

# TractionElite $fl^2$ MRL-F & MRL-E

Machine room less - in new or existing cabinet

## TractionElite H2 MRL-F and MRL-E

are everything you love from Hydroware, now for traction lifts. Already, with hundreds of projects world-wide. With Hydroware you get fast and reliable delivery, market leading support, and outstanding installation and commissioning time. Take the guess work out of traction lift modernisation.

- Installation - fast and simple
- 10" touch display
- Stay connected - HydroCloud

### MRL-F | Floor

- Controller in new **floor** cabinet
- Place on any floor
- Comes with new cabinet

### MRL-E | Existing

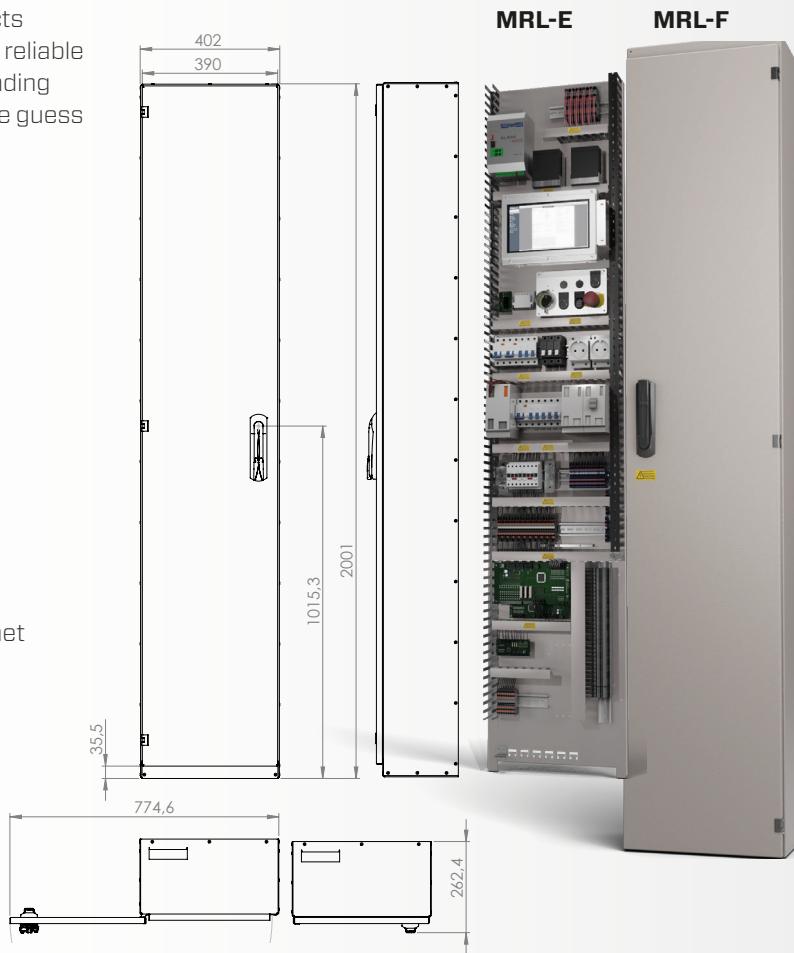
- Controller installed in the **existing** cabinet



### TractionElite H2 ECO

- With energy regeneration

## Standard measurements



**TractionElite  $fl^2$**  - One for All: Same user interface for HydroElite and TractionElite



Sustainable lift  
Modernisation of  
traction lifts



Superior installation  
Reduced  
installation time



10" touch display  
Simple navigation  
and clear overview



CANopen Lift  
Flexibility and  
less cables



HydroCloud connection  
Surveillance, access and  
updates with cloud connection

# ff<sup>2</sup> - What sets it apart



## Installation - fast and simple

- CANopen Lift technology
- No floor zone sensors needed
- Decentralised lift control system
- Less cables and hardware
- Innovative pit box
- Simple commissioning
- SIL3 certified - Position Supervisor Unit



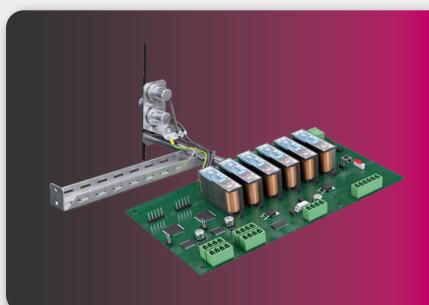
## 10" touch display

- Easy to navigate
- Language options
- Instruction movies in display
- Training sessions simplified
- Integrated diagnostic tool
- Real time and historical data
- Safety circuit overview
- Full accountability



## Stay connected - HydroCloud

- HydroCloud connection
- Always updated documentation
- Remote software updates
- Remote monitoring
- Access from anywhere
- Live internal drawings
- Better planning of maintenance
- Constantly evolving IoT



### PSU ff<sup>2</sup> DILIGENS

A safe absolute positioning system with UCM and overspeed tripping functions. Activates electrical safety gears and **replaces all safety-relevant limit switches and floor sensors**.

- SIL3 compliant and certified according to EN81-20/50 PESSRAL
- Certified for low top and low pit
- Replaces mechanical props for low pit/top in combination with electrical safety gears



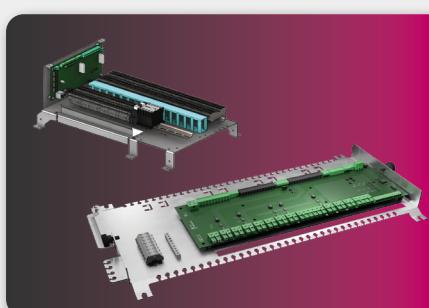
### 10" touch display and accessibility

The control unit is fitted with a 10-inch high resolution touch display. Among other features, the user will be able to find documentation, schematics, historical data and error logs directly in the display. Furthermore, there are instruction movies and language options available. The lift controller is accessible from any smart device and enables the user to connect to the controller from anywhere in the lift shaft.



### Surveillance, access and updates with cloud connection

All units come with HydroCloud readiness. Thanks to the HydroCloud connection, the unit can be accessed from anywhere. The unit can be updated remotely, and documentation will always be up to date. The system is open and can be adapted to work with other monitoring systems on the market.



### Pit and car node - improved

Our new innovative pit node is installed in the shaft pit (place anywhere below floor node 1) cuts down the number of wires that run between shaft and machine room. A new version of the pit node is available for machine rooms on-top, with a connectable cable, allowing for a smoother and faster installation. The improved car node allows for a neater and more professional looking installation.

