

BRUSHLESS MOTOR
EX860EAD
 ELECTRONIC DRIVE
DIGIVEX 60/100 - 230

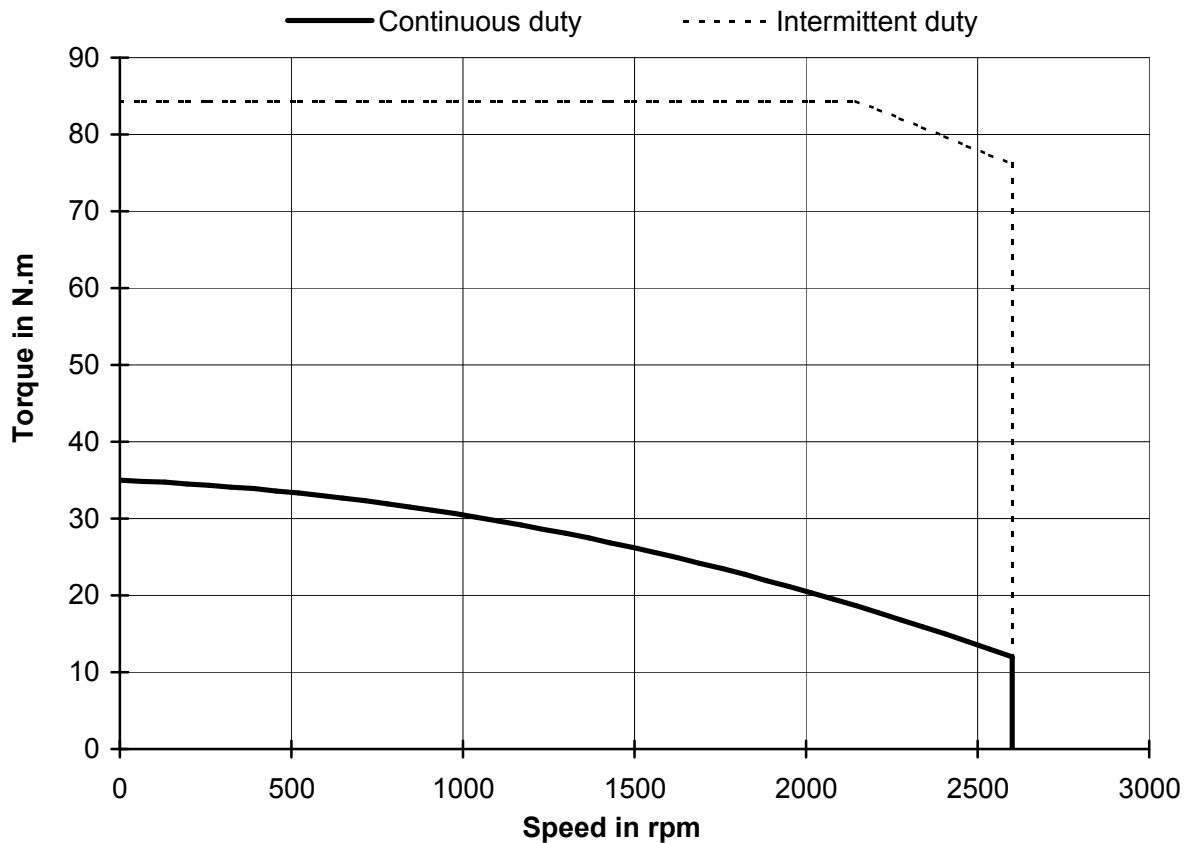


Low speed torque	35	N.m	M _o
Max speed	2600	rpm	N
DC voltage supply when motor is loaded	310	V	Û
Permanent current at low speed	39.8	Â	Î _o
Peak current	99.5	Â	Î _{maxi}
Back emf constant at 1000 rpm (25°C)*	110	V	K _e
Torque sensitivity	0.879	N.m/Â	K _t
Winding resistance(25°C) *	0.156	Ω	R _b
Winding inductance *	2.03	mH	L
Rotor inertia	920	kg.m ² × 10 ⁻⁵	J
Thermal time constant	60	min	T _{th}
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

FICHE-009