Technical Data

Straddle Carrier Model Range

<table>
<thead>
<tr>
<th></th>
<th>1 over 2</th>
<th>1 over 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Length</td>
<td>10,000 mm</td>
<td>10,000 mm</td>
</tr>
<tr>
<td>B: Width</td>
<td>4,940 mm</td>
<td>4,940 mm</td>
</tr>
<tr>
<td>C: Height</td>
<td>12,700 mm</td>
<td>15,600 mm</td>
</tr>
<tr>
<td>D: Height under spreader</td>
<td>9,200 mm</td>
<td>12,000 mm</td>
</tr>
<tr>
<td>Stacking capacity</td>
<td>3 high</td>
<td>4 high</td>
</tr>
<tr>
<td>Total empty self weight</td>
<td>62 t</td>
<td>64 t</td>
</tr>
</tbody>
</table>

All Models

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Wheel base</td>
<td>2000 / 3700 / 2000 mm</td>
</tr>
<tr>
<td>Turning radius</td>
<td>9610 mm</td>
</tr>
<tr>
<td>Lifting capacity</td>
<td>40 t single lift</td>
</tr>
</tbody>
</table>

Straddle Carrier Features

- Drive, steer and brake by wire
- Electric AC Inverter drives
- Rope winch hoist with external disc brake
- Electric power regeneration on hoist lowering
- Hydraulic spreader
- Diesel engine with insulated enclosure
- Ergonomically designed cabin

Working Speeds

- Lifting speed full load: 18 m/min
- Lifting speed empty: 26 m/min
- Driving speed full load: 30 km/h (25 km/h - 4 high)
- Driving speed empty: 30 km/h (25 km/h - 4 high)

Transmission

- Control system: Liebherr
- Type: AC electric drive
- Operational brake: Electric and hydraulic
- Tyre size: 16.00 R25

Engine - Generator

- Power rating: 340 kW
- Engine type: Volvo-Penta
- Fuel Tank: 2 x 750 l

Driver’s Environment

- Cabin dimensions: 2,100 X 1,500 X 2,000
- Standard position: Front left, inset
Container Skew and Side-Shift

**Spreader features**
- Hydraulic spreader with telescoping locks
- Heavy-duty pantograph arm
- Optional auto spreader alignment and landing feature

**Electronic Steering and Braking System**

**Steer and Brake by wire**
- Electronically adjustable steering and braking sensitivity
- Small turning circle
- Four individually steered axles
- Greater manoeuvrability
- Shock relief valves for impact protection
- Continuous automatic wheel alignment correction greatly reduces tyre wear
- Electrical brake regeneration
- Multi-disc wet brakes
Liebherr Straddle Carrier

- Liebherr AC inverter drives for travel, hoist and auxiliary functions
- Fine inching control for maximum manoeuvrability
- Independent hydraulic system per side to maximise reliability and minimise maintenance
- Reduced environmental impact with less oil than conventional straddle carriers.

- Optimum driver comfort due to spacious cabin and drive-by-wire technology
- Maintenance friendly design for ease of access to all service points
- Worldwide Liebherr service network