



Masterspeed

(MTS)

**DC SERVO
AMPLIFIERS**



P. N. : D.S. / 15.01.18 / MTS / 05

MODEL	MTS 60			MTS 140					MTS 200				
SIZE (A)	8/16	10/20	20/40	4/8	8/16	10/20	14/28	20/40	4/8	8/16	10/20	14/28	20/40
Nominal Current (Arms)	8	10	20	4	8	10	14	20	4	8	10	14	20
Peak Current (Arms) x 2 sec.	16	20	40*	8	16	20	28	40*	8	16	20	28	40*
FDC: Supply Line Fuse (T-type = time-lag)	8 A 250V	10 A 250V	20 A 250V	4 A 250V	8 A 250V	10 A 250V	14 A 250V	20 A 250V	4 A 250V	8 A 250V	10 A 250V	14 A 250V	20 A 250V
Supply (3PH)	44 VAC ¹			95 VAC ¹					145 VAC ¹				

¹ : Recommended DC power supply * : Peak current = x 1 second

STANDARD FEATURES

- u Driving motor range up to 15 Nm (2142.8 oz.-in.)
- u Internal power supply and dumping circuit
- u Built-in cooling fan when required
- u Surface Mount Technology
- u Five LED (Red/Green) indicating operating status
- u Five calibration potentiometers
- u IGBT or POWER MOSFET bridge
- u Removable power module
- u Completely protected from:
 - over/under supply voltage
 - over temperature
 - external short circuit motor polarity
 - faulty or inverted tachometer
- u **RD** Differential reference control mode
- u **TO** Tachogenerator feedback

SPECIFICATIONS

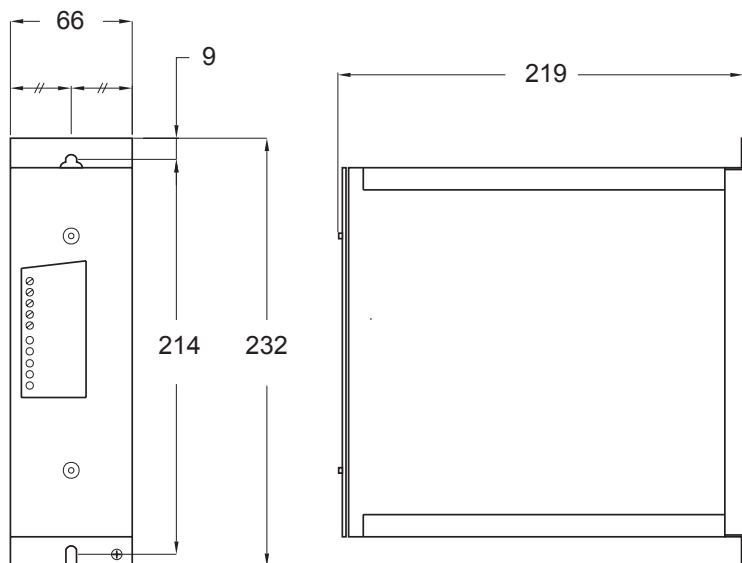
- u Supply voltage range: (MTS 60) = 22 - 44 VAC
(MTS 140) = 30 - 95 VAC
(MTS 200) = 45 - 145 VAC
- u Output voltage:..... 1.35x VAC supply
- u Input reference (differential):..... ± 10VDC
- u Input-output demand current:..... ± 10VDC
- u Output voltage for ext. use:..... +10 / -10VDC @ 3.5mA
- u Enable signals:..... +10 - 30VDC
- u PWM frequency:..... 20 KHz
- u Motor current monitor:..... ±7,5V (At peak current)
- u Operating temperature:..... 0 - 40 °C (32 - 104 °F)
- u Humidity(without condensation):..... 10 - 95%

OPTIONS

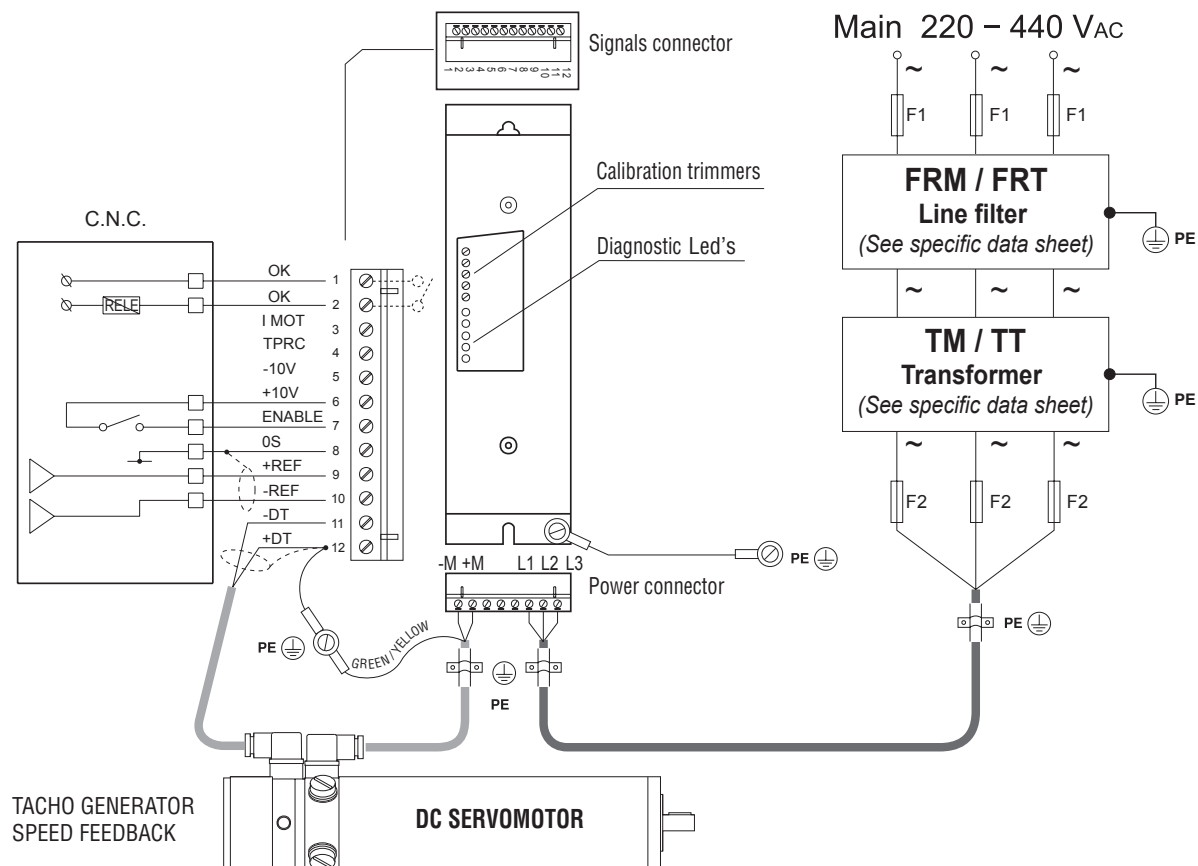
- u **A0** Armature Feedback
- u **E0** Encoder Feedback
- u **IO** Demand current (torque mode)
- u **PD** PWM + Direct



Dimensions in mm



Weight: 2.7 Kg



MTS - 200	-	10 / 20	-	RX	-	S	-	1000	/	T0	-	RD
DRIVE MODEL: MTS 60 MTS 140 MTS 200 SIZE: see table on reverse DUMPING SIZE: RX = internal standard resistors R4 = 400W external resistors (opt) R8 = 800W external resistors (opt) PROTECTION: S = Standard T = Tropicalized AXOR adjustment identification number FEEDBACK: T0 = Tachogenerator (DC) (std) A0 = Armature (opt) E0 = Encoder (opt) CONTROL MODE: RD = Differential reference (std) PD = PWM + Direct (opt) IO = Demand current (torque mode) (opt)												