

BRUSHLESS MOTORS
NX420EAJ
ELECTRONIC DRIVE (1)
DIGIVEX 7.5/15 et DIGIVEX 8/16
(230 V) (400 V)



PARVEX

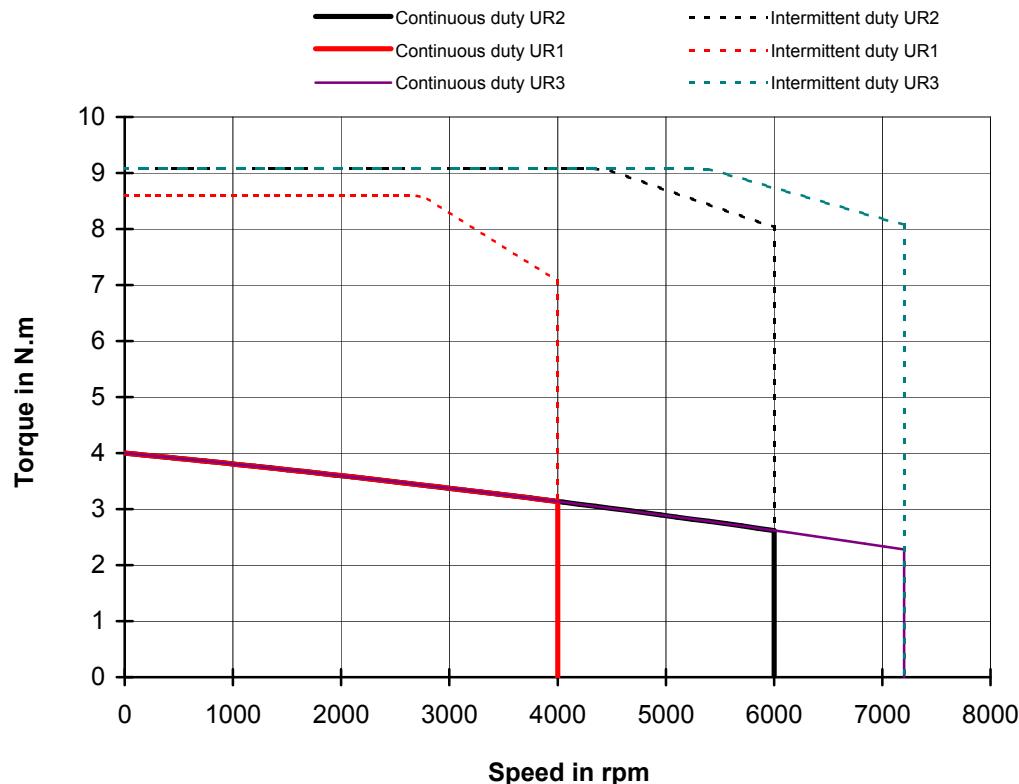
Torque at low speed	M_o	Nm	4		
Permanent current at low speed	I_o	A _{rms}	4.69		
Peak torque	M_p	Nm	13.4		
Current for the peak torque	I_p	A _{rms}	18.8		
Back emf constant at 1000 rpm (25°C)*	Ke	V _{rms}	51.9		
Torque sensitivity	Kt	Nm/A _{rms}	0.853		
Winding resistance (25°C)*	Rb	Ω	2.39		
Winding inductance*	L	mH	11		
Rotor inertia	J	kgm ² ×10 ⁻⁵	29		
Thermal time constant	Tth	min	12		
Motor mass	M	kg	3.8		
Voltage of the mains	UR1 UR2 UR3	V _{rms}	230	400	480
Rated speed	Nn1 Nn2 Nn3	rpm	4000	6000	7200
Rated torque	Mn1 Mn2 Mn3	Nm	3.14	2.62	2.28
Rated current	In1 In2 In3	A _{rms}	3.74	3.17	2.79
Rated power	Pn1 Pn2 Pn3	W	1310	1650	1720

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

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