

NM4-2959 (MT30Z4)

Permanent Magnet D. C. Servomotors

TECHNICAL DATA

Parameter	Units	(Z4-85) H	(Z4-61) B	(Z4-37) A
General				
Voltage Gradient No Load	V/1000/min	88,8	61	38,8
Max. Motor EMF	V	140	140	140
Max. Speed	min ⁻¹	1600	2300	3700
Continuous Stall Torque	Nm	6,0	6,0	5,9
Continuous Stall Current	A	7,5	11	16
Armature Polar Moment of Inertia	Kgm ²	0,00207	0,00207	0,00207
Current at Peak Torque	A	56	90	90
Peak Stall Torque	Nm	39,3	42	29,6
Torque Constant K _T	Nm/A	0,84	0,58	0,37
Viscous Damping	N/krpm	0,113	0,113	0,113
Winding				
Armature Resistance Less Brushes	Ohm	1,65	0,8	0,32
Armature Inductance	mH	6,1	2,9	1,2
Static Friction Torque	Nm	0,365	0,365	0,365
Motor Weight	Kg	12,5	12,5	12,5
Tachometer				
Voltage Gradient	V/1000/min *		7,0 / 9,5 / 30,0	
Ripple	%		2	
Brake				
Voltage	V		24 DC / 90 DC / 110 AC	
Power	W		16	
Holding Torque	Nm		12	
Weight	kg		2,5	

