

	Symbol	Unit	TMS74	TMS74L	TMS76	TMS76L	TMS7C	TMS7CL
Peak current for 1 second	I_p	A_{eff}	8	16	8	16	8	16
Continuous current (coil temp. 80°C)	I_c	A_{eff}	3.0	6.0	3.0	6.0	3.0	6.0
Motor constant (coil temp. 25°C)	K_m	Nm/ \sqrt{W}	3.4	3.4	4.5	4.5	8.5	8.5
Coil resistance (coil temp. 25°C) ¹⁾	R_{25}	Ω	8.0	2	10.4	2.6	20.2	5.1
Coil resistance (coil temp. 100°C) ¹⁾	R_{100}	Ω	9.5	2.4	12.4	3.1	25.0	6.3
Motor inductance ²⁾	L	mH	32	8	42	10.5	84	21
Electric time constant	T_e	ms	4	4	4	4	4	4
Torque constant	K_t	Nm/ A_{eff}	16.9	8.5	25.4	12.7	50.1	25.05
Voltage constant	K_v	$V_{rms}/(rad/s)$	7.2	3.6	10.8	5.4	21.6	10.8
Number of poles	$2p$	—	44	44	44	44	44	44
Thermal resistance	R_{th}	K/W	0.31	0.31	0.25	0.25	0.18	0.18
Thermal circuit breaker			PTC; switching point at 100 °C					
Max. intermediate circuit voltage		V	750	750	750	750	750	750

¹⁾ Line resistance

²⁾ Line inductance