



VERITAS Engineering

Catalog
Of

Transparent Machine LAB Trainer

Brand: VERITAS

Model: VTMLT-009



Specification:

(1) Single Phase Induction motor

- Full Transparent 6mm Thickness Fiber/Acrylic Body,
- 4mm safety jack Connection facility,
- Rated input Voltage: 220 V AC ($\pm 5\%$),
- Rated input Current: 0.10A ($\pm 5\%$),
- Rated Speed: 1400 rpm ($\pm 5\%$),
- Rated Power: 22W ($\pm 5\%$),
- Capacitor: 2uF,
- Dimension (Length x Diameter): (250mm x 170mm),
- Motor Outside Shaft Length: 35mm

(2) DC Permanent magnet motor

- Full Transparent 6mm Thickness Fiber/Acrylic Body,
- 4mm safety jack Connection facility,
- Rated Voltage: 220 V DC (+5%),
- Rated Current: 0.42A ($\pm 5\%$),
- Rated Speed: 3300 rpm ($\pm 5\%$),
- Rated Power: 92.4 W ($\pm 5\%$),
- Dimension (Length x Diameter): (150mm x 150mm),
- Motor Outside Shaft Length: 40mm

(3) DC Shunt wound motor

- Full Transparent 6mm Thickness Fiber/Acrylic Body,
- 4mm safety jack Connection facility,
- Rated input Voltage: 220 V DC ($\pm 5\%$),
- Rated input Current: 0.7Amp ($\pm 5\%$),
- Shunt field Current: 0.10Amp ($\pm 5\%$)
- Armature Current: 0.60 Amp ($\pm 5\%$),
- Rated Speed: 7000rpm ($\pm 5\%$),
- Rated Power: 154W ($\pm 5\%$)
- Dimension (Length x Diameter): (150mm x 150mm),
- Motor Outside Shaft Length: 40mm

(4) DC Series wound motor

- Full Transparent 6mm Thickness Fiber/Acrylic Body,
- 4mm safety jack Connection facility,
- Rated Voltage: 100 V DC ($\pm 5\%$),
- Rated Current: 0.41A ($\pm 5\%$),
- Rated Speed: 6600 rpm (15%),
- Rated Power: 41W ($\pm 5\%$),
- Dimension (Length x Diameter): (150mm x 150mm),
- Motor Outside Shaft Length: 40mm

(5) DC Compound wound motor

- Full Transparent 6mm Thickness Fiber/Acrylic Body,
- 4mm safety jack Connection facility.
- Dimension (Length x Diameter): (150mm x 150mm),
- Motor Outside Shaft Length: 45mm,

Short Shunt:

- Rated Voltage: 220V DC ($\pm 5\%$),
- Rated Current: 0.125A ($\pm 5\%$),
- Armature Current 0.055 (+5%),
- Shunt Current: 0.07 ($\pm 5\%$),
- Rated Speed: 1100 rpm ($\pm 5\%$),
- Rated Power: 15W ($\pm 5\%$),

Long Shunt:

- Rated Input Voltage: 220V DC ($\pm 5\%$),
- Rated Input Current: 0.25A ($\pm 5\%$),
- Rated Speed: 2000 rpm ($\pm 5\%$),
- Rated Power: 30W ($\pm 5\%$)

(6) Universal motor

- Full Transparent 6mm Thickness Fiber/Acrylic Body,
- 4mm safety jack Connection facility,
- Rated Input Voltage: 120 V AC/DC (+5%),
- Rated Input Current: 1.0 AAC/DC ($\pm 5\%$),
- Rated Speed: 8400 rpm (AC) ($\pm 5\%$),
- Rated Speed: 10000 rpm (DC) (+5%),
- Rated Power: 120W (+5%),
- Dimension (Length x Diameter): (150mm x 150mm),
- Motor Outside Shaft Length: 40mm

(7) Three Phase Induction motor (Y-Connection)

- Full Transparent 6mm Thickness Fiber/Acrylic Body,
- 4mm safety jack Connection facility,
- Rated Input Voltage: 400 V AC (+5%) Three Phase 3-wire,
- Rated Input Current: 0.085A ($\pm 5\%$),
- Rated Speed: 1450 rpm ($\pm 5\%$),
- Rated Power: 65W ($\pm 5\%$),
- Dimension (Length x Diameter): (250mm x 170mm),
- Motor Outside Shaft Length: 40mm

(8) Three Phase Rotor winding motor (Y-Connection)

- Full Transparent 6mm Thickness Fiber/Acrylic Body,
- 4mm safety jack Connection facility
- Rated Input Voltage: 400 V AC (+5%),
- Rotor Excitation Voltage: 50-100V (3-Phase Line to Line)
- Rated Speed: 1500 rpm ($\pm 5\%$),
- Dimension (Length x Diameter): (250mm x 170mm),
- Motor Outside Shaft Length: 40mm

(9) Synchronous motor (Y-Connection)

- Full Transparent 6mm Thickness Fiber/Acrylic Body,
- 4mm safety jack Connection facility,
- Rated Input Voltage: 400 V AC (+5%),
- Rated Input Current: 0.20A (+5%),
- Rotor Field Excitation Voltage: 50 VDC ($\pm 5\%$)
- Rated Speed: 1500 rpm (+5%),
- Rated Power: 140W (+5%),
- Dimension (Length x Diameter): (260mm x 180mm),
- Motor Outside Shaft Length: 40mm

**(10) Three Phase AC/DC Power Supply:**

- Rated Input Voltage: 400 V AC (+5%) Three Phase 4-wire,
- Rated Output Voltage: 400 V AC (+5%) Three Phase 4-wire,
- Rated Output Voltage: 0-400 V AC ($\pm 5\%$), Three Phase 4-wire,
- Rated Output Current: 5 AC (+5%),
- Rated Output Voltage: 120 V DC (+5%) ,5Amp,
- Rated Output Voltage: 0-220 V DC (+5%) ,5Amp
- Short Circuit Protection Facility,
- 4mm safety jack Connection facility,
- Air Cooling system facility

Accessories:

- 4mm safety Jack: 1 set
- User Manual: 1 Nos
- Motor Rack: 1 Nos
- Mounted Socket for Power Supply Unit: 1 Set