

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



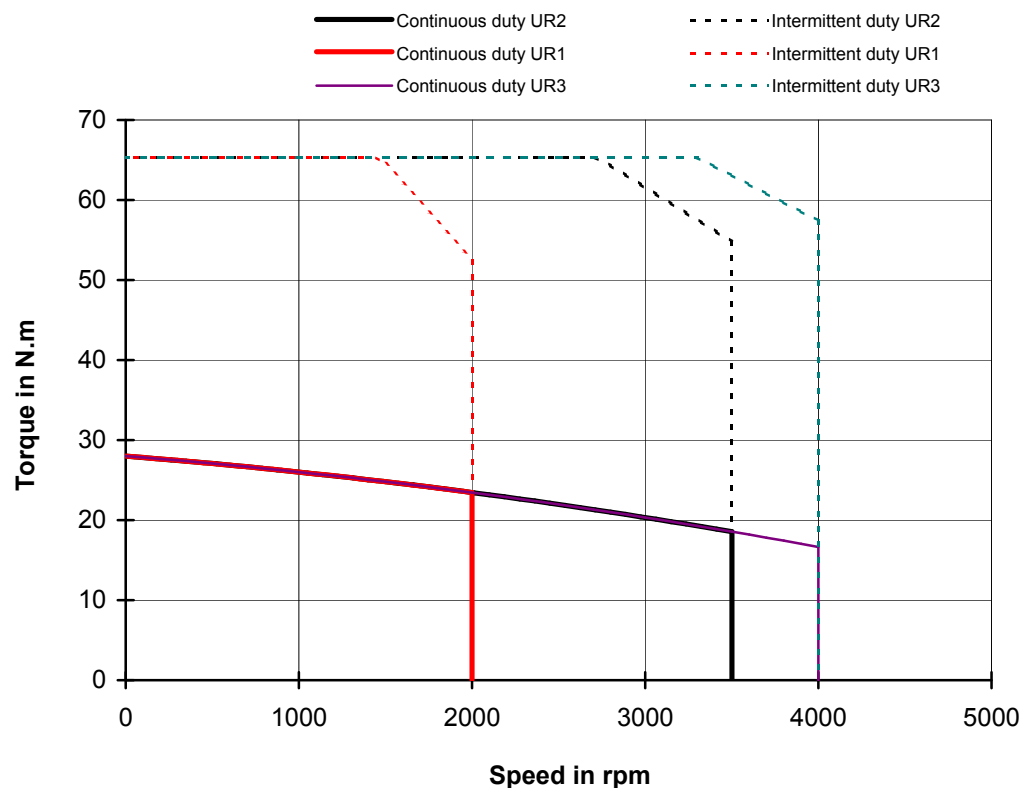
Torque at low speed	M_o	Nm	28
Permanent current at low speed	I_o	A_{rms}	16.8
Peak torque	M_p	Nm	92
Current for the peak torque	I_p	A_{rms}	66.5
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	104
Torque sensitivity	K_t	Nm/A_{rms}	1.67
Winding resistance (25°C)*	R_b	Ω	0.493
Winding inductance*	L	mH	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	N_{n1} N_{n2} N_{n3}	rpm	2000 3500 4000
Rated torque	M_{n1} M_{n2} M_{n3}	Nm	23.45 18.56 16.65
Rated current	I_{n1} I_{n2} I_{n3}	A_{rms}	14.28 11.51 10.43
Rated power	P_{n1} P_{n2} P_{n3}	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