

DC-BRUSHLESS MOTOR
HD830EK
 ELECTRONIC DRIVE
DIGIVEX 32/64 - 400

PARVEX

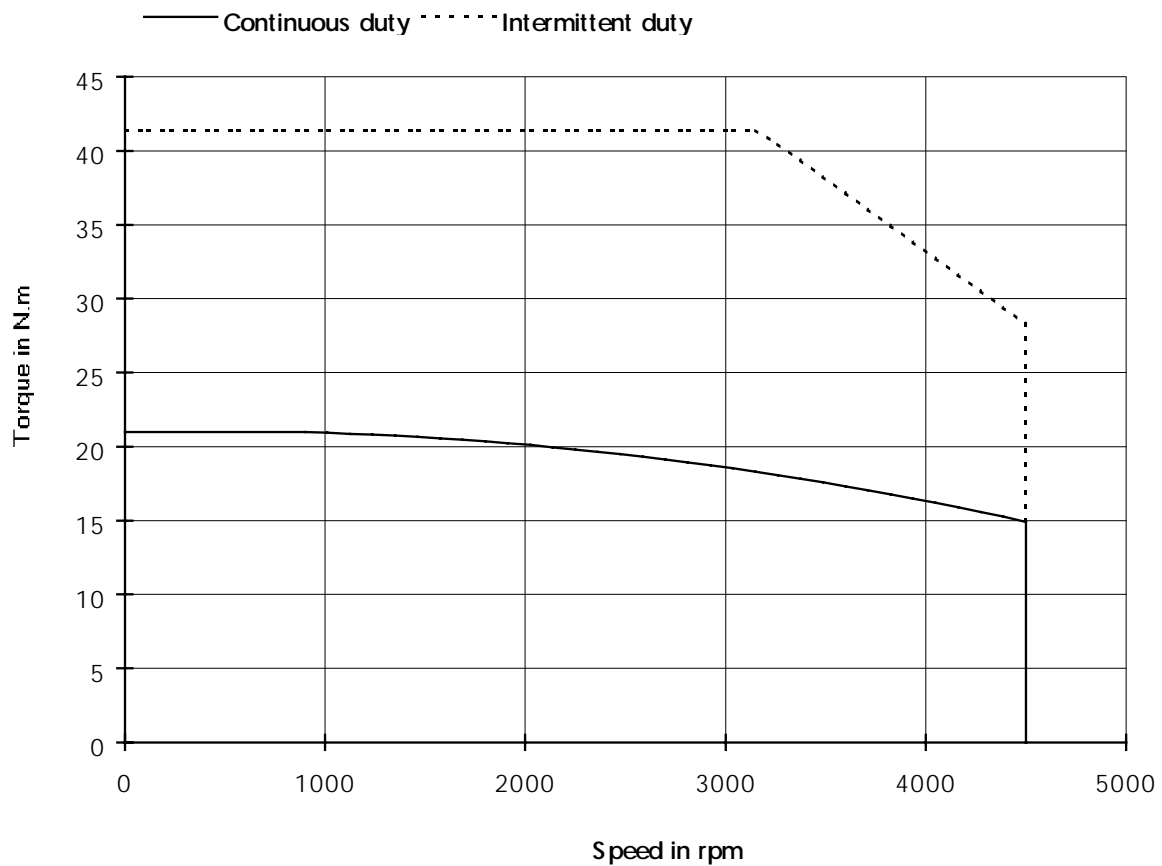
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	21	N.m	M_o
Max speed	4500	rpm	N
DC voltage supply when motor is loaded	540	V	\hat{U}
Permanent current at low speed	24.8	\hat{A}	\hat{I}_o
Peak current	54.5	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	111	V	\hat{K}_e
Torque sensitivity	0.848	N.m/ \hat{A}	\hat{K}_t
Winding resistance(25°C) *	0.455	Ω	Rb
Winding inductance *	6.6	mH	L
Rotor inertia	490	kg.m ² .10 ⁻⁵	J
Thermal time constant	50	min	Tth
Motor mass	19.5	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: 12 janv 1995

Edition: 17/nov/1998

HD830EK

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