



Synchronous Servo Motors

General purpose servo motors

Closing the price-performance gap between induction motors and high-end servo motors, MT servo motors are particularly suitable for price sensitive motion applications that require efficient servo performance and functionality.



Economical servo motor solution for general purpose motion applications

MT servo motors are perfectly suited, where stepper or induction motors compromise on performance and high-end servomotors are inefficient.

- Rated output power range from 50 W to 4.5 kW
- Rated output torque of 0.16 Nm to 28 Nm
- Torque range of up to 28 Nm (rated) and 71 Nm (peak)
- Rated speed of up to 3000 rpm
- Maximum speed of up to 6000 rpm

Broad range of motor options

- 7 frame sizes
- Winding options for 160, 320, 560 and 640 VDC
- Standard feedback options include incremental encoders with 2500 C/T or 8192 C/T and absolute encoders with up to 17 bit resolution
- Standard and high inertia options
- Optional holding brake
- Up to protection class IP67
- Insulation class B (130°C) or F (155°C)

Customization options

- Shaft and flange modifications
- Other feedback devices (e.g. resolver)
- Various connectors and cable configurations
- Optimized motor winding

Key benefits

- Cost-effective with excellent price-performance ratio
- High overload capacity
- Efficient torque performance
- Low noise and vibration-free operation
- Robust design with high power density
- Up to IP67 protection class
- Maintenance-free

Matched to Servotronics CDHD servo drives for optimal performance



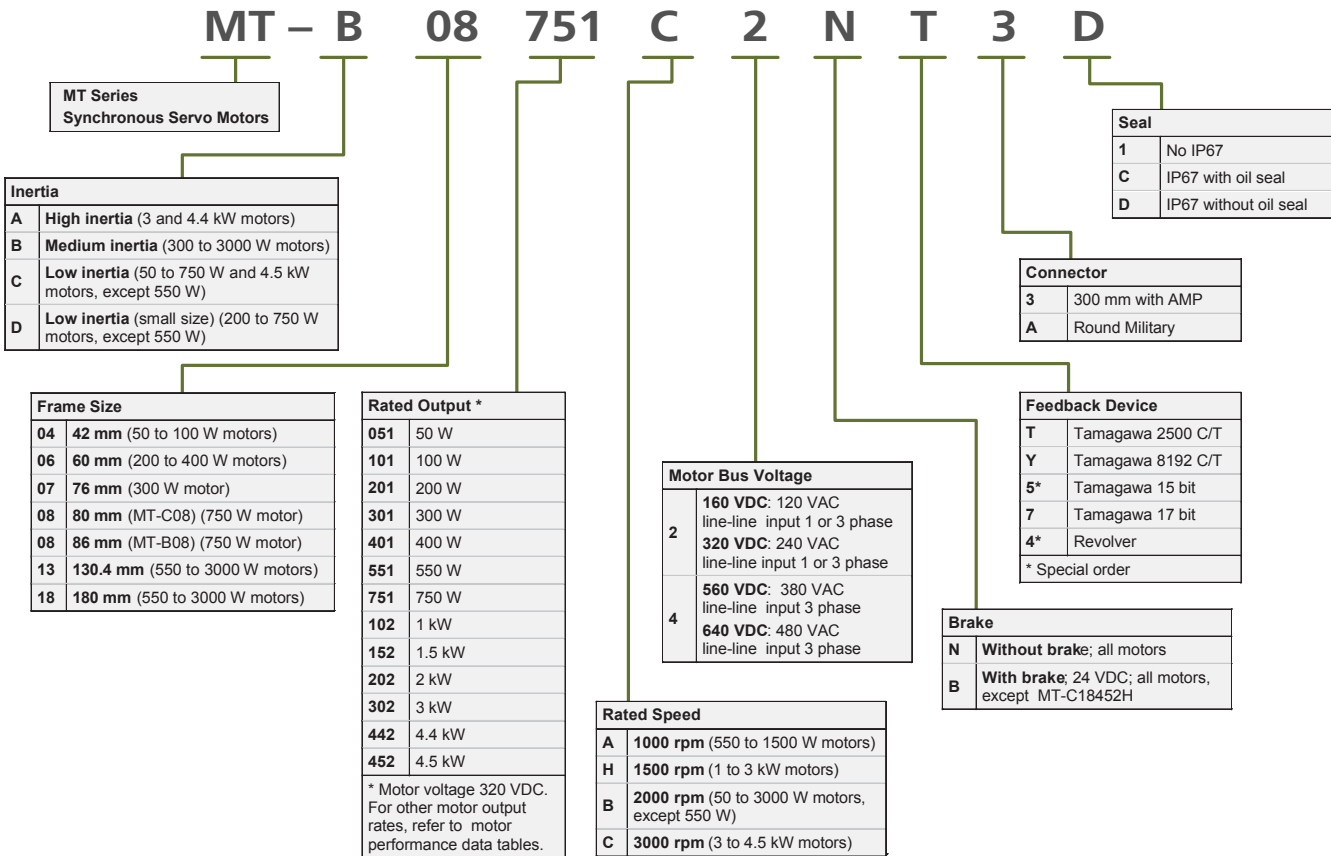
Current range: 1.5-30 cont. A rms

Rating and dimensions

Model	Frame Size (mm)	Voltage Options (VAC)	Power Range (W)	Rated Torque (Nm)	Peak Torque (Nm)	Max Speed (rpm)
MT-x04	42	120, 240	50-200	0.16-0.64	0.48-1.91	2600-5000
MT-x06	60	120, 240	200-400	0.64-1.28	0.90-3.82	2300-6000
MT-x07	76	120, 240	230-300	0.95	1.32-2.87	2600-5200
MT-x08	80, 86	120, 240	80-750	2.34-2.40	3.77-3.90	2000-5400
MT-x13	130.4	120, 240, 400, 480	500-2000	4.78-14.32	14.35-42.98	600-5000
MT-x18	180	120, 240	1800-4500	19.00-28.60	32.50-71.50	1150-2450

x- Inertia

Ordering information



DOC-MT-FL-EN V2

