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# TA 230 Litronic

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Support logistics –  
secure deployment

**LIEBHERR**

Liebherr-Hydraulikbagger GmbH



# Ready for challenging missions



The TA 230 Litronic as a carrier vehicle is more than just an articulated chassis. It serves as the solid framework for operations in the most demanding terrain, whether for military units and logistics forces, civil defence or authorities at home and abroad. Due to its high degree of flexibility, it is suitable for a wide range of superstructures and applications, from container transport to specialised defence systems.

Developed for the toughest operating conditions, the TA 230 Litronic offers a robust design, high mobility and powerful performance. Whether off-road or in a logistics network – the TA 230 Litronic is ready for any mission.

## Performance

- Powerful drive unit for maximum traction in difficult terrain
- High payload for a wide range of military superstructures
- High ground clearance and off-road capability thanks to permanent all-wheel drive

## Maintainability

- Maintenance-friendly design with easy access to maintenance points for short downtimes

## Reliability

- Proven technology ensures high durability and quality of all components, even under extreme operating conditions
- Robust chassis and protected components for use in harsh environments and a long service life

## Comfort

- Ergonomically designed cab with excellent all around visibility and intuitive operation for full control, even in complex operating scenarios and under high loads

# Technical data

## Diesel engine

|                            |   |
|----------------------------|---|
| <b>Rating per ISO 9249</b> | 265 kW (360 HP) at 2,100 RPM  |
| <b>Model</b>               | Liebherr D956   |
| <b>Type</b>                | 6 cylinder in-line  |
| <b>Bore / Stroke</b>       | 130 / 150 mm  |
| <b>Displacement</b>        | 12.0 l  |
| <b>Engine operation</b>    | 4-stroke diesel<br>Common-Rail<br>Turbo-charged and after-cooled<br>Reduced emissions |
| <b>Air cleaner</b>         | Dry-type air cleaner with pre-cleaner, primary and safety elements                    |
| <b>Electrical system</b>   |   |
| <b>Voltage</b>             | 24 V  |
| <b>Batteries</b>           | 2 x 12 V / 180 Ah   |
| <b>Alternator</b>          | Three-phase current 28 V / 140 A  |
| <b>Starter</b>             | 6.5 kW  |

## Drive train

|                     |  |
|---------------------|--|
| <b>Transmission</b> | Automatic powershift transmission with torque converter and converter bypass clutch, 8 forward and 4 reverse speeds, integral distributor gear box with load-switchable inter-axle differential lock |
| <b>Speeds</b>       | 57 km/h forward<br>16 km/h backwards   |
| <b>Drive train</b>  | 6 x 6 permanent all-wheel drive with automatic inter-axle differential lock, switchable lateral differential lock on all axles (can be activated manually)   |

## Filling quantities

|                                      |       |
|--------------------------------------|-------|
| <b>Fuel tank</b>                     | 365 l |
| <b>Urea tank</b>                     | 46 l  |
| <b>(only Stage V / Tier 4 Final)</b> |       |
| <b>Cooling system</b>                | 112 l |
| <b>Engine oil (incl. filter)</b>     | 42 l  |
| <b>Hydraulic tank</b>                | 168 l |
| <b>Gear oil (replacement volume)</b> | 50 l  |
| <b>Axles</b>                         | 105 l |

## Operating weight

|                                       |                  |
|---------------------------------------|------------------|
| <b>Axle loads (unladen)</b>           |                  |
| Front axle                            | 14,200 kg        |
| Middle axle                           | 3,500 kg         |
| Rear axle                             | 3,300 kg         |
| Gross weight                          | 21,000 kg        |
| <b>Axle loads (with maximum load)</b> |                  |
| Front axle                            | 16,300 kg        |
| Middle axle                           | 18,200 kg        |
| Rear axle                             | 18,100 kg        |
| Gross weight                          | 52,600 kg        |
| Permissible payload                   | Up to 31,600 kg* |

\* depending on the centre of gravity with superstructure

## Axles

|                   |  |
|-------------------|--|
| <b>Front axle</b> | External planetary axle with load-switchable differential lock, four-point suspension with hydro-pneumatic spring cylinders, maintenance-free bearings |
| <b>Rear axles</b> | External planetary axle with load-switchable differential lock, four-point suspension, maintenance-free bearings                                       |

## Brakes

|  |   |
|--|---|
| <b>Continuous-operation brake system</b> | Electronically controlled continuous-operation brake system consisting of engine brake and hydro-dynamic primary retarder |
| <b>Operating brake*</b>                  | Hydraulic multi-disc brakes, 2 brake circuits acting on all wheels  |
| <b>Parking brake*</b>                    | Disc brake with hydraulic spring accumulator cylinder acting on rear axles  |

\* Brake system complies with standard DIN EN ISO 3450

## Steering

|   |   |
|---|---|
| <b>Design</b>                                 | Electro-hydraulic, speed-dependent steering, 2 dual-action cylinders combined with articulated steering |
| <b>Steering angle</b>                         | ± 45°   |
| <b>Steering wheel turns from stop to stop</b> | 4,5   |

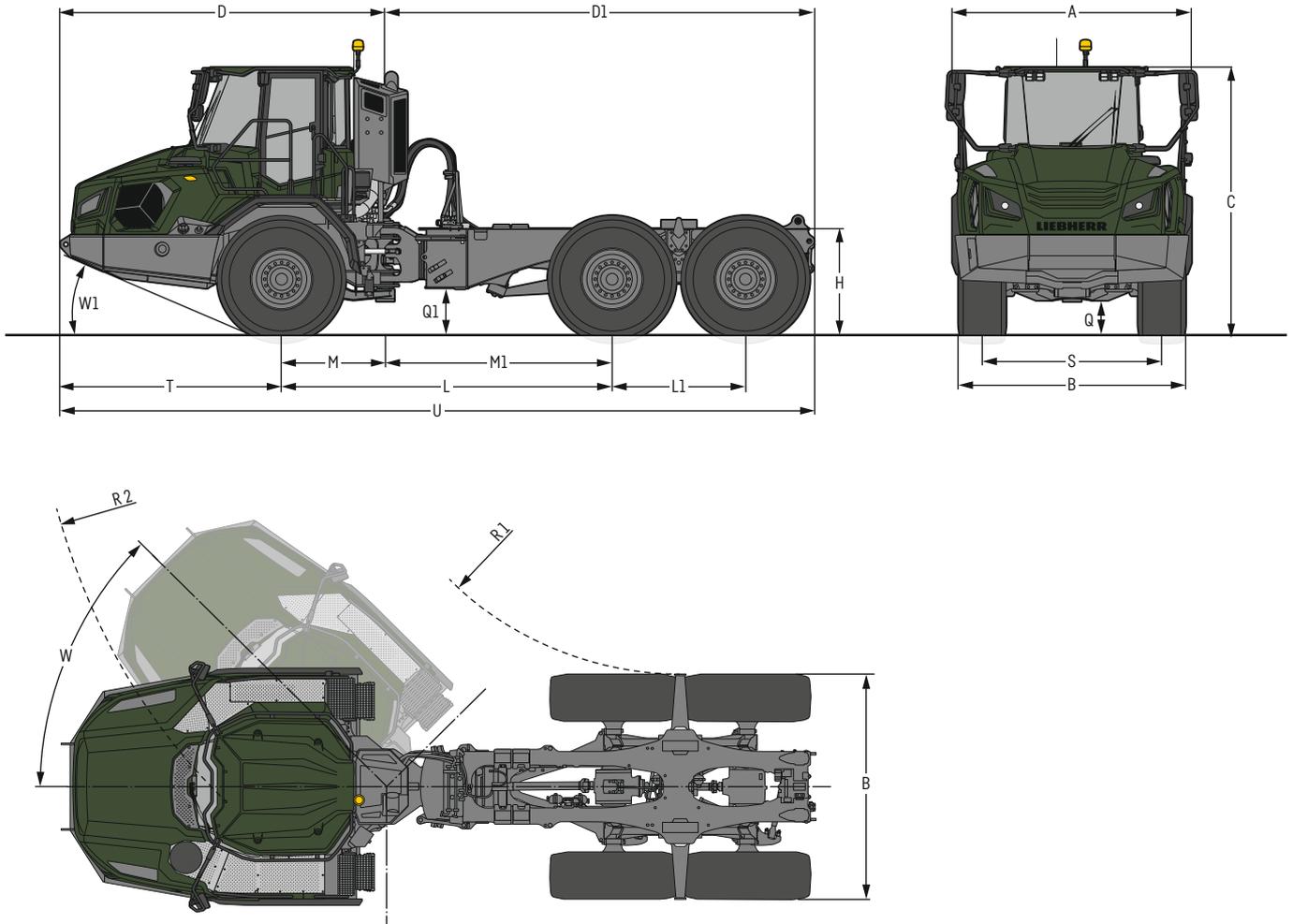
## Noise emission

|                    |  |
|--------------------|--|
| ISO 6396 (Stage V) | 72 dB(A) = L <sub>PA</sub> (inside cab)      |
| 2000/14/EC         | 109 dB(A) = L <sub>WA</sub> (surround noise) |

## Off-road capability

|                          |             |
|--------------------------|-------------|
| <b>Wading depth</b>      | 680 mm      |
| <b>Front slope angle</b> | 23.4°       |
| <b>Tilt angle</b>        | 15°         |
| <b>Climbing ability</b>  | approx. 20° |

# Dimensions



|    | mm    |
|----|-------|
| A  | 3,000 |
| B  | 2,850 |
| C  | 3,390 |
| D  | 4,070 |
| D1 | 5,375 |
| H  | 1,350 |
| L  | 4,140 |
| L1 | 1,670 |
| M  | 1,300 |
| M1 | 2,840 |

|    | mm    |
|----|-------|
| Q  | 425   |
| Q1 | 595   |
| R1 | 4,090 |
| R2 | 8,055 |
| S  | 2,245 |
| T  | 2,770 |
| U  | 9,445 |
| W  | 45,0° |
| W1 | 23,4° |

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