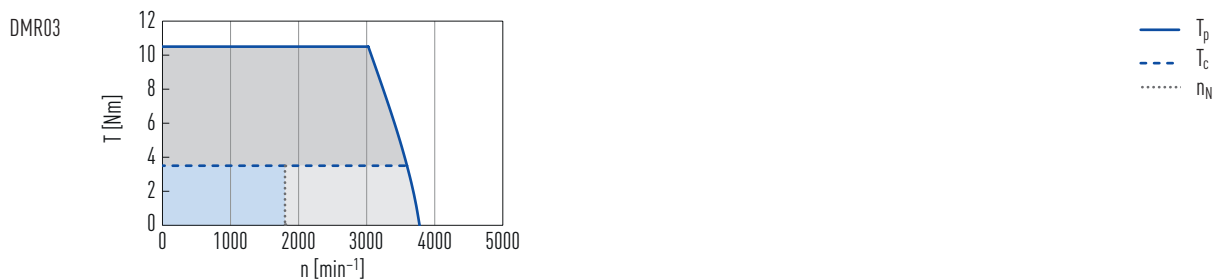


Specifications

Torque-speed curves (DC bus voltage: 600 VDC)



Technical data for DMR0			
	Symbol	Unit	DMR03
Torques and electrical parameters			
Peak torque (for 1 sec.)	T_p	Nm	10.5
Continuous torque ¹⁾	T_c	Nm	3.5
Stall torque	T_s	Nm	2.5
Peak current (for 1 sec.)	I_p	A	6.8
Continuous current ¹⁾	I_c	A	2.3
Stall current	I_s	A	1.6
Resistance ²⁾	R_{25}	Ω	7.1
Inductance ²⁾	L_{25}	mH	15.2
Motor constant	K_m	Nm/ \sqrt{W}	0.5
Electrical time constant	K_e	ms	2.1
Torque constant	K_t	Nm/A	1.55
Back emf constant	K_u	$V_{eff}/(\text{rad/s})$	0.82
Inertia of rotor	J	kgm ²	0.00018
Thermal resistance	R_{th}	$^{\circ}\text{C/W}$	1.76
Thermal time constant	T_{th}	s	1,930
Max. DC Bus	U_{max}	VDC	600
Rated speed	n_N	min ⁻¹	1.800
Mechanical parameters			
Number of poles	$2p$		10
Thermal sensor			PTC SNM 120
Stator height	H_S	mm	68.5
Rotor height	H_R	mm	32.5
Mass of motor	M_m	kg	2.6

All the specifications in the table (except dimensions) are in $\pm 10\%$ of tolerance at 25 $^{\circ}\text{C}$ ambient temperature

¹⁾ Coil temperature 120 $^{\circ}\text{C}$

²⁾ Line to line

Dimensions

