

DC-BRUSHLESS MOTOR
HX820VK
 ELECTRONIC DRIVE
DIGIVEX 32/64 - 400

PARVEX

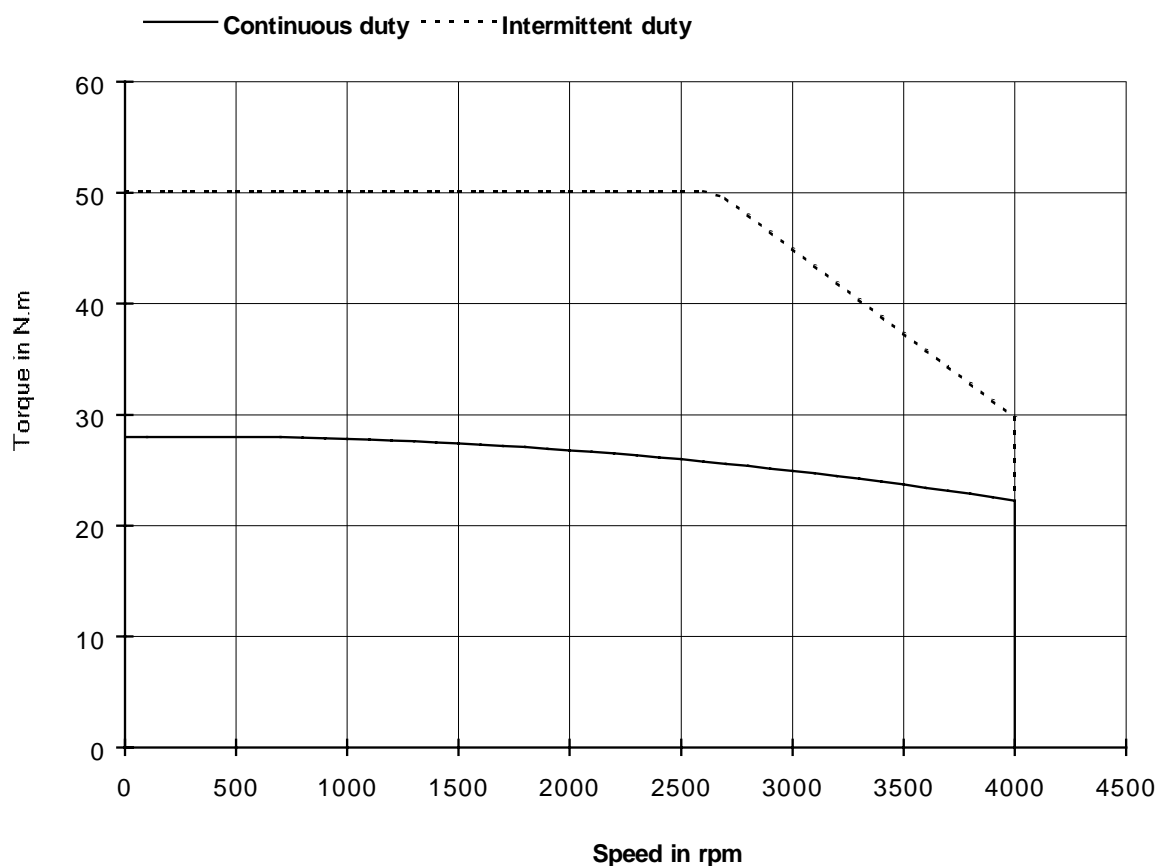
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	28	N.m	M_o
Max speed	4000	rpm	N
DC voltage supply when motor is loaded	540	V	\hat{U}
Permanent current at low speed	29.8	\hat{A}	\hat{I}_o
Peak current	64	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	129	V	\hat{K}_e
Torque sensitivity	0.94	N.m/ \hat{A}	\hat{K}_t
Winding resistance(25°C) *	0.644	Ω	R_b
Winding inductance *	9.45	mH	L
Rotor inertia	230	kg.m ² .10 ⁻⁵	J
Thermal time constant	15	min	T_{th}
Motor mass	22	kg	M

All data are given in typical values under standard conditions

* Phase to phase

Voltagess and currents given in peak values



FICHE-005

Creation: 01 oct 1996

Edition: 17/nov/1998

HX820VK

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