

DC-BRUSHLESS MOTOR
HS610EF
 ELECTRONIC DRIVE
DIGIVEX 4/8 - 460

PARVEX

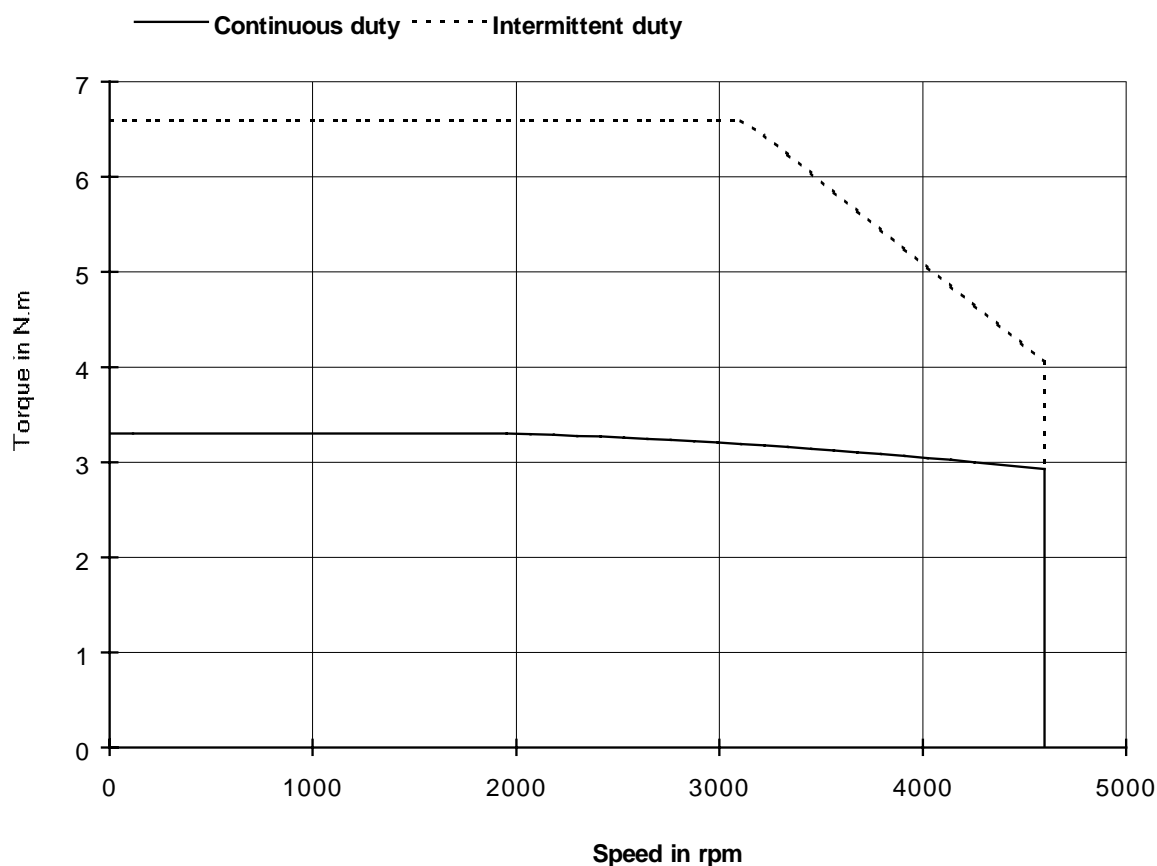
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	3.3	N.m	M_o
Max speed	4600	rpm	N
DC voltage supply when motor is loaded	620	V	\hat{U}
Permanent current at low speed	3.44	\hat{A}	\hat{I}_o
Peak current	7.56	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	131	V	\hat{K}_e
Torque sensitivity	0.96	N.m/ \hat{A}	\hat{K}_t
Winding resistance(25°C) *	12.3	Ω	R_b
Winding inductance *	58.3	mH	L
Rotor inertia	70	kg.m ² .10 ⁻⁵	J
Thermal time constant	27	min	T_{th}
Motor mass	5.5	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

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