

DC-BRUSHLESS MOTOR  
**NX820EAX**  
 ELECTRONIC DRIVE  
**DIGIVEX 8/16 - 460**

**PARVEX**

8 avenue du Lac / BP249  
 F-21007 DIJON Cedex

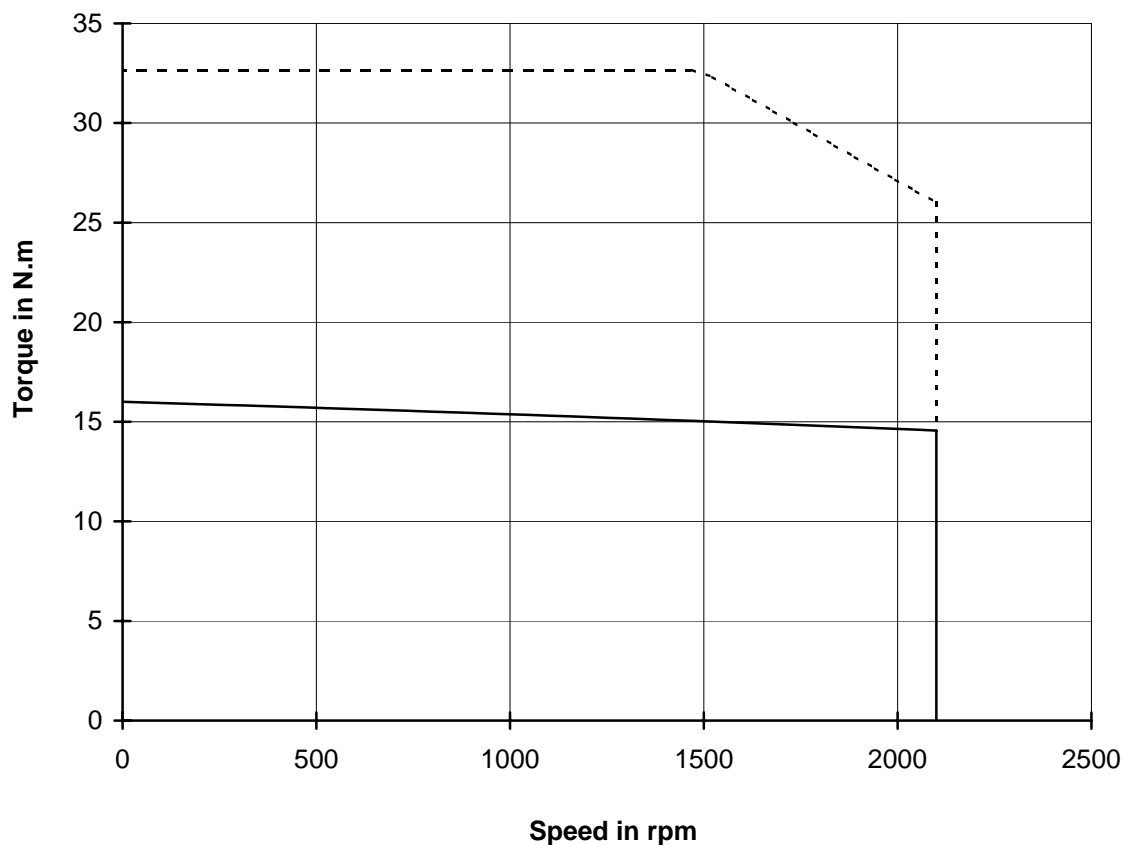
Low speed torque	16	N.m	$M_o$
Max speed	2100	rpm	N
DC voltage supply when motor is loaded	620	V	$\hat{U}$
Permanent current at low speed	7.3	$\hat{A}$	$\hat{I}_o$
Peak current	16	$\hat{A}$	$\hat{I}_{maxi}$
Back emf constant at 1000 rpm (25°C)*	273	V	$\hat{K}_e$
Torque sensitivity	2.19	N.m/ $\hat{A}$	$\hat{K}_t$
Winding resistance(25°C) *	4.53	$\Omega$	Rb
Winding inductance *	38.7	mH	L
Rotor inertia	320	kg.m <sup>2</sup> .10 <sup>-5</sup>	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

—— Continuous duty - - - - Intermittent duty



FICHE-008

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