

RATED DATA

Motor type	NN4-1130-30-560
Winding number	01-00816

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	279 V
Rated Torque	M_n	8,8 Nm
Rated AC Current	I_n	6,9 A
Stall Torque	M_o	11,3 Nm
Stall AC Current	I_o	7,1 A
Peak Torque	M_{max}	34 Nm
Peak Current	I_{max}	27 A
Max. Speed	n_{max}	9000 min ⁻¹
EMF Constant	K_E	96,0 V/1000
Torque Constant	K_T	1,59 Nm/A
Terminal Resistance	R_{2ph}	1,49 Ω
Terminal Inductance	L_{2ph}	9,1 mH
Number of poles	$2p$	10

No Load Speed	n_o	3950 min ⁻¹
Torque at I_{max}/U_n	M_z	33 Nm
Speed at I_{max}/U_n	n_z	2210 min ⁻¹
Max. Torque at n_n	M_x	22 Nm

El. Time Constant	t_{el}	6,1 ms
Mech. Time Constant	t_{mech}	0,58 ms
Thermal Time Constant	t_{th}	40 min
Rotor Inertia	J	5,70 kgcm ²

Torque/speed curves

