

DC-BRUSHLESS MOTOR  
**LX820VF**  
 ELECTRONIC DRIVE  
**DIGIVEX 60/100 - 230**

**PARVEX**

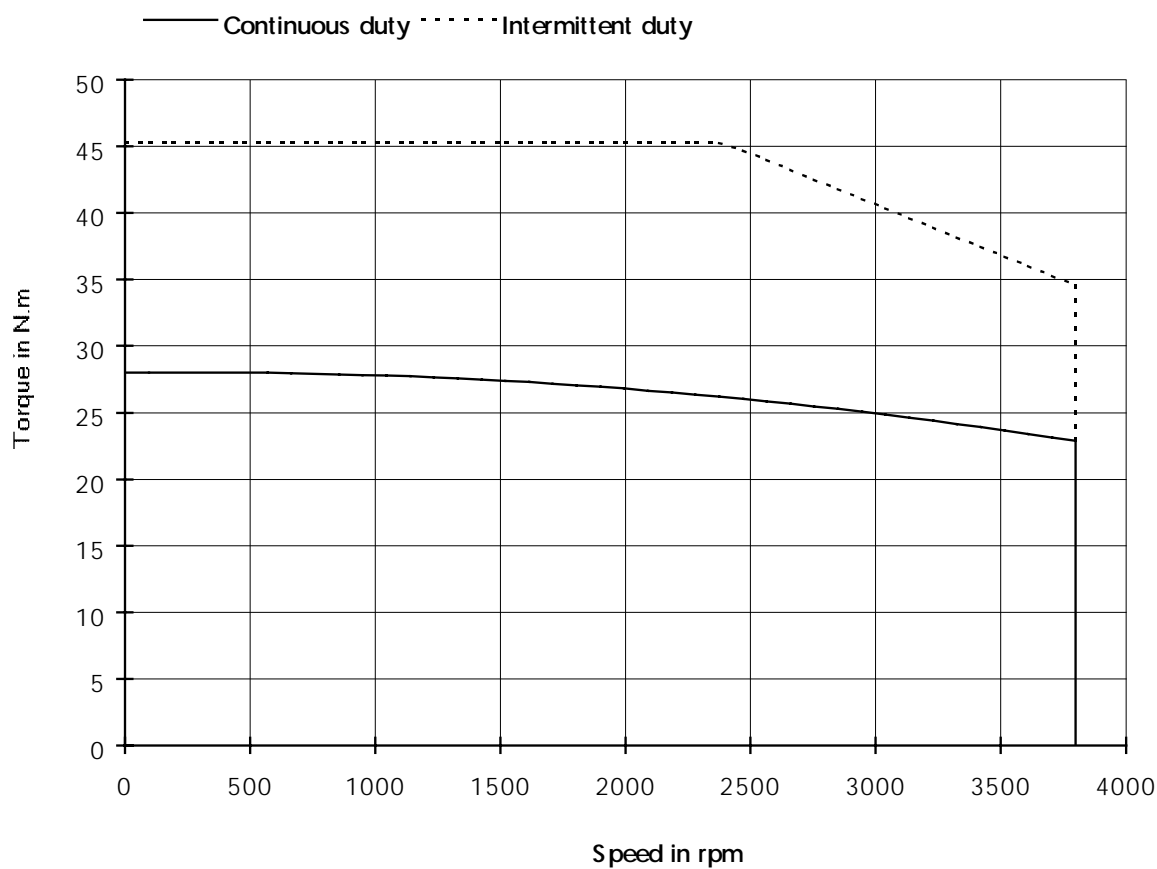
8 avenue du Lac / BP249  
 F-21007 DIJON Cedex

Low speed torque	28	N.m	$M_o$
Max speed	3800	rpm	N
DC voltage supply when motor is loaded	280	V	$\hat{U}$
Permanent current at low speed	54.6	$\hat{A}$	$\hat{I}_o$
Peak current	100	$\hat{A}$	$\hat{I}_{maxi}$
Back emf constant at 1000 rpm (25°C)*	70.4	V	$\hat{K}_e$
Torque sensitivity	0.512	N.m/ $\hat{A}$	$\hat{K}_t$
Winding resistance(25°C) *	0.188	$\Omega$	Rb
Winding inductance *	2.81	mH	L
Rotor inertia	230	kg.m <sup>2</sup> .10 <sup>-5</sup>	J
Thermal time constant	15	min	Tth
Motor mass	22	kg	M

All data are given in typical values under standard conditions

\* Phase to phase

Voltages and currents given in peak values



FICHE-005

Creation: 07 janv 1998

Edition: 17/nov/1998

LX820VF

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