

RATED DATA

Motor type	NN6-2400-20-560
Winding number	01-00880

Rated Speed	n_n	2000 min ⁻¹
DC Bus Voltage	U_{dc}	560 V
Nominal AC Voltage	U_n	380 V
Rated Motor Voltage	U_m	274 V
Rated Torque	M_n	20,0 Nm
Rated AC Current	I_n	10,7 A
Stall Torque	M_o	24,0 Nm
Stall AC Current	I_o	10,8 A
Peak Torque	M_{max}	72 Nm
Peak Current	I_{max}	42 A
Max. Speed	n_{max}	6000 min ⁻¹
EMF Constant	K_E	134,0 V/1000
Torque Constant	K_T	2,2 Nm/A
Terminal Resistance	R_{2ph}	0,81 Ω
Terminal Inductance	L_{2ph}	10,8 mH
Number of poles	$2p$	10

No Load Speed	n_o	2830 min ⁻¹
Torque at I_{max}/U_n	M_z	71 Nm
Speed at I_{max}/U_n	n_z	1310 min ⁻¹
Max. Torque at n_n	M_x	46 Nm

El. Time Constant	τ_{el}	13,3 ms
Mech. Time Constant	τ_{mech}	0,73 ms
Thermal Time Constant	τ_{th}	47 min
Rotor Inertia	J	25,60 kgcm ²

Torque/speed curves

