Requires adaptation of the tractor (electrical connector, Linde red/anthracite paintwork with fixed or adjustable forks, Bridge-frame, Platform-frame, Different load carrier modules available: C-frame, E-frame in straight direction

Slow speed in curves until the last axle of the train is back on the tracks.

Operating hour meter and maintenance indicator

Crab motion for obliquely side positioning of the train

Economical energy consumption

Lifting speed max. 10 mm/s

Adjustable lifting height: 0 – 80 mm

Continuously monitored electrical steering system with active curve correction

Load carrier modules are lowered automatically when the load carrier module is in contact with the ground.

Automatic tractor drive-lock when load carrier modules are lowered

CAN bus communication between tractor and modules

Load carrier modules

Control console on truck and additional lift-operation at the load carrier module

Possibility to lift different sizes of loads on trolleys from diameter 250 mm

Load-carrier modules are equipped with PU-tires with exchangeable narrow wheel treads

Capacity of 800 kg / 1000 kg / 1600 kg / 2000 kg

Electrically powered lifting-spindles

Standard equipment/Optional equipment

Remote diagnostics (Rear-, brake- and flashing light, rotating light)

Lighting equipment at the last load carrier module

Outdoor package with SE-twin-tires

Weather protection with printed logo

Other load/trolley dimensions

Customized load carrier modules adapt to existing trolleys

Performance

The module base principle with its interdisciplinary views is an efficient and rationalization method for a good national and international load handling. It allows the simultaneous transport of various goods in the train. The fully electrical steering is monitored and measurable, as it forms a basis for dynamic and stability in the train system and gives a best in class directional driving stability. The shock absorption elements combined with the optional available weather protection, offers the best possible conditions for the operator.

Reliability

The FTC load carrier modules are designed for consistent reliability and meets all requirements.

Serviceability

The innovative Factory Train Compact (FTC) brings a new dimension in efficient and safe material handling for production plants. The 3-point suspension ensures that a large portion of the linear forces is reduced when the train is in contact with the ground and the answer safety applications. The green units with flexible joints are able to adapt to the load carrier module and the train consequences very efficiently. An integral drive-lock prevents the tractor moving with lowered load carriers. On-site control of the load carrier modules guarantees a faultlessly smooth and comfortable operation and is closed for maintenance purposes.

Comfort

The train delivers a comfortable and smooth driving and the quiet operation, electrical suspension lifting is possible from the factory as an option. The good handling provides particularly in the train system, where tight distances exist and allows for a sustainable follow up on existing components. This, combined with the up-to-date electronics for operation and handling, allows the trend set since years to follow, all new possibilities for the operator.

Safety

For on-site-control the lift can be time-saving pre-lifting and pre-lowering of the load carrier module. The CAN bus controller with data memory is easily maintained basic construction and the tractor can be exchangeable. The CAN bus controller provides visual feedback of lift and lowering of the load carrier module, which is time-saving pre-lifting and pre-lowering of the load carrier module.

Comfort

The lift operation can be performed from the control console at the load carrier module.

Product information

Linde Factory Train Compact

FT08 C – FT20 C

Capacity: 800 - 2000 kg

Parts list

Linde Material Handling GmbH, Postfach 10 0136, 63701 Aschaffenburg, Germany

Phone +49.60 21.99-0, Fax +49.60 21.99-15 70, www.linde-mh.de, info@linde-mh.de

Lifting and lowering of the load carrier module is easy and quiet. The sensitive control of the load carrier module, allows it to be designed for consistent reliability in demanding outdoor and indoor applications. The rugged construction of the load carrier modules, the included lift for cornering, the shock absorbing elements combined with the optional available weather protection, offers the best possible conditions for the operator.

Safety

The lift operation can be performed from the control console at the load carrier module.

Electrical Specifications

For on-site-control the lift can be time-saving pre-lifting and pre-lowering of the load carrier module. The CAN bus controller with data memory is easily maintained basic construction and the tractor can be exchangeable. The CAN bus controller provides visual feedback of lift and lowering of the load carrier module, which is time-saving pre-lifting and pre-lowering of the load carrier module.

Comfort

The lift operation can be performed from the control console at the load carrier module.

Lifting and lowering of the load carrier module is easy and quiet. The sensitive control of the load carrier module, allows it to be designed for consistent reliability in demanding outdoor and indoor applications. The rugged construction of the load carrier modules, the included lift for cornering, the shock absorbing elements combined with the optional available weather protection, offers the best possible conditions for the operator.
### Key characteristics (according VDI 2198)

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>FT08 C / FT10 C</th>
<th>FT16 C / FT20 C</th>
<th>C-frame / E-frame</th>
<th>QS-frame / Platform-frame</th>
<th>Bridge Frame</th>
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</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
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<tr>
<td>Wheelbase</td>
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<tr>
<td>Fork spread</td>
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<tr>
<td>Climbing ability</td>
<td>-</td>
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<tr>
<td>Lowering speed</td>
<td>0.01 m/s</td>
<td>0.01 m/s</td>
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<tr>
<td>Mast/fork carriage tilt</td>
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<tr>
<td>Tyres size, rear</td>
<td>250 mm</td>
<td>250 mm</td>
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<tr>
<td><strong>Weights</strong></td>
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<tr>
<td>Service Weight</td>
<td>210 kg</td>
<td>280 kg</td>
<td>310 kg</td>
<td>410 kg</td>
<td>600 kg</td>
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<tr>
<td><strong>Characteristics</strong></td>
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<td><strong>Service brake</strong></td>
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<td>Lift h</td>
<td>0-80 mm</td>
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<tr>
<td>Height of mast, lowered</td>
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<tr>
<td><strong>Lift function</strong></td>
<td>Serially / integrated into weighing system</td>
<td>Serially / integrated into weighing system</td>
<td>Serially / integrated into weighing system</td>
<td>Serially / integrated into weighing system</td>
<td>Serially / integrated into weighing system</td>
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<tr>
<td><strong>Steering system</strong></td>
<td>Fully electrical steering</td>
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<td><strong>Weather protection</strong></td>
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<tr>
<td><strong>Options</strong></td>
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<td>Lighting in accordance with regulations</td>
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<td>Load-time diagram  – FT08 C</td>
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<td>Load-time diagram  – FT10 C</td>
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<td>Load-time diagram  – FT16 C</td>
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<td>Load-time diagram  – FT20 C</td>
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</table>

### Additional details

- Values given only for load dimension 1200x800 mm
- Ground clearance FT16 C / FT20 C with SE twin tyres: 186 mm
- Track width 880/1250 mm for load capacity 0.8/1.0t; track width 1250/1600 mm for load capacity 1.6/2.0t
- Values analog to FT08 C / FT10 C / FT16 C / FT20 C
- Values for load dimension 1200x800 mm
- Suspension serially / integrated into weighing system
- Steering system Fully electrical steering
- Weather protection
- Options
- Lighting in accordance with regulations
- Load-time diagram for SE-wheels
- Load-time diagram for FT16 C
- Load-time diagram for FT20 C