

DC-BRUSHLESS MOTOR
HS820EQ
 ELECTRONIC DRIVE
DIGIVEX 16/32 - 400

PARVEX

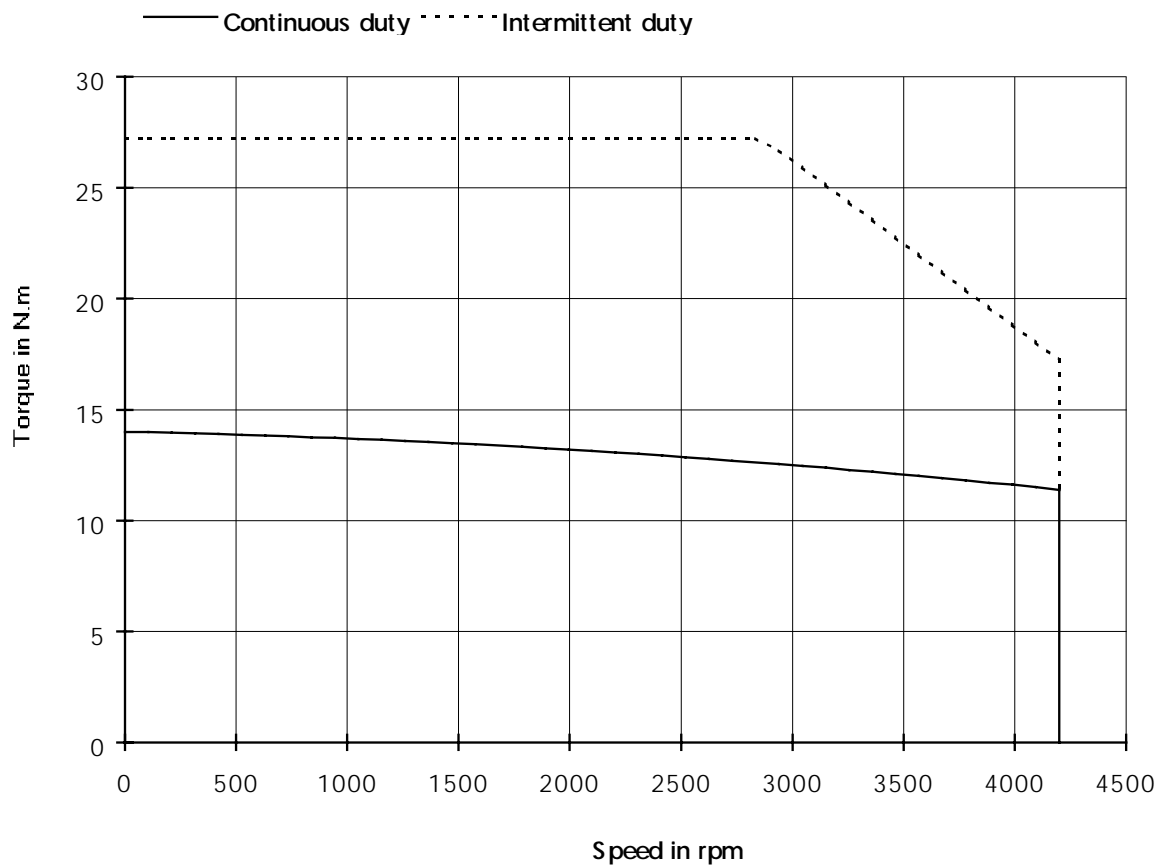
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	14	<i>N.m</i>	M_o
Max speed	4200	<i>rpm</i>	<i>N</i>
DC voltage supply when motor is loaded	540	<i>V</i>	\hat{U}
Permanent current at low speed	14.8	\hat{A}	\hat{I}_o
Peak current	32	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	124	<i>V</i>	\hat{K}_e
Torque sensitivity	0.946	<i>N.m/Ā</i>	\hat{K}_t
Winding resistance(25°C) *	1.01	Ω	<i>Rb</i>
Winding inductance *	12.9	<i>mH</i>	<i>L</i>
Rotor inertia	350	<i>kg.m².10⁻⁵</i>	<i>J</i>
Thermal time constant	40	<i>min</i>	<i>Tth</i>
Motor mass	14.6	<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: 12 janv 1995

Edition: 17/nov/1998

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