

Torque Motors TRM Series

TRM Torque Motors

TRM series torque motors are frameless direct drive synchronous motors used in direct drive applications eliminating mechanical transmission elements such as gearboxes, timing belts, speed reducers and worm gears. MDS Motor offers a wide range of high torque frameless motors. TRM series motors have great variety in frame sizes from 130 mm up to 390 mm, winding options and stacks.

TRM series torque motors have a wide range of products as it has 3 different stacks for each of 14 different frame sizes.

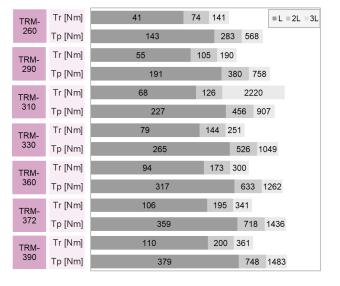


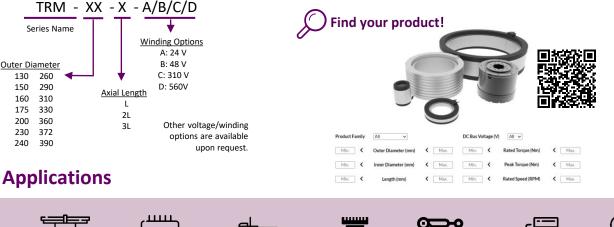
TRM Torque Motor Selection

	TRM-130	TRM-150	TRM-160	TRM-175	TRM-200	TRM-230	TRM-240	TRM-260	TRM-290	TRM-310	TRM-330	TRM-360	TRM-372	TRM-390
Stator OD [mm]	130	150	160	175	200	230	240	260	290	310	330	360	372	390
Rotor ID [mm]	55	70	80	88	120	148	158	178	200	220	240	270	287	290
DC Bus Voltage [V]	24/ 48/ 310/ 560													

TRM Series Torque Motor Range

TRM- 130	Tr [Nm]	6	12	22				L 2L 3	L
	Tp [Nm]	17		34 67		7			
TRM- 150	Tr [Nm]	9	17	7	32				
	Tp [Nm]	26	i			103	3		
TRM-	Tr [Nm]	11	;	22	40				
160	Tp [Nm]	3	4		65	1	34		
TRM-	Tr [Nm]	15		30					
175	Tp [Nm]		8	9	181				
TRM-	Tr [Nm]	20		3	70				
200	Tp [Nm]	60				122	2	42	
TRM-	Tr [Nm]	29	9		56	97			
230	Tp [Nm]		96				193	385	
TRM- 240	Tr [Nm]	3	5		65	1	16		
	Tp [Nm]			234	464				







Printing



Machine tools

130

150

160

175

200

230

240









Milling Heads

Medical

Semiconductor

Defence

Laser cutting







Main Features & Benefits

- 42 Standard motor sizes
- Rated torque up to 361 Nm
- Peak torque up to 1483 Nm
- Speed up to 725 rpm
- Outer diameter up to 390 mm
- Hollow shaft up to 290 mm
- 4 Different winding options (24 V/48 V/310 V/560 V)
- AC custom winding options
- Maximum torque-per-weight ratios
- Hall effect sensor option
- NdFeB or SmCo magnets

- Excellent dynamic response
- Very low torque ripple
- Extremely low cogging
- Optimal speed control
- Very high torque density
- Easy direct system integration
- Compact design
- Wide product range
- Lowest possible rotor inertia
- Excellent rotor integrity
- High reliability and lifetime





www.mdsmotor.com

MDS Motor Ltd. ⊠ info@mdsmotor.com √ +90 262 341 4470