RX 50 Technical Data.
Electric Forklift Truck
### Characteristics

<table>
<thead>
<tr>
<th>4.1 Tilt angle, mast/fork carriage forwards</th>
<th>4.1 Tilt angle, mast/fork carriage backwards</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2 Closed mast height</td>
<td>4.3 Free lift</td>
</tr>
<tr>
<td></td>
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<td></td>
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</tbody>
</table>

### Weights

<table>
<thead>
<tr>
<th>2.1 Weight</th>
<th>2.2 Axle load with load front</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

### Dimensions

| 4.1.1 Tilt angle, mast/fork carriage backwards |
|-----------------------------------------------|-----------------------------------------------|

### Performance

<table>
<thead>
<tr>
<th>5.1 Driving speed with load</th>
<th>5.2 Lift speed with load</th>
</tr>
</thead>
</table>

### Other

<table>
<thead>
<tr>
<th>8.4 Noise level, driver's ear</th>
<th>8.3 Oil flow for attachment</th>
</tr>
</thead>
</table>

### Notes

Alternative tyres, mast types, ancillary equipment, etc. could result in different values.
### Gradients

Maximum travel distance per hour.

<table>
<thead>
<tr>
<th>Without load</th>
<th>With load</th>
</tr>
</thead>
<tbody>
<tr>
<td>RX50-10 C</td>
<td>RX50-10</td>
</tr>
<tr>
<td>25%  1627 m</td>
<td>1628 m</td>
</tr>
<tr>
<td>20%  3275 m</td>
<td>3232 m</td>
</tr>
<tr>
<td>15%  4515 m</td>
<td>4492 m</td>
</tr>
<tr>
<td>10%  5775 m</td>
<td>5805 m</td>
</tr>
<tr>
<td>5%   8505 m</td>
<td>8641 m</td>
</tr>
</tbody>
</table>

### Variable speed

<table>
<thead>
<tr>
<th>Tyres</th>
<th>Track width front b10</th>
<th>Truck width b1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE 180/70-8</td>
<td>mm 840</td>
<td>mm 990</td>
</tr>
<tr>
<td>SE 180/70-8</td>
<td>mm 872</td>
<td>mm 1028</td>
</tr>
<tr>
<td>SE 200/50-10</td>
<td>mm 930</td>
<td>mm 1137</td>
</tr>
<tr>
<td>Solid rubber 18 x 7 x 12 1/8</td>
<td>mm 892</td>
<td>mm 1078</td>
</tr>
<tr>
<td>Solid rubber 18 x 7 x 12 1/8</td>
<td>mm 1004</td>
<td>mm 1192</td>
</tr>
</tbody>
</table>

For capacities, please refer to the respective diagrams.
The indicated values may differ depending on the installed equipment.
Basic capacities RX 50-15 tele/HiLo mast, SE tyres

Basic capacities RX 50-15 tele/HiLo mast, solid rubber tyres

Basic capacities RX 50-16 tele/HiLo mast, SE tyres

Basic capacities RX 50-16 tele/HiLo mast, solid rubber tyres

Basic capacities RX 50-15 triplex mast, SE tyres

Basic capacities RX 50-15 triplex mast, solid rubber tyres

Basic capacities RX 50-16 triplex mast, SE tyres

Basic capacities RX 50-16 triplex mast, solid rubber tyres
Overall concept:
The RX 50 is the most compact electric three-wheel, rear wheel driven fork lift truck of its class. It is seamlessly integrated into the family of the STILL electric forklift trucks. The RX 50 is especially suitable to load and unload lorries, containers, train carriages and to move pallets inside the warehouse (Figure 1).

Drive.
- 24 volt 3-phase drive motor acts directly on the steered rear wheel for high performance and driving dynamics.
- Capsulated AC drive and pump motor.
- Electrical wear free braking.

Ergonomics.
- Large driver’s compartment.
- High operational comfort for the driver due to optimum layout of all controls.
- Excellent vision to all sides.

Safety.
- Optimum stability due to low centre of gravity.
- High residual capacity also at high lift heights.
- Excellent driving stability by optimised Curve Speed Control.

Environment.
- Outstandingly low energy consumption for all work cycles.

Service.
- Shortest maintenance interval 1000 hours or 12 months.
- Quick diagnosis via a laptop computer.
- Optimum maintenance access.
- Control unit protected by the counterweight.

Technical features:

Driver’s compartment.
- Low access height.
- Long grab handle on the overhead guard for different reach heights.
- Large footwell and inclined floor plate with anti-slip covering.
- Automotive style layout of foot pedals.
- Slim steering column without obstructing displays.
- Heated, fully graphical display with background lighting.
- Display and control unit directly in the field of vision of the driver (Figure 2).

Adaptable drive control.
- Acceleration and braking of the truck are operated by the drive pedal alone.
- Five selectable driving programmes allow the driver to adapt the driving characteristics at all times.
- Individual settings for speed, acceleration and braking within each driving programme.

Blue-Q energy program.
- Activate the Blue-Q efficiency mode of the truck at the push a button.
- Energy saving due to intelligent optimisation of the drive characteristics without impairing the work process.
- Intelligently switches off electrical consumers.
- A saving in energy consumption of up to 12% depending on the application and the truck’s equipment

Electrical system.
- Modern CAN-bus technology.
- 24 Volt electric equipment.
- Electrical system operates digitally.
- Two independent CAN-bus systems allow independent operation of the drive system and other functions of the truck.
- Tough control with two processors monitoring each other.
- Corrugated pipes and watertight plug connectors protect electrical connections.
- Pre-installed terminals allow easy, modular retrofitting of additional electrical equipment.

Mast and hydraulics.
- Free view fork carriage with open frame profile.
- Wide, open telescopic mast with or without full free lift, also available as triplex version.
- Auto-adapting valve and steering control with dynamic power supply to match the speed of the pump motor with the demand.
- Sensitive hydraulics controly with multi-levers for exact positioning.
- Low noise hydraulic pump.

Additional equipment (options)

Truck equipment.
- Superelastic or solid rubber tyres.
- Closed height less than 2 m to pass doorways.

Battery change from the side.
- Simplified decentralised charging of exchange batteries for multi-shift operation.
- Fast and efficient battery change.
- Minimized risk of damaging the battery or the truck.
- Higher safety.
- No battery lifting gap in the overhead guard improves upward vision and enables a better fit for the roof screen thus reducing vibration noises (Figure 3 and 4).
Cabin equipment.
- Modular cabin design with front and roof screen.
- Canvas cabin with large window, side and rear covers.
- Large windscreen wipers for front screen, standard with washer system.
- Unbreakable interior and exterior mirrors.
- Comfort seats with cloth covering, air suspension, seat heating, lumbar support and high backrest.
- Easybelt seat belt system.
- Retaining bar on the seat.
- Retaining bar doors.
- Load rest.
- Protective roof grid.
- Sun visor.
- Writing pad, document pocket.
- Cold store version.

Controls.
- Two pedal drive control.
- Operation of hydraulic functions by joystick, Fingertipp controls or mini-levers.

Electrical equipment and truck control.
- Driver assistance systems for additional safety e.g. safety belt monitor or reduced driving speed while the fork is raised.
- General speed limit.
- Automotive style lighting system, appropriate for road traffic use.
- Spotlights front and/or rear, for front also available as twin spotlights.
- Warning lights.
- Preparation for material flow management systems (MMS).
- FleetManager allows to assign access permissions, analysis of operating data and accident recorder.
- Data communication also wireless.

Mast and hydraulics.
- Auxiliary hydraulics to control functions of attachments.
- Different widths of fork carriages and different fork lengths.
- Attachments to suit the loaded goods.
- Oil accumulator dampens transition jerks in the hydraulic system.
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