

RATED DATA

Motor type	T3-0130-30-560
Winding number	01-00106

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	1,15 Nm
Rated AC Current	I_n	0,95 A
Stall Torque	M_o	1,30 Nm
Stall AC Current	I_o	1,01 A
Peak Torque	M_{max}	5,2 Nm
Peak Current	I_{max}	4,3 A
Max. Speed	n_{max}	12000 min ⁻¹
EMF Constant	K_E	79,0 V/1000
Torque Constant	K_T	1,29 Nm/A
Terminal Resistance	R_{2ph}	34,5 Ω
Terminal Inductance	L_{2ph}	62 mH
Number of poles	$2p$	6

No Load Speed	n_o	4230 min ⁻¹
Torque at I_{max}/U_n	M_z	5,1 Nm
Speed at I_{max}/U_n	n_z	1570 min ⁻¹
Max. Torque at n_n	M_x	2,4 Nm

El. Time Constant	T_{el}	1,8 ms
Mech. Time Constant	T_{mech}	2,3 ms
Thermal Time Constant	T_{th}	30 min
Rotor Inertia	J	0,65 kgcm ²

Torque/speed curves

