

DC-BRUSHLESS MOTOR
HX840VG
 ELECTRONIC DRIVE
DIGIVEX 100/120 - 460

PARVEX

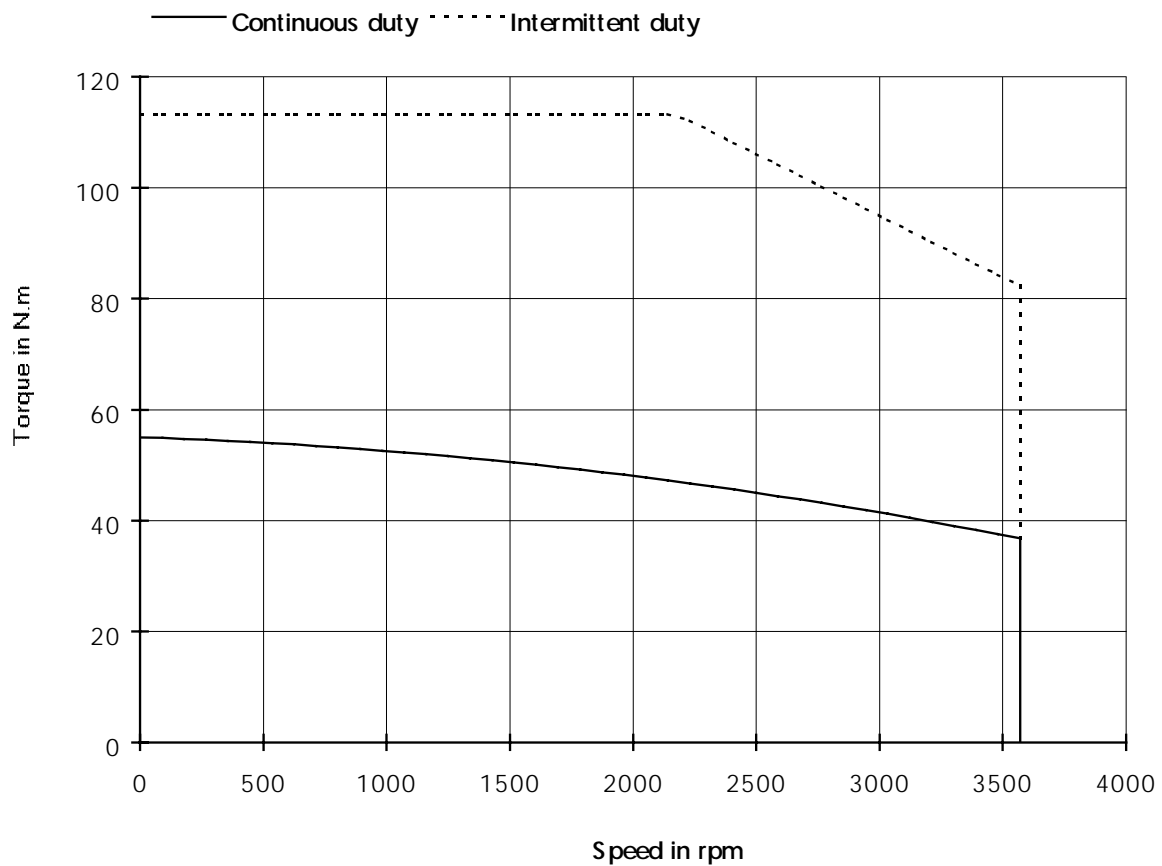
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	55	<i>N.m</i>	M_o
Max speed	3570	<i>rpm</i>	<i>N</i>
DC voltage supply when motor is loaded	620	<i>V</i>	\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	<i>V</i>	\hat{K}_e
Torque sensitivity	1.26	<i>N.m/Ā</i>	\hat{K}_t
Winding resistance(25°C) *	0.409	Ω	<i>R_b</i>
Winding inductance *	7.64	<i>mH</i>	<i>L</i>
Rotor inertia	420	<i>kg.m².10⁻⁵</i>	<i>J</i>
Thermal time constant	20	<i>min</i>	<i>T_{th}</i>
Motor mass	33	<i>kg</i>	<i>M</i>

All data are given in typical values under standard conditions

* Phase to phase

Voltagés and currents given in peak values



FICHE-005

Creation: 26 févr 1998

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