

DC-BRUSHLESS MOTOR
HS820EQ
 ELECTRONIC DRIVE
DIGIVEX 16/32 - 460

PARVEX

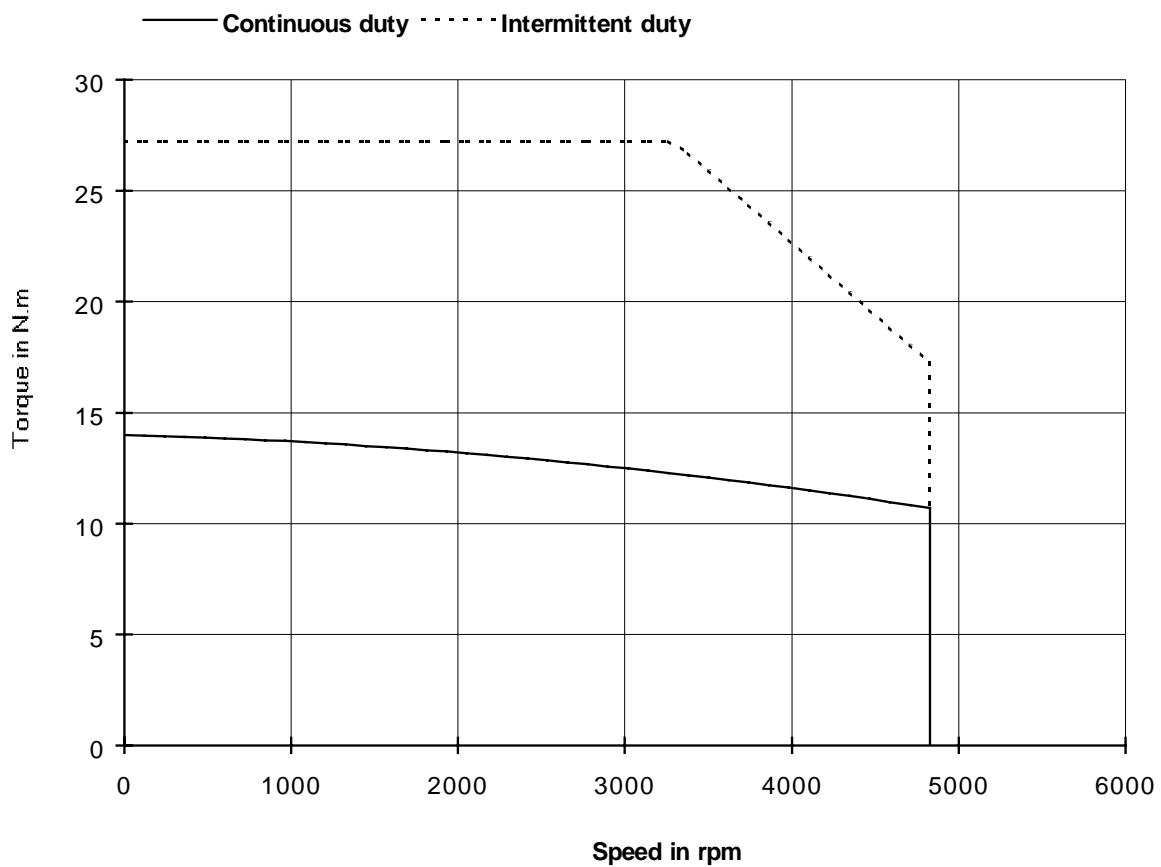
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	14	N.m	M_o
Max speed	4830	rpm	N
DC voltage supply when motor is loaded	620	V	\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	V	\hat{K}_e
Torque sensitivity	0.946	N.m/ \hat{A}	\hat{K}_t
Winding resistance(25°C) *	1.01	Ω	Rb
Winding inductance *	12.9	mH	L
Rotor inertia	350	kg.m ² .10 ⁻⁵	J
Thermal time constant	40	min	Tth
Motor mass	14.6	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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