

	Symbol	Unit	TMS12	TMS14	TMS16	TMS18
Peak current for 1 second	I_p	A_{eff}	10	10	10	10
Continuous current (coil temp. 80°C)	I_c	A_{eff}	4	4	4	4
Motor constant (coil temp. 25°C)	K_m	Nm/ \sqrt{W}	0.66	1.02	1.29	1.64
Coil resistance (coil temp. 25°C) ¹⁾	R_{25}	Ω	1.2	2	2.8	3.1
Coil resistance (coil temp. 100°C) ¹⁾	R_{100}	Ω	1.5	2.5	3.5	4.38
Motor inductance ²⁾	L	mH	4.3	7.5	10.5	11.6
Electric time constant	T_e	ms	3.6	3.75	3.75	3.6
Torque constant	K_t	Nm/ A_{eff}	0.91	2.5	3.75	5
Voltage constant	K_v	$V_{me}/(rad/s)$	0.53	1	1.5	2
Number of poles	$2p$	—	22	22	22	22
Thermal resistance	R_{th}	K/W	0.52	0.74	0.55	0.5
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	500	500

¹⁾ Line resistance

²⁾ Line inductance