

BRUSHLESS MOTORS
NX205EAV
ELECTRONIC DRIVE
DIGIVEX 2/4

(230 V)

(400 V)

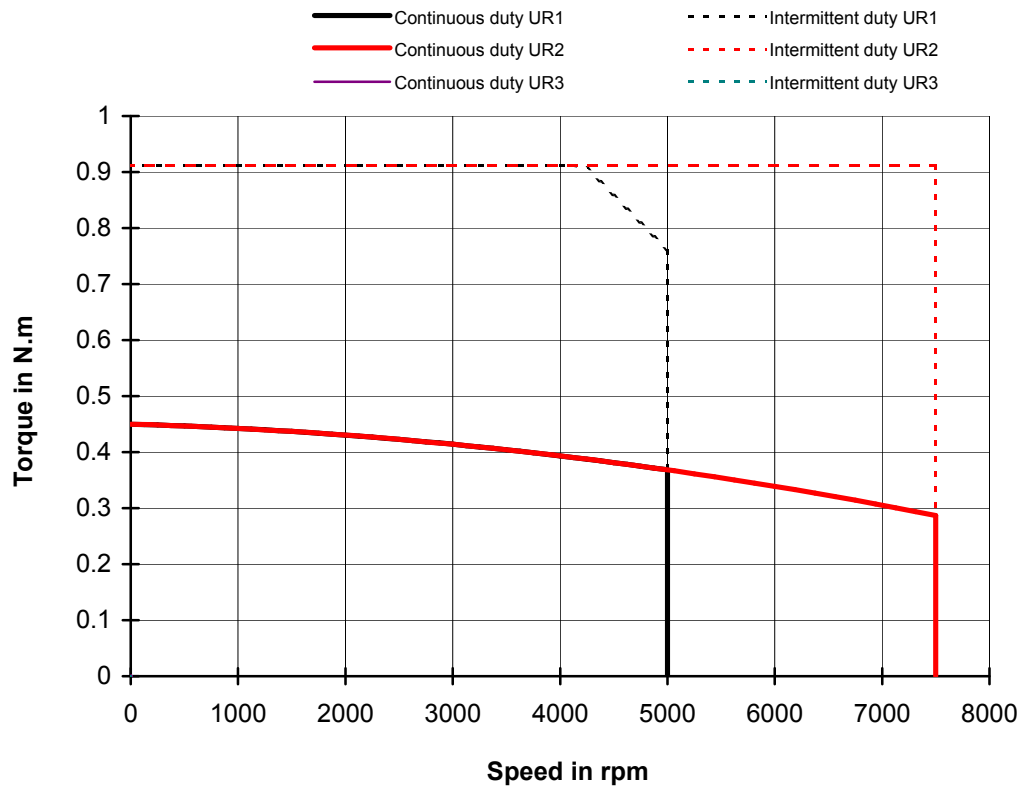


Torque at low speed	M_o	Nm	0.45		
Permanent current at low speed	I_o	A_{rms}	0.968		
Peak torque	M_p	Nm	2		
Current for the peak torque	I_p	A_{rms}	5.08		
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	30.2		
Torque sensitivity	K_t	Nm/A_{rms}	0.465		
Winding resistance (25°C)*	R_b	Ω	17.6		
Winding inductance*	L	mH	46.4		
Rotor inertia	J	$kgm^2 \times 10^{-5}$	2.1		
Thermal time constant	T_{th}	sec	8.5		
Motor mass	M	kg	0.77		
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230	400	-
Rated speed	Nn1 Nn2 Nn3	rpm	5000	7500	-
Rated torque	Mn1 Mn2 Mn3	Nm	0.37	0.29	-
Rated current	In1 In2 In3	A_{rms}	0.84	0.68	-
Rated power	Pn1 Pn2 Pn3	W	190	230	-

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor

FICHE-009

Création: 22 sept 2004

Edition: 10/févr/2005

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