

DC-BRUSHLESS MOTOR
HS920EL
 ELECTRONIC DRIVE
DIGIVEX 32/64 - 460

PARVEX

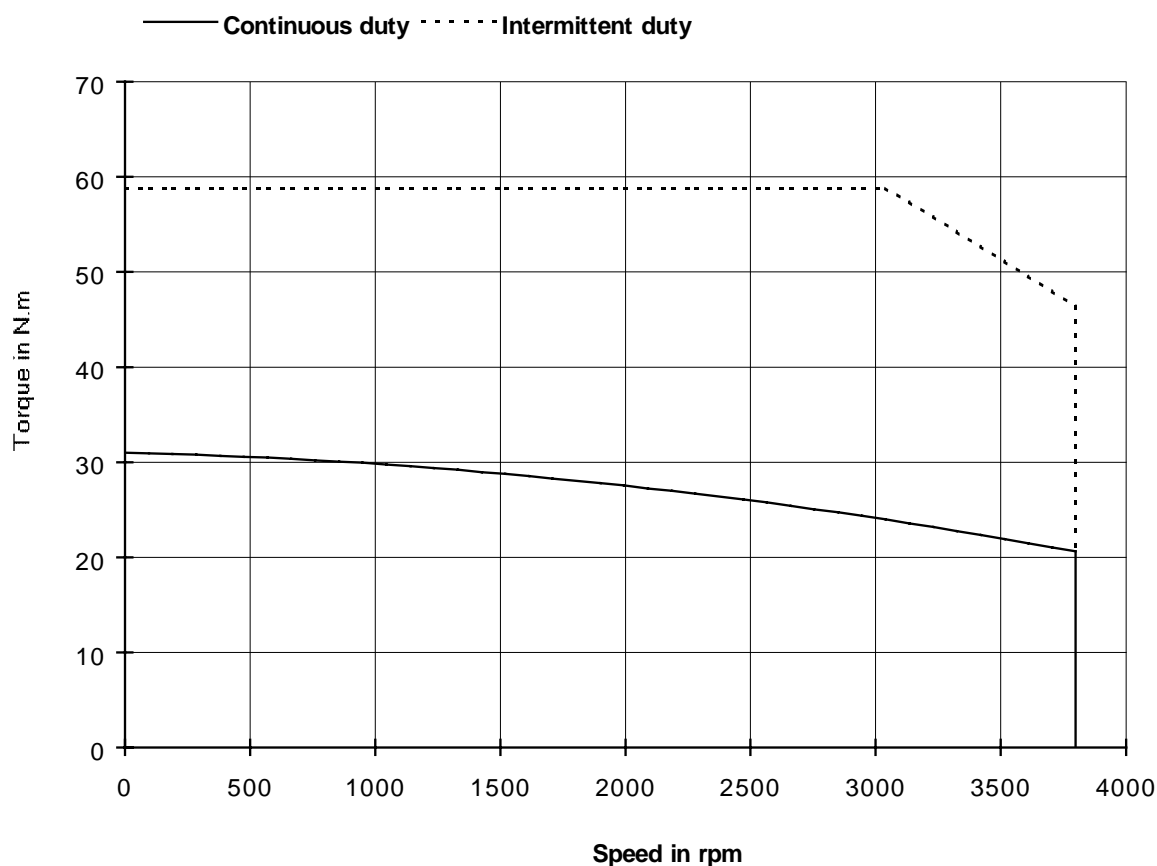
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	31	N.m	M_o
Max speed	3800	rpm	N
DC voltage supply when motor is loaded	620	V	\hat{U}
Permanent current at low speed	30	\hat{A}	\hat{I}_o
Peak current	64	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	137	V	\hat{K}_e
Torque sensitivity	1.03	N.m/ \hat{A}	\hat{K}_t
Winding resistance(25°C) *	0.36	Ω	Rb
Winding inductance *	6.08	mH	L
Rotor inertia	1200	kg.m ² .10 ⁻⁵	J
Thermal time constant	55	min	Tth
Motor mass	25.2	kg	M

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents given in peak values



FICHE-005

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