



WL70

Wheel Loader

The powerhouse

Thanks to cutting-edge engine technology in accordance with the most current emission standard, the WL70 wheel loader offers an extremely efficient but still high-performance engine, making this machine a powerhouse in application. This is supported by a very sturdy load arm design. Lift height and engine output are at the top of the 7 t wheel loader class. This makes quick and efficient material handling possible. The 40 km/h option also allows the machine to be relocated quickly and is thus flexible and efficient in application.

Highlights

- {30/40 km/h}{18.64/24.85 mph} speed
- The wheel loader as an attachment carrier
- Clear 3.5-inch digital display
- Comfortable working environment
- Joystick console spring-mounted on the operator's seat

Technical Data

■ Standard engine data

| | |
|------------------------|-----------------------|
| Engine manufacturer | Perkins |
| Motor type | 904J-E36TA |
| Cylinder | 4 |
| Drive output | 100 kW |
| Drive output | 136 PS |
| at max. rpm | 2,200 U/min |
| Cylinder capacity | 3,621 cm ³ |
| Type of coolant | Water/charge air |
| Exhaust standard level | V |
| Exhaust aftertreatment | DOC/DPF/SCR |

Tipping load with pallet fork –
machine straight, loading frame
horizontal 4,254 kg

Tipping load with pallet fork –
machine pivoted, loading frame
horizontal 3,559 kg

■ Driver's cab

Driver's cab Cab

■ Filling levels

Tank capacity for fuel 105 l

Tank capacity for hydraulic oil 95 l

Tank capacity for urea solution 19 l

■ Drive system

Type of drive Hydrostatic

drive unit universal joint shaft

Speed levels 2

Axle PA 1422/2

Travel speed Standard 0-20 km/h

Travel speed Option 1 0-30 km/h

Travel speed Option 2 0-40 km/h

Operating brake Disc brake (combined with parking
brake)

Parking brake Service and parking brake in the drive
train acts on all 4 wheels

Differential lock 100 % front axle + rear axle

■ Electrical system

| | |
|-------------------|--------|
| Operating voltage | 12 V |
| Battery | 135 Ah |
| Alternator | 85 A |

■ Weights

| | |
|--|---------------------|
| Bucket capacity (standard bucket) | 1.10 m ³ |
| Operating weight | 7,140 kg |
| Tipping load with bucket – machine straight, loading frame horizontal | 4,762 kg |
| Tipping load with bucket – machine pivoted, loading frame horizontal | 3,926 kg |

■ Hydraulic system

| | |
|--|---------------------|
| Drive hydraulics working pressure (max.) | 455 bar |
| Work hydraulics discharge volume (max.) | 100 (115-150) l/min |
| Work hydraulics working pressure (max.) | 210 bar |

Steering cylinder

2

Oscillating angle

±12 degree

■ Noise characteristic values

| | |
|--|-------------|
| Average sound power level LwA (cabin) | 101.4 dB(A) |
| Guaranteed sound power level LwA (cabin) | 103 dB(A) |
| Specified sound pressure level LpA (cabin) | 74 dB(A) |

■ Kinematics

| | |
|---------------------|-----------|
| Kinematics type | Z |
| Lifting cylinder | 2 |
| Tipping cylinder | 1 |
| Quick change system | hydraulic |

■ Other information

FSD = overhead guard

DPF = diesel particulate filter

DOC = diesel oxidation catalyst

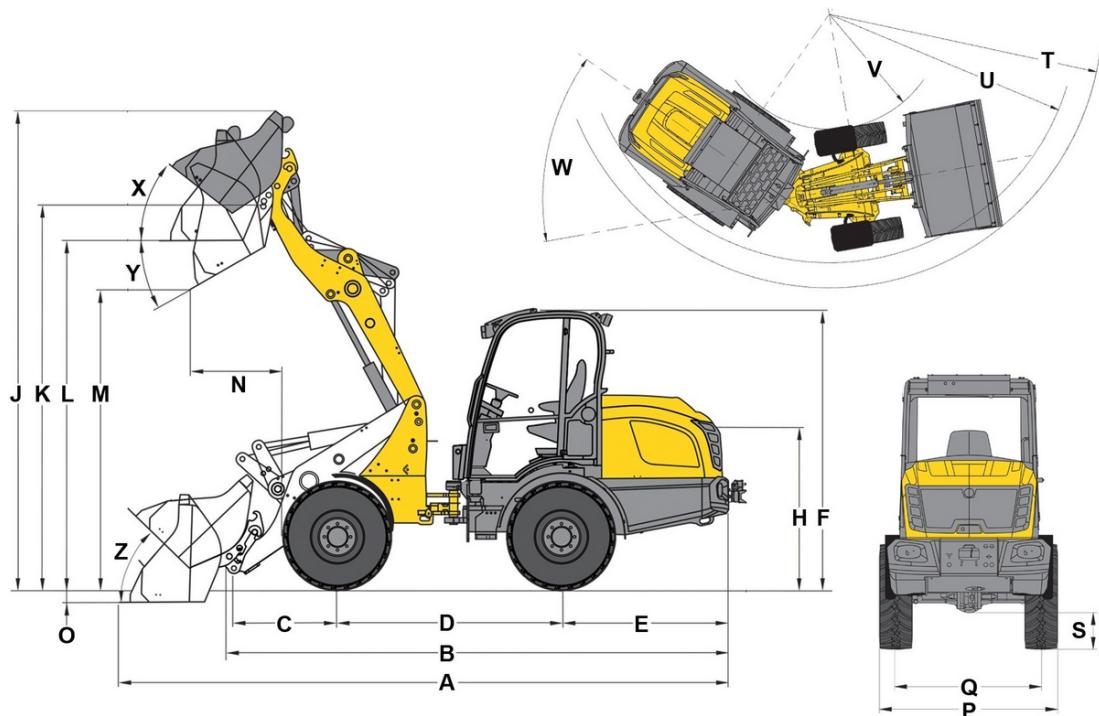
SCR = selective catalytic reduction

Tipping load calculation pursuant to ISO 14397

■ Steering

| | |
|---------------|---|
| Steering type | hydraulically activated articulated pendulum steering |
|---------------|---|

Dimensions



| | | |
|---|--|----------|
| A | Total length | 5,898 mm |
| B | Total length without bucket | 4,780 mm |
| C | Bucket pivot point (to center of axle) | 991 mm |
| D | Wheel base | 2,150 mm |
| E | Rear overhang | 1,676 mm |
| F | Height with cab | 2,693 mm |
| G | Seat height | 1,609 mm |
| H | Total working height | 4,536 mm |
| I | Bucket pivot point (max. lift height) | 3,686 mm |
| J | Load-over height | 3,375 mm |
| K | Dumping height | 2,840 mm |
| L | Reach (at M) | 850 mm |
| M | Digging depth | 74 mm |
| N | Total width | 1,829 mm |
| O | Track width | 1,422 mm |
| P | Ground clearance | 375 mm |
| Q | Maximum radius | 4,341 mm |
| R | Radius on the outer edge | 3,686 mm |
| S | Inner radius | 1,666 mm |
| T | Articulation angle | 42 ° |
| U | Rollback angle at max. lift height | 33 ° |
| V | Dumping angle | 33 ° |
| W | Rollback angle on ground | 39 ° |

The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.