

DC-BRUSHLESS MOTOR
NX420EAP
 ELECTRONIC DRIVE
DIGIVEX 4/8 - 460

PARVEX

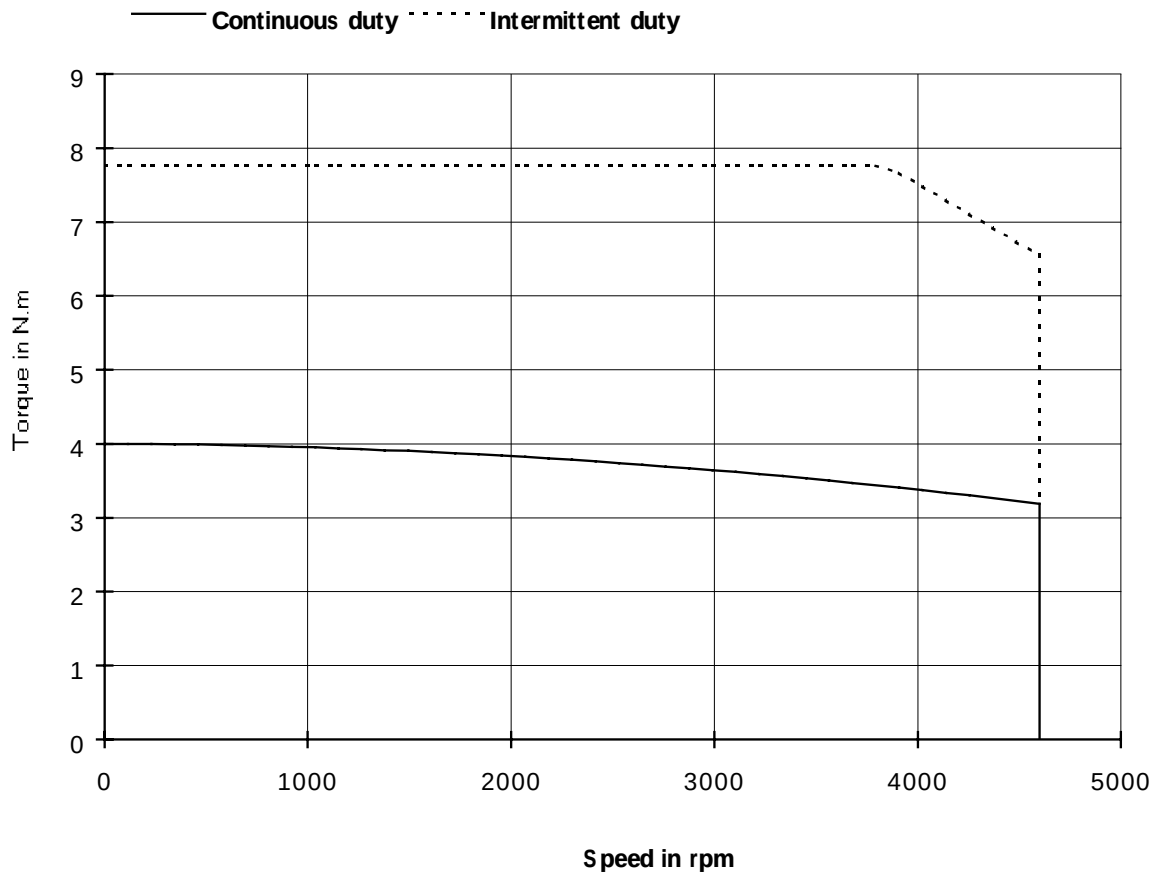
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	4	N.m	M_o
Max speed	4600	rpm	N
DC voltage supply when motor is loaded	620	V	$\hat{U}$
Permanent current at low speed	3.98	A	$\hat{I}_o$
Peak current	8	A	$\hat{I}_{maxi}$
Back emf constant at 1000 rpm (25°C)*	126	V	$\hat{K}_e$
Torque sensitivity	1	N.m/A	$\hat{K}_t$
Winding resistance(25°C) *	7.44	Ω	Rb
Winding inductance *	33	mH	L
Rotor inertia	29	kg.m ² .10 ⁻⁵	J
Thermal time constant	12	min	Tth
Motor mass	3.8	kg	M

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

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