



TAPMOTION[®] MD-III

THE QUALITY MOTOR DRIVE UNIT.
SOLID DESIGN. REALLY RELIABLE.

WWW.REINHAUSEN.COM



TAPMOTION® MD-III

ALL YOU NEED FOR SAFE LTC OPERATION.

The motor drive unit is the key component for the operation of the on-load tap-changer VACUTAP® RMV-II. In combination with the proven monitoring system the TAPMOTION® MD-III provides safety and reliability to your network and industrial systems. The usage of approved failsafe electromechanical components allows the reliable operation even under harsh operating conditions.

Using a state-of-the-art assembly line guarantees highest quality standards and operational safety requirements for the TAPMOTION® MD-III. Furthermore by merging high quality components from MD-I and MD-II motor drives together with features from the world-wide proven TAPMOTION® ED motor drive into

a unique design platform ensures long term reliability by a solid design. The vacuum interrupter monitoring feature remains a standard component of the VACUTAP® RMV-II LTC line with the electronic module integrated inside the TAPMOTION® MD-III housing.

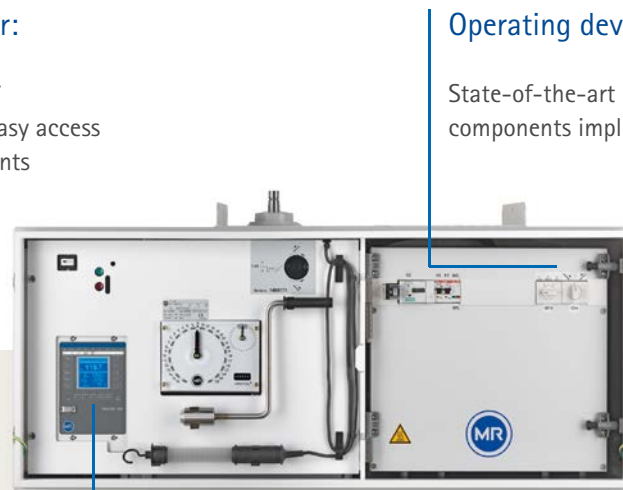


Housing with double door:

- Housing protection type IP54
- Double-door design allows easy access to all motor drive unit elements

One motor drive housing containing all components:

- All elements needed in the control circuit are integrated into one common housing
- All components are installed and wired by Reinhausen and tested prior to shipment



Operating devices:

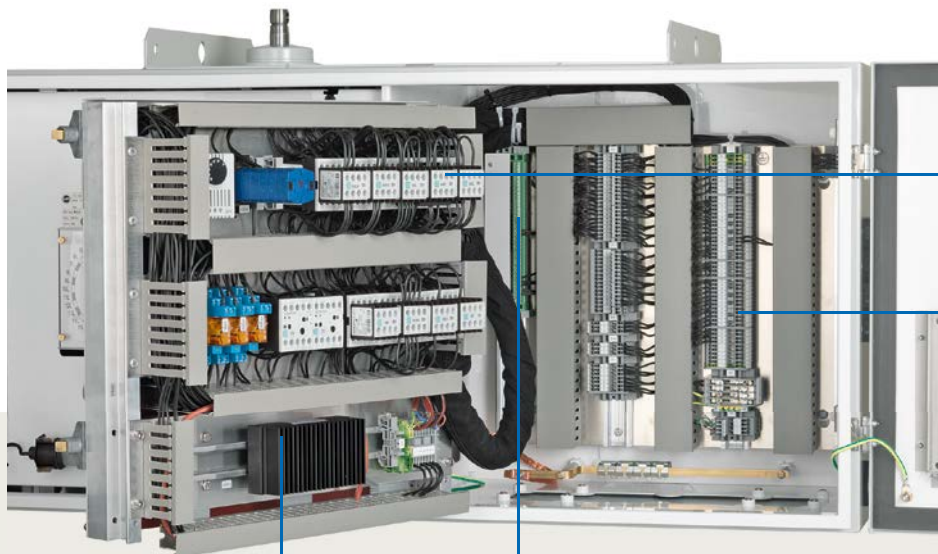
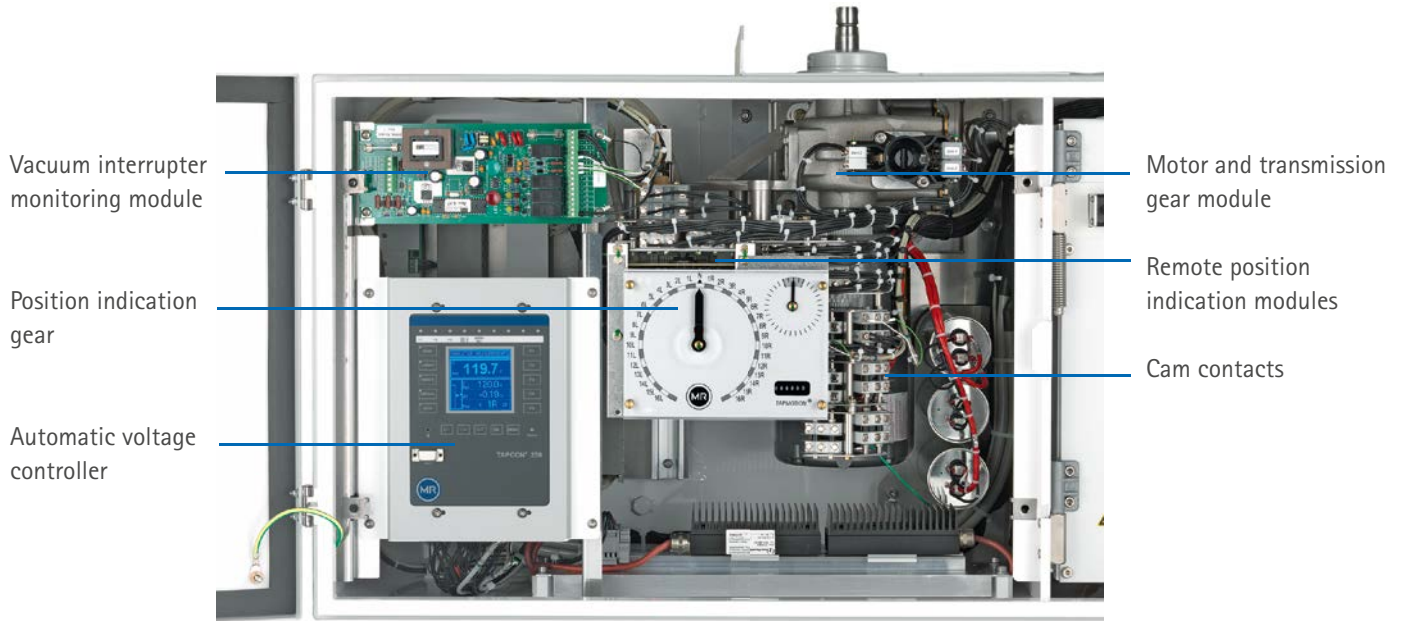
State-of-the-art components implemented

Built-in TAPCON® 250 (optional):

- The TAPCON® 250 can optionally be built into the drive unit
- Additional view glass in the front door allowing easy view of the controller screen

Modular design of components:

- Modular design concept permits effortless addition of functions
- Fixed terminal block numbers are assigned to specific functions allowing easy standardization
- Predetermined electrical and mechanical standardization of designs for each individual customer is offered



Robust design:

Contactors

Wiring terminal blocks:

- All terminal blocks are easily accessible from the front
- Ring-tongue- and pin-type terminals available

Heating concept:

- Permanent heater to keep the inside temperature above ambient temperature to prevent condensation inside the motor drive housing
- Optional arctic design with additional heater controlled by thermostat

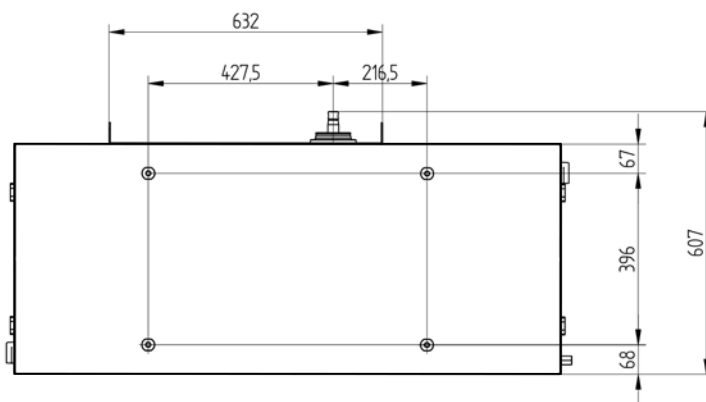
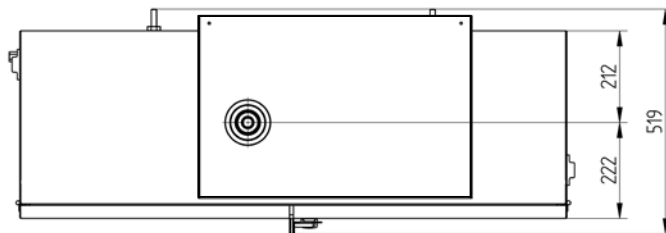
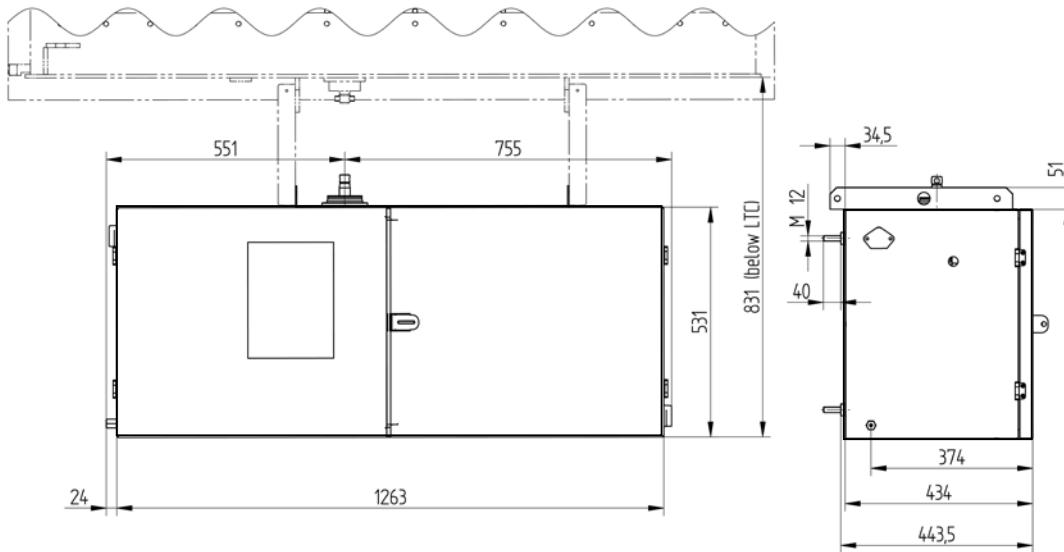
Position indicating modules:

- Well-proven design from the motor drive unit TAPMOTION® ED has been implemented
- Position indicating modules available as N/O contacts, potentiometer rows, digital and analogue signal outputs
- Additional position transmitters can easily be added in the field due to future user changing needs



TAPMOTION® MD-III

TECHNICAL DATA.



Technical data

- Dimensions 51.4" x 20.9" x 17"
(1,306mm x 531mm x 434mm) WxDxH
- Dimension bottom LTC tank to bottom motor drive unit 32.7" (831mm)
- Mounting points to the OLTC identical to MD-II
- Weight: approx. 110kg (242 lbs)
- Supply voltages,
 - 208/240V AC 60Hz
 - 120V AC 60Hz
 - 220V AC 50Hz
- Running time per tap change operation: approx. 2 seconds
- Operating positions
 - Max. 33 Pos.
 - Standard 16L...N...16R
 - Others upon customer request
- Mounting options
 - Directly underneath the LTC compartment
 - Ground level design

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THE POWER BEHIND POWER.

