

NM4-2950 (MT30E4) Permanent Magnet D. C. Servomotors

TECHNICAL DATA

Parameter	Units	(E4-52)	(E4-32)	(E4-25)	(E4-20)
		M	Q	S	A
General					
Voltage Gradient No Load	V/1000/min	51	31	23,8	18,2
Max. Motor EMF	V	140	130	100	80
Max. Speed	min ⁻¹	2700	4000	4000	4000
Continuous Stall Torque	Nm	2,0	2,0	2,0	2,0
Continuous Stall Current	A	4,3	6,9	9,2	11,7
Armature Polar Moment of Inertia	Kgm ²	0,00094	0,0094	0,00094	0,00094
Current at Peak Torque	A	32	79	90	90
Peak Stall Torque	Nm	13	17,2	15,5	12,9
Torque Constant K _T	Nm/A	0,482	0,293	0,225	0,172
Viscous Damping	N/krpm	0,03	0,03	0,03	0,073

Winding

Armature Resistance Less Brushes	Ohm	2,9	1,1	0,55	0,32
Armature Inductance	mH	7,2	2,7	1,55	0,92
Static Friction Torque	Nm	0,145	0,145	0,145	0,145
Motorgewicht	Kg	7,5	7,5	7,5	7,5

Tachometer

Voltage Gradient	V/1000/min *	7 / 9,5 / 30,0
Ripple	%	2

Brake

Voltage	V	24 DC / 90 DC / 115 AC
Power	W	16
Holding Torque	Nm	12
Weight	kg	2,5

