

DC-BRUSHLESS MOTOR  
**NX820EAR**  
 ELECTRONIC DRIVE  
**DIGIVEX 16/32 - 460**

**PARVEX**

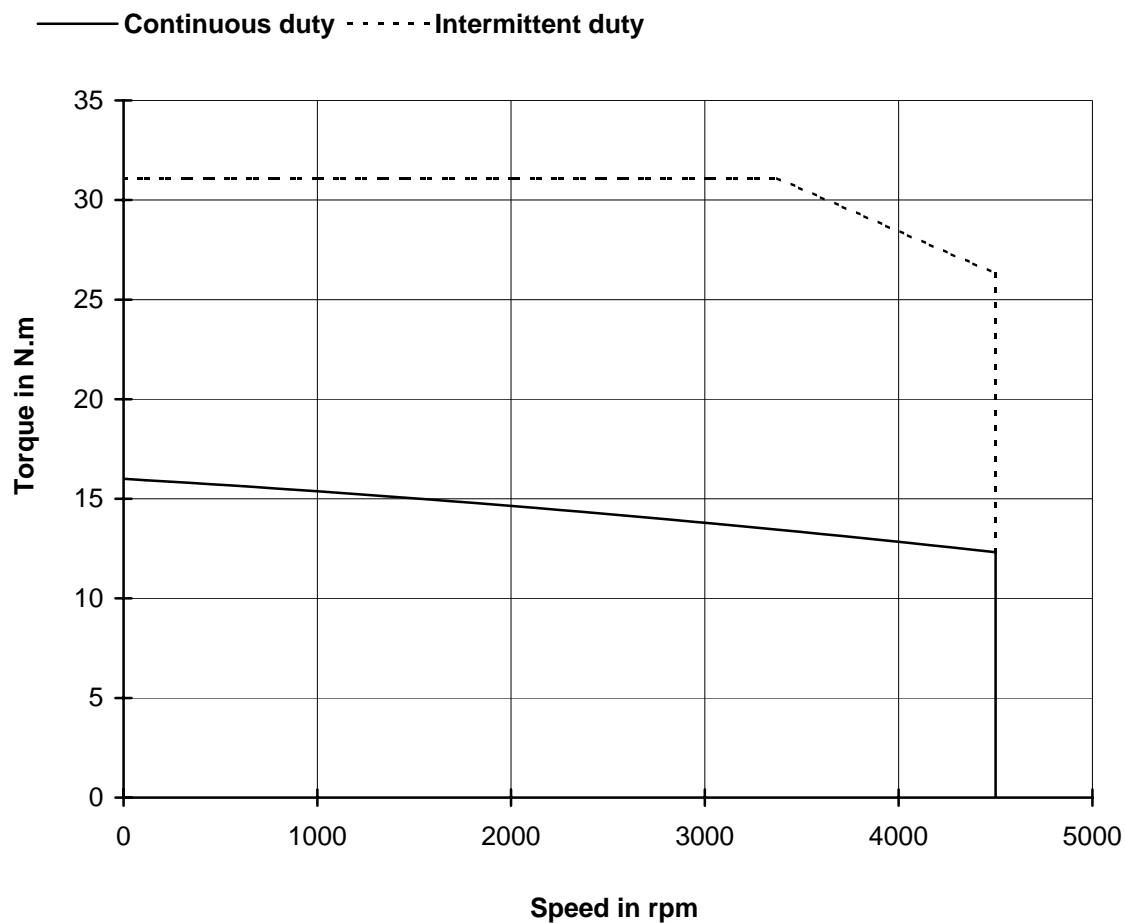
8 avenue du Lac / BP249  
 F-21007 DIJON Cedex

Low speed torque	16	N.m	$M_o$
Max speed	4500	rpm	N
DC voltage supply when motor is loaded	620	V	$\hat{U}$
Permanent current at low speed	15.5	$\hat{A}$	$\hat{I}_o$
Peak current	32	$\hat{A}$	$\hat{I}_{maxi}$
Back emf constant at 1000 rpm (25°C)*	129	V	$\hat{K}_e$
Torque sensitivity	1.03	N.m/ $\hat{A}$	$\hat{K}_t$
Winding resistance(25°C) *	1.01	$\Omega$	Rb
Winding inductance *	8.57	mH	L
Rotor inertia	320	kg.m <sup>2</sup> .10-5	J
Thermal time constant	34	min	Tth
Motor mass	13	kg	M

All data are given in typical values under standard conditions

\* Phase to phase

Voltages and currents given in peak values



FICHE-008