

BRUSHLESS MOTOR
EX630EAI
 ELECTRONIC DRIVE
DIGIVEX 15/30 - 230

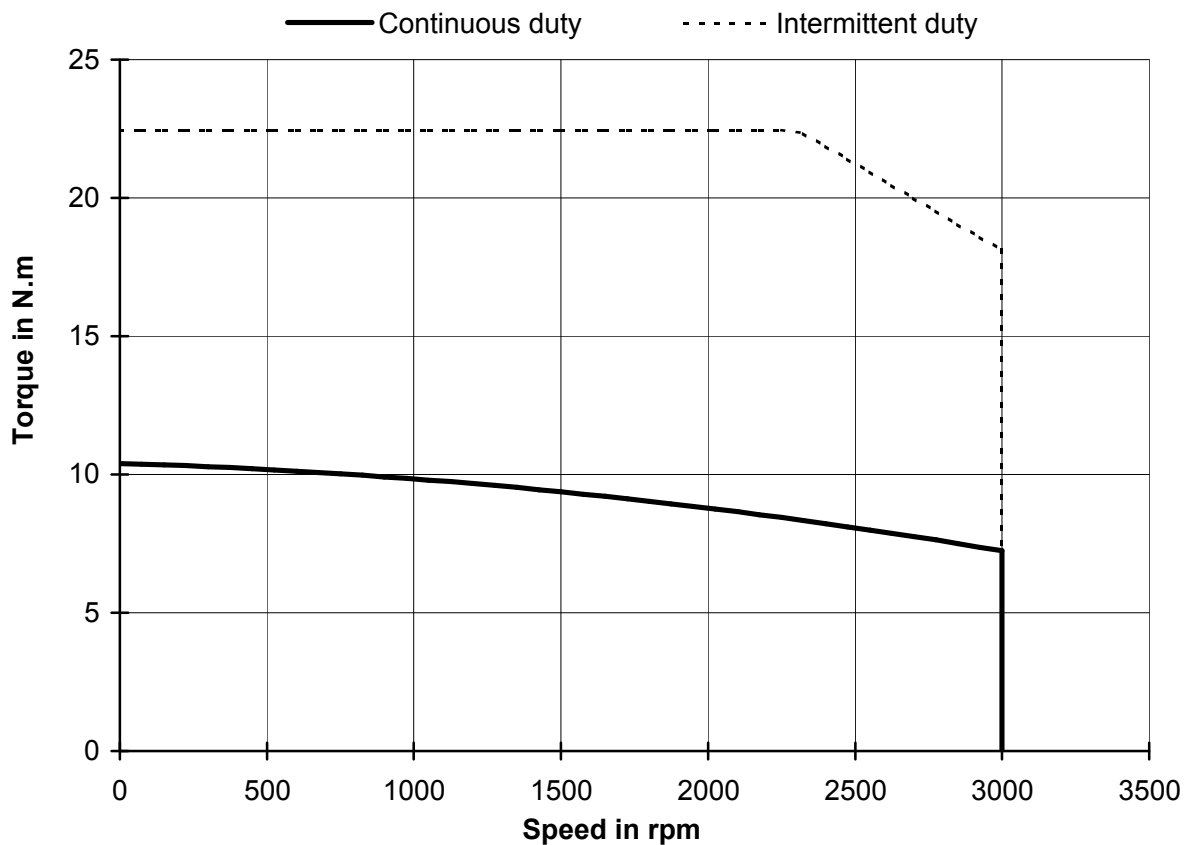


Low speed torque	10.4	N.m	M_o
Max speed	3000	rpm	N
DC voltage supply when motor is loaded	310	V	\hat{U}
Permanent current at low speed	14.2	\hat{A}	\hat{I}_o
Peak current	30	\hat{A}	\hat{I}_{maxi}
Back emf constant at 1000 rpm (25°C)*	94.1	V	\hat{K}_e
Torque sensitivity	0.731	N.m/ \hat{A}	\hat{K}_t
Winding resistance(25°C) *	0.595	Ω	Rb
Winding inductance *	6.06	mH	L
Rotor inertia	147	kg.m ² × 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

FICHE-009