

DC-BRUSHLESS MOTOR
HXA50VE
 ELECTRONIC DRIVE
DIGIVEX 200 - 400

PARVEX

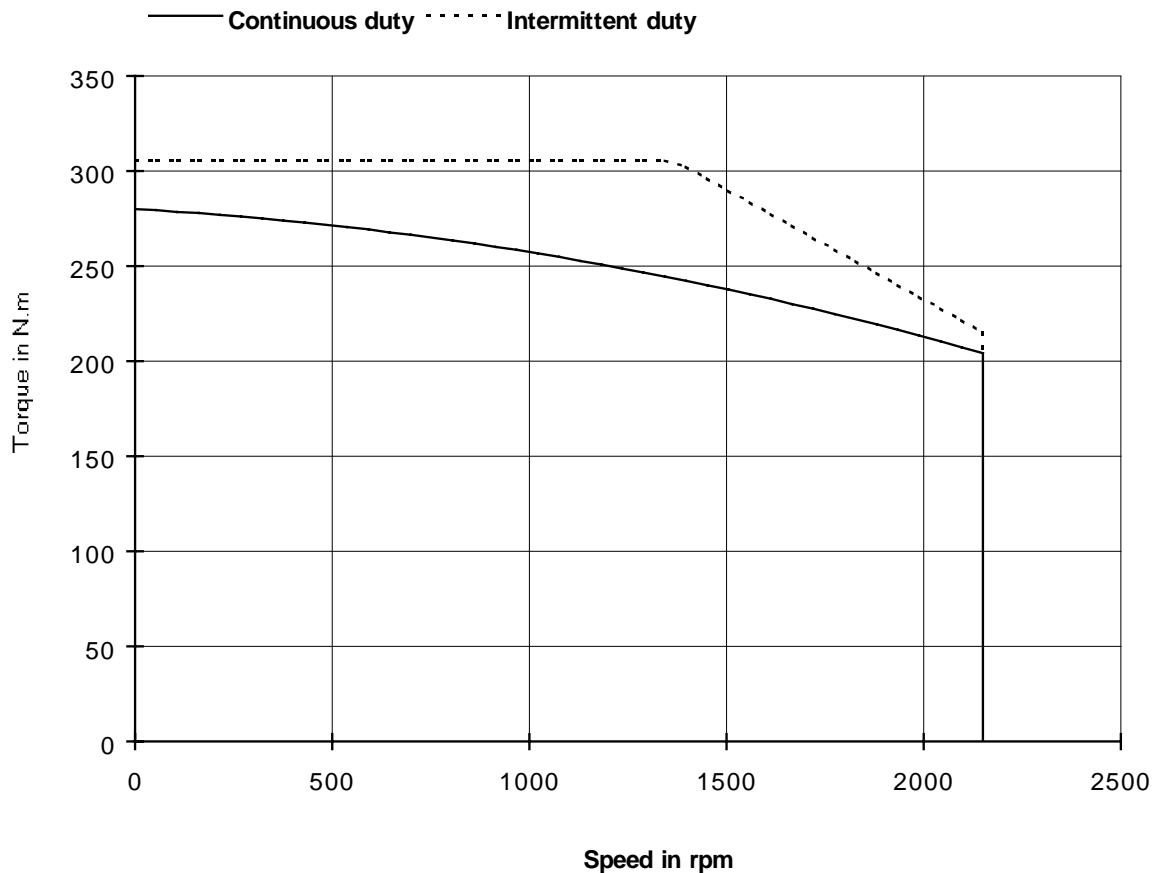
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	280	N.m	M_o
Max speed	2150	rpm	N
DC voltage supply when motor is loaded	540	V	\hat{U}
Permanent current at low speed	175	\hat{A}	\hat{I}_o
Peak current	200	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	239	V	\hat{K}_e
Torque sensitivity	1.6	N.m/ \hat{A}	\hat{K}_t
Winding resistance(25°C) *	0.0641	Ω	R_b
Winding inductance *	1.96	mH	L
Rotor inertia	4300	kg.m ² .10 ⁻⁵	J
Thermal time constant	23	min	T_{th}
Motor mass	120	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: 10 sept 1999

Edition: 23/mai/2000

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