

DC-BRUSHLESS MOTOR
LS820EQ
 ELECTRONIC DRIVE
DIGIVEX 15/30 - 230

PARVEX

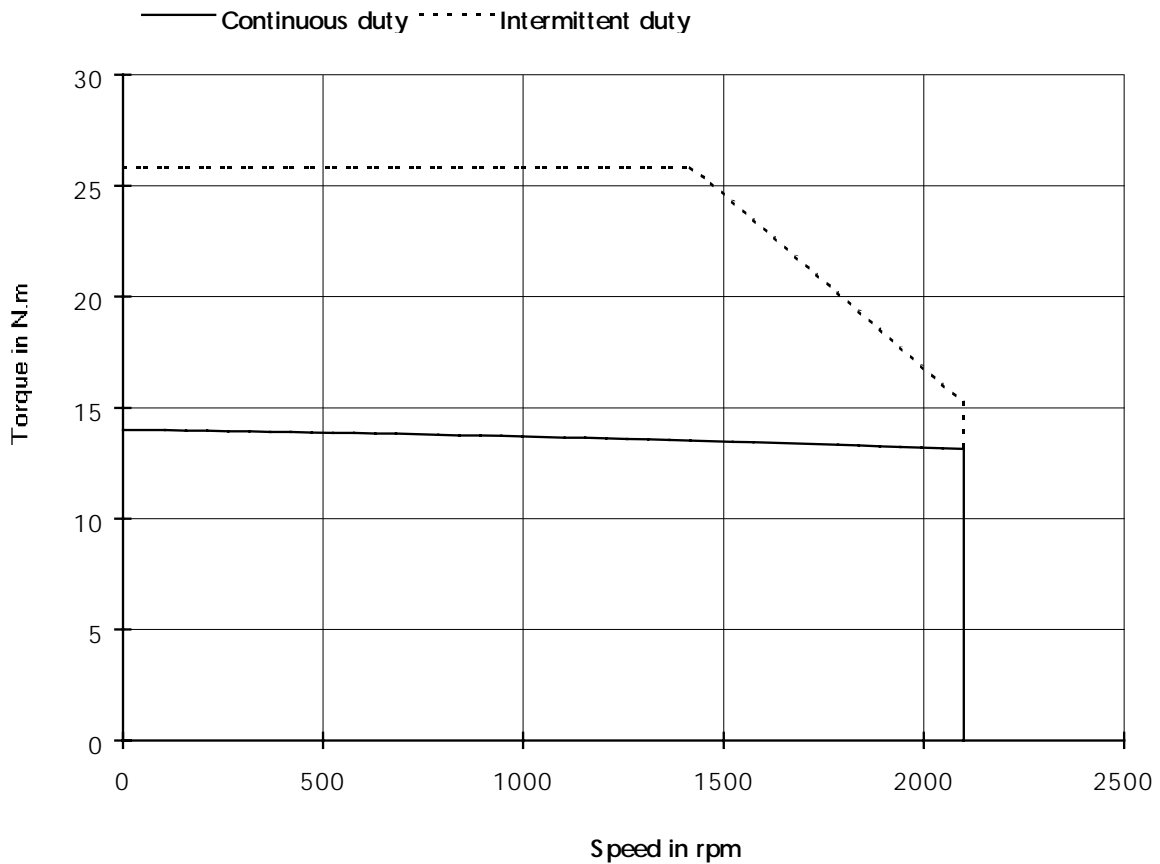
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	14	<i>N.m</i>	M_o
Max speed	2100	<i>rpm</i>	N
DC voltage supply when motor is loaded	280	<i>V</i>	\hat{U}
Permanent current at low speed	14.8	\hat{A}	\hat{I}_o
Peak current	30	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	124	<i>V</i>	\hat{K}_e
Torque sensitivity	0.946	<i>N.m/Ā</i>	\hat{K}_t
Winding resistance(25°C) *	1.01	Ω	R_b
Winding inductance *	12.9	<i>mH</i>	L
Rotor inertia	350	<i>kg.m².10⁻⁵</i>	J
Thermal time constant	40	<i>min</i>	T_{th}
Motor mass	14.6	<i>kg</i>	M

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents given in peak values



FICHE-005

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