RATED DATA

Motor type	**ADRIVE ADT8-0930-20-560**
Winding number	**01-00323 adrive servomotor**

Rated Speed	n_n	2000	min^{-1}
DC Bus Voltage	U_{dc}	560	V
Nominal AC Voltage	U_n	355	V
Rated Motor Voltage	U_m	353	V
Rated Torque	M_n	70	Nm
Rated AC Current	I_n	25.3	A
Stall Torque	M_o	93	Nm
Stall AC Current	I_o	33.1	A
Peak Torque	M_{max}	279	Nm
Peak Current	I_{max}	129	A
Max. Speed	n_{max}	3600	min^{-1}
EMF Constant	K_E	170.0	V/1000
Torque Constant	K_T	2.8	Nm/A
Terminal Resistance	R_{2ph}	0.15	Ω
Terminal Inductance	L_{2ph}	4.8	mH
Number of poles	2p	6	

No Load Speed	n_o	2090	min^{-1}
Torque at I_{max}/U_n	M_z	278	Nm
Speed at I_{max}/U_n	n_z	1310	min^{-1}
Max. Torque at n_n	M_x	76	Nm

El. Time Constant	T_{el}	32	ms
Mech. Time Constant	T_{mech}	0.50	ms
Thermal Time Constant	T_{th}	79	min
Rotor Inertia	J	152.60	$kgcm^2$
Efficiency approximately	Eff	97	%

Torque/speed curves

