RATED DATA

Motor type	**ADRIVE ADT4-0100-K-45-4-320**
Winding number	**01-00138 adrive servomotor**

Rated Speed	n_n	4500	min^{-1}
DC Bus Voltage	U_{dc}	320	V
Nominal AC Voltage	U_n	200	V
Rated Motor Voltage	U_m	151	V
Rated Torque	M_n	0,90	Nm
Rated AC Current	I_n	2,3	A
Stall Torque	M_o	1,00	Nm
Stall AC Current	I_o	2,3	A
Peak Torque	M_{max}	4,0	Nm
Peak Current	I_{max}	13,7	A
Max. Speed	n_{max}	12000	min^{-1}
EMF Constant	K_E	26,5	V/1000
Torque Constant	K_T	0,44	Nm/A
Terminal Resistance	R_{2ph}	8,1	Ω
Terminal Inductance	L_{2ph}	16,4	mH

No Load Speed	n_o	7550	min^{-1}
Torque at Imax/Un	M_z	3,9	Nm
Speed at Imax/Un	n_z	1450	min^{-1}
Max. Torque at nn	M_x	1,9	Nm

El. Time Constant	T_{el}	2,0	ms
Mech. Time Constant	T_{mech}	5,8	ms
Thermal Time Constant	T_{th}	45	min
Rotor Inertia	J	0,79	$kgcm^2$
Weight	m	2,7	kg

Torque/speed curves

