BRUSHLESS MOTOR

EX630EAN

ELECTRONIC DRIVE

DIGIVEX 16/32 - 400

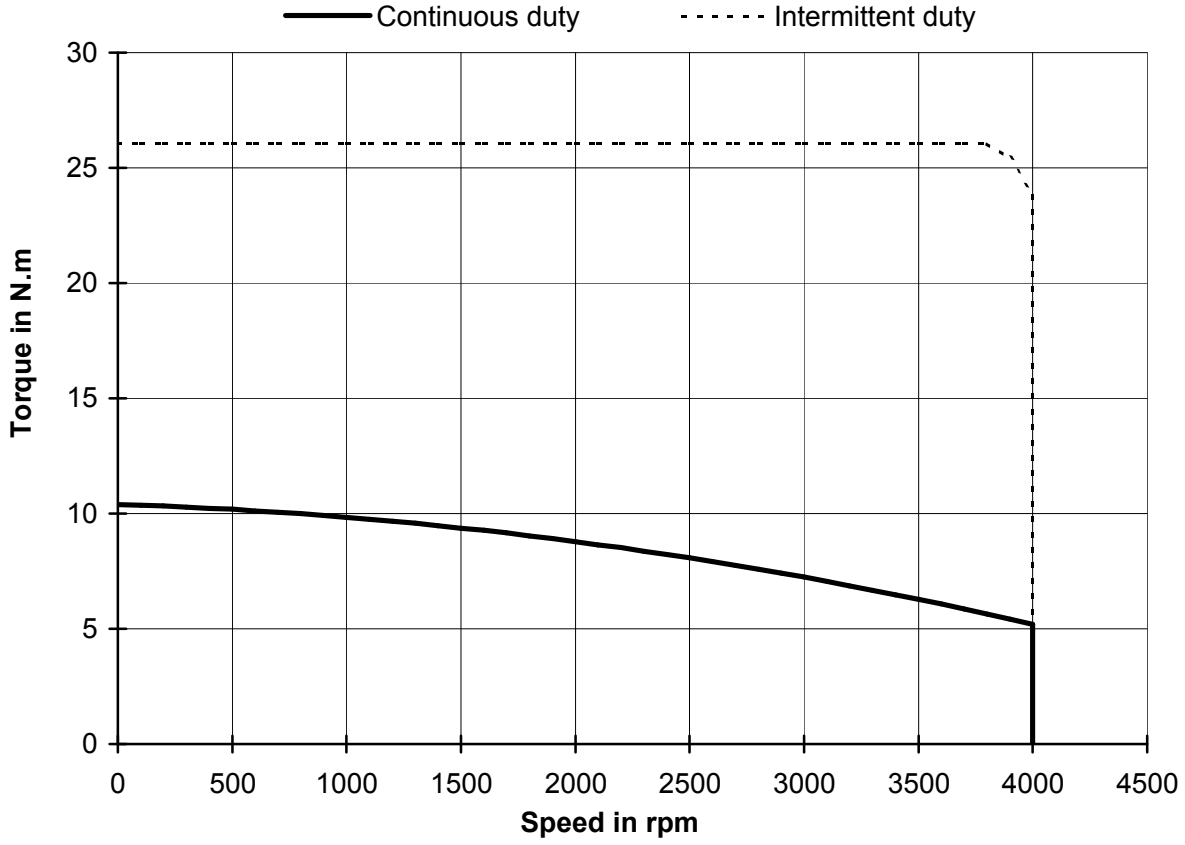
SSD DRIVES
PARVEX

Low speed torque	**10.4**	N.m	M ₀
Max speed	**4000**	rpm	N
DC voltage supply when motor is loaded	**540**	V	Û
Permanent current at low speed	**10.6**	Â	Î ₀
Peak current	**26.5**	Â	Îmaxi
Back emf constant at 1000 rpm (25°C)*	**126**	V	$\hat{Ke}$
Torque sensitivity	**0.982**	N.m/Â	$\hat{Kt}$
Winding resistance(25°C) *	**1.12**	Ω	Rb
Winding inductance *	**10.9**	mH	L
Rotor inertia	**147**	$kg.m^2 \times 10^{-5}$	J
Thermal time constant	**33**	min	Tth
Motor mass	**12.5**	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