

BRUSHLESS MOTORS
NX840EAK
ELECTRONIC DRIVE (1)
DIGIVEX 30/60 et DIGIVEX 32/64
(230 V) (400 V)



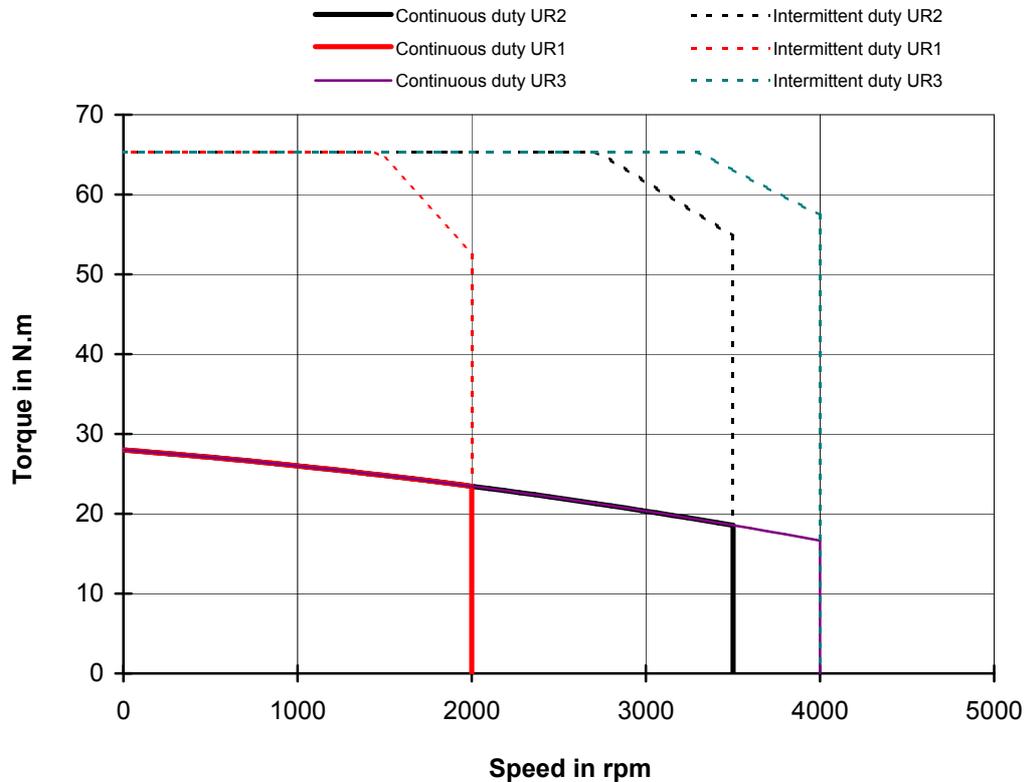
Torque at low speed	M_o	Nm	28		
Permanent current at low speed	I_o	A_{rms}	16.8		
Peak torque	M_p	Nm	92		
Current for the peak torque	I_p	A_{rms}	66.5		
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	104		
Torque sensitivity	K_t	Nm/A_{rms}	1.67		
Winding resistance (25°C)*	R_b	Ω	0.493		
Winding inductance*	L	mH	5.42		
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	2000	3500	4000
Rated torque	Mn1 Mn2 Mn3	Nm	23.45	18.56	16.65
Rated current	In1 In2 In3	A_{rms}	14.28	11.51	10.43
Rated power	Pn1 Pn2 Pn3	W	4910	6800	6970

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

Edition: 10/févr/2005

NX840EAK

.c