

BRUSHLESS MOTORS
NX310EAK
ELECTRONIC DRIVE (1)
DIGIVEX 4/8

(230 V)

(400 V)



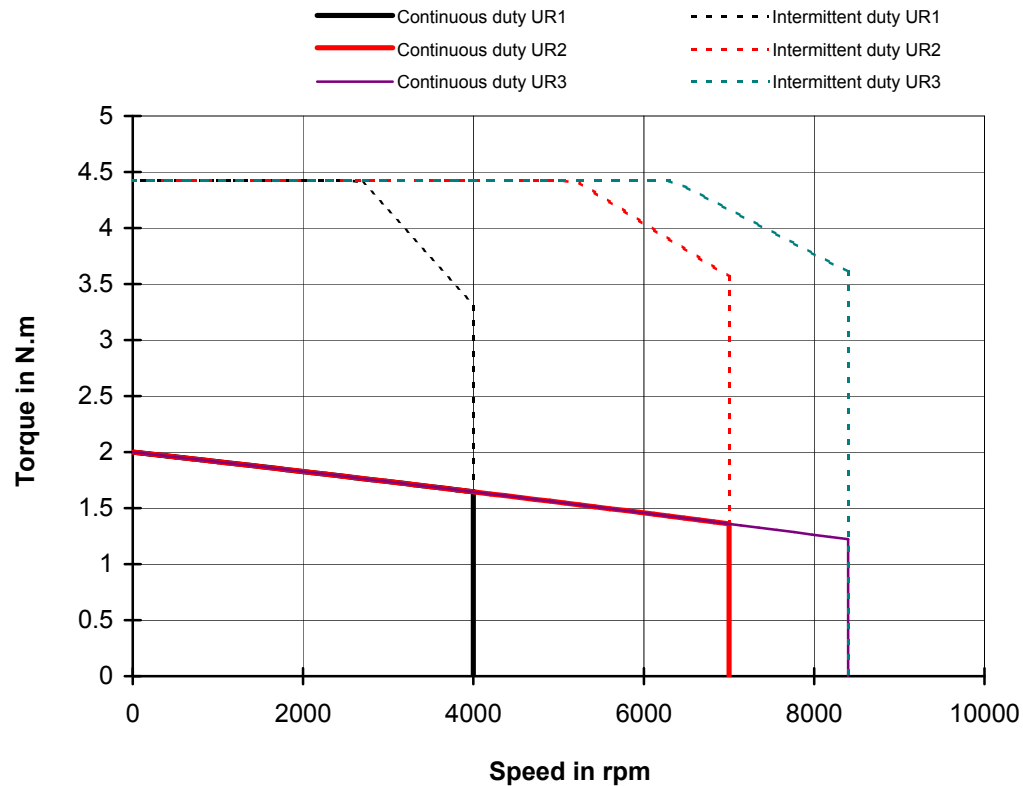
Torque at low speed	M_o	Nm	2
Permanent current at low speed	I_o	A_{rms}	2.43
Peak torque	M_p	Nm	6.6
Current for the peak torque	I_p	A_{rms}	9.71
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	50.9
Torque sensitivity	K_t	Nm/A_{rms}	0.823
Winding resistance (25°C)*	R_b	Ω	6.58
Winding inductance*	L	mH	20.3
Rotor inertia	J	$kgm^2 \times 10^{-5}$	7.9
Thermal time constant	T_{th}	min	20
Motor mass	M	kg	2.1
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230 400 480
Rated speed	Nn1 Nn2 Nn3	rpm	4000 7000 8400
Rated torque	Mn1 Mn2 Mn3	Nm	1.65 1.36 1.22
Rated current	In1 In2 In3	A_{rms}	2.06 1.76 1.61
Rated power	Pn1 Pn2 Pn3	W	690 1000 1070

All data are given in typical values under standard conditions

* Phase to phase

(1) Please check the availability of this drive with 480 V

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor

FICHE-009

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