

BRUSHLESS MOTORS
NV310EAW
 ELECTRONIC DRIVE
DIGIVEX 7.5/15
 (230V)



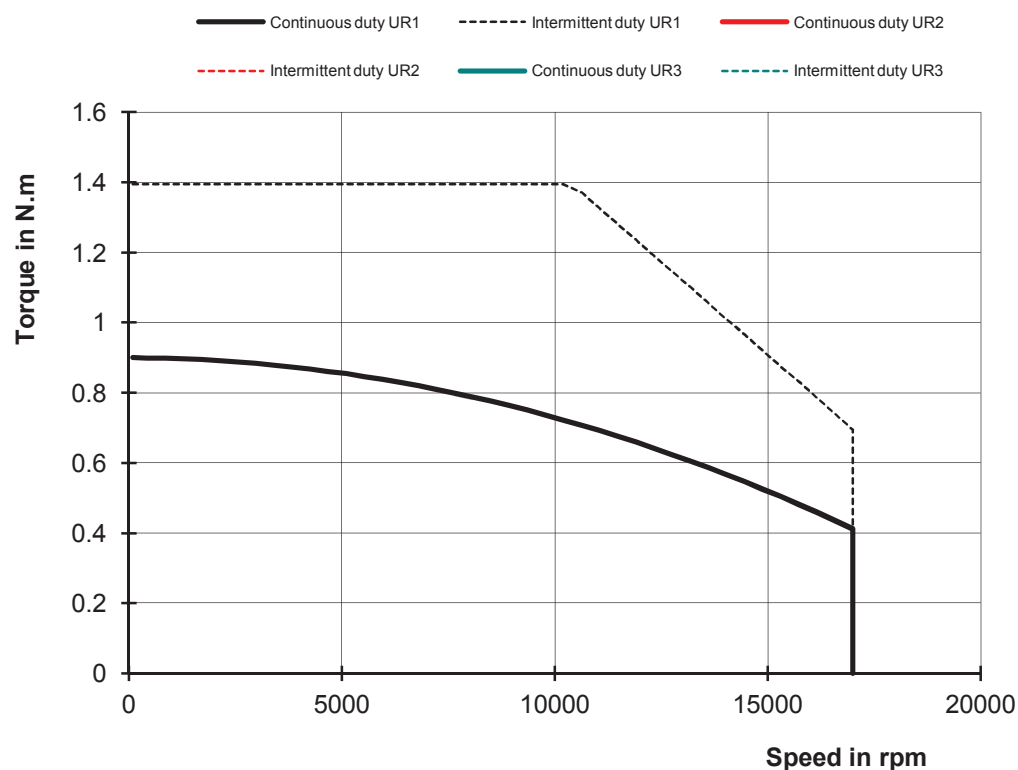
No UL certification

Torque at low speed	M_o	Nm	0.9	
Permanent current at low speed	I_o	A_{rms}	5.13	
Peak torque	M_p	Nm	1.8	--
Current for the peak torque	I_p	A_{rms}	9.91	--
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	11.1	
Torque sensitivity	K_t	Nm/A_{rms}	0.175	
Winding resistance (25°C)*	R_b	Ω	1.41	
Winding inductance*	L	mH	5.05	
Rotor inertia	J	$kgm^2 \times 10^{-5}$	7.34	
Thermal time constant	T_{th}	min	20	
Motor mass	M	kg	2.1	
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230	- -
Rated speed	Nn1 Nn2 Nn3	rpm	17000	- -
Rated torque	Mn1 Mn2 Mn3	Nm	0.41	- -
Rated current	In1 In2 In3	A_{rms}	2.78	- -
Rated power	Pn1 Pn2 Pn3	W	730	- -

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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