

BRUSHLESS MOTOR
EX820EAR
 ELECTRONIC DRIVE
DIGIVEX 16/32 - 400

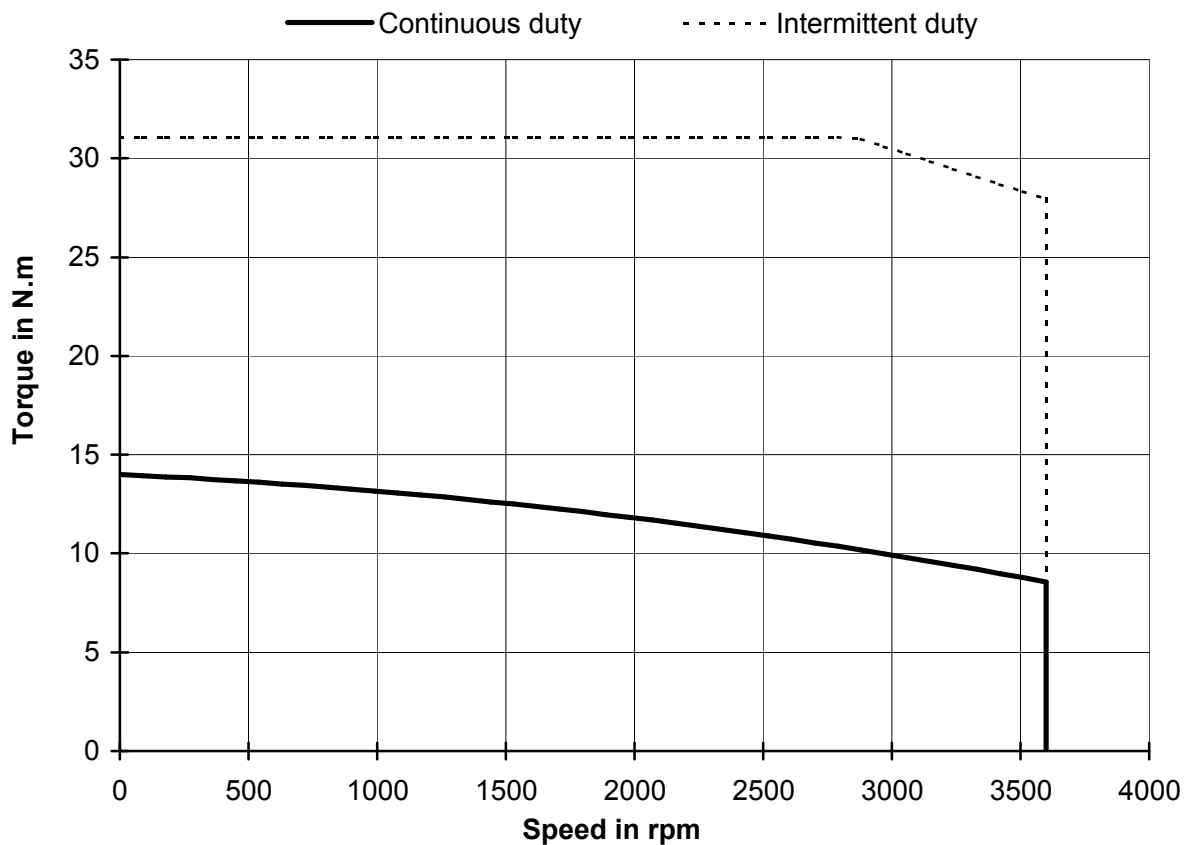


Low speed torque	14	N.m	M_o
Max speed	3600	rpm	N
DC voltage supply when motor is loaded	540	V	\hat{U}
Permanent current at low speed	13.7	\hat{A}	\hat{I}_o
Peak current	32	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	129	V	\hat{K}_e
Torque sensitivity	1.02	N.m/ \hat{A}	\hat{K}_t
Winding resistance(25°C) *	1.01	Ω	Rb
Winding inductance *	8.57	mH	L
Rotor inertia	320	kg.m ² x 10 ⁻⁵	J
Thermal time constant	34	min	Tth
Motor mass	24	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

FICHE-009