

# NM4-2952 (MT30R4)

## Permanent Magnet D. C. Servomotors

### TECHNICAL DATA

Parameter	Units	(R4-58) <b>I</b>	(R4-46) <b>B</b>	(R4-37) <b>A</b>	(R4-25) <b>F</b>
<b>General</b>					
Voltage Gradient No Load	V/1000/min	60	45,4	37,8	26,4
Max. Motor EMF	V	140	140	140	100
Max. Speed	min <sup>-1</sup>	2400	3000	3700	3800
<b>Continuous Stall Torque</b>	<b>Nm</b>	<b>4,1</b>	<b>4,1</b>	<b>4,1</b>	<b>4,1</b>
<b>Continuous Stall Current</b>	<b>A</b>	<b>7,4</b>	<b>9,5</b>	<b>11,8</b>	<b>17</b>
Armature Polar Moment of Inertia	Kgm <sup>2</sup>	0,0014	0,0014	0,0014	0,0014
<b>Current at Peak Torque</b>	<b>A</b>	<b>73</b>	<b>90</b>	<b>90</b>	<b>90</b>
Peak Stall Torque	Nm	32,5	30	27,1	20,3
Torque Constant K <sub>T</sub>	Nm/A	0,567	0,434	0,357	0,25
Viscous Damping	N/krpm	0,075	0,075	0,075	0,075
<b>Winding</b>					
Armature Resistance Less Brushes	Ohm	1,26	0,68	0,452	0,25
Armature Inductance	mH	4,2	2,5	1,6	0,78
Static Friction Torque	Nm	0,3	0,3	0,3	0,3
Motor Weight	Kg	10	10	10	10
<b>Tachometer</b>					
Voltage Gradient	V/1000/min <sup>-1</sup>	7 / 9,5 / 30,0			
Ripple	%	2			
<b>Brake</b>					
Voltage	V	24 DC / 90 DC / 115 AC			
Power	W	16			
Holding Torque	Nm	12			
Weight	kg	2,5			

