

DC-BRUSHLESS MOTOR  
**HX840VG**  
 ELECTRONIC DRIVE  
**DIGIVEX 100/120 - 400**

**PARVEX**

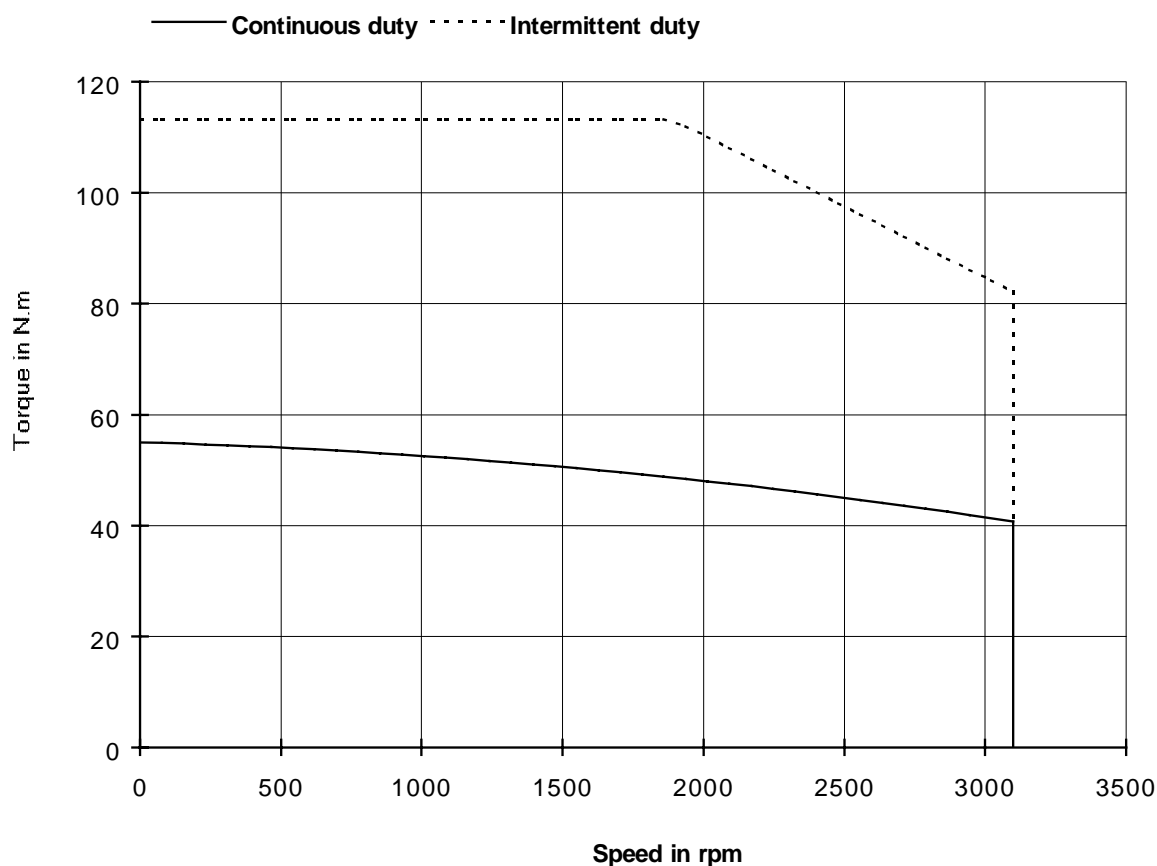
8 avenue du Lac / BP249  
 F-21007 DIJON Cedex

Low speed torque	55	N.m	$M_o$
Max speed	3100	rpm	$N$
DC voltage supply when motor is loaded	540	V	$\hat{U}$
Permanent current at low speed	43.5	$\hat{A}$	$\hat{I}_o$
Peak current	109	$\hat{A}$	$\hat{I}_{maxi}$
Back emf constant at 1000 rpm (25°C)*	167	V	$\hat{K}_e$
Torque sensitivity	1.26	N.m/ $\hat{A}$	$\hat{K}_t$
Winding resistance(25°C) *	0.409	$\Omega$	$R_b$
Winding inductance *	7.64	mH	$L$
Rotor inertia	420	kg.m <sup>2</sup> .10 <sup>-5</sup>	$J$
Thermal time constant	20	min	$T_{th}$
Motor mass	33	kg	$M$

All data are given in typical values under standard conditions

\* Phase to phase

Voltages and currents given in peak values



FICHE-005

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