BRUSHLESS MOTOR

EX310EAP

ELECTRONIC DRIVE

DIGIVEX 2/4 - 400

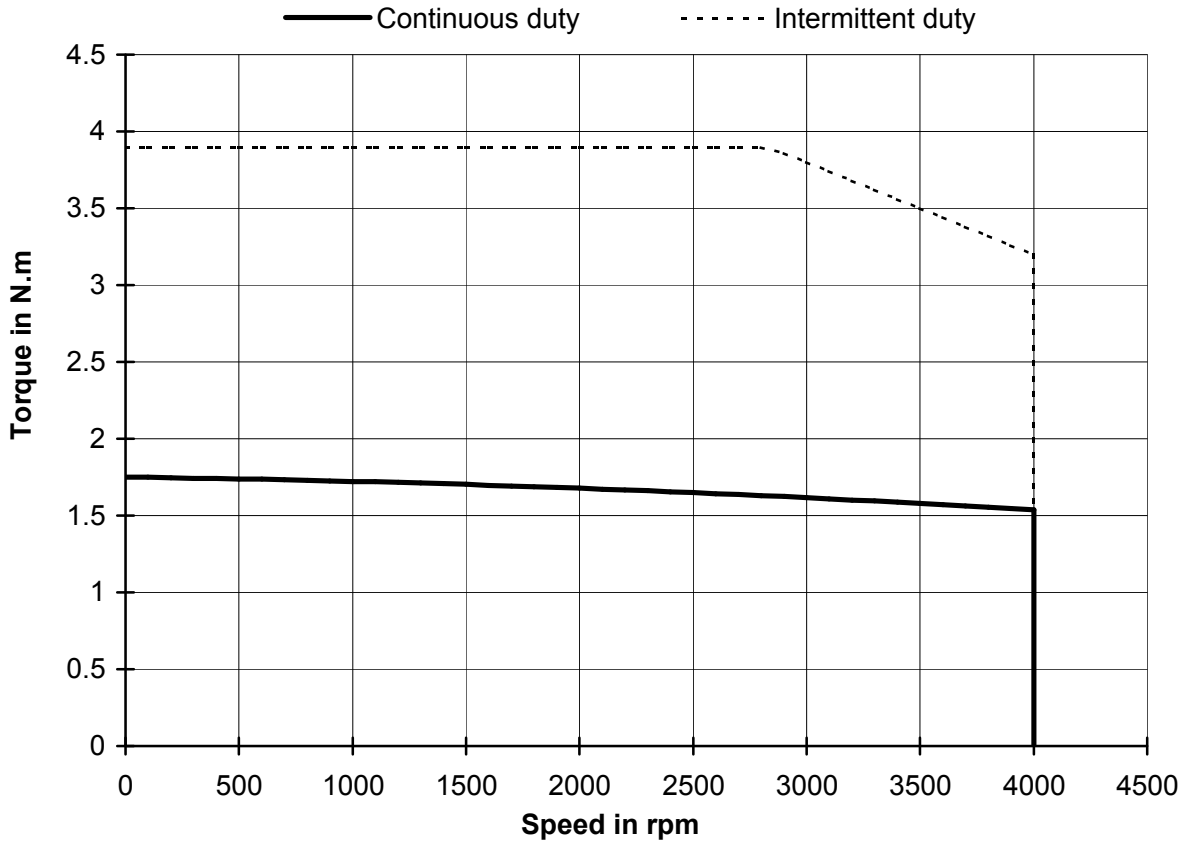
SSD DRIVES
PARVEX

Low speed torque	**1.75**	N.m	M ₀
Max speed	**4000**	rpm	N
DC voltage supply when motor is loaded	**540**	V	Û
Permanent current at low speed	**1.75**	Â	Î ₀
Peak current	**4**	Â	Îmaxi
Back emf constant at 1000 rpm (25°C)*	**126**	V	$\hat{Ke}$
Torque sensitivity	**1**	N.m/Â	$\hat{Kt}$
Winding resistance(25°C) *	**20.7**	Ω	Rb
Winding inductance *	**62**	mH	L
Rotor inertia	**7.9**	$kg.m^2 \times 10^{-5}$	J
Thermal time constant	**20**	min	Tth
Motor mass	**2.4**	kg	M

All data are given in typical values under standard conditions

** Phase to phase*

Voltages and currents given in peak values



Characteristics are given for an optimal drive of the motor