RATED DATA

Motor type

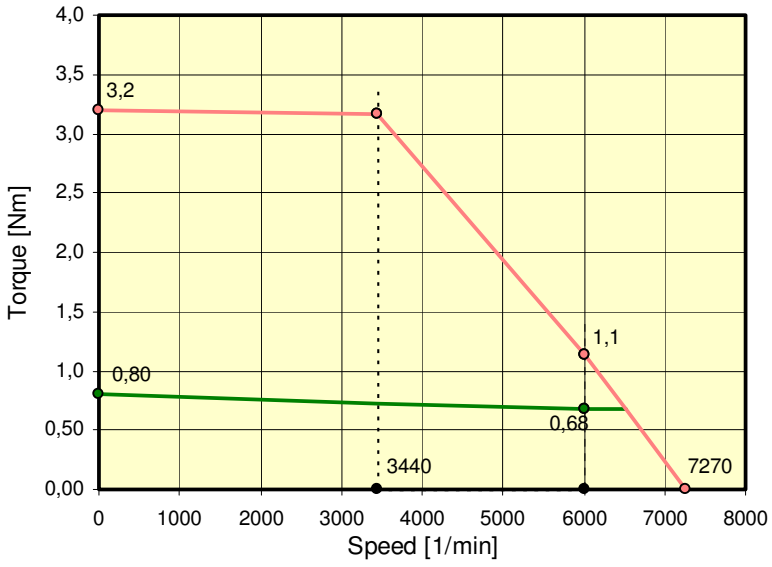
ADRIVE SERVOMOTOR ADT2-080-60-115

Rated Speed	n_n	6000	min^{-1}
DC Bus Voltage	U_{dc}	115	V
Nominal AC Voltage	U_n	70	V
Rated Motor Voltage	U_m	65	V
Rated Torque	M_n	0,68	Nm
Rated AC Current	I_n	4,6	A
Stall Torque	M_o	0,80	Nm
Stall AC Current	I_o	5,1	A
Peak Torque	M_{max}	3,2	Nm
Peak Current	I_{max}	22	A
Max. Speed	n_{max}	12000	min^{-1}
EMF Constant	K_E	9,6	V/1000
Torque Constant	K_T	0,16	Nm/A
Terminal Resistance	R_{2ph}	1,19	Ω
Terminal Inductance	L_{2ph}	1,21	mH

No Load Speed	n_o	7270	min^{-1}
Torque at I_{max}/U_n	M_z	3,2	Nm
Speed at I_{max}/U_n	n_z	3440	min^{-1}
Max. Torque at n_n	M_x	1,1	Nm

El. Time Constant	T_{el}	1,0	ms
Mech. Time Constant	T_{mech}	1,1	ms
Thermal Time Constant	T_{th}	22	min
Rotor Inertia	J	0,13	$kgcm^2$
Weight	m	1,36	kg

Torque/speed curves



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