

DC-BRUSHLESS MOTOR
HX820DT
 ELECTRONIC DRIVE
DIGIVEX 8/16 - 400

PARVEX

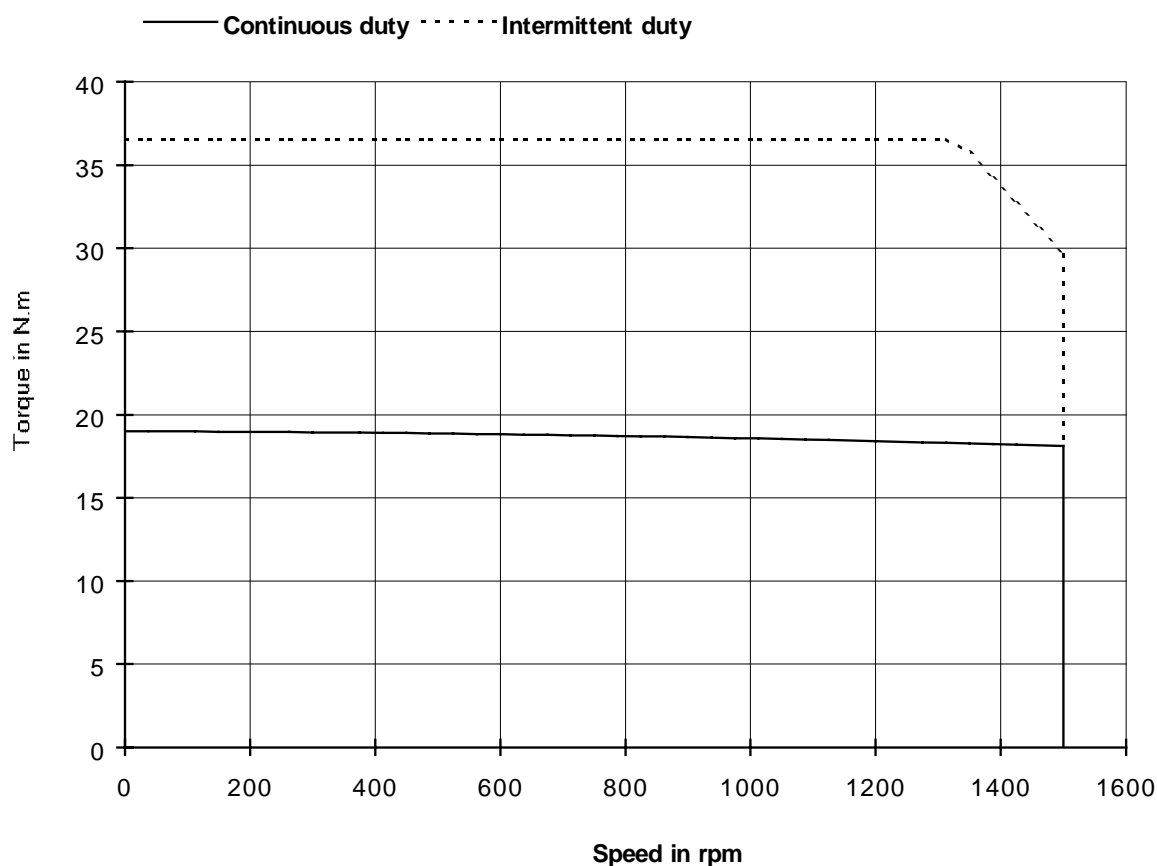
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	19	N.m	M_o
Max speed	1500	rpm	N
DC voltage supply when motor is loaded	540	V	\hat{U}
Permanent current at low speed	7.89	\hat{A}	\hat{I}_o
Peak current	16	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	328	V	\hat{K}_e
Torque sensitivity	2.41	N.m/ \hat{A}	\hat{K}_t
Winding resistance(25°C) *	3.97	Ω	R_b
Winding inductance *	61.2	mH	L
Rotor inertia	230	kg.m ² .10 ⁻⁵	J
Thermal time constant	50	min	T_{th}
Motor mass	17	kg	M

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents given in peak values



FICHE-005

Creation: 27 août 1996

Edition: 17/nov/1998

HX820DT

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