

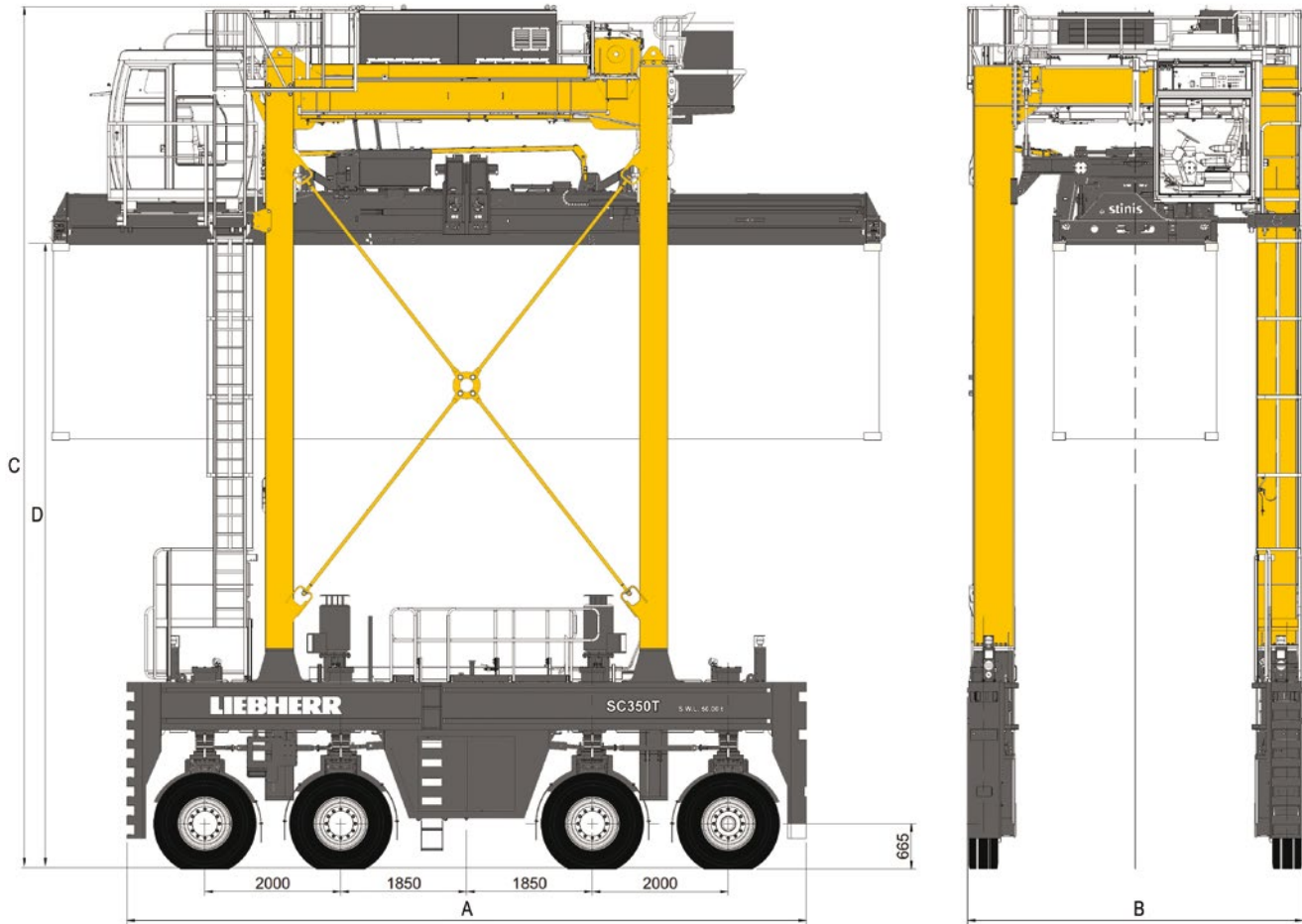
Technical Description Straddle Carrier

SC



LIEBHERR

Technical Data



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

Straddle Carrier Model Designation

SC 3 40 S

- Single lift
- Safe working load (SWL), tonnes
- 3 high stacking (1 over 2)
- Straddle carrier

Straddle Carrier Model Range

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

All Models	
Wheel base	2000 / 3700 / 2000 mm
Turning radius	9610 mm
Lifting capacity	40 t single lift 50 t twin lift

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

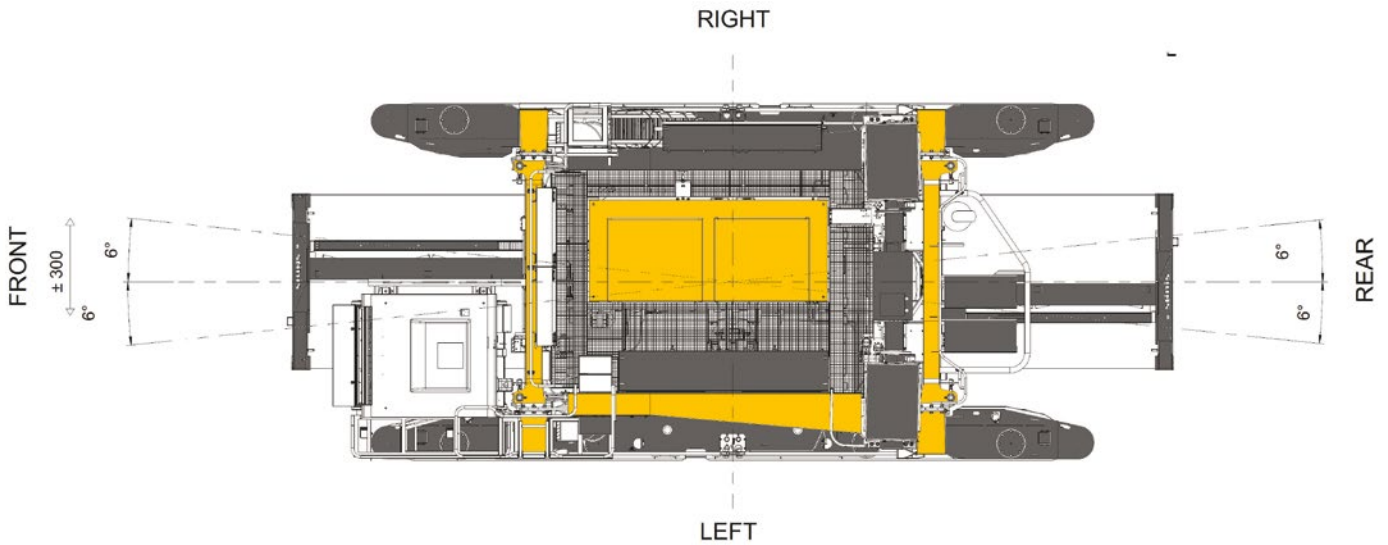
Engine - Generator

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
- Optimum driver comfort due to spacious cabin and drive-by-wire technology
- Fine inching control for maximum manoeuvrability
- Maintenance friendly design for ease of access to all service points
- Independent hydraulic system per side to maximise reliability and minimise maintenance
- Worldwide Liebherr service network
- Reduced environmental impact with less oil than conventional straddle carriers.

