



WL28

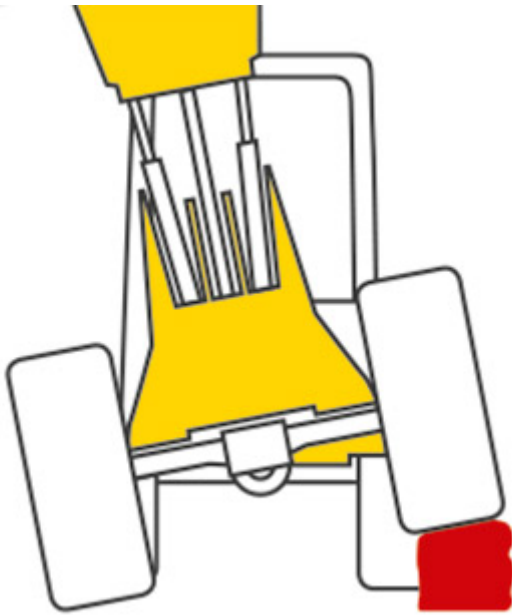
Articulated Wheel Loaders



Compact and powerful – the WL28 easily moves a pallet of paving stones

Tight space conditions on the construction site, but nevertheless can still transport high loads – the ideal application for the WL28. Pallets with paving stones or other transport goods up to 1600 kg are easily mastered by the WL28 and, thanks to compact dimensions and a low passage height of less than 2.3 m, it can go almost anywhere. If the access to the work area is even narrower and lower, the WL28 is optionally also available with the manually or hydraulically lowerable operator's canopy (EPS).

- Powerful and flexible: Universally applicable machine thanks to very good performances with tipping load, lifting force and lift height.
- Easy to transport: Due to the low weight, the WL28 is suitable for transport via car trailer.
- Everything in view: The low front carriage allows for a very good view of the work area.
- Open service access to hydraulics, engine and air cleaner through fold-down driver's canopy – shortens the maintenance and therefore also downtimes.
- Powerful hydraulics with many options: Highflow allows for the operation of attachments such as snow blowers.



The articulated pendulum joint

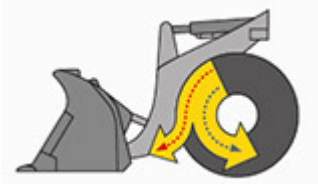
The guarantee for the best possible stability and maneuverability. Due to the joint, all four wheels remain in constant contact with the ground and the machine moves with maximum traction. In addition, the machine is therefore uniquely maneuverable. It is therefore possible to turn curves at an angle of up to 45° degrees.

Inch brake pedal

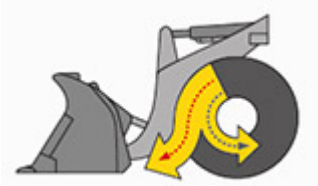
- Full power for the hydraulics and at the same time reducing the travel speed: To do this, you only need one pedal with the Wacker Neuson wheel loaders.
- You can regulate both mechanical as well as hydraulic braking ("inching") via the brake-inch pedal.
- The advantages are obvious: less wear of the service brake and optimal power distribution of the engine output.



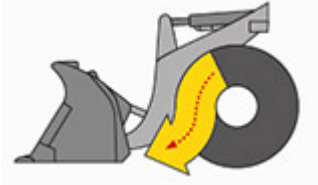
No pressure on inch brake pedal: full power for the drive system



Slightly depressed brake-inch pedal: The speed is reduced, more power to the work hydraulics.



Further depressed brake-inch pedal: The speed is reduced further, even more power to the work hydraulics



Further depressed brake-inch pedal: The wheel loader stands still, full power to the work hydraulics

Transport

- Transport easily with the car trailer thanks to a shipping weight of about 3,000 kg and compact dimensions in width and length



Choose your driver's cabin

All three driver's cabins are perfectly designed for the requirements of everyday construction site life and meet high safety standards.



The cabin

- Comfortably equipped
- A high degree of ergonomics allow for fatigue-free work – for hours
- Corresponds to the current European Machinery Directive (2006/42/EC) according to ROPS and FOPS protection
- Multifunctional joystick
- Air conditioning system is optional



Fixed operator's canopy

- State of the art safety: Operator's canopy with restraint system
- The operator is optimally protected by the lateral metal bracket
- Corresponds to the current European Machinery Directive (2006/42/EC) according to ROPS and FOPS protection





Fold-down operator's canopy (EPS)

- Manually lowerable operator's canopy
 - Through lowering, the machine can also manage low passages of less than 2 m
 - Corresponds to the current European Machinery Directive (2006/42/EC) according to ROPS and FOPS protection
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Maintenance

- Easy service access to hydraulics, engine and air filter for quick maintenance and shorter downtimes – this saves money
- The driver's canopy is tilted with a few moves
- Easy to open service flaps





Two lift cylinders

- For even more stability of the loading system, all wheel loaders from Wacker Neuson are equipped with two lift cylinders.
 - The hydraulic power is thus optimally distributed to the load arm.
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Differential lock

- The 100% connectable differential lock engages in order to work reliably on difficult terrain.
 - The result: maximum shear forces with excellent ground grip.
 - During normal driving, the lock is not connected. This protects the tires from wear.
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Tires

Everything runs perfectly if the wheel loader and tires are optimally matched to the substrate and application area. Four treads are available to choose from at Wacker Neuson:



RP tread: Suitable for application on lawns. The ground is not disturbed due to the large contact surface.



AS tread: With tapered slats that are suitable for particularly greasy and heavily soiled floors.



**WACKER
NEUSON**
all it takes!



EM tread: With almost parallel slats for loose grounds like sand, gravel or crushed stone. This type of tire achieves a large contact surface, thereby achieving a high shear force transmission and is very quiet on the road.



MPT tread: Offers the perfect combination of good traction in uneven terrain as well as quick road crossings.



MTP Gold Medal 2017

The wheel loader WL28 received the "MTP Gold Medal" at the Polish Horticulture and Landscape Architecture Fair, Gardenia 2017. This prize is awarded to particularly innovative products.



Technical specifications

WL28

	Operator's canopy	Cabin*
Engine / Motor		
Engine / Motor manufacturer	Perkins	Perkins
Engine / Motor type	404 D-22	404 D-22
Cylinder	4	4
Engine performance kW	35.7	35.7
at rpm Maximum rpm	2,600	2,600
Displacement cm ³	2,216	2,216
Coolant type	Water	Water
Electrical system		
Operating voltage V	12	12
Battery Ah	77	77
Alternator A	65	65
Weights		
Operating weight kg	3,050	3,120
Tipping load with bucket - machine straight kg	1,985	2,388
Tipping load with bucket - machine at angle kg	1,669	2,011
Tipping load with pallet fork - machine straight kg	1,656	1,981
Tipping load with pallet fork - machine at angle kg	1,392	1,677
Vehicle data		
Bucket capacity Standard bucket m ³	0.42	0.42
Traction drive	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft
Axles	PA940	PA940
Drivers cab (optional)	FSD (EPS, cabin)	Cabin
Speed (optional) km/h	0-20 (28)	0-20 (28)
Speed Level	2	2
Standard tires	12-16.5 EM ET0	305/70 R 16.5 ET0 Alliance Multi-use 550
Hydraulic system		
Driving hydraulics - operating pressure bar	450	450
Operating hydraulics - operating pressure bar	220	220
Operating hydraulics - discharge capacity l/min	49.4	49.4



	Operator's canopy	Cabin*
Operating hydraulics - discharge capacity (optional up to) l/min	58.5	58.5
Filling capacities		
Fuel tank capacity l	50	50
Engine oil l	8	8
Hydraulic oil tank l	30	30
Coolant l	9	9
Sound level		
Guaranteed sound power level L _{WA} dB(A)	101	101
Specified sound pressure level L _{pA} dB(A)	82	82

Standard bucket = digging bucket, 1,350 mm width

FSD = Operator's canopy

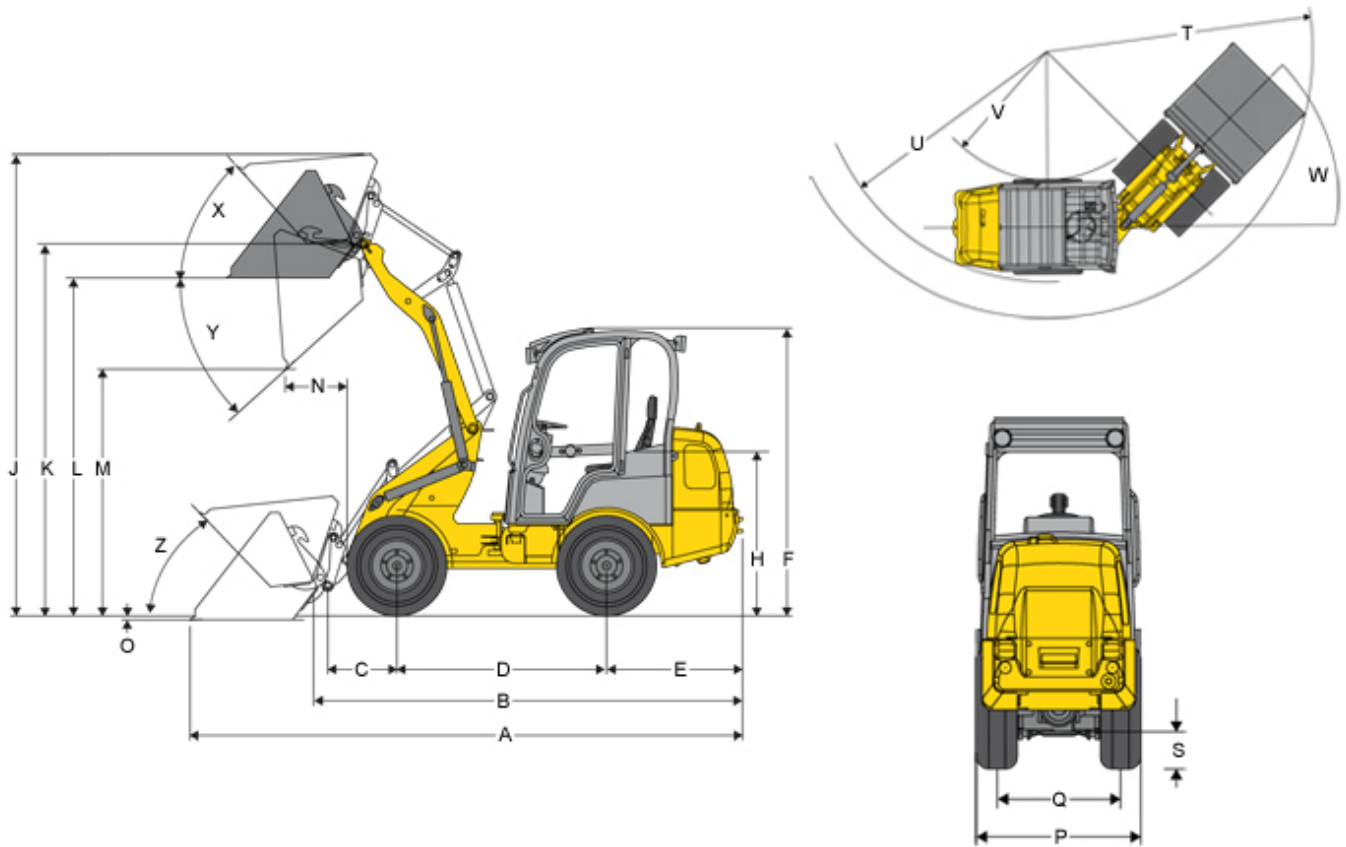
EPS = Easy Protection System (fold-down operator's canopy)

Tipping load calculation according to ISO 14397-EN474-3

*Equipment version (cabin, counterweight floor plate 97 kg, tires 305/70 R 16.5 ET0 Alliance Multiuse 550)



Dimensions



	Standard tires	12-16.5 EM ETO
A	Overall length	4,559 mm
B	Overall length without bucket	3,730 mm
C	Bucket pivot point to axle center	670 mm
D	Wheelbase	1,764 mm
E	Rear overhang	1,182 mm
F	Height With operator's canopy	2,287 mm
F	Height With fold-down operator's canopy (EPS)	2,387 mm
F	Height With fold-down operator's canopy (EPS), folded-down	1,870 mm
F	Height With cabin	2,297 mm



H	Seat height	1,255 mm
J	Total operating height	3,212 mm
K	Stroke height max. - bucket pivot point	2,560 mm
L	Overhead loading height	2,241 mm
M	Dump height max.	1,700 mm
N	Range with M	519 mm
O	Scraping depth	132 mm
P	Overall width	1,245 mm
Q	Track width	940 mm
S	Ground clearance	271 mm
T	Radius maximum	3,215 mm
U	Radius at outer edge	2,845 mm
V	Inside turning radius	1,554 mm
W	Articulation angle	44 °
X	Bucket rollback at max. stroke height	47 °
Y	Dump angle max.	41 °
Z	Bucket rollback at ground level	50 °

All values with standard bucket: Digging bucket 1,350 mm, 0.42 m³ and standard tires: 12-16.5 EM ETO

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.

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