

BRUSHLESS MOTORS
NX620EAJ
ELECTRONIC DRIVE (1)
DIGIVEX 15/30 et DIGIVEX 16/32
(230 V) (400 V)



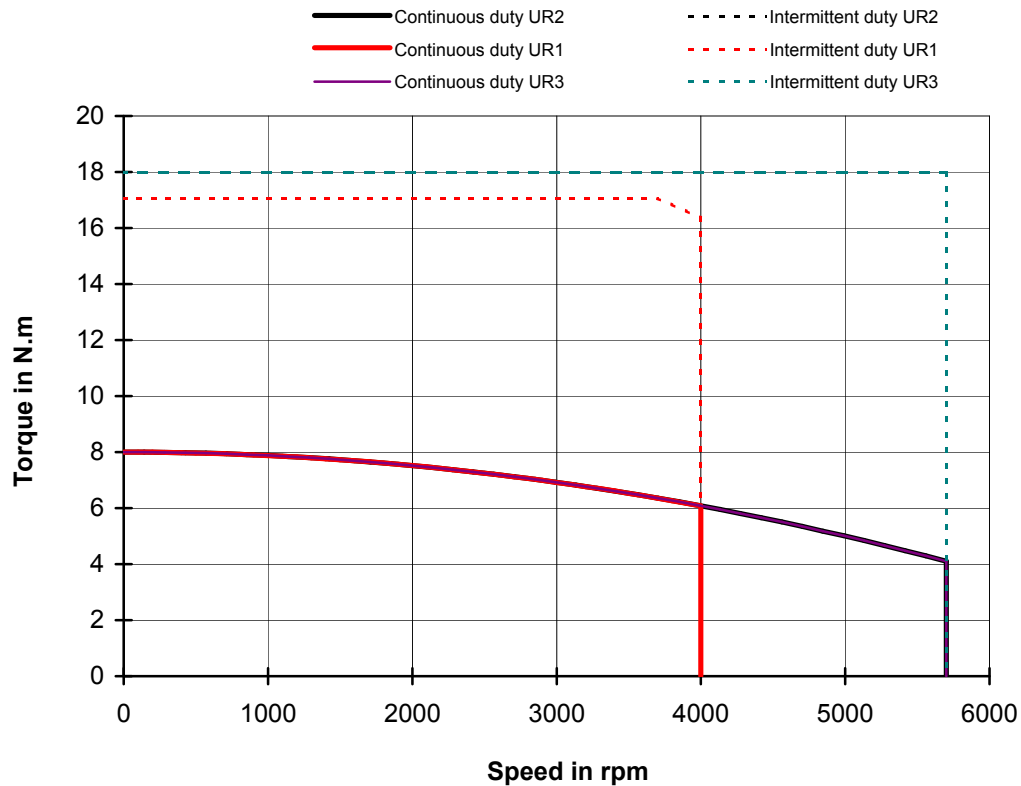
Torque at low speed	M_o	Nm	8		
Permanent current at low speed	I_o	A_{rms}	9.89		
Peak torque	M_p	Nm	26.7		
Current for the peak torque	I_p	A_{rms}	39.5		
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	51.3		
Torque sensitivity	K_t	Nm/A_{rms}	0.809		
Winding resistance (25°C)*	R_b	Ω	0.603		
Winding inductance*	L	mH	5.52		
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	4000	5700	5700
Rated torque	Mn1 Mn2 Mn3	Nm	6.08	4.10	4.10
Rated current	In1 In2 In3	A_{rms}	7.82	5.56	5.56
Rated power	Pn1 Pn2 Pn3	W	2550	2450	2450

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: 17 janv 2001

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