

RATED DATA

Motor type	NN4-0960-30-560
Winding number	01-00713

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	289 V
Rated Torque	M_n	7,7 Nm
Rated AC Current	I_n	6,0 A
Stall Torque	M_o	9,6 Nm
Stall AC Current	I_o	6,0 A
Peak Torque	M_{max}	29 Nm
Peak Current	I_{max}	27 A
Max. Speed	n_{max}	9000 min ⁻¹
EMF Constant	K_E	97,0 V/1000
Torque Constant	K_T	1,60 Nm/A
Terminal Resistance	R_{2ph}	2,0 Ω
Terminal Inductance	L_{2ph}	11,9 mH
Number of poles	2p	10

No Load Speed	n_o	3910 min ⁻¹
Torque at I_{max}/U_n	M_z	28 Nm
Speed at I_{max}/U_n	n_z	1750 min ⁻¹
Max. Torque at n_n	M_x	15,2 Nm

El. Time Constant	T_{el}	6,0 ms
Mech. Time Constant	T_{mech}	0,60 ms
Thermal Time Constant	T_{th}	35 min
Rotor Inertia	J	4,49 kgcm ²

Torque/speed curves

