

**BRUSHLESS MOTORS**  
**NX110EAP**  
**ELECTRONIC DRIVE**  
**DIGIVEX 2/4**  
(230 V)

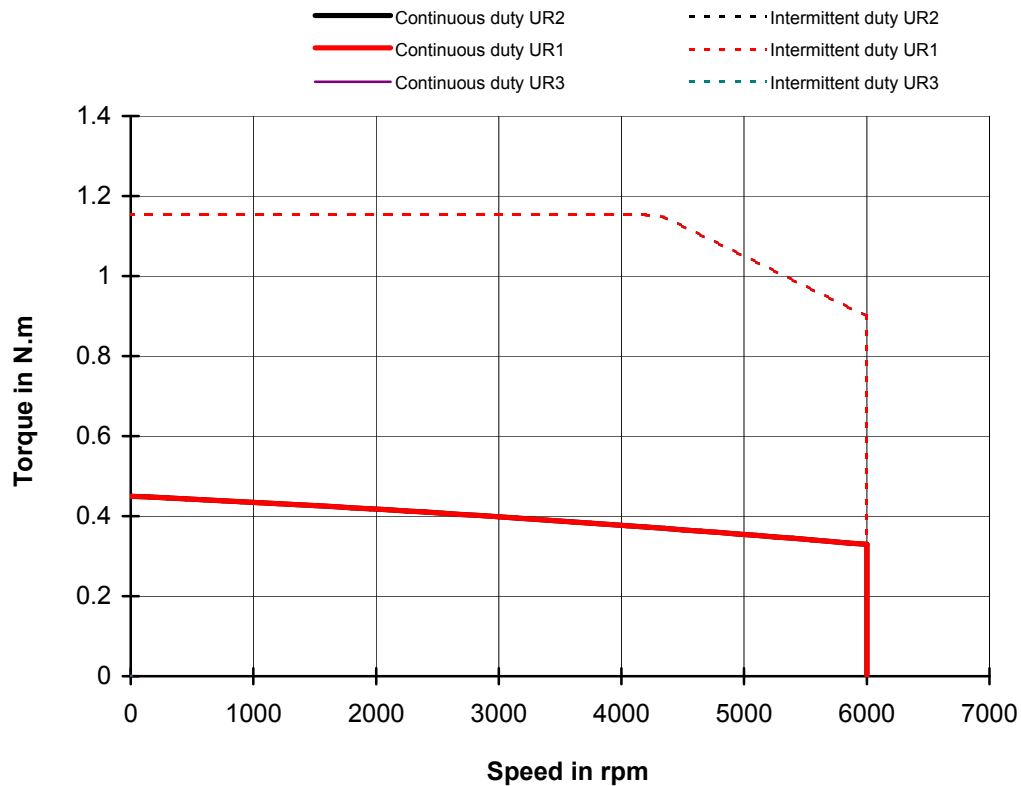


Torque at low speed	$M_o$	Nm		0.45		
Permanent current at low speed	$I_o$	$A_{rms}$		0.989		
Peak torque	$M_p$	Nm		1.72		
Current for the peak torque	$I_p$	$A_{rms}$		3.96		
Back emf constant at 1000 rpm (25°C)*	$K_e$	$V_{rms}$		30.5		
Torque sensitivity	$K_t$	$Nm/A_{rms}$		0.455		
Winding resistance (25°C)*	$R_b$	$\Omega$		22		
Winding inductance*	$L$	mH		26.5		
Rotor inertia	$J$	$kgm^2 \times 10^{-5}$		1.3		
Thermal time constant	$T_{th}$	sec		150		
Motor mass	$M$	kg		0.85		
Voltage of the mains	UR1 UR2 UR3	$V_{rms}$	230	-	-	
Rated speed	Nn1 Nn2 Nn3	rpm	6000	-	-	
Rated torque	Mn1 Mn2 Mn3	Nm	0.33	-	-	
Rated current	In1 In2 In3	$A_{rms}$	0.78	-	-	
Rated power	Pn1 Pn2 Pn3	W	210	-	-	

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

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