

BRUSHLESS MOTOR
EX630EAY
 ELECTRONIC DRIVE
DIGIVEX 8/16 - 400

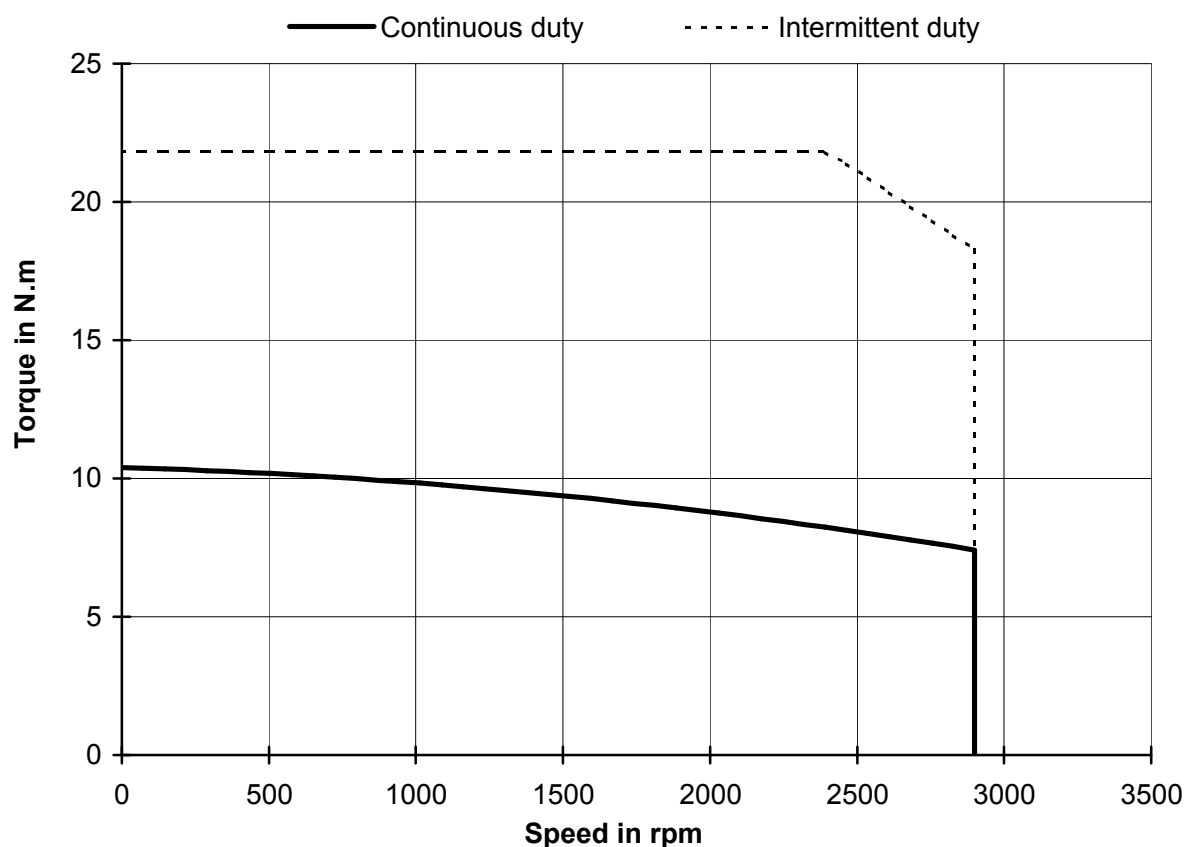


Low speed torque	10.4	N.m	M _o
Max speed	2900	rpm	N
DC voltage supply when motor is loaded	540	V	Û
Permanent current at low speed	7.83	Â	Î _o
Peak current	16	Â	Î _{maxi}
Back emf constant at 1000 rpm (25°C)*	171	V	K _e
Torque sensitivity	1.33	N.m/Â	K _t
Winding resistance(25°C) *	1.94	Ω	R _b
Winding inductance *	20	mH	L
Rotor inertia	147	kg.m ² × 10 ⁻⁵	J
Thermal time constant	33	min	T _{th}
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

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