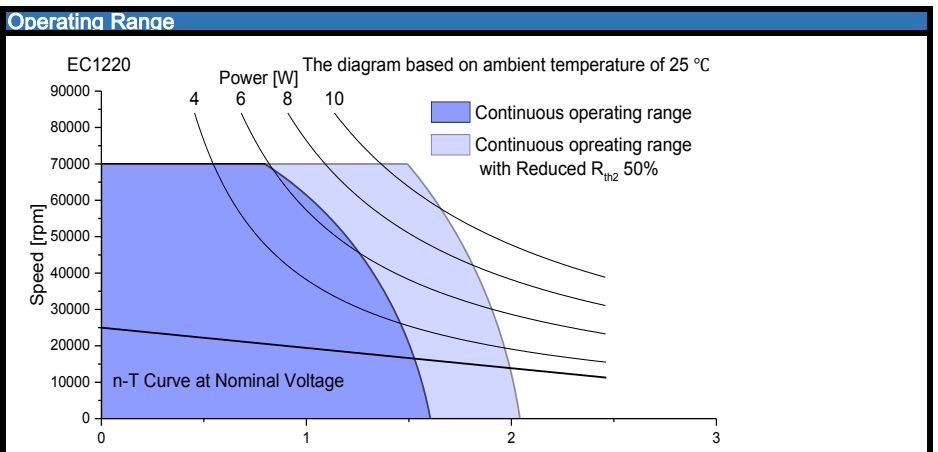


⊕ M 1.5:1

Sensorless	EC1220L-...	0625	0936						
Motor Data									
1	Nominal voltage	V	6	9					
2	No load speed	rpm	25000	36890					
3	No load current	mA	69	83					
4	Nominal speed	rpm	16536	29888					
5	Nominal torque	mNm	1,5	1,3					
6	Nominal current	A	0,75	0,66					
7	Stall torque	mNm	4,43	6,85					
8	Stall current	A	2,07	3,1					
9	Max. efficiency	%	66,8	70					

10	Terminal resistance	Ω	2,9	2,9					
11	Terminal inductance	mH	0,19	0,19					
12	Torque constant	mNm/A	2,22	2,27					
13	Speed constant	rpm/V	4310	4212					
14	Speed/torque gradient	rpm/mNm	5642	5386					
15	Mechanical time constant	ms	10,0	9,6					
16	Rotor inertia	gcm ²	0,2	0,2					

17	Thermal resistance housing-ambient	38.3 K/W
18	Thermal resistance winding-housing	9.6 K/W
19	Thermal time constant winding	5 s
20	Thermal time constant motor	196 s
21	Ambient temperature	-40...+100°C
22	Max. permissible winding temperature	+125°C
23	Max. permissible speed	70000 rpm
24	Axial play at axial load	<0.8 N 0 mm >0.8 N max. 0.3 mm
25	Radial play	preloaded
26	Max. axial load (dynamic)	0,3
27	Max. force for press fits (static)	11N (static, shaft supported)
28	Max. radial loading, 5mm from flange	4.3 N
29	Number of pole pairs	1
30	Number of phases	3
31	Weight of motor	9.8 g



Connection		Material		Color
Connection		PTFE		
Pin 1	Motor winding MA	AWG28	yellow	
Pin 2	Motor winding MB	AWG28	green	
Pin 3	Motor winding MC	AWG28	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