

DC-BRUSHLESS MOTOR
LS820EJ
 ELECTRONIC DRIVE
DIGIVEX 30/60 - 230

PARVEX

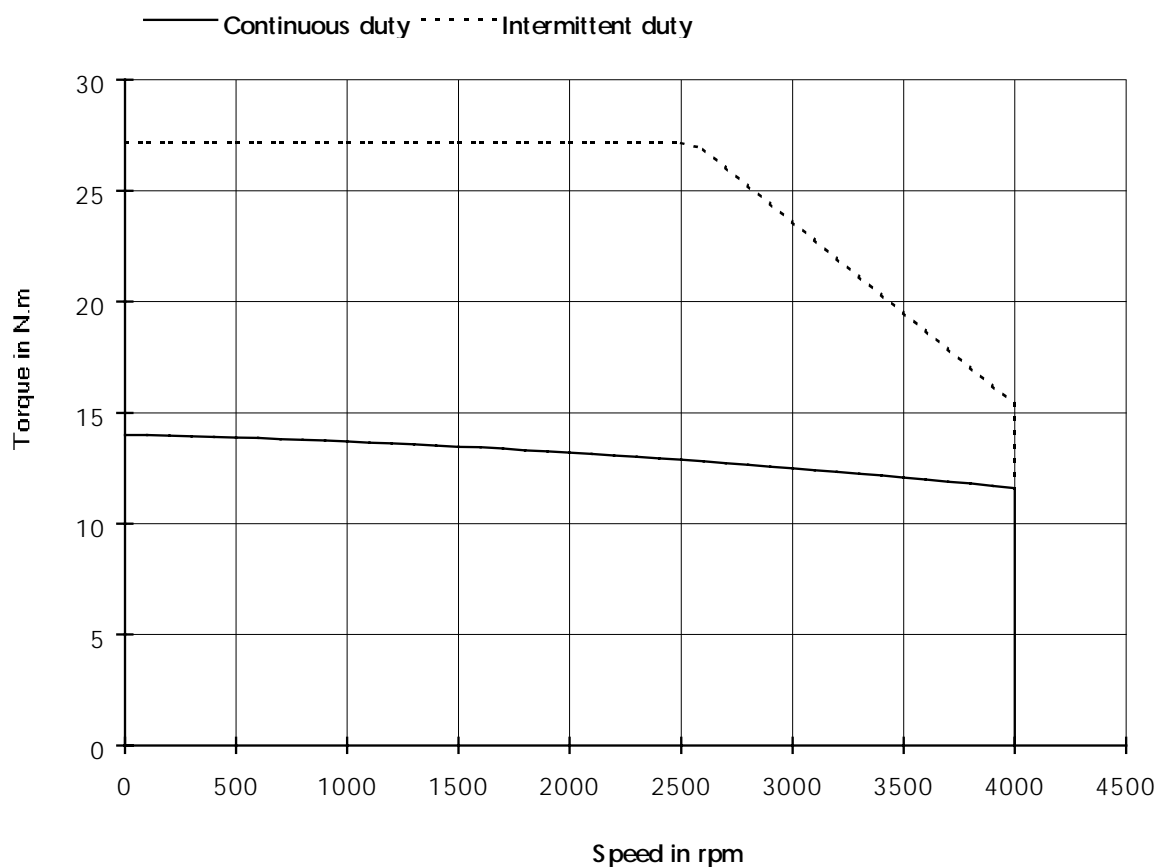
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	14	<i>N.m</i>	M_o
Max speed	4000	<i>rpm</i>	<i>N</i>
DC voltage supply when motor is loaded	280	<i>V</i>	\hat{U}
Permanent current at low speed	27.8	\hat{A}	\hat{I}_o
Peak current	60	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	66	<i>V</i>	\hat{K}_e
Torque sensitivity	0.503	<i>N.m/Ā</i>	\hat{K}_t
Winding resistance(25°C) *	0.287	Ω	<i>Rb</i>
Winding inductance *	3.65	<i>mH</i>	<i>L</i>
Rotor inertia	350	<i>kg.m².10⁻⁵</i>	<i>J</i>
Thermal time constant	40	<i>min</i>	<i>Tth</i>
Motor mass	14.6	<i>kg</i>	<i>M</i>

All data are given in typical values under standard conditions

* Phase to phase

Voltagés and currents given in peak values



FICHE-005

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