

BRUSHLESS MOTORS
NX210EAT
ELECTRONIC DRIVE
DIGIVEX 2/4

(230 V)

(400 V)

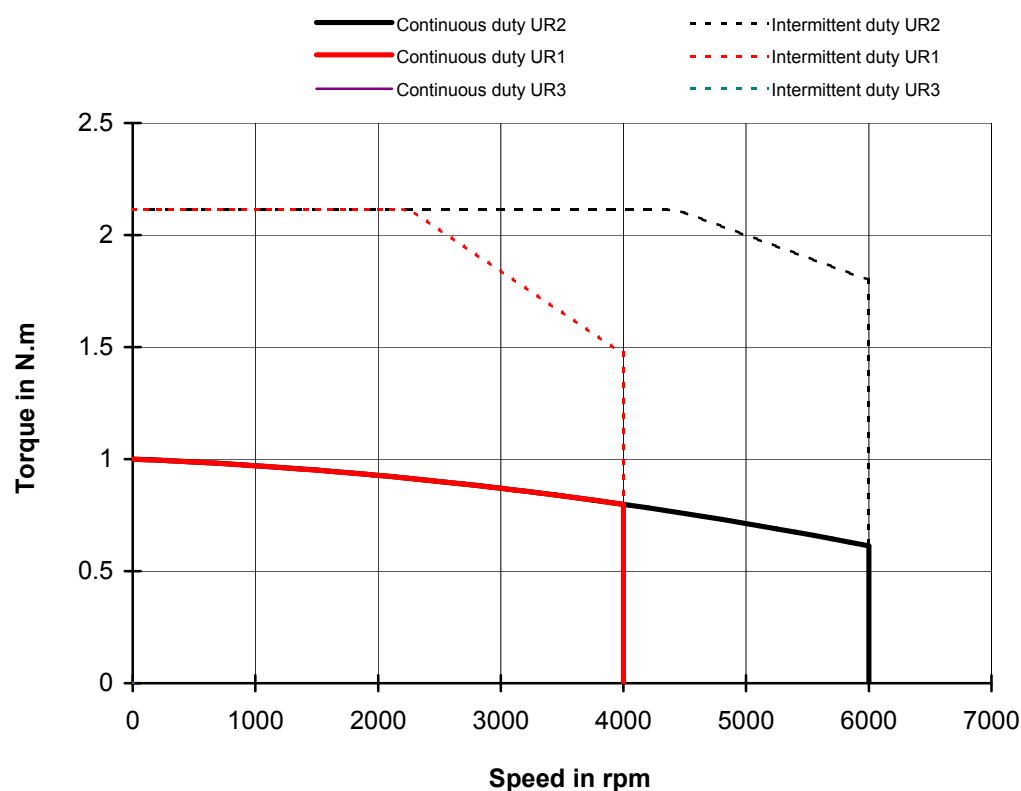


Torque at low speed	M_o	Nm	1
Permanent current at low speed	I_o	A_{rms}	1.33
Peak torque	M_p	Nm	3.4
Current for the peak torque	I_p	A_{rms}	5.35
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	48.6
Torque sensitivity	K_t	Nm/A_{rms}	0.75
Winding resistance (25°C)*	R_b	Ω	16.3
Winding inductance*	L	mH	56
Rotor inertia	J	$kgm^2 \times 10^{-5}$	3.8
Thermal time constant	T_{th}	sec	350
Motor mass	M	kg	1.3
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230 400 -
Rated speed	Nn1 Nn2 Nn3	rpm	4000 6000 -
Rated torque	Mn1 Mn2 Mn3	Nm	0.80 0.61 -
Rated current	In1 In2 In3	A_{rms}	1.11 0.89 -
Rated power	Pn1 Pn2 Pn3	W	330 390 -

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor

FICHE-009

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