

BRUSHLESS MOTORS
NX210EAP
ELECTRONIC DRIVE
DIGIVEX 4/8

(230 V)

(400 V)

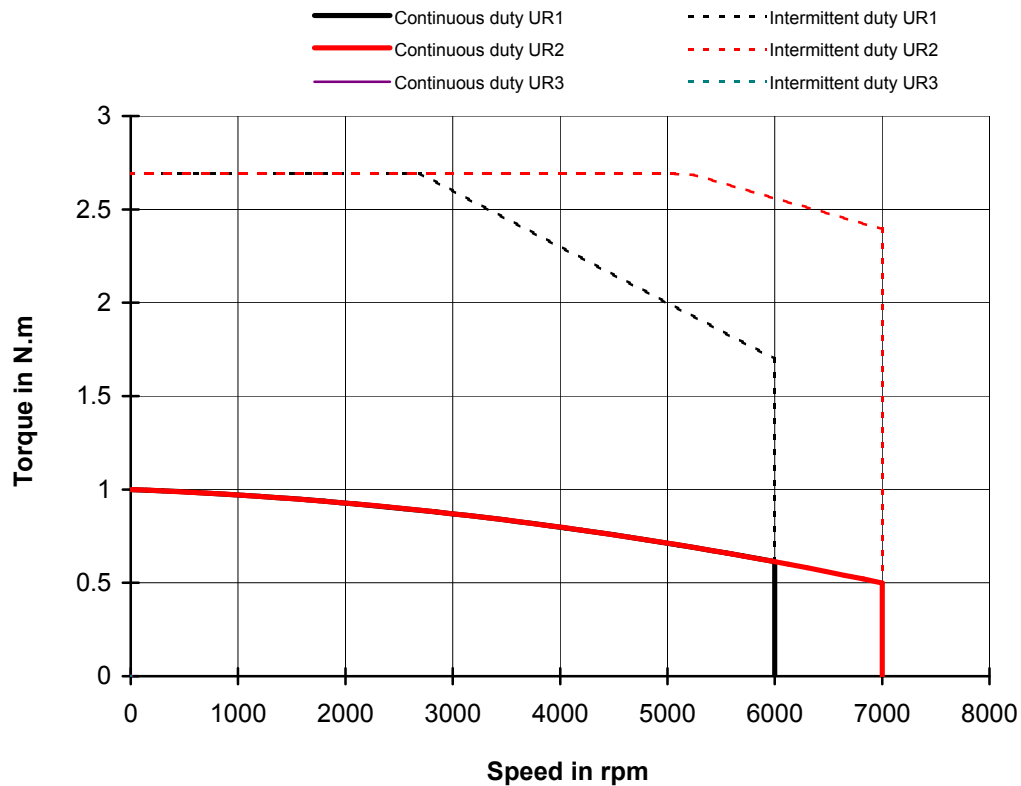


Torque at low speed	M_o	Nm	1		
Permanent current at low speed	I_o	A_{rms}	1.99		
Peak torque	M_p	Nm	3.4		
Current for the peak torque	I_p	A_{rms}	7.96		
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	32.6		
Torque sensitivity	K_t	Nm/A_{rms}	0.503		
Winding resistance (25°C)*	R_b	Ω	7.74		
Winding inductance*	L	mH	25.2		
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	6000	7000	-
Rated torque	Mn1 Mn2 Mn3	Nm	0.61	0.50	-
Rated current	In1 In2 In3	A_{rms}	1.32	1.11	-
Rated power	Pn1 Pn2 Pn3	W	390	370	-

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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