

BRUSHLESS MOTORS
NX310EAK
ELECTRONIC DRIVE (1)
DIGIVEX 4/8

(230 V)

(400 V)



PARVEX

Torque at low speed	M_o	Nm	2		
Permanent current at low speed	I_o	A _{rms}	2.43		
Peak torque	M_p	Nm	6.6		
Current for the peak torque	I_p	A _{rms}	9.71		
Back emf constant at 1000 rpm (25°C)*	Ke	V _{rms}	50.9		
Torque sensitivity	Kt	Nm/A _{rms}	0.823		
Winding resistance (25°C)*	Rb	Ω	6.58		
Winding inductance*	L	mH	20.3		
Rotor inertia	J	kgm ² ×10 ⁻⁵	7.9		
Thermal time constant	Tth	min	20		
Motor mass	M	kg	2.1		
Voltage of the mains	UR1 UR2 UR3	V _{rms}	230	400	480
Rated speed	Nn1 Nn2 Nn3	rpm	4000	7000	8400
Rated torque	Mn1 Mn2 Mn3	Nm	1.65	1.36	1.22
Rated current	In1 In2 In3	A _{rms}	2.06	1.76	1.61
Rated power	Pn1 Pn2 Pn3	W	690	1000	1070

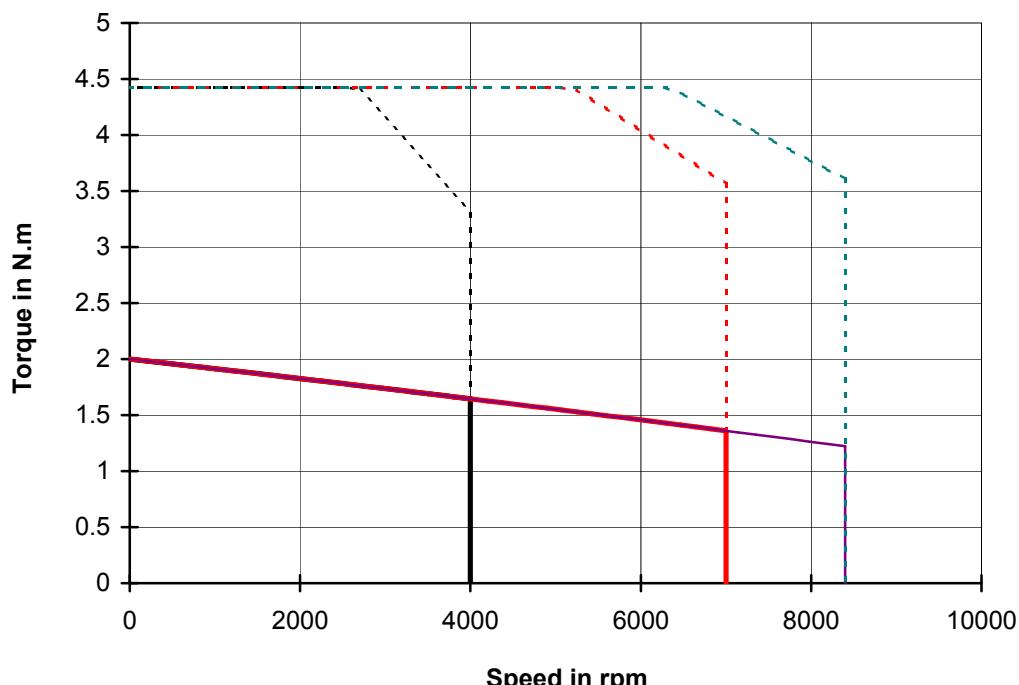
All data are given in typical values under standard conditions

* Phase to phase

(1) Please check the availability of this drive with 480 V

Voltages and currents are given in rms values

—	Continuous duty UR1	· · · · ·	Intermittent duty UR1
—	Continuous duty UR2	— — — —	Intermittent duty UR2
—	Continuous duty UR3	— — — —	Intermittent duty UR3



Characteristics are given for an optimal drive of the motor

FICHE-009

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