RATED DATA

Motor type	**ADRIVE ADT3-0190-30-560**
Winding number	**01-00113**

Rated Speed	n_n	3000	min^{-1}
DC Bus Voltage	U_{dc}	560	V
Nominal AC Voltage	U_n	330	V
Rated Motor Voltage	U_m	279	V
Rated Torque	M_n	1,60	Nm
Rated AC Current	I_n	1,26	A
Stall Torque	M_o	1,90	Nm
Stall AC Current	I_o	1,42	A
Peak Torque	M_{max}	7,6	Nm
Peak Current	I_{max}	6,1	A
Max. Speed	n_{max}	12000	min^{-1}
EMF Constant	K_E	81,0	V/1000
Torque Constant	K_T	1,34	Nm/A
Terminal Resistance	R_{2ph}	20,9	Ω
Terminal Inductance	L_{2ph}	40,4	mH

No Load Speed	n_o	4070	min^{-1}
Torque at Imax/Un	M_z	7,5	Nm
Speed at Imax/Un	n_z	1790	min^{-1}
Max. Torque at nn	M_x	3,6	Nm

El. Time Constant	T_{el}	1,9	ms
Mech. Time Constant	T_{mech}	1,9	ms
Thermal Time Constant	T_{th}	31	min
Rotor Inertia	J	0,92	$kgcm^2$
Weight	m	2,70	kg

Torque/speed curves

