BRUSHLESS MOTOR

EX860EAJ

ELECTRONIC DRIVE

DIGIVEX 32/64 - 400

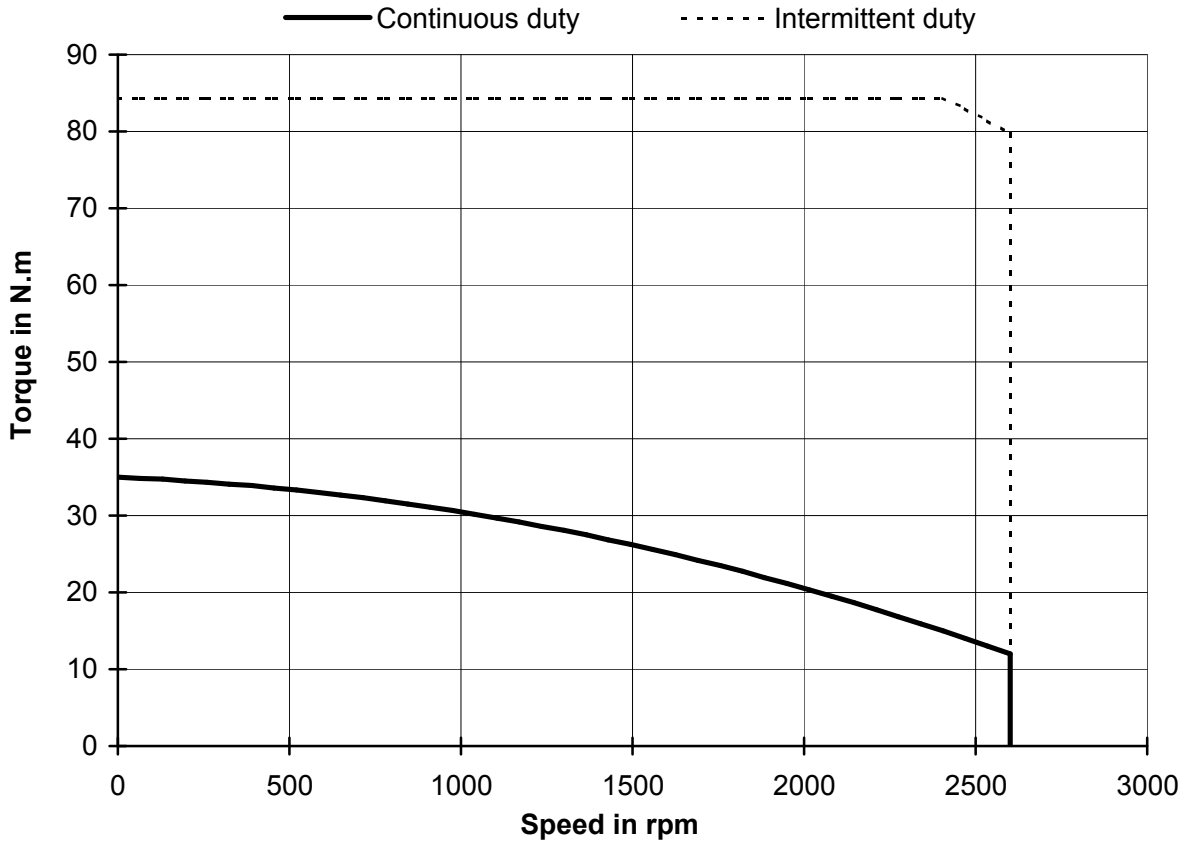
PARVEX

Low speed torque	**35**	N.m	M ₀
Max speed	**2600**	rpm	N
DC voltage supply when motor is loaded	**540**	V	Û
Permanent current at low speed	**22.4**	Â	Î ₀
Peak current	**56**	Â	Îmaxi
Back emf constant at 1000 rpm (25°C)*	**196**	V	$\hat{Ke}$
Torque sensitivity	**1.56**	N.m/Â	$\hat{Kt}$
Winding resistance(25°C) *	**0.499**	Ω	Rb
Winding inductance *	**6.43**	mH	L
Rotor inertia	**920**	$kg.m^2 \times 10^{-5}$	J
Thermal time constant	**60**	min	Tth
Motor mass	**40**	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