

BRUSHLESS MOTORS
NX620EAR
ELECTRONIC DRIVE (1)
DIGIVEX 7.5/15 et DIGIVEX 8/16
(230 V) (400 V)



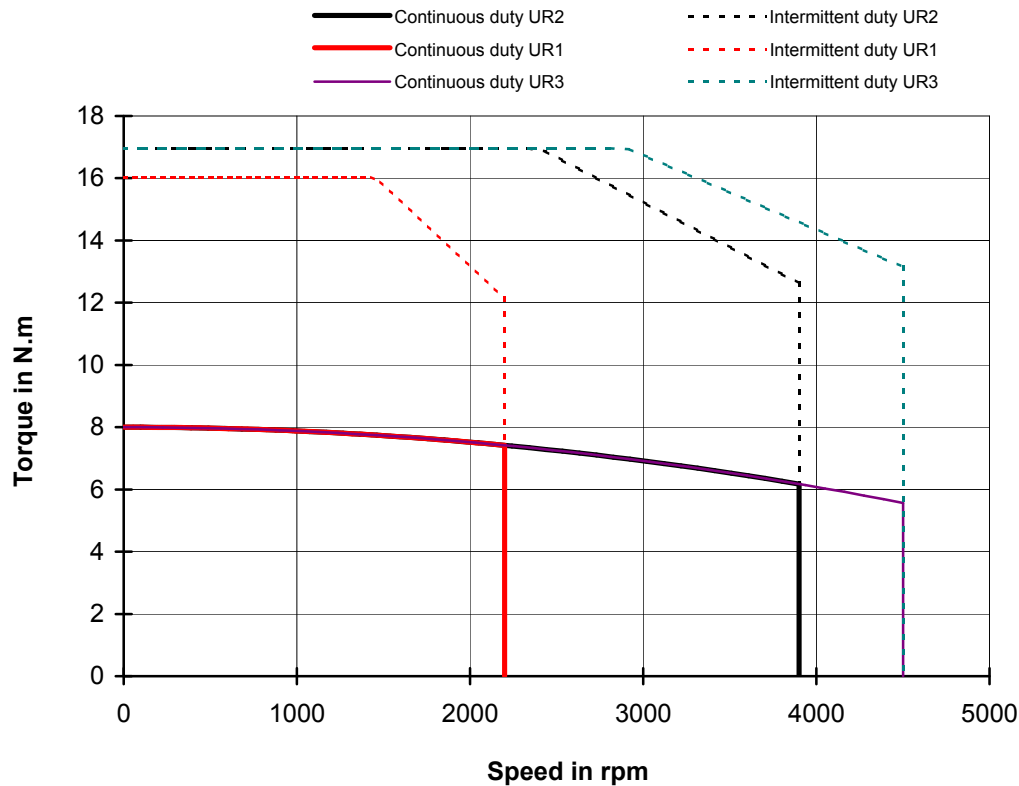
Torque at low speed	M_o	Nm	8		
Permanent current at low speed	I_o	A_{rms}	5.31		
Peak torque	M_p	Nm	26.7		
Current for the peak torque	I_p	A_{rms}	21.2		
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	95.7		
Torque sensitivity	K_t	Nm/A_{rms}	1.51		
Winding resistance (25°C)*	R_b	Ω	2.24		
Winding inductance*	L	mH	19.2		
Rotor inertia	J	$kgm^2 \times 10^{-5}$	98		
Thermal time constant	T_{th}	min	27		
Motor mass	M	kg	7		
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230	400	480
Rated speed	Nn1 Nn2 Nn3	rpm	2200	3900	4500
Rated torque	Mn1 Mn2 Mn3	Nm	7.42	6.17	5.57
Rated current	In1 In2 In3	A_{rms}	4.99	4.25	3.89
Rated power	Pn1 Pn2 Pn3	W	1710	2520	2620

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: 04 avr 2000

Edition: 10/févr/2005

NX620EAR

.a