

BRUSHLESS MOTORS
NX840EAJ
ELECTRONIC DRIVE (1)
DIGIVEX 30/60 et DIGIVEX 32/64
(230 V) (400 V)



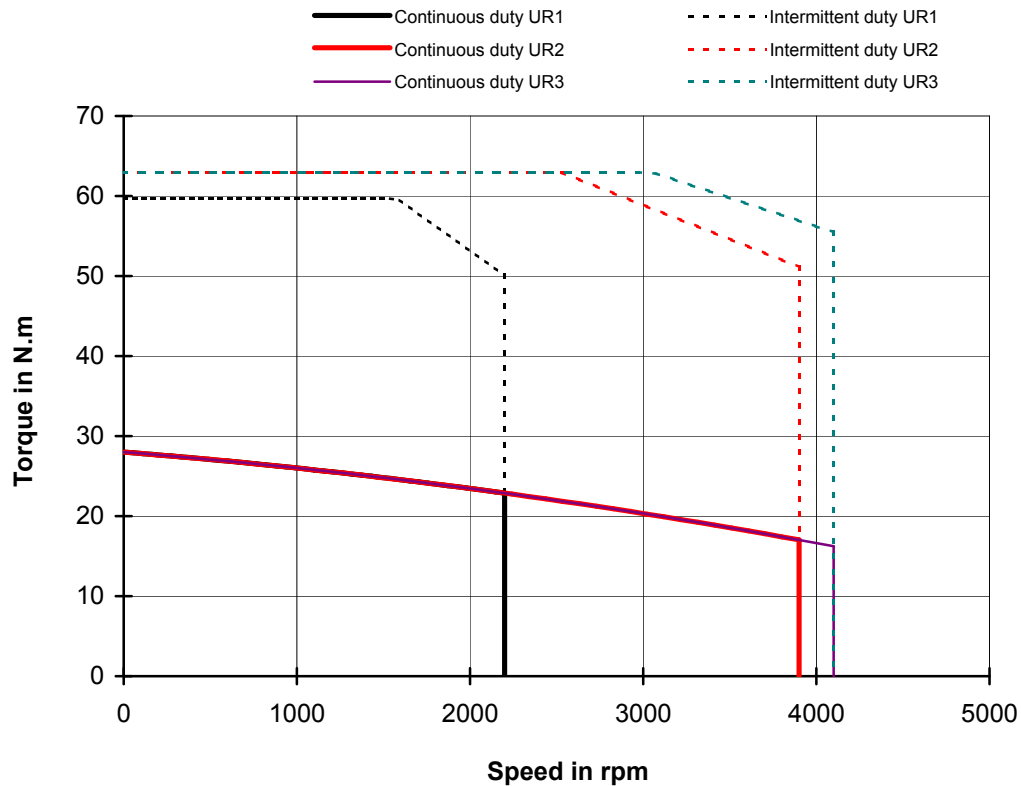
Torque at low speed	M_o	Nm	28		
Permanent current at low speed	I_o	A_{rms}	18.9		
Peak torque	M_p	Nm	92		
Current for the peak torque	I_p	A_{rms}	74.8		
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	92.2		
Torque sensitivity	K_t	Nm/A_{rms}	1.48		
Winding resistance (25°C)*	R_b	Ω	0.371		
Winding inductance*	L	mH	4.28		
Rotor inertia	J	$kgm^2 \times 10^{-5}$	620		
Thermal time constant	T_{th}	min	52		
Motor mass	M	kg	20		
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230	400	480
Rated speed	Nn1 Nn2 Nn3	rpm	2200	3900	4100
Rated torque	Mn1 Mn2 Mn3	Nm	22.88	17.04	16.25
Rated current	In1 In2 In3	A_{rms}	15.70	11.99	11.48
Rated power	Pn1 Pn2 Pn3	W	5270	6960	6980

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: 26 mars 2003

Edition: 10/févr/2005

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