

RATED DATA

Motor type **NN6-4400-20-560**

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	308 V
Rated Torque	M_n	36,5 Nm
Rated AC Current	I_n	17,3 A
Stall Torque	M_o	44,0 Nm
Stall AC Current	I_o	17,7 A
Peak Torque	M_{max}	132 Nm
Peak Current	I_{max}	64 A
Max. Speed	n_{max}	6000 min ⁻¹
EMF Constant	K_E	150,0 V/1000
Torque Constant	K_T	2,5 Nm/A
Terminal Resistance	R_{2ph}	0,49 Ω
Terminal Inductance	L_{2ph}	7,0 mH
Number of poles	$2p$	10

No Load Speed	n_o	2530 min ⁻¹
Torque at I_{max}/U_n	M_z	130 Nm
Speed at I_{max}/U_n	n_z	1290 min ⁻¹
Max. Torque at n_n	M_x	68 Nm

El. Time Constant	T_{el}	14,4 ms
Mech. Time Constant	T_{mech}	0,65 ms
Thermal Time Constant	T_{th}	62 min
Rotor Inertia	J	47 kgcm ²

Torque/speed curves

