

BRUSHLESS MOTOR
EX840EAK
 ELECTRONIC DRIVE
DIGIVEX 32/64 - 400

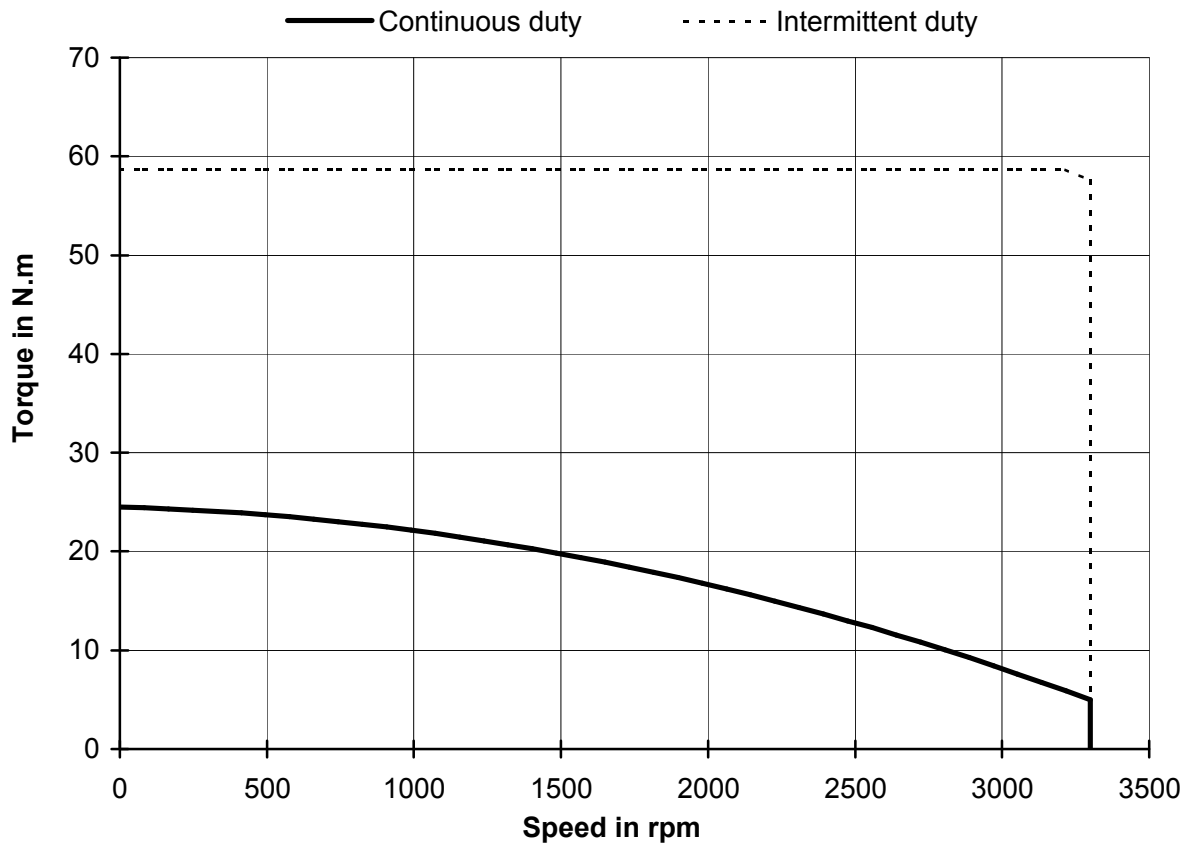


Low speed torque	24.5	N.m	M _o
Max speed	3300	rpm	N
DC voltage supply when motor is loaded	540	V	Û
Permanent current at low speed	20.9	Â	Î _o
Peak current	52.3	Â	Î _{maxi}
Back emf constant at 1000 rpm (25°C)*	147	V	K _e
Torque sensitivity	1.17	N.m/Â	K _t
Winding resistance(25°C) *	0.493	Ω	R _b
Winding inductance *	5.42	mH	L
Rotor inertia	620	kg.m ² × 10 ⁻⁵	J
Thermal time constant	52	min	T _{th}
Motor mass	32	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