



Servomotor MP540

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0.2Nm

Data sheet -----

Motor CEI and IEC standards – permanent magnet – 2 poles – low loss magnetic lamination

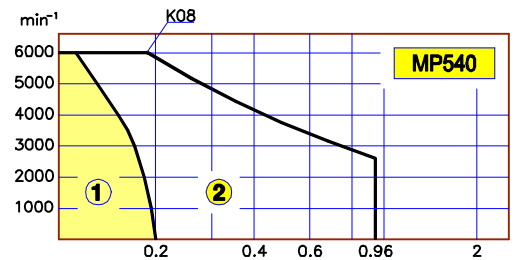
Speed/torque/current linear characteristics – excellent dynamic response

Wide range speed regulation at constant torque – enclosed no ventilated IC410

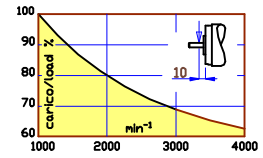
Ambient temperature max.+40°C – F/H class insulation – IP54 protection



TYPE	Symbols	Units	MP540
Winding code	---	---	K08
Continuous stall torque	Cn	Nm	0.2
Continuous stall current	In	A	3
Peak stall torque	Cp	Nm	1
Peak current	Ip	A	14.4
Torque constant	Kt	Nm/A	0.067
Rated speed	n	min ⁻¹	3000
Befm rated speed	E	V	21
Voltage constant	Ke	Vs/rad	0.067
Armature resistance	Ra	ohm	1.35
Terminals resistance	Rm	ohm	1.65
Armature inductance	La	mH	2
Electrical time constant	Te	ms	1.2
Mechanical time constant	Tm	ms	9.9
Thermal time constant	Tt	min	20
Moment of inertia	J	Kgcm ²	0.27
Max. theoretical acceleration	a max.	rad/s ²	37000
Max. speed	n max	min ⁻¹	6000
Max. voltage	V max	V	48
Weight	---	Kg	0.9



① CONTINUOUS DUTY
② INTERMITTENT DUTY



type MP540
Radial load at 1000min⁻¹: 60N
Axial load : 1/10 Radial load

Torque at 2000min ⁻¹	Duty S1	C2	Nm	0.17
Power at 2000min ⁻¹	Duty S1	P2	W	36
Current at 2000min ⁻¹	Duty S1	I2	A	2.5
Torque at 3000min ⁻¹	Duty S1	C3	Nm	0.14
Power at 3000min ⁻¹	Duty S1	P3	W	44
Current at 3000min ⁻¹	Duty S1	I3	A	2.1

Note/ notes

Form factor 1

Tolerance ±10%

PRE-ARRANGEMENT ON REQUEST

