

BRUSHLESS MOTORS
NX630EAK
ELECTRONIC DRIVE (1)
DIGIVEX 15/30 et DIGIVEX 16/32
(230 V) (400 V)



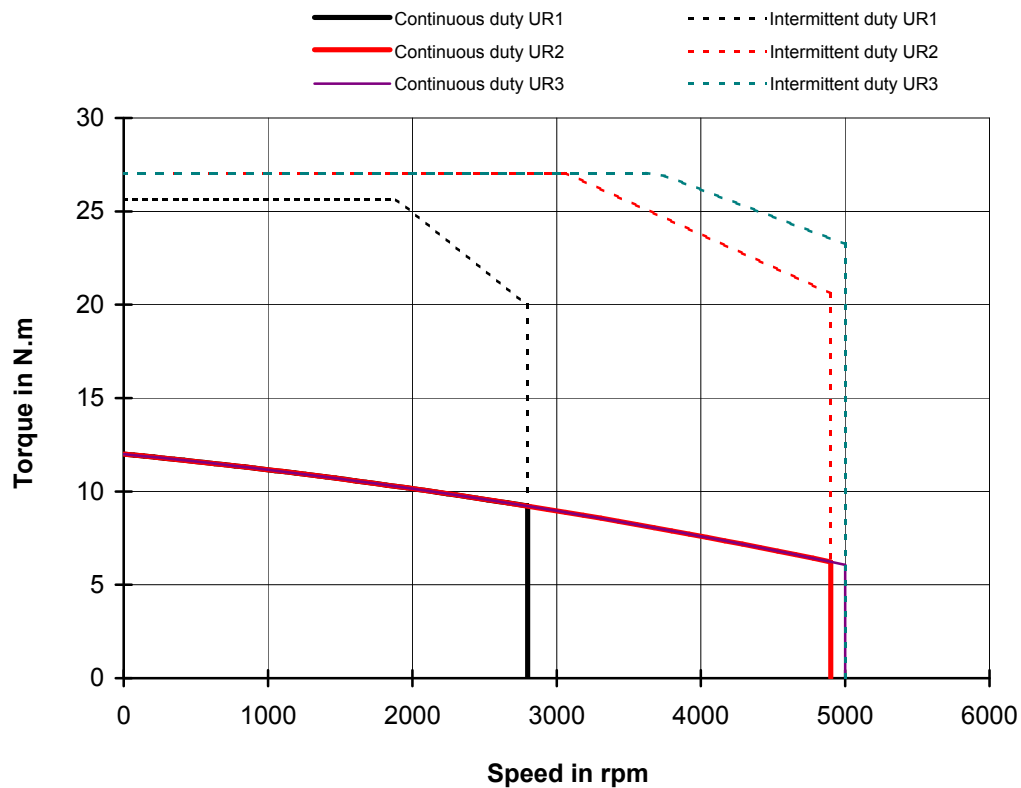
Torque at low speed	M_o	Nm	12		
Permanent current at low speed	I_o	A_{rms}	9.86		
Peak torque	M_p	Nm	40		
Current for the peak torque	I_p	A_{rms}	39.4		
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	73.6		
Torque sensitivity	K_t	Nm/A_{rms}	1.22		
Winding resistance (25°C)*	R_b	Ω	0.674		
Winding inductance*	L	mH	7.06		
Rotor inertia	J	$kgm^2 \times 10^{-5}$	147		
Thermal time constant	T_{th}	min	33		
Motor mass	M	kg	8.9		
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230	400	480
Rated speed	Nn1 Nn2 Nn3	rpm	2800	4900	5000
Rated torque	Mn1 Mn2 Mn3	Nm	9.21	6.23	6.07
Rated current	In1 In2 In3	A_{rms}	7.80	5.53	5.41
Rated power	Pn1 Pn2 Pn3	W	2700	3190	3180

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: 12 mai 2000

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10/févr/2005

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