

BRUSHLESS MOTORS
NX820EAR
ELECTRONIC DRIVE (1)
DIGIVEX 15/30 et DIGIVEX 16/32
(230 V) (400 V)



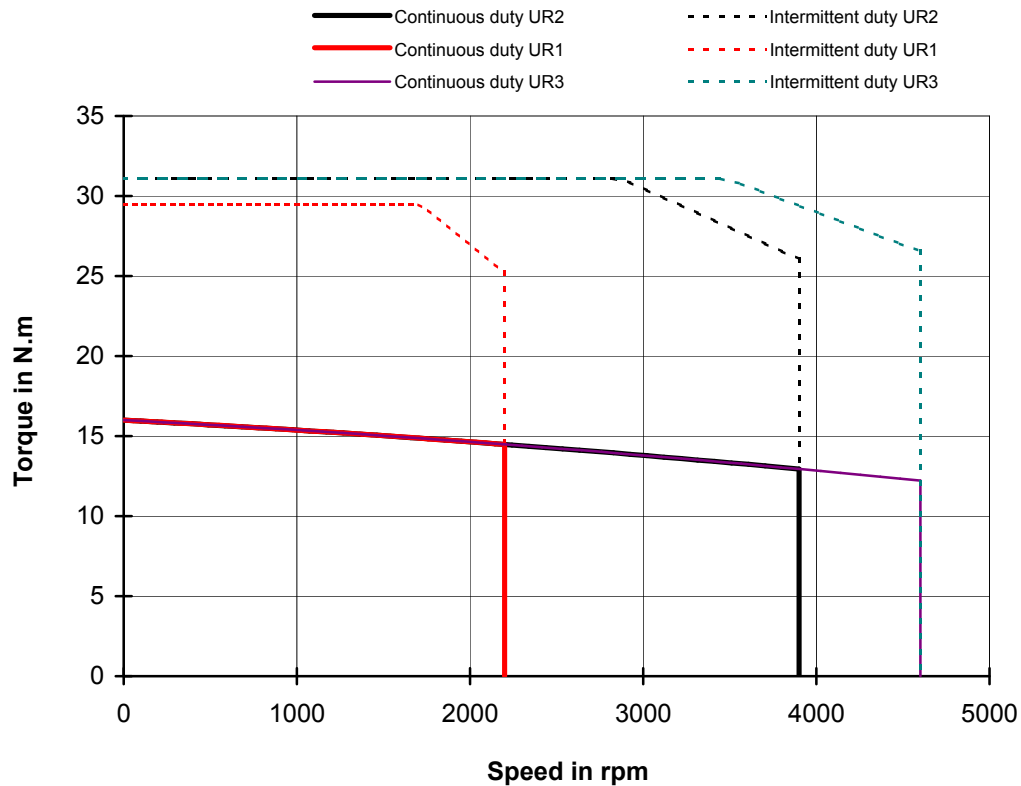
Torque at low speed	M_o	Nm	16		
Permanent current at low speed	I_o	A_{rms}	11		
Peak torque	M_p	Nm	50		
Current for the peak torque	I_p	A_{rms}	43.2		
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	91		
Torque sensitivity	K_t	Nm/A_{rms}	1.46		
Winding resistance (25°C)*	R_b	Ω	1.01		
Winding inductance*	L	mH	8.57		
Rotor inertia	J	$kgm^2 \times 10^{-5}$	320		
Thermal time constant	T_{th}	min	34		
Motor mass	M	kg	13		
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230	400	480
Rated speed	Nn1 Nn2 Nn3	rpm	2200	3900	4600
Rated torque	Mn1 Mn2 Mn3	Nm	14.48	12.94	12.22
Rated current	In1 In2 In3	A_{rms}	10.04	9.07	8.62
Rated power	Pn1 Pn2 Pn3	W	3340	5290	5880

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

Création: 05 mars 2001

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