



Tab. 2.3 - TR 3000 ST / MT technical features

VERSION		TR3000 ST / MT			
Payload		3000 kg			
Static torque (max continuative output torque)		4200 Nm			
Turnover moment (max moment of flexure)		41000 Nm			
Output rotation speed		50 °/s			
Max radial thrust		7300 N			
Maximum inertia (2)	horizontal table installation plane	3500 kgm ²	2500 kgm ²	1500 kgm ²	
	table 5° inclination installation plane	3250 kgm ²	2250 kgm ²	1250 kgm ²	
	table 10° inclination installation plane	3250 kgm ²	2250 kgm ²	1250 kgm ²	
Stopping distance (2)		12.8 °	10.2 °	7.7 °	
Controlled stopping time		0,5 s	0,4 s	0,3 s	
90°stroke time		(1) (2)	2,3 s	2,2 s	2,1 s
120°stroke time			2,9 s	2,8 s	2,7 s
180°stroke time			4,0 s	3,9 s	3,8 s
Repeatability at 500 mm		± 0.1 mm			
Motors		AC brushless			
Protection class		IP 65			
Working temperature		0 ÷ + 45 °C			
Storage temperature		- 40 °C ÷ + 60 °C			
Colour (standard)		Silver RAL 9006 or RAL 9005 Black			
Mounting plane inclination		0°; 5°; 10°			
Weight	TR 3000 ST / TR 3000 MT	790 kg			
	TR 3000 ST_WM / TR 3000 MT_WM (table without the drive unit)	760 kg			

(1) The times indicated in the table refer exclusively to the specific mechanical stroke of the axis. To evaluate the total time needed to execute a complete axis cycle it is necessary to add the times required by the devices used to manage the start and stop commands of the application (for example IEAK devices).

(2) Three performance levels are possible, according to the load inertia