

BRUSHLESS MOTORS
NX310EAP
ELECTRONIC DRIVE (1)
DIGIVEX 2/4

(230 V)

(400 V)



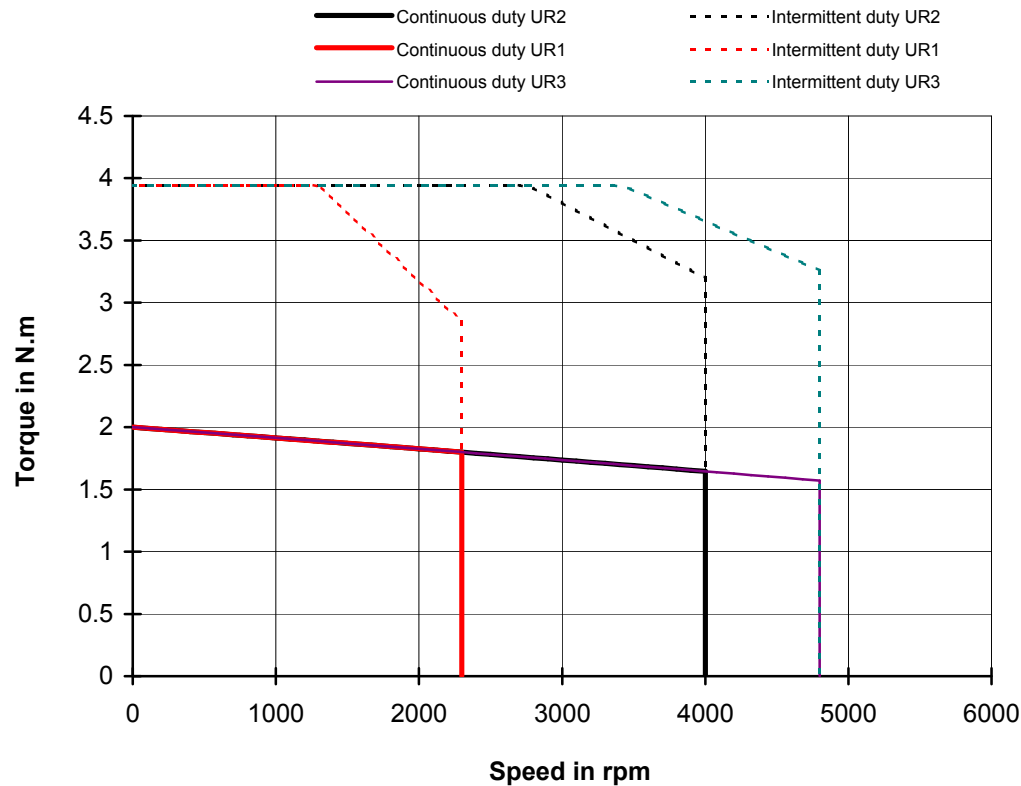
Torque at low speed	M_o	Nm	2
Permanent current at low speed	I_o	A_{rms}	1.39
Peak torque	M_p	Nm	6.6
Current for the peak torque	I_p	A_{rms}	5.56
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	88.9
Torque sensitivity	K_t	Nm/A_{rms}	1.44
Winding resistance (25°C)*	R_b	Ω	20.7
Winding inductance*	L	mH	62
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	2300 4000 4800
Rated torque	Mn1 Mn2 Mn3	Nm	1.80 1.65 1.57
Rated current	In1 In2 In3	A_{rms}	1.27 1.18 1.13
Rated power	Pn1 Pn2 Pn3	W	430 690 790

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