

# D.C. TRACTION MOTORS & CONTROLLERS

MTMM-Series

**Introduction:**

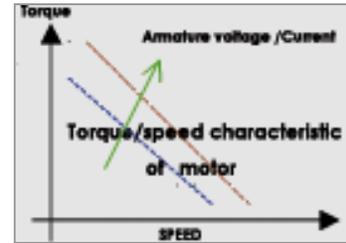
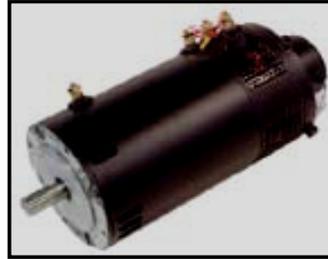
MTMM series of D.C. traction motors/drives are available in more than 100 different modes, virtually offering solutions to speed/torque control applications for all battery operated or main supply operated traction applications like public transportation, public/industrial load carriage, non conventional energy management applications, nuclear and defense and many other research & applications. Company also offers cascade -feedback control chopper drive system, which can be operated by battery to drive these traction motors.

**Feature:**

Compact and energy efficient and pollution free  
 Dynamically balanced & vibration-less motion  
 Inherent self-braking acting action, thus less hunting.  
 Maximum torque/k.watts.

**Applications**

Textile, paper, cement, Yarn, Sugar, plastic  
 Non-conventional energy, Breweries, Distilleries,  
 Chemical, Heavy engineering, Petrochem,  
 Medicine, defense, aerospace, automobile



**MTMM-200**  
**ELECTRICAL/MECHANICAL SPECIFICATIONS OF PERMANENT MAGNET MOTOR**

**Traction motor chopper**  
**POWER <10.0 K.Watts**

model	Power watts	R.P.M.	Torque N.m	Volts D.C.	Amps D.C.	Tmax, °C
MTMM-008	735.0	1500/3000	4.40/2.19	110/200	6.68/3.67	80
MTMM-010	1000.0	1500/3000	6.30/3.10	110/200	9.09/5.00	80
MTMM-015	1500.0	1500/3000	9.55/4.77	110/200	13.6/7.50	80
MTMM-020	2000.0	1500/3000	12.60/6.20	110/200/400	18.1/10.0/5.0	80
MTMM-030	3000.0	1500/3000	19.1/9.55	110/200/400	28.0/15.0/7.50	80
MTMM-050	5000.0	1500/3000	31.5/15.75	200/400	25.0/12.5	80
MTMM-070	7000.0	1500/3000	44.1/22.05	200/400	35.0/17.5	80
MTMM-080	8000.00	1500/3000	50.4/24.80	200/400	40.0/20.0	80
MTMM-150	15000.0	3000	489.6	120/200	190/80	80
MTMM-25000	25000.0	1500/3000	157.5/76.2	200/400	125.0/62.5	80
MTMM-6250	62000.0	1500/3000	315.5/152.5	400	125.0	80

Three numerals x 100 after MTMM indicates power of traction motors. Company offers battery/main operated traction motor drives controllers.

**TRACTION MOTOR & DRIVE CONTROLLER Specifications:**

Operating voltage 220 volts/110volts A.C.96/72/ 48 volts D.C.  
 Chopping frequency 50/400/1000 Hz  
 Excitation current 0.0- 400.0 amps(max)  
 Regulation better than 0.5 % of set speed  
 Accuracy 99.5% of set point  
 Repeatability 100 percent  
 Response time 0.05 –10.0 sec  
 Interface Signal 0.0-12.0 volts D.C.  
 Step down ratio 1:50(1:100)  
 Control option constant torque/speed mode/synchronous mode  
 Display RPM/Torque in 3½ & 4½ digit red glow LCD display  
 Protection: Over/under voltage & frequency with power on indication



**MPMM-500**

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