

DC-BRUSHLESS MOTOR
HS810EY
 ELECTRONIC DRIVE
DIGIVEX 8/16 - 460

PARVEX

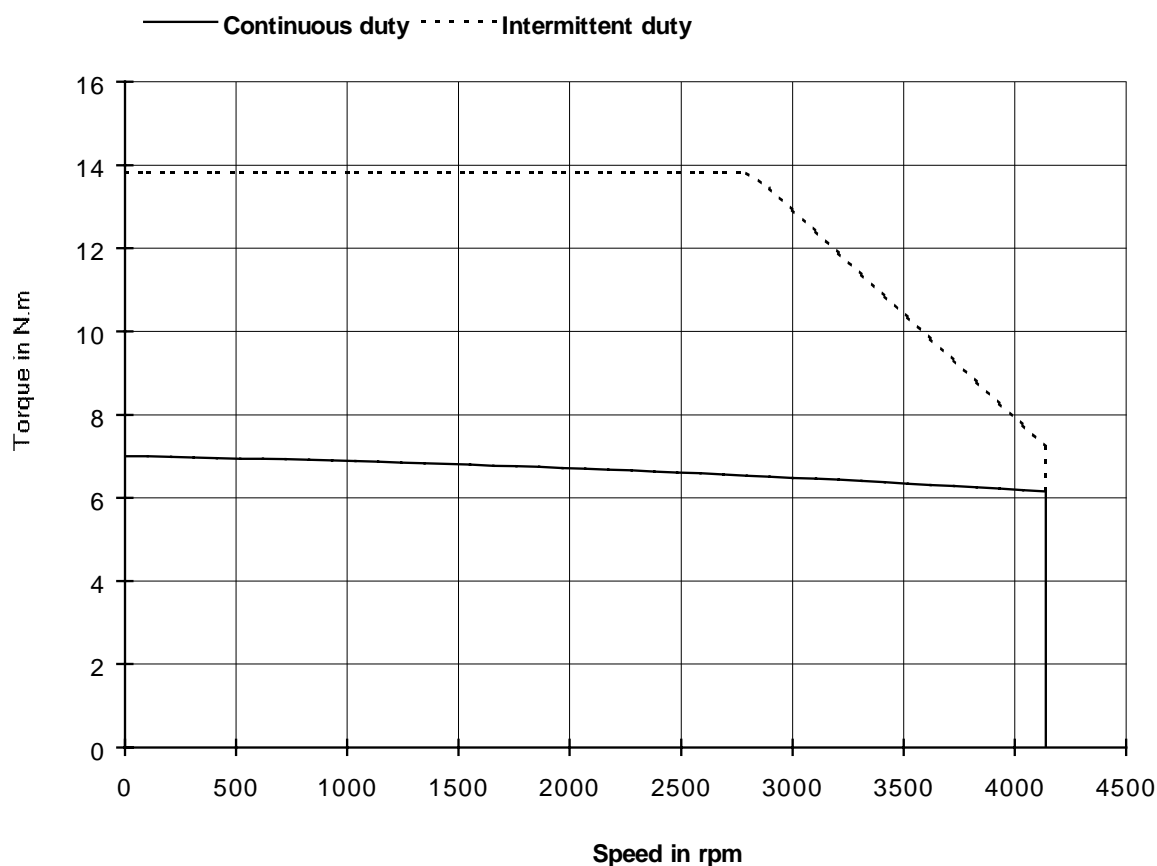
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	7	N.m	M_o
Max speed	4140	rpm	N
DC voltage supply when motor is loaded	620	V	\hat{U}
Permanent current at low speed	6.42	\hat{A}	\hat{I}_o
Peak current	14.1	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	146	V	\hat{K}_e
Torque sensitivity	1.09	N.m/ \hat{A}	\hat{K}_t
Winding resistance(25°C) *	4.2	Ω	Rb
Winding inductance *	40.2	mH	L
Rotor inertia	200	kg.m ² .10 ⁻⁵	J
Thermal time constant	30	min	Tth
Motor mass	10.4	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: 26 févr 1998

Edition: 17/nov/1998

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