RATED DATA

Motor type	**ADRIVE ADT8-1150-20-560**
Winding number	**01-00324**

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	341	V
Rated Torque	M_n	85	Nm
Rated AC Current	I_n	32.4	A
Stall Torque	M_o	115	Nm
Stall AC Current	I_o	42.1	A
Peak Torque	M_{max}	345	Nm
Peak Current	I_{max}	164	A
Max. Speed	n_{max}	3600	min^{-1}
EMF Constant	K_E	165.0	V/1000
Torque Constant	K_T	2.7	Nm/A
Terminal Resistance	R_{2ph}	0.11	Ω
Terminal Inductance	L_{2ph}	3.4	mH
Number of poles	2p	6	

No Load Speed	n_o	2150	min^{-1}
Torque at I_{max}/U_n	M_z	342	Nm
Speed at I_{max}/U_n	n_z	1410	min^{-1}
Max. Torque at n_n	M_x	139	Nm

El. Time Constant	T_{el}	31	ms
Mech. Time Constant	T_{mech}	0.49	ms
Thermal Time Constant	T_{th}	90	min
Rotor Inertia	J	190.10	$kgcm^2$
Efficiency approximately	Eff	95	%

_22/12/2004

Torque/speed curves

