

DC-BRUSHLESS MOTOR
NX430EAP
 ELECTRONIC DRIVE
DIGIVEX 4/8 - 460

PARVEX

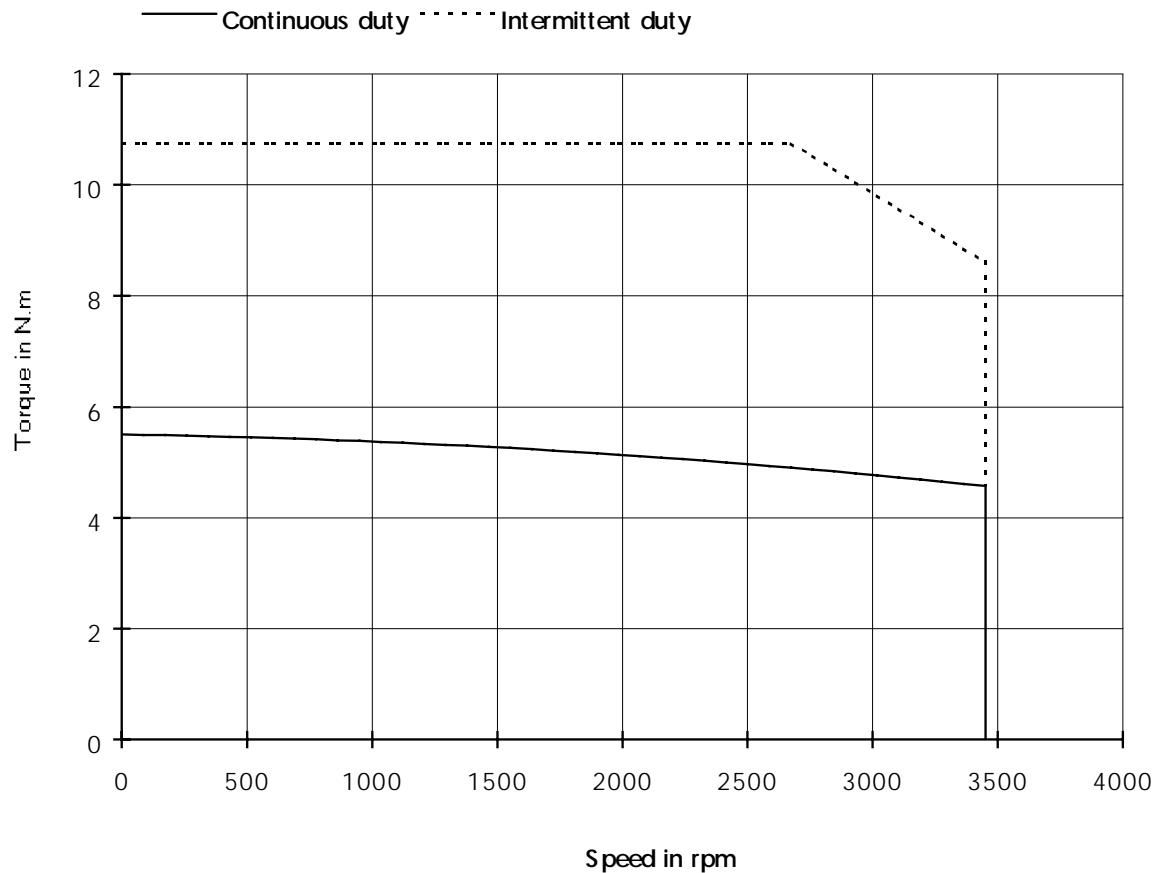
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	5.5	<i>N.m</i>	M_o
Max speed	3450	<i>rpm</i>	<i>N</i>
DC voltage supply when motor is loaded	620	<i>V</i>	\hat{U}
Permanent current at low speed	3.99	\hat{A}	\hat{I}_o
Peak current	8	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	172	<i>V</i>	\hat{K}_e
Torque sensitivity	1.38	<i>N.m/Ā</i>	\hat{K}_t
Winding resistance(25°C) *	7.78	Ω	<i>Rb</i>
Winding inductance *	37.8	<i>mH</i>	<i>L</i>
Rotor inertia	42.6	<i>kg.m².10⁻⁵</i>	<i>J</i>
Thermal time constant	18	<i>min</i>	<i>Tth</i>
Motor mass	4.8	<i>kg</i>	<i>M</i>

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents given in peak values



FICHE-007

Creation: 16 mai 2000

Edition: 17/mai/2000

NX430EAP