

RATED DATA

Motor type	NN4-0750-30-560
Winding number	01-00711

Rated Speed	n_n	3000 min ⁻¹
DC Bus Voltage	U_{dc}	560 V
Nominal AC Voltage	U_n	380 V
Rated Motor Voltage	U_m	277 V
Rated Torque	M_n	6,1 Nm
Rated AC Current	I_n	5,1 A
Stall Torque	M_o	7,5 Nm
Stall AC Current	I_o	5,2 A
Peak Torque	M_{max}	23 Nm
Peak Current	I_{max}	24 A
Max. Speed	n_{max}	9000 min ⁻¹
EMF Constant	K_E	87,0 V/1000
Torque Constant	K_T	1,44 Nm/A
Terminal Resistance	R_{2ph}	2,3 Ω
Terminal Inductance	L_{2ph}	13,5 mH
Number of poles	$2p$	10

No Load Speed	n_o	4350 min ⁻¹
Torque at I_{max}/U_n	M_z	22 Nm
Speed at I_{max}/U_n	n_z	1750 min ⁻¹
Max. Torque at n_n	M_x	12,8 Nm

El. Time Constant	τ_{el}	5,9 ms
Mech. Time Constant	τ_{mech}	0,62 ms
Thermal Time Constant	τ_{th}	30 min
Rotor Inertia	J	3,26 kgcm ²

Torque/speed curves

