

**BRUSHLESS MOTORS**  
**NX205EAS**  
**ELECTRONIC DRIVE**  
**DIGIVEX 2/4**

(230 V)

(400 V)

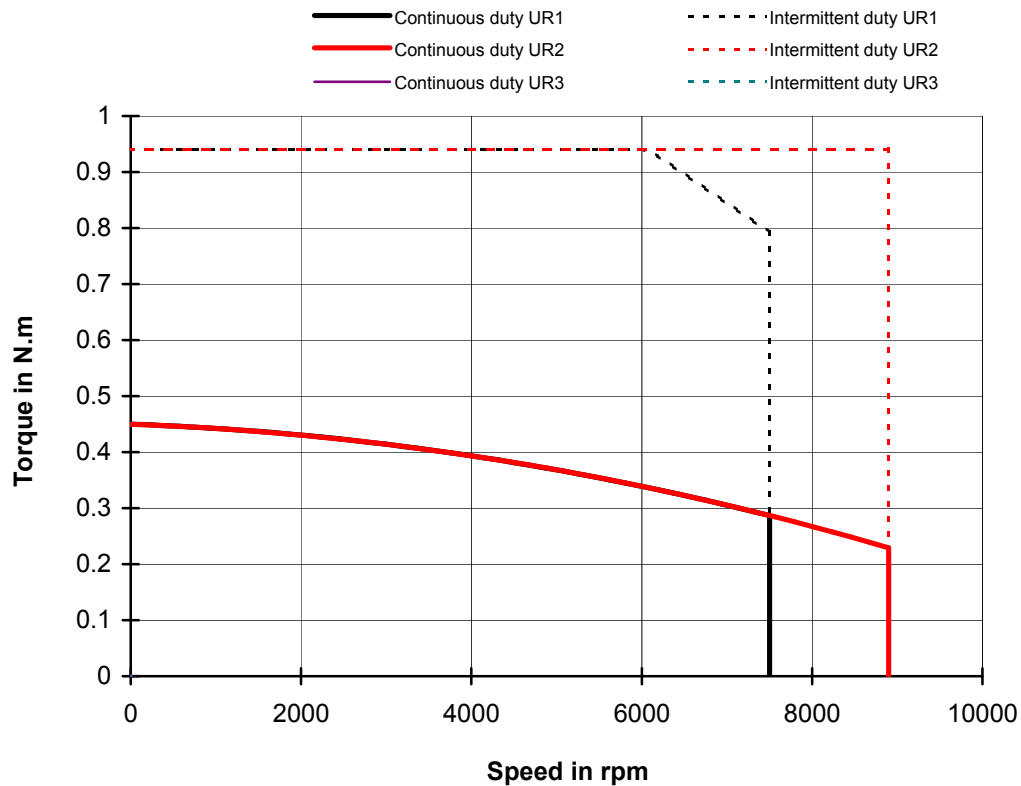


Torque at low speed	$M_o$	Nm	0.45		
Permanent current at low speed	$I_o$	$A_{rms}$	1.34		
Peak torque	$M_p$	Nm	2		
Current for the peak torque	$I_p$	$A_{rms}$	7.01		
Back emf constant at 1000 rpm (25°C)*	$K_e$	$V_{rms}$	21.9		
Torque sensitivity	$K_t$	$Nm/A_{rms}$	0.337		
Winding resistance (25°C)*	$R_b$	$\Omega$	8.89		
Winding inductance*	$L$	mH	24.3		
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	7500	8900	-
Rated torque	Mn1 Mn2 Mn3	Nm	0.29	0.23	-
Rated current	In1 In2 In3	$A_{rms}$	0.95	0.79	-
Rated power	Pn1 Pn2 Pn3	W	230	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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