

DC-BRUSHLESS MOTOR
NX430EAL
 ELECTRONIC DRIVE
DIGIVEX 8/16 - 460

PARVEX

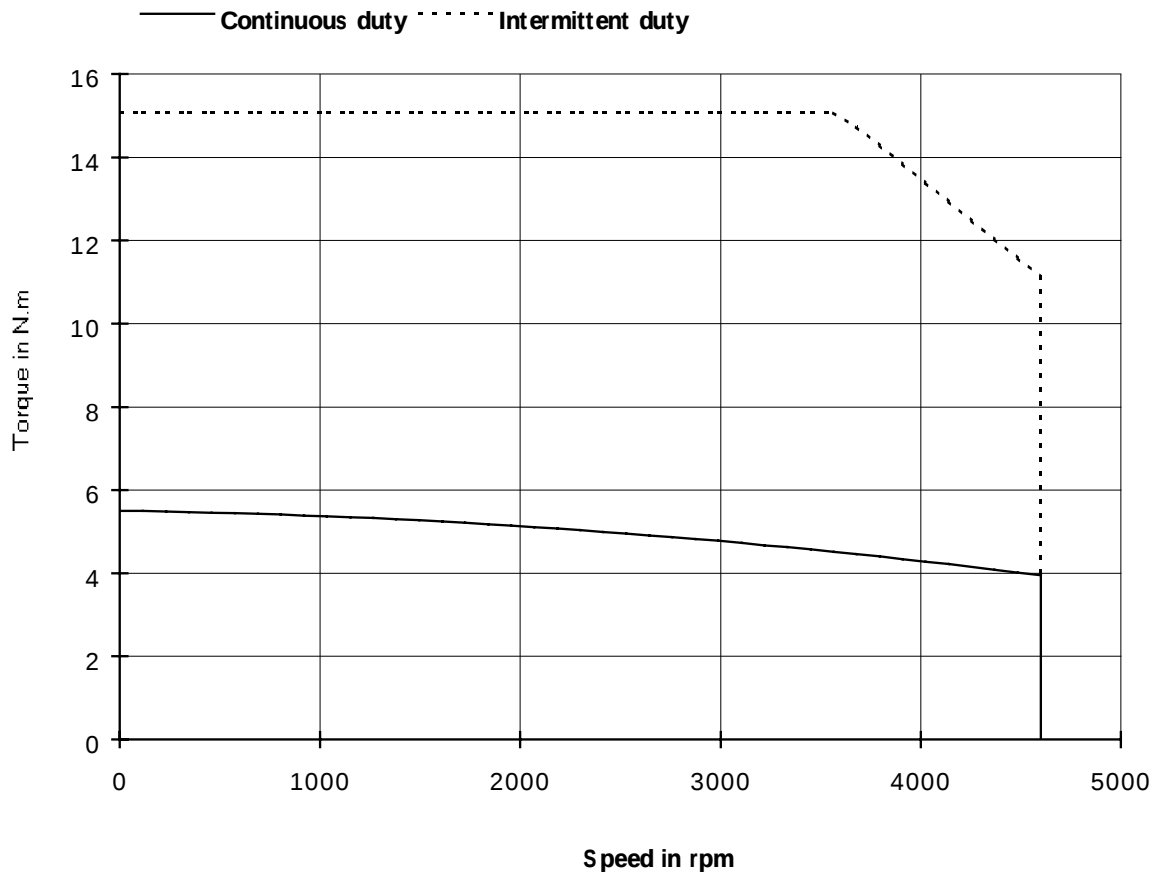
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	5.5	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	5.35	A	$\hat{I}_o$
Peak current	16	A	$\hat{I}_{maxi}$
Back emf constant at 1000 rpm (25°C)*	129	V	$\hat{K}_e$
Torque sensitivity	1.03	N.m/A	$\hat{K}_t$
Winding resistance(25°C) *	4.53	Ω	R_b
Winding inductance *	21	mH	L
Rotor inertia	42.6	kg.m ² .10 ⁻⁵	J
Thermal time constant	18	min	T_{th}
Motor mass	4.8	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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