

Product advantages

Mobile crane LTM 1055/1



Max. lifting capacity: 55 t

Max. height under hook: 56 m with biparted swing-away jib

Max. radius: 48 m with biparted swing-away jib



Performance profile of the LTM 1055/1 at a glance.

- Outstanding load values within the entire working range
- Operative weight 36 t, incl. 5.5 t counterweight, biparted swing-away jib, drive 6 x 6, tyre equipment 16.00 R 25
- Liebherr turbo-charged Diesel engine type D 926 TI-E A5 of 270 kW/367 h.p., exhaust emission values according to EURO III, fully electronic engine management, hydraulic pump activatable for crane drive
- ZF powershift gear AS-TRONIC with automatic or manual 12-speed control
- Data bus technique with CAN bus and Liebherr System Bus (LSB 1, 2, 3) for carrier, crane superstructure and telescopic boom
- Comfortable electric/electronic crane control with integrated LICCON system
- Tilttable crane cabin with laterally extendable footboard
- Compact 5-section, telescopic boom 10.2 m – 40 long, with oviform profile for high lateral stability
- Rapid-cycle telescoping system "Telematik" with patented internal locking system, fully automatic and manual telescoping practicable
- 9.5 m – 16 m long biparted swing-away jib, mountable at 0°, 20° or 40°, hydraulic fitting aid
- LICCON, the most modern crane computer system worldwide, with comprehensive informative, monitoring and control functions
- The LTM 1055/1 is manufactured by Liebherr within the scope of a quality assurance system acc. to ISO 9001

LIEBHERR

The better crane.

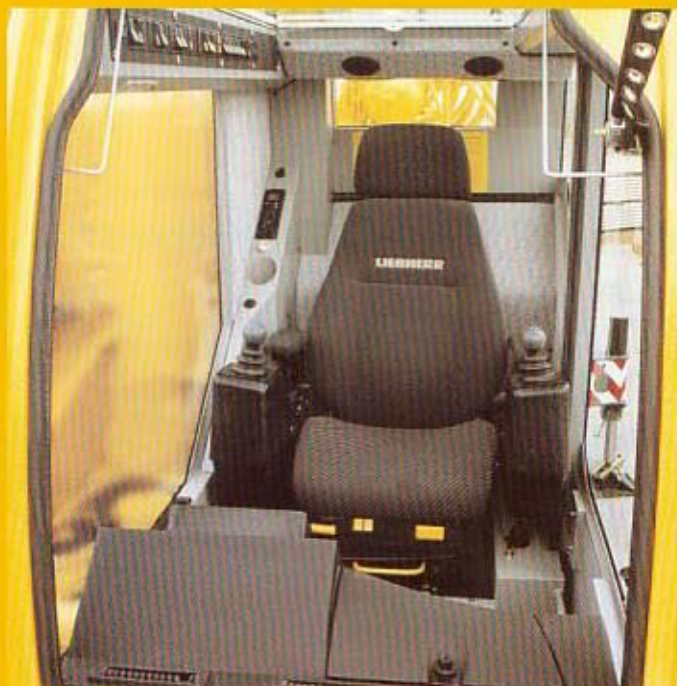
Comfortable driver's cabin of outstanding functionality.

- Modern, comfortable driver's cab of high functionality and convincing design
- Ergonomically arranged operating and display elements for safe and convenient handling during continuous operation
- Digital display and keyboard units interconnected with the function blocks by data bus technique
- Air-cushioned driver's and co-driver's seat, head rests, driver's seat with pneumatic lumbar support
- Safety belts for driver and co-driver
- Height and inclination adjustable steering wheel
- Heated and electrically adjustable rear mirrors
- Side panes with electric window lifters
- Automatic windscreen wipers/washers with intermittent control
- Delayed disconnection of interior lighting
- Various racks and boxes
- Radio preparation

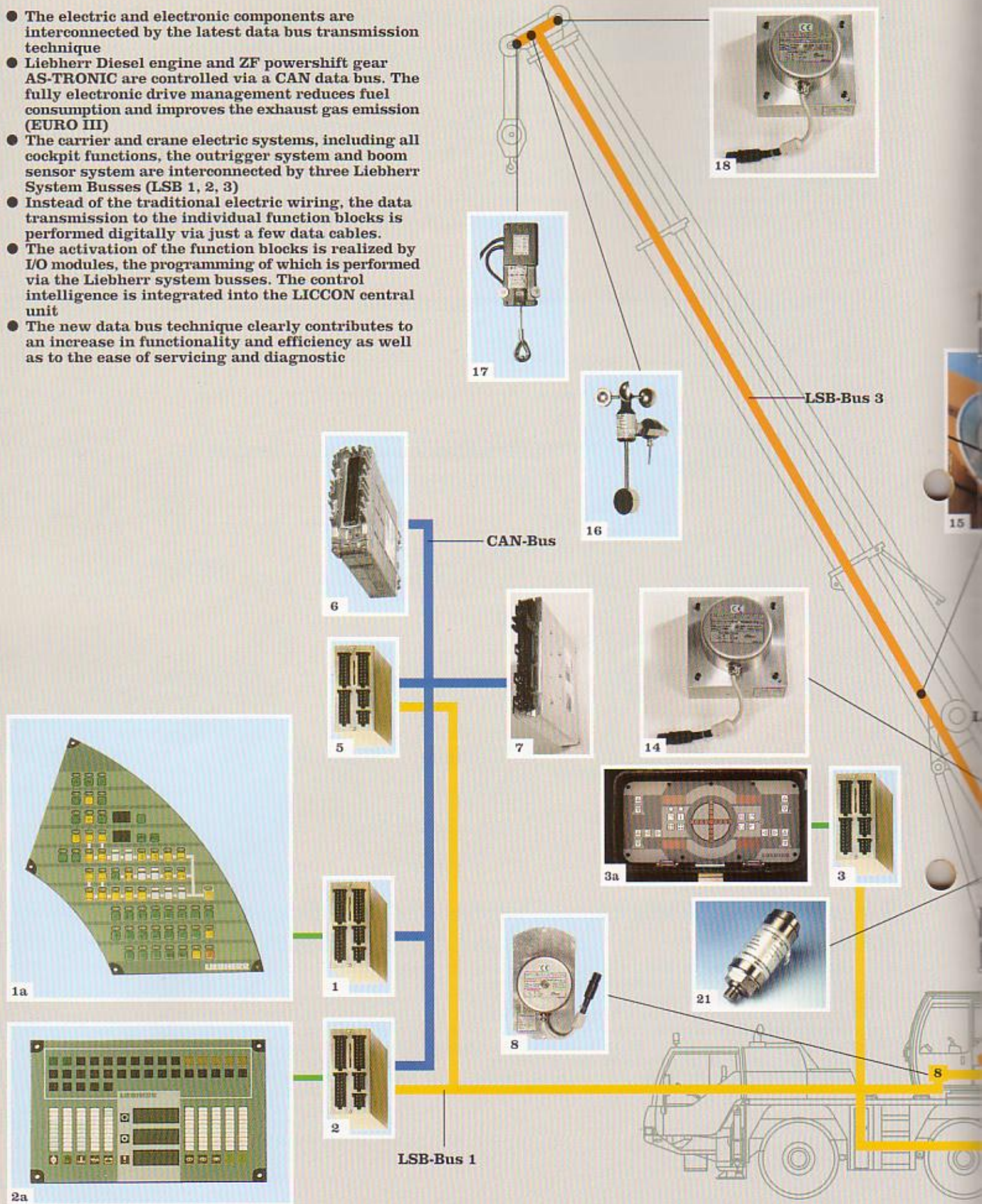


Comfortable crane cabin of outstanding functionality.

- Tilttable crane cab
- Spring-mounted and hydraulically cushioned crane operator's seat with pneumatic lumbar support and headrest
- Operator-friendly armrest-integrated controls, vertically and horizontally adjustable master switch consoles and armrests, ergonomically inclined operating consoles
- Display of the operation relevant data on the LICCON monitor
- Windscreen wiper/washer system for front window and skylight
- Self-contained supplementary warm water heating "Thermo 90 S"
- Radio preparation



- The electric and electronic components are interconnected by the latest data bus transmission technique
- Liebherr Diesel engine and ZF powershift gear AS-TRONIC are controlled via a CAN data bus. The fully electronic drive management reduces fuel consumption and improves the exhaust gas emission (EURO III)
- The carrier and crane electric systems, including all cockpit functions, the outrigger system and boom sensor system are interconnected by three Liebherr System Busses (LSB 1, 2, 3)
- Instead of the traditional electric wiring, the data transmission to the individual function blocks is performed digitally via just a few data cables.
- The activation of the function blocks is realized by I/O modules, the programming of which is performed via the Liebherr system busses. The control intelligence is integrated into the LICCON central unit
- The new data bus technique clearly contributes to an increase in functionality and efficiency as well as to the ease of servicing and diagnostic



Data bus technique revolutionizes cr

Legend:

- LSB - Liebherr System Bus 1
- LSB - Liebherr System Bus 2
- LSB - Liebherr System Bus 3
- CAN - Bus
- SCI - Serial Communication Interface

- 1 Input/output module for suspension, Diesel engine, automatic power shift gear, control functions, compressed-air control of brakes
- 1a Instrument - keyboard unit in driver's cab
- 2 Input/output module for differential locks, all-wheel steering, steering from crane cab, display functions
- 2a Instrument - keyboard unit in driver's cab
- 3 Input/output module for outrigger system - right
- 3a Control unit for outriggers - right
- 4 Input/output module for outrigger system - left and for rear-axle steering
- 4a Control unit for outriggers - left

- 5 Input/output module for engine brake, cruise controller, speed setter, electronic control of Diesel engine (steering column switch - right)
- 6 Control of automated powershift gear AS-TRONIC
- 7 Control of lifting valve pump Liebherr Diesel engine
- 8 Slip ring unit/slewing feed-through
- 9 Connection of Liebherr System Bus (LSB 1, 2, 3)
- 10 LICCON central unit
- 11 LICCON monitor in crane cab
- 12 Length sensor and cable drum/energy cable for interlocking gripper/telescopic boom
- 13 Inductive sensor
- 14 Angle sensor on base section
- 15 Cable drum for items 16, 17 and 18
- 16 Wind sensor (optional)
- 17 Hoist limit switch
- 18 Angle sensor
- 19 Master switch
- 20 Pressure sensor load sensing control
- 21 Pressure sensor luffing ram



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12



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11



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4



4a

Crane electric system.