

# Mobile Crane

# LTM 1200-5.1

Max. lifting capacity: 200 t  
Max. lifting height: 101 m  
Max. working radius: 80 m

**LICCON2**



# LIEBHERR

# Mobile Crane LTM 1200-5.1

## Flexible and economical to operate



A long telescopic boom, high capacities, an extraordinary mobility as well as a comprehensive comfort and safety configuration distinguish the mobile crane LTM 1200-5.1 from Liebherr. The 200-tonne crane offers state of the art technology for more convenience in practical operation.

- **72 m long telescopic boom and 7 m telescopic boom extension**
- **12.2 m – 36 m long folding fly jib, hydraulically adjustable (option)**
- **Capacity 10.6 t at the 72 m long telescopic boom**
- **Great flexibility of use due to optimum lifting capacities with full and partial ballast**
- **Active, speed-depending rear-axle steering**
- **Pneumatic disc brakes**
- **LICCON2-control with mobile control and display unit BTT**



# Variable steering concept



## Centring cylinder to straighten rear axles

- Automatic straightening of rear axles in case of failure

## Active rear-axle steering

The rear axles are electro-hydraulically actively steered depending on the speed and the steering angle of the front axles. Five different steering programmes (P) can be selected by push button.

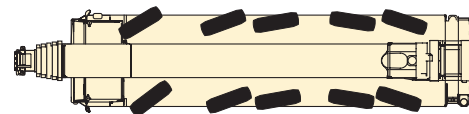
- Distinct reduction of the tyre wear
- Improvement of the manoeuvrability
- Stable driving performance even at high speeds
- All 5 axles steerable

## High safety standards - entire know-how from Liebherr

- Centring cylinder for automatic straightening of rear axles in case of failure
- Two independent hydraulic circuits with wheel- and engine driven hydraulic pump
- Two independent control computers

### P1 Road steering

Axes 1 and 2 are steered mechanically using the steering wheel. Axes 3, 4 and 5 are actively steered, depending on speed and the front axles lock angle. At speeds of 30 km/h and over, axes 3 and 4 are set to straight-ahead position and locked; at 60 km/h and over, axle 5 is locked in the same forward position.



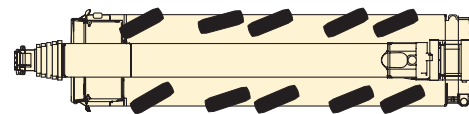
### P2 All-wheel steering

The axes 3, 4 and 5 are turned depending of the axle lock of the front axles by the steering wheel so far that smallest turning radii are achieved.



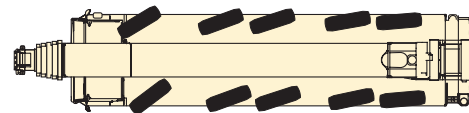
### P3 Crab steering

Axes 3, 4 and 5 are turned in the same direction as the wheel lock on axes 1 and 2 using the steering wheel.



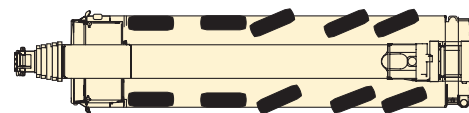
### P4 Reduced swing out

The axes 3, 4 and 5 are turned depending on the axle lock of the front axles, so that the swing out of the chassis rear gets minimized.

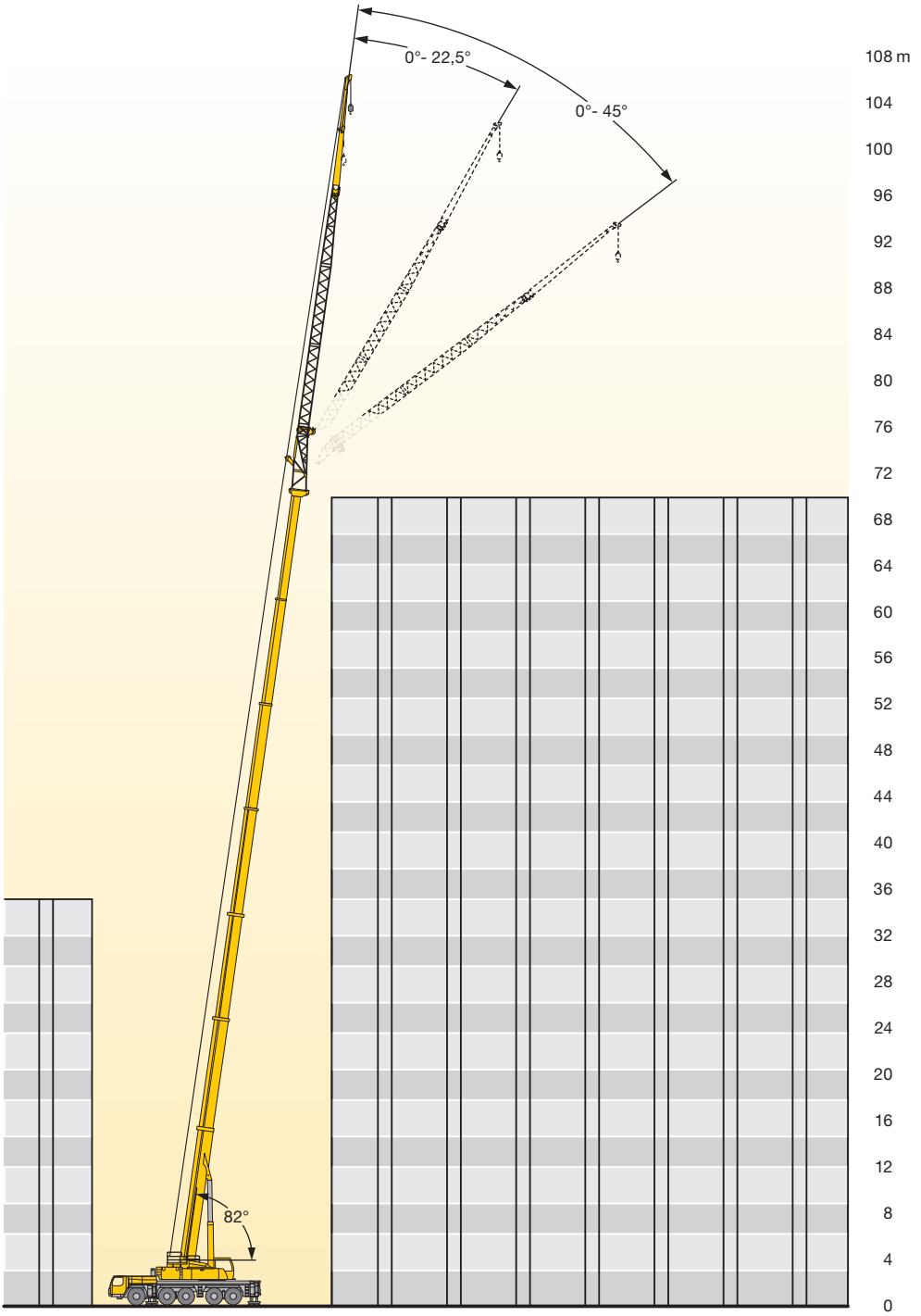


### P5 Independent rear-axle steering

The axes 1 and 2 are turned by using the steering wheel; the axes 3, 4 and 5 are steered by push button independently from the axle lock of the axes 1 and 2.



# Hydraulic folding jib



Adjustable folding jib (0° to 45°)



Hose reel for the hydraulic cylinder

