

WL38

Articulated Wheel Loaders



**WACKER
NEUSON**
all it takes!



The top performer on the construction site

The extremely compact, yet powerful design of the wheel loader WL38 makes it into a popular helper on any construction site. Thanks to the built-in PZ-kinematics – a practical combination of P and Z kinematics – the WL 38 offers high tear-out forces with simultaneously first-class parallel guidance. It is therefore the ideal partner for efficient material handling in close proximity

- Very maneuverable with low passage width
- Hydrostatic all-wheel drive and articulated pendulum steering
- Fold-down driver's cabin offers optimal service accessibility
- Combined P and Z kinematics
- Large selection of attachments

WL38 Technical specifications

| | standard engine | optional engine* |
|--|---------------------------------------|---------------------------------------|
| Engine / Motor | | |
| Engine / Motor manufacturer | Deutz | Deutz |
| Engine / Motor type | TD 2.9 L4 S5 | TCD 2.9 L4 S5 |
| Cylinder | 4 | 4 |
| Engine performance kW | 45 | 55.4 |
| at rpm maximum rpm | 2,300 | 2,300 |
| Displacement cm ³ | 2,900 | 2,900 |
| Coolant type | Water | Water / charge air |
| Exhaust after treatment | DPF + DOC | DOC+DPF |
| Emission standards stage | V | V |
| Electrical system | | |
| Operating voltage V | 12 | 12 |
| Battery Ah | 95 | 95 |
| Alternator A | 95 | 95 |
| Weights | | |
| Operating weight kg | 4,200 | 4,300 |
| Tipping load with bucket - machine straight kg | 2,983 | 3,719 |
| Tipping load with bucket - machine at angle kg | 2,494 | 3,113 |
| Tipping load with pallet fork - machine straight kg | 2,570 | 3,170 |
| Tipping load with pallet fork - machine at angle kg | 2,173 | 2,662 |
| Vehicle data | | |
| Bucket capacity standard bucket m ³ | 0.6 | 0.6 |
| Traction drive | Hydrostatic via universal joint shaft | Hydrostatic via universal joint shaft |
| Axles | PA1200 | PA1200 |
| Drivers cab | Cabin | Cabin |
| Speed (optional) km/h | 0-20 (28) | 0-20 (28) |
| Speed Level | 2 | 2 |
| Standard tires | 15.5/55 R 18 EM ET0 | 425/55 R 17 AS ET-40 Alliance 570 |
| Hydraulic system | | |
| Driving hydraulics - operating pressure bar | 445 | 445 |
| Operating hydraulics - operating pressure bar | 210 | 210 |
| Operating hydraulics - discharge capacity l/min | 56 | 56 |
| Operating hydraulics - discharge capacity (optional up to) l/min | 116 | 116 |
| Filling capacities | | |
| Fuel tank capacity l | 65 | 65 |
| Hydraulic oil tank l | 50 | 50 |

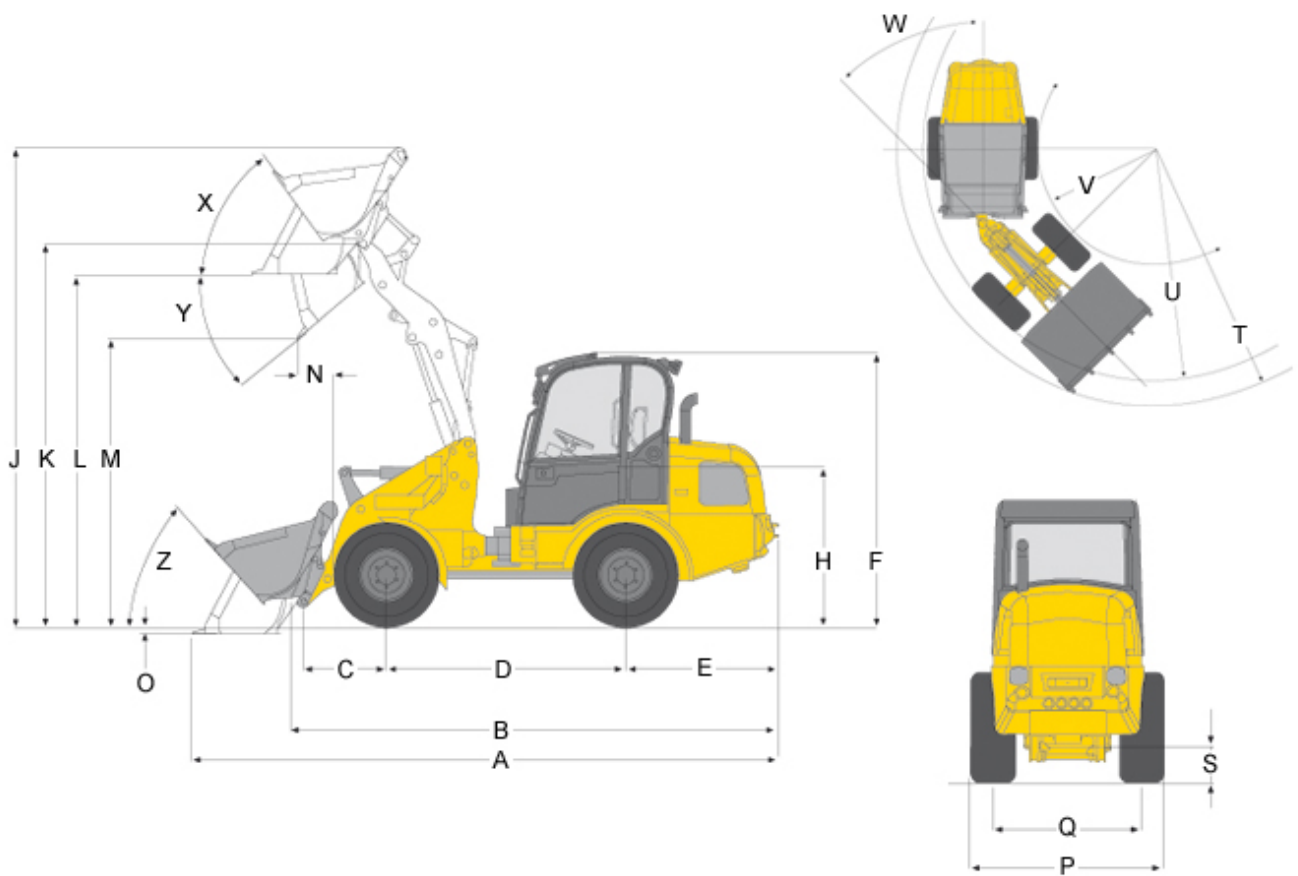
| | standard engine | optional engine* |
|--|-----------------|------------------|
| Sound level | | |
| Guaranteed sound power level LwA dB(A) | 101 | 101 |
| Specified sound pressure level LpA dB(A) | 78 | 78 |

Standard bucket = digging bucket, 1,650 mm width

Tipping load calculation according to ISO 14397-EN474-3

*Equipment version (large cabin, counterweight floor plate 122 kg, tires 425/55 R 17 AS ET0 Alliance 570)

WL38 Dimensions



| | Standard tires | 15.5/55 R 18 EM ET0 |
|---|---|---------------------|
| A | Overall length | 5,138 mm |
| B | Overall length without bucket | 4,344 mm |
| C | Bucket pivot point to axle center | 675 mm |
| D | Wheelbase | 2,045 mm |
| E | Rear overhang | 1,516 mm |
| F | Height With cabin | 2,371 mm |
| F | Height with high cabin | 2,548 mm |
| H | Seat height | 1,204 mm |
| J | Total operating height | 3,828 mm |
| K | Stroke height max. - bucket pivot point | 3,251 mm |
| L | Overhead loading height | 2,892 mm |
| M | Dump height max. | 2,379 mm |
| N | Range with M | 155 mm |
| O | Scraping depth | 120 mm |
| P | Overall width | 1,570 mm |
| Q | Track width | 1,200 mm |
| S | Ground clearance | 312 mm |
| T | Radius maximum | 3,652 mm |
| U | Radius at outer edge | 3,317 mm |

| | | |
|---|---------------------------------------|----------|
| V | Inside turning radius | 1,640 mm |
| W | Articulation angle | 45 ° |
| X | Bucket rollback at max. stroke height | 43 ° |
| Y | Dump angle max. | 42 ° |
| Z | Bucket rollback at ground level | 41 ° |

All values with standard bucket: Digging bucket 1,650 mm, 0.60 m³ and standard tires: 15.5/55 R 18 EM ET0

Please note: that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions. Subject to alterations and errors excepted. Applicable also to illustrations.
Copyright © 2021 Wacker Neuson SE.