

BRUSHLESS MOTOR
EX430EAL
 ELECTRONIC DRIVE
DIGIVEX 8/16 - 400

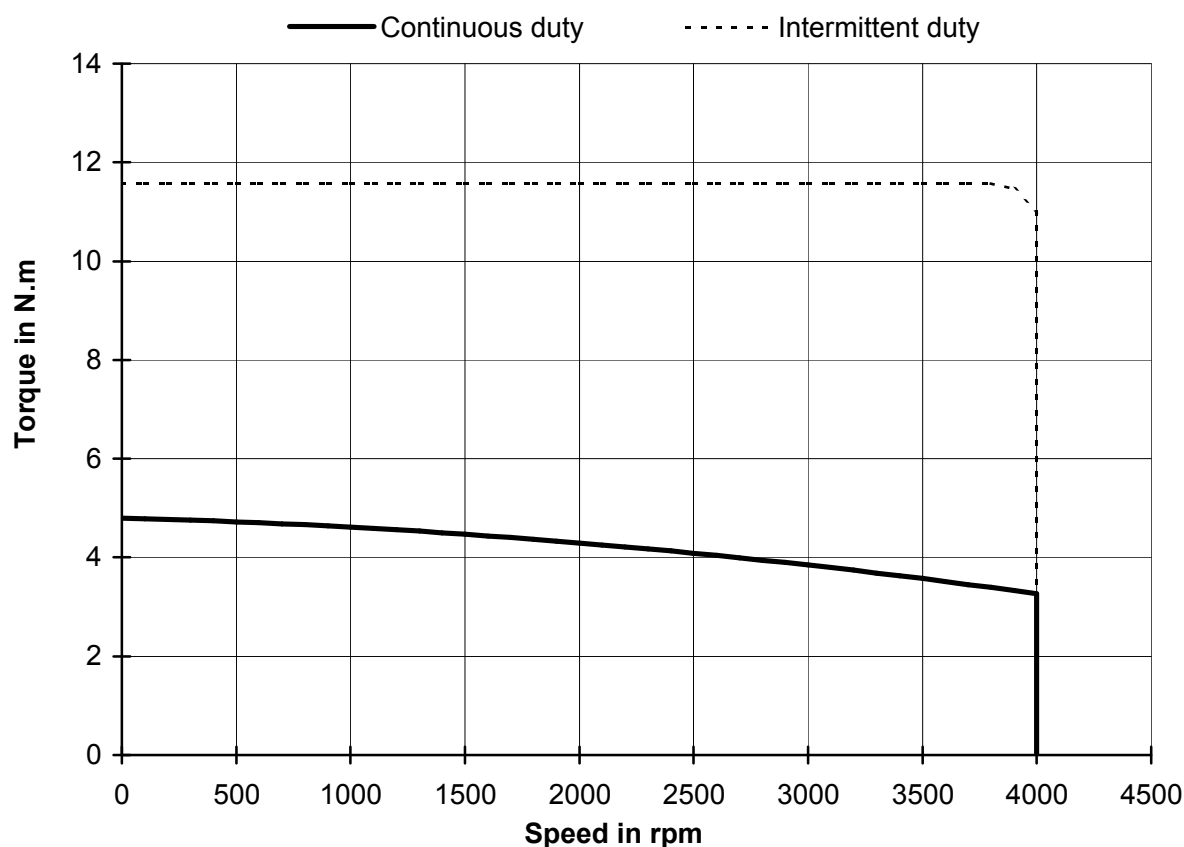


Low speed torque	4.8	N.m	M _o
Max speed	4000	rpm	N
DC voltage supply when motor is loaded	540	V	Û
Permanent current at low speed	4.67	Â	Î _o
Peak current	11.7	Â	Î _{maxi}
Back emf constant at 1000 rpm (25°C)*	129	V	K _e
Torque sensitivity	1.03	N.m/Â	K _t
Winding resistance(25°C) *	4.53	Ω	R _b
Winding inductance *	21	mH	L
Rotor inertia	42.6	kg.m ² × 10 ⁻⁵	J
Thermal time constant	18	min	T _{th}
Motor mass	7	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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