RATED DATA

Motor type	**ADRIVE ADTC4-0160-45-320**
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	178	V
Rated Torque	M_n	1,20	Nm
Rated AC Current	I_n	2,3	A
Stall Torque	M_o	1,60	Nm
Stall AC Current	I_o	2,7	A
Peak Torque	M_{max}	6,4	Nm
Peak Current	I_{max}	16,1	A
Max. Speed	n_{max}	12000	min^{-1}
EMF Constant	K_E	36,0	V/1000
Torque Constant	K_T	0,60	Nm/A
Terminal Resistance	R_{2ph}	4,1	Ω
Terminal Inductance	L_{2ph}	12,8	mH

No Load Speed	n_o	5560	min^{-1}
Torque at Imax/Un	M_z	6,3	Nm
Speed at Imax/Un	n_z	2020	min^{-1}
Max. Torque at nn	M_x	2,4	Nm

El. Time Constant	T_{el}	3,1	ms
Mech. Time Constant	T_{mech}	2,6	ms
Thermal Time Constant	T_{th}	50	min
Rotor Inertia	J	1,3	$kgcm^2$
Weight	m	3,0	kg

Torque/speed curves

