

RATED DATA

Motor type	NN2-0028-45-320
Winding number	01-00757

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	114 V
Rated Torque	M_n	0,25 Nm
Rated AC Current	I_n	0,96 A
Stall Torque	M_o	0,28 Nm
Stall AC Current	I_o	0,97 A
Peak Torque	M_{max}	1,1 Nm
Peak Current	I_{max}	4,4 A
Max. Speed	n_{max}	12000 min ⁻¹
EMF Constant	K_E	17,5 V/1000
Torque Constant	K_T	0,29 Nm/A
Terminal Resistance	R_{2ph}	28,3 Ω
Terminal Inductance	L_{2ph}	28,4 mH
Number of poles	$2p$	6

No Load Speed	n_o	12260 min ⁻¹
Torque at I_{max}/U_n	M_z	1,1 Nm
Speed at I_{max}/U_n	n_z	2540 min ⁻¹
Max. Torque at n_n	M_x	0,81 Nm

El. Time Constant	τ_{el}	1,0 ms
Mech. Time Constant	τ_{mech}	2,9 ms
Thermal Time Constant	τ_{th}	10,0 min
Rotor Inertia	J	0,05 kgcm ²

Torque/speed curves

