

RATED DATA

Motor type	NN2-0075-45-320
Winding number	01-00792

Rated Speed	n_n	4500 min ⁻¹
DC Bus Voltage	U_{dc}	320 V
Nominal AC Voltage	U_n	220 V
Rated Motor Voltage	U_m	167 V
Rated Torque	M_n	0,68 Nm
Rated AC Current	I_n	1,48 A
Stall Torque	M_o	0,75 Nm
Stall AC Current	I_o	1,54 A
Peak Torque	M_{max}	3,0 Nm
Peak Current	I_{max}	7,1 A
Max. Speed	n_{max}	12000 min ⁻¹
EMF Constant	K_E	29,5 V/1000
Torque Constant	K_T	0,49 Nm/A
Terminal Resistance	R_{2ph}	17,0 Ω
Terminal Inductance	L_{2ph}	22,7 mH
Number of poles	$2p$	6

No Load Speed	n_o	7380 min ⁻¹
Torque at I_{max}/U_n	M_z	3,0 Nm
Speed at I_{max}/U_n	n_z	2050 min ⁻¹
Max. Torque at n_n	M_x	1,6 Nm

El. Time Constant	τ_{el}	1,3 ms
Mech. Time Constant	τ_{mech}	1,1 ms
Thermal Time Constant	τ_{th}	12,0 min
Rotor Inertia	J	0,09 kgcm ²

Torque/speed curves

