

DC-BRUSHLESS MOTOR  
**HD830EQ**  
 ELECTRONIC DRIVE  
**DIGIVEX 16/32 - 460**

**PARVEX**

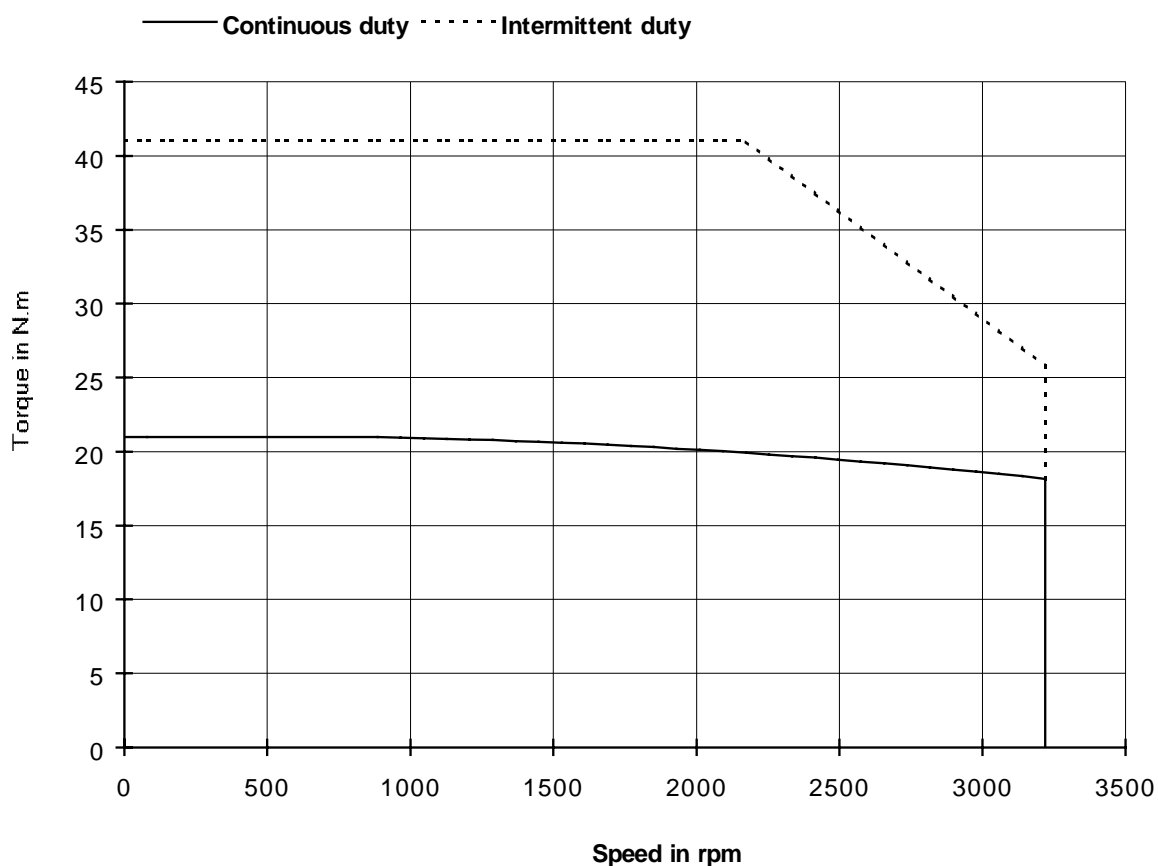
8 avenue du Lac / BP249  
 F-21007 DIJON Cedex

Low speed torque	21	N.m	$M_0$
Max speed	3220	rpm	N
DC voltage supply when motor is loaded	620	V	$\hat{U}$
Permanent current at low speed	14.7	$\hat{A}$	$\hat{I}_0$
Peak current	32	$\hat{A}$	$\hat{I}_{maxi}$
Back emf constant at 1000 rpm (25°C)*	187	V	$\hat{K}_e$
Torque sensitivity	1.43	N.m/ $\hat{A}$	$\hat{K}_t$
Winding resistance(25°C) *	1.28	$\Omega$	Rb
Winding inductance *	18.7	mH	L
Rotor inertia	490	kg.m <sup>2</sup> .10 <sup>-5</sup>	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: 26 févr 1998

Edition: 17/nov/1998

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