

	Symbol	Unit	TMS03	TMS07
Peak current for 1 second	I_p	A_{eff}	5	5
Continuous current (coil temp. 80°C)	I_c	A_{eff}	2	2
Motor constant (coil temp. 25°C)	K_m	Nm/√W	1	0.73
Coil resistance (coil temp. 25°C) ¹⁾	R_{25}	Ω	4	6.1
Coil resistance (coil temp. 100°C) ¹⁾	R_{100}	Ω	5.5	7.6
Motor inductance ²⁾	L	mH	10	15
Electric time constant	T_e	ms	2.8	2.4
Torque constant	K_t	Nm/ A_{eff}	1.55	3.1
Voltage constant	K_v	$V_{rms}/(rad/s)$	0.61	1.24
Number of poles	$2p$	—	10	10
Thermal resistance	R_{th}	K/W	1.1	0.84
Thermal circuit breaker			Bimetal (break contact), switching point 100°C, 12 VDC/6 A, 24 VDC/3 A	
Max. intermediate circuit voltage		V	500	500

¹⁾ Line resistance

²⁾ Line inductance