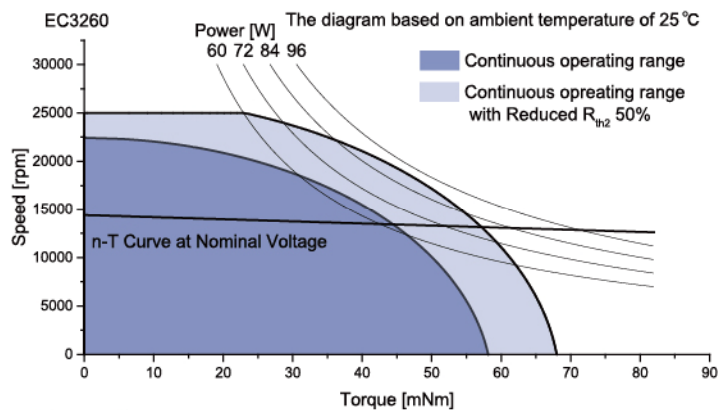


	Sensorless	EC3260L-...	1814	2414	3014	3614	4814		
	With hall sensor	EC3260S-...							
<b>Motor data</b>									
<b>Values at nominal voltage</b>									
1	Nominal voltage	V	18	24	30	36	48		
2	No load speed	rpm	13800	14400	13993	13794	14200		
3	No load current	mA	490	300	250	220	170		
4	Nominal speed	rpm	12789	13367	12993	12701	13240		
5	Nominal torque	mNm	45	45	45	45	45		
6	Nominal current	A	4.14	3.15	2.47	2.04	1.58		
7	Stall torque	mNm	614	627	630	568	666		
8	Stall current	A	50.3	40	31.3	23.2	21		
9	Max. efficiency	%	81.2	83.4	82.9	81.5	82.8		
10	Terminal resistance	$\Omega$	0.36	0.6	0.96	1.55	2.29		
11	Terminal inductance	mH	0.1	0.16	0.26	0.39	1.83		
12	Torque constant	mNm/A	12.3	15.8	20.3	24.7	32		
13	Speed constant	rpm/V	774	605	470	387	298		
14	Speed/torque gradient	rpm/mNm	22.5	23	22.2	24.3	21.3		
15	Mechanical time constant	ms	3.6	3.7	3.6	3.9	3.5		
16	Rotor inertia	gcm <sup>2</sup>	15.5	15.5	15.5	15.5	15.5		

17	Thermal resistance housing-ambient	5 K/W
18	Thermal resistance winding-housing	4 K/W
19	Thermal time constant winding	52 s
20	Thermal time constant motor	540 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)	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	215 g

**Operating Range**



**Connection**

Conection 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
Conector Molex5557-8P			

Conection 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 within 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