Compact, manoeuvrable and weight-optimized.
- Overall length 14.86 m, length of carrier 12.67 m
- Large overhang angles of up to 23° at vehicle front and rear
- Minimum turning radius of 10.8 m over vehicle with all-wheel steering
- 60 t total weight incl. 7 t counterweight, drive 10 x 8,
  TELMA type eddy current brake (optional) tyre size 16.00 R 25 - vehicle width 3 m
- 8 optional tyre sizes
  - 14.00 R 25 - vehicle width 3 m
  - 16.00 R 25 - vehicle width 3 m

Variable drive and steering concept
- Drive 10 x 6, axles 1, 4 and 5 driven, at road travel 4th and 5th axle driven, 1st axle activatable for offroad operation
- Drive 10 x 8 (optional), axles 1, 2, 4 and 5 driven, axles 4 and 5 driven at road travel, 1st and 2nd axle activatable for offroad operation
- Standard all-wheel steering, 4th and 5th axle steerable independent of axles 1, 2 and 3 (crab steering). The additional hydraulic steering is locked mechanically for road travel
- 23 semi-integral power steering with 3 hydraulic pumps (dual circuit system)

Setting crane on outriggers - quick, convenient and safe
- Variable supporting basis
  - Outriggers retracted
  - Supporting basis 9 m x 8.16 m
- Fixed-mounted supporting pads, protected by splash guards, weight 50 kg
- Travel of supporting rams 700 mm
- ≤ 9° lateral inclination of chassis and crane structure
- Electronic inclination display
- Illuminated and dirt-protected reflecting beacons
- Operation of outrigger system in accordance with the rules for the prevention of accidents

The new LTM 1150/1 - more benefits

Product advantages
Mobile crane LTM 1150/1
Max. lifting capacity: 150 t at 3 m radius
Max. height under hook: 91 m with swing-away jib and extended telescopic boom
Max. radius: 74 m with swing-away jib

Performance profile of the LTM 1150/1 at a glance.
- Outstanding range of lifting capacities, counterweight variants 6 t, 7 t, 15 t, 25 t, 36 t and 50 t
- Powerful, emission-optimized Liebherr turbocharged diesel engine of 400 kW/544 bhp (Euro III)
- 5-axle carrier, compact and manoeuvrable due to all-wheel steering, smallest turning radius 10.8 m over vehicle
- 5-section, 12.6 m - 56 m long telescopic boom with prismatic, particularly bowing resistant boom profile
- 5-section, 12.5 - 49 m long biparted swing-away jib, mountable at 0°, 30° and 40°, hydraulically rigging aid
- Telescopic boom extension with 7 m long lattice section, max. height under hook with biparted swing-away jib 91 m
- Rapid-cycle telescoping system "Telesink" with patented internal interlocking system, fully automatic or manual telescoping is practicable
- LICCON, the supertraction crane computer system worldwide, with comprehensive informative, monitoring and control functions
- Diesel engine, steering ram, swivel gear, winches and hydraulic power pack manufactured, quality checked components
- The LTM 1150/1 is manufactured by Liebherr within the scope of a quality assurance system according to DIN ISO 9001
Torsional rigid telescopic boom
- Prismatic boom cross-section of particular inherent stability
- Maintenance-free polyamide slide pads of telescopes
- Fluid-rate lifting capacities, e.g.:
  42.0 t at 10 m radius
  18.0 t at 40 m radius
  7.0 t at 90 m radius
  4.0 t at 120 m radius
  2.3 t at 150 m radius
  0.9 t at 180 m radius
- Telescoping by rapid cycle approx. 350 s for a boom length of 13.0 to 36 m

Modern and powerful carrier drive
- Carrier engine: 6-cylinder Liebherr turbo-charged Diesel engine type D 966 TS of 500 kW/644 hp. (Euro III)
- Max. torque: 2500 Nm at 1100 – 1400 min⁻¹, robust and reliable
- Exhaust gas system entirely of stainless steel
- Allison automatic transmission with torque converter and electronic control, proved and well tested serial transmission, 5 forward and 1 reverse speed, rough-terrain ratio
- Air-actuated TILMA-type oddy current brake (optional)
- Max. driving speed: 76 km/h, max. gradientability: 40 %

Spacious crane cab with convenient armrest-integrated control levers
- Galvanized crane cab with sound absorbing and insulating internal shielding, tinted pane all-round, front and rear windows with large parallel windscreen wiper, large skylight of bullet-proof glass with large parallel windscreen wiper, roll-up blinds on front window and skylight, spare saving sliding door
- Cab tiltable backwards by 20°
- Crane operator's seat with pneumatic lumbar support
- Operator-friendly armrest-integrated controls, vertically and horizontally adjustable as well as individually adjustable control surfaces and armrests, ergonomically inclined operating consoles
- LICCON computer with test system

Crane drive with field-proven components
- Carrier engine: 6-cylinder Liebherr turbo-charged Diesel engine type D 966 TS of 500 kW/644 hp. (Euro III)
- Max. torque: 2500 Nm at 1100 – 1400 min⁻¹, robust and reliable, located adjacent to crane cab, thus less noise pollution; exhaust gas system of stainless steel
- Slewing ring, slewing gear: the winches and the double axial piston variable displacement pump are self-manufactured Liebherr components and specifically matched for the application on mobile cranes
- Standardized lubrication system for slewing ring, boom bearing application and bearings of winches
- Weight-optimized steel structure
- Weight-optimized suspension - preserving crane and roads
- Maintenance-free suspension rams, free from lateral forces, protected by synthetic tubes
- Level adjustment (suspension on "travelling mode") can be activated automatically by push-button control from any position
- Stable cornering ability due to cross mounting of the hydropneumatic suspension
- Axle locking system (locking of the suspension for travelling with equipment) controllable from the driving cab
- Travel of suspension system: +/- 150 mm

Outstanding carrier technology for on-road/off-road travel.
- Weight-optimized axles, almost maintenance-free, made of high-grade steel, perfect truck handling and lateral stability due to special control linkage arrangement
- The maintenance-free steering knuckles are mounted on steel bearings, thus bearing failures are practically ruled out
- The perforated and robust axles are manufactured in large series and are trouble-free
- The cardan shafts are maintenance-free, easy and quick fitting of the cardan shafts due to 90° diagonal welding and 4 fixing screws

"Niveamatic" suspension - preserving crane and roads
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Weight-optimized steel structure
- Steel structure of carrier, crane superstructure and telescopic boom in light-gauge design, calculated by the FEM method, weight-optimized and of outstanding torsional rigidity
- Tensile property of material with high safety factors through the application of STE 960 (980 N/mm²) resp. S 1160 GL (1160 N/mm²) for all supporting members
- Computer-aided welding machines ensure the accomplishment of high-quality weld joints
- The quality of the weld seams is dominated by ultrasonic testing
- Trim and covering panels of aluminium

Highly comfortable driving cab
- Galvanized driving cab over width of vehicle with internal sound absorbing and thermal paneling, comfortably equipped
- Air-cushioned driver's seat with pneumatic lumbar support
- Steering wheel adjustable in height and inclination
- Reversible exterior mirrors
- Electric window lifters
- Standardized and ergonomically located operating and control elements

It through advanced technology.