WACKER NEUSON
all it takes!

Wheel loaders

0.19 to 1.10 m^3 bucket capacity.

Wacker Neuson – all it takes!

Invest in the future.

With Wacker Neuson you can set your sights on high-quality machines and equipment on which you can rely for decades - with a consistently high resale value. With over 175 years' history, we are building on a strong foundation and are proud of innovations, which have revolutionized the entire industry. Innovation is part of our DNA - benefit from it and future-proof your set-up.

Experience more:
wackerneuson.com

Rely on a partnership on equal footing close to home.

Our global network of sales and service stations makes Wacker Neuson a partner with whom you can collaborate on-site on an equal footing. We are here to listen to you, to understand you and to solve your problems with you. Set your sights on having a strong partner by your side, who will help you get ahead of the competition.

Bring even more efficiency to your construction site.

Wacker Neuson ensures a maximization in productivity and a minimization in costs - with the highest quality products, reliable solutions and support, which guarantees smooth construction site operation at any time.

Contents.

Electric, practical, innovative:
the electric wheel loaders WL20e, WL300e, WL28e.

	WL20e	WL300e	WL28e
Bucket capacity (m^3)	0.19	0.30	0.42
Operating weight (kg)	2,170–2,350	2,400–2,580	2,800–3,300
Electric motor (kW)	6.5* / 8.5**	6.5* / 8.5**	33.1*/21.2**
Tipping load of bucket, loading frame horizontal – angled machine (kg)	1,210–1,320	1,360–1,910	1,560–2,070

* Motor drive system ** Motor work hydraulics

Electric, practical, emission-free:
The wheel loaders WL20e, WL300e, and WL28e.

Environmental-friendliness

- The purely electrically operated wheel loaders work with low-noise and are 100% emission-free on site, protecting the operator and the working environment
- Highly efficient electric drive system enables the best possible use of resources

Performance

- Powerful lithium ion battery in three sizes, one or two on-board battery chargers, and different charging plugs for maximum flexibility
- Flexible interim charging possible at any time, no memory effect
- Energy recovery through recuperation
- Performance whenever and wherever you need it through two separate electric motors: one for the drive system, and one for the work hydraulics
- The oil volume of the 3rd control circuit can be infinitely adjusted. This enables the adaptation of the machine to the requirements of the hydraulic attachments with rotary users

Efficiency

- Depending on the size of the battery, the WL20e can achieve uninterrupted operation of up to 7.3 hr and the WL300e can achieve up to 6.64 hr Depending on the battery size, the WL28e can achieve a running time of up to 5.3 hr. The running time is dependent on the application conditions, the work task and the operating style
- The Battery Management System (BMS) enables the optimal use of the battery under all operating conditions, therefore contributing to the increase in efficiency

Maintenance

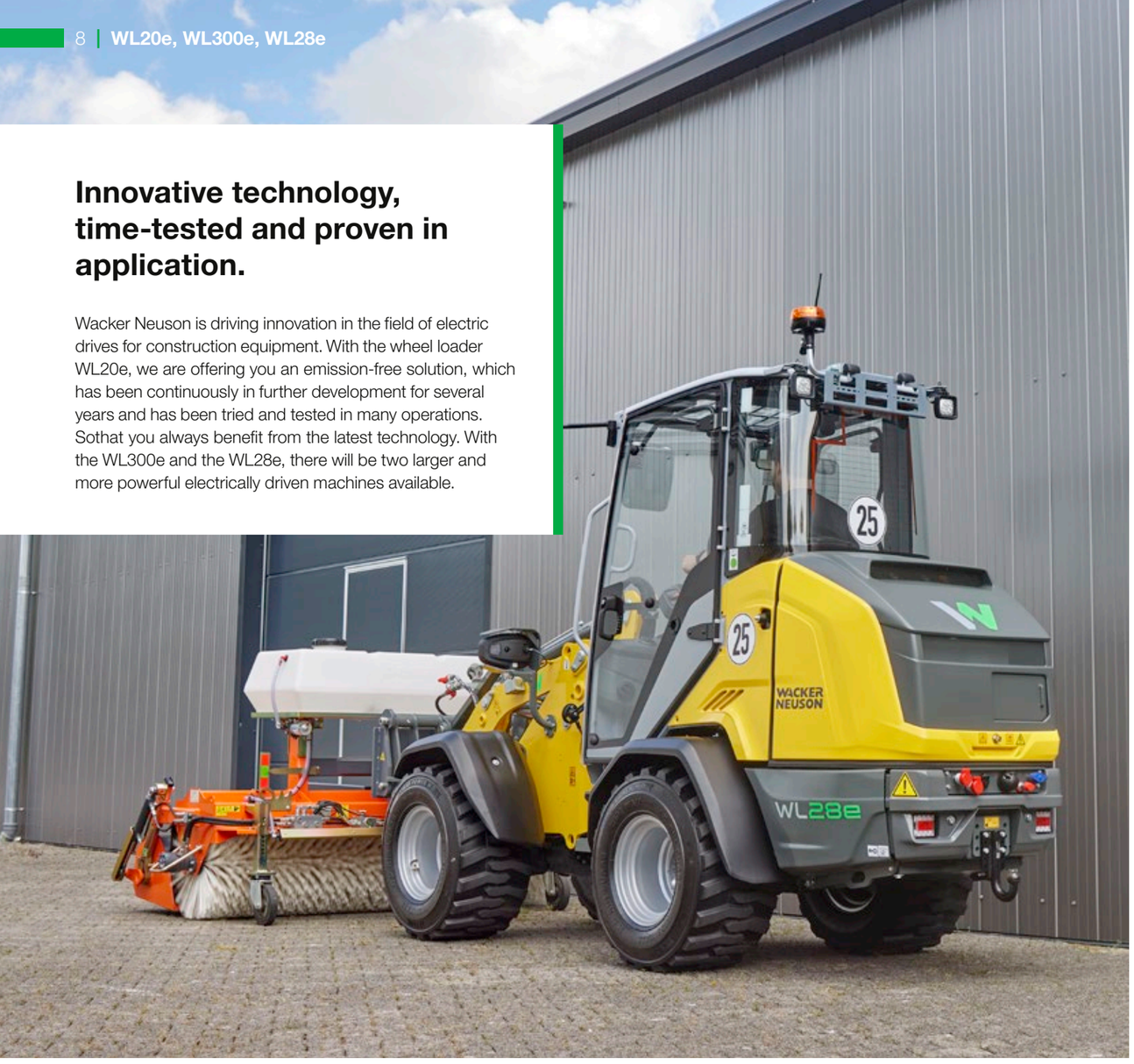
- Easy access to the hydraulic control block, the pumps, the battery, and the electric motors for time-saving maintenance
- Easy to handle, low maintenance effort and therefore low service costs

Safety

- Operator's canopy EPS (Easy Protection System) optional. With just a few easy steps, the EPS can be manually prepared for a low clearance height
- The electric parking brake automatically applies when the machine is standing still, the, travel direction is set to neutral or the operator leaves his seat
- Coordinated with different application purposes, we offer an appropriate selection of different operator cabs: Fixed operator's canopy, fold-down operator's canopy EPS (Easy Protection System), and cabin

Innovative technology, time-tested and proven in application.

Wacker Neuson is driving innovation in the field of electric drives for construction equipment. With the wheel loader WL20e, we are offering you an emission-free solution, which has been continuously in further development for several years and has been tried and tested in many operations. Sothat you always benefit from the latest technology. With the WL300e and the WL28e, there will be two larger and more powerful electrically driven machines available.



WL300e: The optionally available low front carriage, combined with a short boom ensures an excellent overview and a clearly increased tipping load.

Different charging cables and charging plugs enable flexible charging.

Powerful lithium ion battery.

- With the WL20e, WL300e and WL28e there are three maintenance-free lithium ion batteries to choose from to cover different running time requirements (see p. 42).
- Standard 3 kW on-board battery charger, optional additional 3 kW on-board battery charger, therefore a total 6 kW charging output for fast charging the optional batteries.
- Integrated Battery Management System (BMS) monitors and protects the battery, increases efficiency and safety, and excludes a possible deep discharge.

WL28e

WL20e/WL300e

Reduced emissions

- Reduction of more than 90% of CO_2-emissions* ✓
- No exhaust emissions and minimal motor noise on the construction site ✓
- Clearly better effectiveness when compared with conventional drives ✓

Low operating costs

- Up to 85% lower energy costs when compared with a diesel machine ✓
- Lower maintenance costs ✓
- Same performance as a conventional machine in the same class ✓

Comfortable for the operator

- Noise level reduced by nine decibels; operator perceives the machine as half as loud** ✓
- Electric drive enables dynamic and powerful start-up ✓
- Charge anywhere: different charging cables/charging plugs available ✓

Flexible charging options.

1. Up to two on-board battery chargers integrated, no additional external charger required.

2. Open charging cover, insert Type 2 plug on the machine.

3. Depending on the size of the battery and the requirement, different charging cables/ charging plugs available.

* CO_2 emissions over the entire service life, directly and indirectly, thus including battery production and power generation (EU mix) compared with a conventional product in the same class.
** The decibel value gives the emission sound pressure level (LpA). This states the sound emission of the equipment at the place of work directly assigned to it, for example in the cabin.

Compact powerhouses:
the wheel loaders WL20, WL250, WL25 and WL28.

	WL20	WL250	WL25	WL28
Bucket capacity (m^3)	0.19	0.21	0.30	0.42
Operating weight (kg)	2,000–2,150*	2,100	2,380–2,550*	2,800–3,300*
Engine output (kW)	18.4	18.4	18.4	18.4/33.3*/40.1*
Tipping load of bucket, loading frame horizontal – angled machine (kg)	977–1,206*	1,240–1,390*	1,144–1,703*	1,560–2,070

* Values of optional outfitting

A lot of power with compact dimensions.

WL20, WL250, WL25 and WL28 represent maximum performance in confined working spaces.

Environmental-friendliness

- Eco mode for resource-protecting driving on longer routes (WL28)

Performance

- Designed for heavy loads: WL28 moves a pallet of paving stones effortlessly
- Compact dimensions in width, height and length, ideal for confined spaces
- Connectible 100% differential lock for maximum traction and thrusting force
- High-level hydraulic performance enables the operation of different attachments
- Perfectly tuned kinematics for the machine size

Efficiency

- Optionally up to 30 km/h for quickly relocating the machine
- Easy transport with a car trailer
- Brake/inching pedal: engine output where it is needed

Maintenance

- Tiltable cabin for quick maintenance access (not for WL250)
- Divided hydraulic hoses so that only the affected parts need to be replaced where there is damage and not the whole hose
- Easily accessible lubrication points

Versatility

- Large selection of attachments and tires
- Selectable operator's stand: Operator's canopy, EPS (fold-down operator's canopy, not for WL250) or cabin

Quality

- High-quality powder coating ensures for long service life
- Powerful lift cylinders on the load arms for optimal load distribution

Comfort

- Optimized design of the loading system for extra tipping load, stability, and an overview of the working area (WL250, WL25 and WL28)
- Maximum traction through articulated pendulum joint
- Quick and efficient attachment changeover through hydraulic quick hitch system

Safety

- Color operating concept for quick orientation in the operator's cab
- Electric parking brake with Hill-hold function ensures maximum safety and comfort (WL28)

Heavy loads are easy for the WL28.

It easily handles pallets with paving stones or other transport goods weighing up to 1.6 tons and thus offers a high level of productivity.

Compact dimensions - ideal when it comes down to centimeters. The WL250 is characterized by a low design and therefore effortlessly copes with clearance heights of less than 2 m.

Optional comfort cab for safe and fatigue-free work.

Save time and transport costs: Thanks to the compact dimensions and low weight, the machines can be transported easily by car trailer.

The design of the loading system ensures perfect all-round visibility. Both the cab and the operator's canopy offer an excellent view of the immediate work area.

WL20, WL25 and WL28 are outfitted with a tiltable operator's cab or a fold-down cabin. This allows easy access to the engine, hydraulic system, and electronics. The engine hood can be opened widely, thereby allowing for optimal access.

Folded down quickly: the EPS (Easy Protection System) operator's canopy.

Drive smarter with the WL28. The electronically controlled travel drive ensures extremely high driving comfort and increases the machine's thrusting force. In addition, various travel modes are available.

Standard: Auto-Mode: 100% familiar performance
ECO mode: reduces consumption and noise
Optional: Attachment mode: constant performance with varying loads
M-Drive Mode: manually adjust the engine speed and control the speed with the drive pedal

A multitalent with comfort:
the WL38 and WL52 wheel loaders.

	WL38	WL52
Bucket capacity (m^3)	0.64	0.85
Operating weight (kg)	4,200–4,300	5,100
Engine output (kW)	45 / 55.4*	55.4
Tipping load of bucket, loading frame horizontal – angled machine (kg)	2,494 / 3,113*	3,416

* Values of optional outfitting

All-rounder with work comfort.

An overview of the features of the models: WL32 and WL52.

Performance

- Large lift height and high ripping forces due to the long load arm design with PZ kinematics (WL38)
- WL52 with powerful Z kinematics and low front carriage for extra tipping load and an overview of the working area
- A variety of hydraulic options allows for the application of different attachments
- Powerful hydraulic system and optimally matched engine output

Efficiency

- A low turning radius allows for good maneuvering
- Power where you need it with the brake-inch pedal
- Equipped with rear hydraulic connections extending the application options, as hydraulic rear attachments can be operated (optional)

Maintenance

- Tiltable driver's cabin enables easy access to the engine, hydraulics, and electrics

Safety

- Good all-round visibility from driver's seat

Comfort

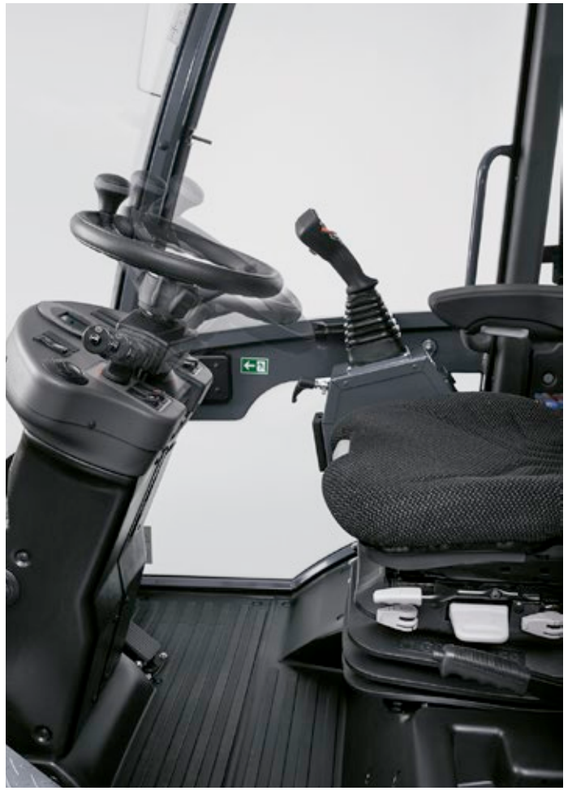
- Comfortable cabin outfitting for fatigue-free working and increased productivity
- Hydraulic joystick pilot control for concentrated working
- The joystick console is mounted to the operator's seat and moves with the oscillations

Quality

- High-quality powder coating significantly extends the machine's service life

Specialized area: All-rounder.

Our wheel loaders will never let you down, no matter what you have in mind. Our all-rounders become true specialists in every field thanks to the powerful hydraulics and a huge selection of attachments.



Comfortable work: adjustable steering wheel and air-cushioned comfort seat (optional).

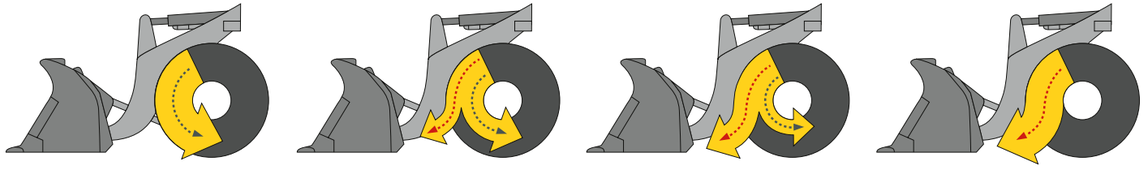
Operator-friendly and multifunctional: the innovative joystick with ergonomically-arranged, illuminated touch controls.

Adjustable joystick console on the operator's seat that swings along.

Comfortably equipped cabin.

Comfort and a high degree of ergonomics in the cabin allow the operator to work for hours fatigue-free and productively. The spacious cabins are, for example, well-dampened to offset vibrations and the comfort-seat is also air-cushionedg. The steering wheel, seat, and operating elements can be individually adapted to the size of the operator. The control of the machine and additional functions is performed using a joystick of the newest generation. The operator therefore has everything to hand.

Inch brake pedal: Engine output where it is needed.

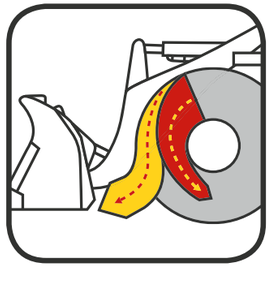


No pressure on the inch-brake pedal: full power for the travel drive system.

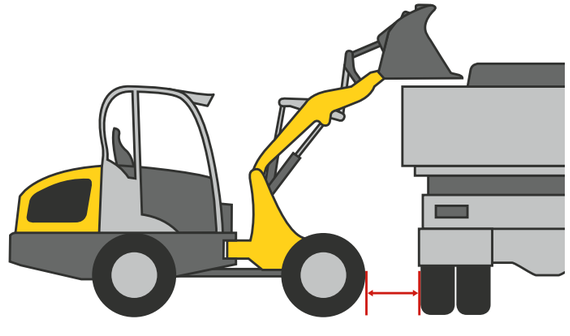
Slightly depressed inch-brake pedal: speed is reduced, more power to the work hydraulics.

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

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



Full power for the hydraulics and at the same time reducing the travel speed. The advantages are obvious: less wear of the service brake and optimal power distribution of the engine output. Stalling of the engine is not possible.



Effortless loading, even with high sides, thanks to the load arm with a large lift height and reach.

Ideal entry-level model:
the wheel loaders WL750, WL950 and WL1150.

	WL750	WL950	WL1150
Bucket capacity (m^3)	0.65	0.85	1.00
Operating weight (kg)	3,700–4,200*	5,000–5,200*	5,700–6,100*
Engine output (kW)	42	42	55.4
Tipping load of bucket, loading frame horizontal – angled machine (kg)	2,560–3,060*	3,070–3,410*	3,150–3,500*

* Values of optional outfitting

Sturdy and powerful.
The wheel loader models WL750, WL950, and WL1150.

Safety

- Good illumination of the work area increases operator safety and allows the operator to also concentrate for longer periods while working with the machine
- The load arm damping with automatic function prevents the machine from swaying at high travel speeds
- The electric parking brake provides the operator and their working environment with the maximum level of safety and comfort
- Standardized operating philosophy and the color-oriented operating concept enable the operator intuitive operation and therefore increase work safety

Comfort

- Comfort cab: Safe and fatigue-free working, greater provision of space, more storage options and a wide entry
- Cabin with 4-pillar design, deep-drawn windows and panoramic windshield ensure optimal all-round visibility
- Heating with optimized air circulation and optional air-conditioning make for consistently pleasant temperatures
- The ergonomically arranged controls, attractive interior and reduced vibrations and noise in the cab increase comfort for the operator
- Steering wheel and steering column can be set individually both in terms of height and incline with a great range
- Pressure release easily accessible on the load arm. Hydraulically operated attachments replaced even faster and more efficiently

Quality

- The central joint is very designed to be very sturdy and stable, and the front and rear carriages are connected to one another in two places
- The extremely wear resistant hydraulic hoses are guided through the central joint and are optimally protected
- The high-quality powder coating significantly extends the service life of the machine and in doing so is protecting the environment

Performance

- With the electronically controlled traction drive and different operating modes, the machine can be driven and used properly
- The kinematics are adapted to the size of the machine - which guarantees maximum productivity and optimal power ratios for every machine
- The engine is characterized by low fuel consumption low noise emissions, and high torque

Maintenance

- The engine is transversely installed and the components are optimally arranged
- All maintenance points can be ergonomically reached
- The machines have an optimized hydraulic hose network and the control valve is integrated into the front carriage of the machine. As a result, it is easily accessible via a maintenance cover

Work more efficiently.

The following features characterize the wheel loaders WL750, WL950 and WL1150: Comfort cabin with excellent ergonomics and all-round visibility, electronic controlled drive system with various operating modes, sturdy telescopic arm with the best view of the attachment, large range of available options and modern machine design. The transversely installed engine and the optimized arrangement of components ensure for really good maintenance accessibility. The models combines power, reliable hydraulics and compact dimensions with mature technology and a convincing price-performance ratio.

Excellent all-round visibility.

The 4-pillar design of the cabin, the deep-drawn windows, the large roof cutout and the panoramic windshield in combination with the flat, inclined engine hood ensure for optimal all-round visibility. This provides the operator with an excellent overview of the attachments, the immediate working area, and the entire machine surroundings. The good all-round visibility increases safety in the entire working environment of the machine.

Comfortable cabin.

The comfort cab has been optimized to the operator's needs and enables working conditions for wase and concentration. Large provision of space, more storage options and a wider entry. Heating with optimized air circulation and optional air-conditioning make for consistently pleasant temperatures. The ergonomically arranged controls, attractive interior and reduced vibrations and noise in the cab increase comfort for the operator.

Uncomplicated maintenance.

The transverse installed engine with optimized component arrangement, the easy-to-open engine hood, diverse service covers, and easily accessible lubrication points enable quick and easy maintenance. This maximizes availability of the machine and the operating costs are optimized.

Electronically regulated drive system.

With the electronically controlled traction drive the machine can be driven and used properly. Auto Mode and Eco Mode are always available as standard (no Eco Mode for WL950). Optionally, the Attachment Mode or M-Drive Mode can be selected. The electronic regulation reduces loss in the drive system and ensures a higher efficiency rate and increased efficiency.

A powerful partner:
the WL60 and WL70 wheel loaders.

	WL60	WL70
Bucket capacity (m^3)	1.00	1.10
Operating weight (kg)	5,930	7,140
Engine output (kW)	74.4	100
Tipping load of bucket, loading frame horizontal – angled machine (kg)	3,031	3,926

Versatile and efficient.
The WL60 and WL70 wheel loaders.

Performance

- Load-sensing performance hydraulics with 150 l/min flow for more operating comfort and less fuel consumption
- Optional flow-sharing increases productivity and allows for the simultaneous operation of several functions
- Travel speeds of up to 30/40 km/h for high speed working cycles (optional)
- Maximum traction due to articulated pendulum joint
- Hydraulic quick hitch system for attachments
- High hydraulic performance for flexible application of attachments
- Connectible 100% differential lock

Efficiency

- Various rear hydraulic options for additional rear attachments, such as a salt spreader in winter application
- Jog Dial: comfortable control of the oil volume for sensitive working with attachments
- Trailer operation with up to 8-ton trailer load possible with different approvals (attention: observe country provisions)
- If desired up to two electric functions of attachments controllable via joystick
- Long load arm enables high lifting heights
- Diverse options for equipment and tires

Maintenance

- Quick, favorably priced maintenance due to the tiltable cabin
- Easily accessible machine components
- Divided hydraulic hoses, which do not need to be completed replaced when damage occurs

Safety

- Cabin with large windows for optimal view of work area and machine's surroundings

Comfort

- Automatic speed-dependent load arm damping for comfortable road travel
- Always have the main functions in view with a 3.5-inch display
- Heating and ventilation system with fans, fresh-air filter, and well-placed air nozzles
- Joystick console is mounted to the operator's seat and moves with the oscillations
- Ergonomic cockpit

Quality

- Sturdy load arm design with the largest lift height in its performance range
- Durable powder-coating

Full speed ahead.

Our wheel loaders WL60 and WL70 combine large efficiency output with a high level of operating comfort and optimal ergonomics for the operator. This makes them strong partners for any challenge and in any season.

High level of stability – thanks to the optimal weight distribution

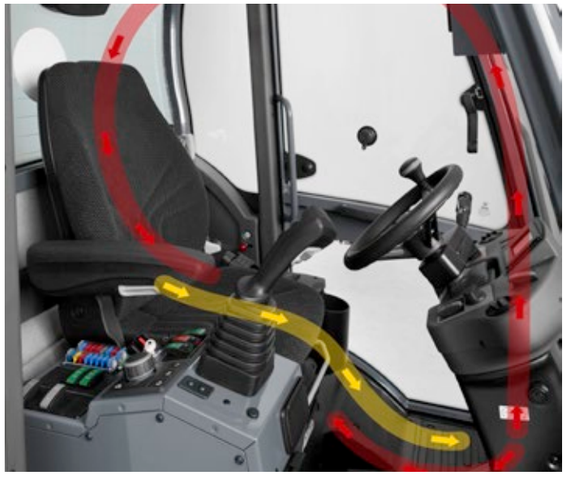
Joystick and Jog Dial.

The innovative joystick with ergonomically-arranged, illuminated touch controls creates operator friendliness and multifunctionality.

Using the “Jog Dial” it is possible to manually set the flow rate of the hydraulic oil. This is advantageous if the machine drives a hydraulic attachment, which does not require the full hydraulic performance. The operator can therefore work sensitively while protecting resources.

Ventilation as required.

The cabs feature large, wide-opening doors on both sides. The upper window can fold up completely and be locked. A gap ventilation is also possible.



Comfortable working environment.

The working environment is excellent, thanks to an effectively working heating and ventilation system with a fan, fresh air filter and well-placed air nozzles. In warm temperatures, an air-conditioning system is recommended.

Easy entry.

With a few steps, you can get into the machine's cabin comfortably. The large designed and slip-proof entry steps make this possible.

The right attachment for every machine.

The tasks for wheel loaders are varied and so are the attachments from Wacker Neuson. With our comprehensive and sophisticated product range, you will make a multifunctional machine out of any model. And through the hydraulic quick hitch system, the attachments can easily be replaced from your seat.

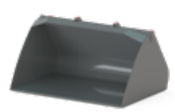
The exact specifications and availabilities of attachments differ depending on the model and country. Your Wacker Neuson partner is happy to help you.

Winter road maintenance made easy with the snowplow and gritter.

Reliable, even for heavy loads:
the width-adjustable pallet fork.

Product range for wheel loaders (selection).

4-in-1 bucket
(with ripper teeth)



Light materials bucket

Waste container

Grab bucket

Cutter

Pallet fork

Pallet fork
(fold-over)

Pallet fork
(hydraulically adjustable)

Surface planer

Pot grabber

Hedge trimmer

Mulcher

Branch cutter

V-shaped snowplow

Salt/gravel spreader
(70, 110, 170)

Sweeper

Flail mower
with collection tray

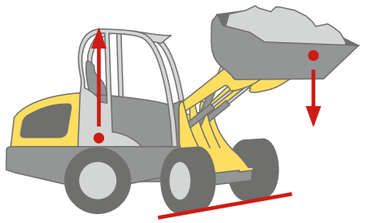
Earth auger

Learn more about our attachments here:
www.wackerneuson.com/attachments

Hydraulic equipment change directly from the operator’s seat.

Alongside the specific attachment couplings, there are other couplings available for all Wacker Neuson wheel loaders. Thus, you can use different attachments. You can find more information at your Wacker Neuson distributor.

Tipping load briefly explained.



The tipping load shows the maximum load weight of a machine, including attachment. If the value is reached, the rear wheels will lose contact with the ground.

Wacker Neuson measures the tipping load as per the standard ISO 14397 - 14397-EN474-3. The following values are specified here:

- Tipping load with bucket – horizontal loading frame, machine straight
- Tipping load with bucket – horizontal loading frame, machine angled
- Tipping load with pallet fork – horizontal loading frame, machine straight
- Tipping load with pallet fork – horizontal loading frame, machine angled

Attention: the tipping load changes due to the machine's standard equipment (e.g. rear weight, cabin or operator's canopy, etc.) and due to different attachments (e.g. buckets with different net weight).

The maximum possible bucket capacity is determined via the tipping load and the payload:

$$\text{Payload} = \frac{\text{Tipping load angled}}{2}$$

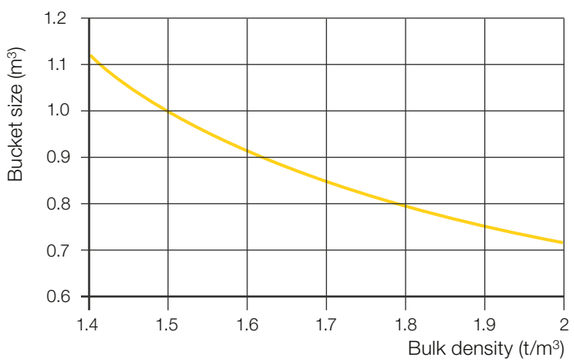
$$\text{Bucket capacity} = \frac{\text{Payload (t)}}{\text{spec. material weight (t/m}^3\text{)}}$$

Bulk material and bucket selection.

Each bulk material has a different density and thus a different weight for the same quantity. The following tables provide you with an overview of the different bulk material and the corresponding bucket selection.

Bulk material	Bulk density t/m³
Moist soil	2.10
Dry soil	1.50
Lime	1.60
Mortar	2.20
Dry sand	1.65
Moist sand	2.00
Dry gravel	2.00
Moist gravel	2.00
Waste paper	1.10
Household trash	0.70
Loose snow	0.13
Moist snow	0.65
Logs	0.80
Wood chips	0.35
Wood pellets	0.65
Granite	1.80
Sandstone	2.40
Slate	2.20
Bauxite	1.40
Broken plaster	1.80
Coke	0.50
Broken glass waste	1.40
Whole glass waste	1.00
Compost	1.00
Bulky waste	1.00

Bucket selection table



Tire treads.

The correct tires on a wheel loader play a very important role in specific applications. If all tires are optimally attuned to the sub-base and the area of application, everything runs perfectly. There are seven tire profiles available to you. The detailed specifications and availabilities of the tires are different depending on the model and the country. Your Wacker Neuson partner will gladly advise you further.

RP tread (turf)
- Gentle travel on the ground due to the large contact surface
- For application on lawns and green areas

AS tread (tractor)
- Tapered lamellas
- For smeary and very dirty surfaces
- For earthworks, green areas (and loamy ground)

EM tread (earth moving)
- Parallel-running lamellas
- Large contact surface and therefore good thrusting force transmission and high running smoothness on the street
- For earthworks, sand, gravel, crushed stone, asphalt

MPT tread (industry)
- Very broad application spectrum
- Good traction in uneven ground conditions
- Allows for quick road crossings
- For asphalt, gravel, crushed stone, industry

Multi-use tread
- For varied year-round use and various climate conditions
- Good traction on loose surfaces in the summer
- Good stability on snow and slippery driving surfaces during the winter
- For ice/snow, asphalt, industry, municipalities

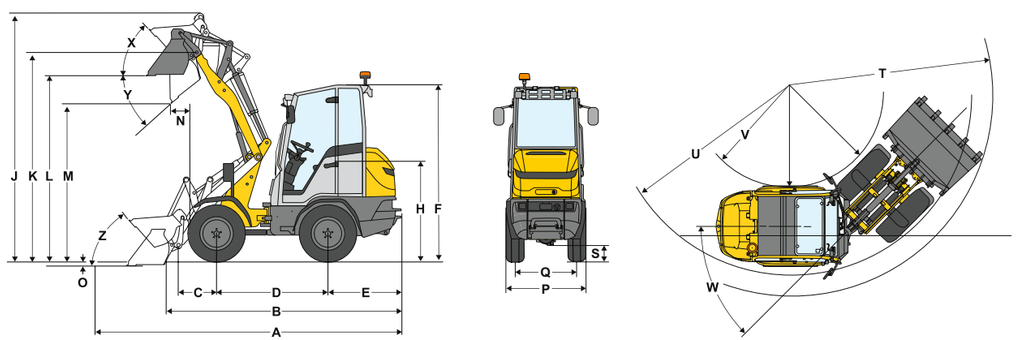
SureTrax tread
- Large contact area
- High load-bearing capacity
- Ideal for paved and other hard surfaces
- For asphalt, paving stones, hard and firm ground

Bibload tread
- High level of running smoothness and long service life due to the large contact surface with the ground
- Good traction due to the offset tread blocks
- High wear resistance
- For asphalt, industry and firm ground conditions

Dimensions.

		Unit	WL20e	WL300e	WL28e	WL20	WL250	WL25	WL28	WL750	WL38	WL950	WL52	WL1150	WL60	WL70
Standard tires		–	27 x 10.5–15 Deestone D304 ET0	27 x 10.50–15 BKT EM ET-5	12–16.5 EM ET0	27 x 10.5–15 EM ET-5	27 x 8.50–15 EM ET30	10–16.5 EM ET0	12–16.5 EM ET0	12.0–18 Alliance 317 ET15	15/55–18 EM ET0	405/70 R 18 Alliance 608 ET0	405/70–18 EM ET0	405/70 R 18 Alliance 608 ET0	405/70–18 EM ET0	405/70–18 EM ET0 Front water filling
Standard bucket			Digging bucket 1,150 mm, 0.19 m^3	Digging bucket 1,250 mm, 0.30 m^3	Digging bucket 1,350 mm, 0.45 m^3	Digging bucket 1,150 mm, 0.19 m^3	Digging bucket 1,250 mm, 0.21 m^3	Digging bucket 1,250 mm, 0.27 m^3	Digging bucket 1,350 mm, 0.45 m^3	Digging bucket 1,650 mm, 0.65 m^3	Digging bucket 1,650 mm, 0.6 m^3	Digging bucket 1,900 mm, 0.85 m^3	Digging bucket 2,000 mm, 0.85 m^3	Digging bucket 2,000 mm, 1.00 m^3	Digging bucket 1,900 mm, 1.0 m^3	Digging bucket 2,100 mm, 1.1 m^3
A	**Overall length**	**mm**	3,697	3,974–4,015	4,616	3,721	3,830	4,087	4,520	5,420	5,138	5,430	5,420	5,705	5,898	5,898
B	**Total length without bucket**	**mm**	3,061	3,243–3,283	3,777	3,063	3,240	3,302	3,710	4,610	4,281	4,670	4,760	4,855	4,780	4,780
C	**Center of axle up to the bucket swivel point**	**mm**	509	514 – 578	670	508	505	532	670	910	675	960	1,040	1,120	991	991
D	**Wheel base**	**mm**	1,468	1,620–1,645	1,764	1,468	1,670	1,612	1,760	2,150	2,045	2,150	2,110	2,150	2,150	2,150
E	**Rear overhang**	**mm**	971	971	1,233	975	955	1,045	1,230	1,435	1,516	1,435	1,530	1,435	1,676	1,676
F	**Height (min./max.)**	**mm**	1,939–2,336*	1,924–2,321*	1,931–2,418*	1,880–2,302*	1,980-1,990*	1,877–2,291*	1,890–2,395*	2,335-2,415*	2,371–2,548*	2,510	2,498–2,680*	2,510	2,693	2,693
H	**Seat height**	**mm**	1,292	1,277	1,361	1,225	1,000	1,259	1,350	1,390	1,204	1,485	1,590	1,485	1,609	1,609
J	**Total working height**	**mm**	3,248	2,851–3,383	3,235	3,274	3,050	3,582	3,210	3,865	4,007	4,070	3,930	4,305	4,409	4,536
K	**Max. height of the bucket swivel point**	**mm**	2,710	2,266–2,793	2,584	2,693	2,510	2,862	2,560	3,040	3,251	3,250	3,240	3,425	3,686	3,686
L	**Load-over height**	**mm**	2,436	1,967-2,498	2,264	2,424	2,220	2,573	2,240	2,780	2,892	2,995	2,980	3,175	3,375	3,375
M	**Dumping height**	**mm**	2,017	1,448–2,007	1,718	2,011	1,790	2,047	1,700	2,230	2,379	2,450	2,470	2,545	2,841	2,840
N	**Reach with M**	**mm**	296	322–351	520	350	80	337	520	540	155	675	625	880	799	799
O	**Scraping depth**	**mm**	83	114–141	108	94	120	50	130	115	120	85	96	105	74	73.5
P	**Overall width**	**mm**	1,052	1,070	1,251	1,076	980	1,210	1,250	1,465	1,570	1,830	1,810	1,830	1,829	1,829
Q	**Track width**	**mm**	804	814	940	810	761	940	940	1,170	1,200	1,420	1,400	1,420	1,422	1,422
S	**Ground clearance**	**mm**	219	204	284	207	208	250	270	335	312	375	370	365	375	375
T	**Max. outward radius**	**mm**	2,645	2,880–2,896	3,167	2,681	3,100	2,912	3,200	4,165	3,652	4,300	4,240	4,450	4,072	4,341
U	**Radius on the outer edge**	**mm**	2,379	2,505–2,542	2,774	2,356	2,730	2,590	2,800	3,850	3,317	3,935	3,850	3,990	3,686	3,686
V	**Inside radius**	**mm**	1,205	1,418–1,445	1,504	1,219	1,610	1,330	1,510	2,240	1,640	2,070	1,910	2,070	1,666	1,666
W	**Articulation angle**	**°**	45	45	45	45	43	45	45	40	45	40	40	40	45	45
X	**Rollback angle at max. lift height**	**°**	50	45–49	47	50	49	48	47	45	43	66	71	65	33	33
Y	**Max. angle for bucket emptying**	**°**	40	42–47	41	38	45	42	41	42	42	45	45	45	33	33
Z	**Rollback angle on the ground**	**°**	49	47–51	50	48	48	46	50	46	41	44	43	45	39	39

* Depending on operator's cab (cabin, cabin low/high, operator's canopy fixed, operator's canopy low/high, operator's canopy fold-down)



Technical data.

	Unit	WL20	WL250	WL25	WL28		WL750	WL38		WL950	WL52	WL1150	WL60	WL70
Engine data														
					Standard	Option		Standard	Option					
Engine manufacturer	–	Perkins	Perkins	Perkins	Yanmar	Yanmar	Kohler	Deutz	Deutz	Kohler	Deutz	Kohler	Perkins	Perkins
Type of drive	–	403 J-11	403 J-17	403 J-17T	3 TNV 80 FT	3 TNV 86 CHT	KDI1903TCR	TD 2.9 L4 S5	TCD 2.9 L4 S5	KDI1903TCR	TCD 2.9 L4 S5	KDI2504TCR	904J-E36TA	904J-E36TA
Engine output	kW/hp	18.4/25	18.4 / 25	18.4/25	18.4/25	33.3/45.3/ 40.1/54.5	42/57	45/61	55.4/75	42/57	55.4/75	55.4/75	75/102	100/136
Cylinders	–	3	3	3	3	3	3	4	4	3	4	4	4	4
at max. rpm	rpm	2,800	2,800	2,800	2,600	2,600	2,600	2,300	2,300	2,600	2,300	2,300	2,200	2,200
Displacement	cm^3	1,131	1,663	1,663	1,226	1,568	1,861	2,900	2,900	1,861	2,900	2,482	3,621	3,621
Type of coolant	–	Water	Water	Water	Water	Water	Water	Water	Water/ charge air	Water	Water/ charge air	Water	Water/ charge air	Water/ charge air
Exhaust standard level	–	V	V	V	V	V	V	V	V	V	V	V	V	V
Exhaust after-treatment	–	–	–	–	–	DOC/DPF	DOC/DPF	DOC/DPF	DOC/DPF	DOC/DPF	DOC/DPF	DOC/DPF	DOC/DPF/ SCR	DOC/DPF/ SCR
Weights														
Operating weight	kg	2,000–2,150*	2,100	2,380–2,550*	2,800–3,300*		3,700–4,200*	4,300		5,000–5,200*	5,100	5,700–6,100*	5,930	7,140
Bucket capacity (standard bucket)	m^3	0.19	0.21	0.30	0.42		0.65	0.64		0.85	0.85	1.00	1.00	1.10
Tipping load with bucket, horizontal loading frame – machine straight	kg	1,215–1,437*	1,470–1,640*	1,393–1,958*	1,860–2,510*		2,930–3,490*	3,719		3,570–3,950*	3,949	3,730–4,060*	3,674	4,762
Tipping load with bucket, horizontal loading frame – angled machine	kg	977–1,206*	1,240–1,390*	1,144–1,703*	1,560–2,070		2,560–3,060*	3,113		3,070–3,410*	3,416	3,150–3,500*	3,031	3,926
Tipping load with pallet fork, horizontal loading frame – machine straight	kg	904–970*	1,050–1,220*	1,096–1,536*	1,550–2,070*		2,390–2,850*	3,170		2,960–3,260*	3,055	3,290–3,570*	3,344	4,254
Tipping load with pallet fork, horizontal loading frame – angled machine	kg	719–866*	880–1,030*	975–1,339*	1,310–1,720*		2,100–2,500*	2,662		2,560–2,830*	2,555	2,810–3,090*	2,791	3,559
Operator's cab														
Operator's cab (optional)	–	FSD (EPS, cabin)	FSD (cabin)	FSD (EPS, cabin)	FSD (EPS, cabin)		FSD (cabin)	Cab		Cab	Cab	Cab	Cab	Cab
Filling levels														
Tank capacity for fuel	l	20	18	45	50		80	65		80	82	80	105	105
Tank capacity for hydraulic oil	l	20	18	27	30		32	50		32	66	32	95	95
Drive														
Drive system	–	Hydrostatic via universal joint shaft	Hydrostatic via four wheel hub motors	Hydrostatic via universal joint shaft	Electronically controlled hydrostatic via universal joint shaft		Electronically controlled hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft		Electronically controlled, hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Electronically controlled, hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft
Speeds ranges	–	2	1	2	2		2	2		2	2	2	2	2
Travel speed (optional)	km/h	0–20	0–20	0–20	0–20 (30)		0–20 (30)	0–20 (28)		0–20	0–20 (30)	0–20 (30)	0–20 (30/40)	0–20 (30/40)
Hydraulic system														
Drive hydraulics working pressure (optional)	bar	330 (450)	420	370	400 (470)		500	450		500	450	500	445	445
Work hydraulics flow rate (optional)	l/min	30.8	44.8	44.8	49.5 (58.5–84)		59 (74)	57.5 (74–115)		74	73.6 (83–115)	77 (95)	100 (115–150)	100 (115–150)
Work hydraulics working pressure (optional)	bar	225	185	185	210		235	210		235	220	235	210	210
Noise characteristic values														
Average sound power level LwA	dB (A)	98.4	99.4	100.1/99.7	99		99.9	99.3		99.9	100.3	99.8	101	101
Guaranteed sound power level LwA	dB (A)	101	101	101	101		101	101		101	101	101	103	103
Specified sound pressure level LpA	dB (A)	84	80-84	85/82	84		69-70	78		69	78	71	78	78

* optional equipment

Tipping load according to ISO 14397-EN474-3
FSD = operator's canopy
EPS = Easy Protection System (fold-down operator's canopy)
DOC = diesel oxidation catalyst
DPF = diesel particulate filter
SCR = selective catalytic reduction

Technical data.

	Unit	WL20e			WL30Oe			WL28e		
Electric motor										
Motor hydraulics	**kW**	6.5 (EN60034–1)			6.5 (EN60034–1)			33.1 (ECE R085)		
Motor work hydraulics	**kW**	8.5 (EN60034–1)			8.5 (EN60034–1)			21.2 (ECE R085)		
Battery										
		Standard	Option	Option	Standard	Option	Option	Standard	Option	Option
Battery type	**–**	Lithium ion	Lithium ion	Lithium ion	Lithium ion	Lithium ion	Lithium ion	Lithium ion	Lithium ion	Lithium ion
Battery voltage	**V**	48	48	48	48	48	48	96	96	96
Battery capacity	**kWh**	14.1	18.7	23.4	14.1	18.7	23.4	14.1	18.0	28.0
Battery weight	**kg**	132	148	165	132	148	165	153	186	244
Charging time (0 – 100%)	**h**	4–6*	3–8*	4–10*	4 – 6*	3 – 8*	4 – 10*	4.7–6*	3.2–7.5h*	5.5–11.5*
Charging time (20 – 80%)	**h**	2.9*	1.9*	2.4*	2.9*	1.9*	2.4*	2.9*	1.8*	2.7*
Running time up to	**h**	3.27**	5.07**	7.30**	2.98**	4.61**	6.64**	2.5**	3.5**	5.3**
Weights										
Operating weight	**kg**	2,170–2,350***			2,400–2,580***			2,800–3,300***		
Bucket capacity (standard bucket)	**m³**	0.19			0.30			0.42		
Tipping load with bucket, horizontal loading frame – machine straight	**kg**	1,550–1,620***			1,650–2,270***			1,860–2,510***		
Tipping load with bucket, horizontal loading frame – angled machine	**kg**	1,210–1,320***			1,360–1,910***			1,560–2,070***		
Tipping load with pallet fork, horizontal loading frame – machine straight	**kg**	1,110–1,160***			1,290–1,690***			1,550–2,070***		
Tipping load with pallet fork, horizontal loading frame – angled machine	**kg**	860–940***			1,060–1,420***			1,310–1,720***		
Operator's cab										
Operator's cab (optional)	**–**	FSD (EPS, cabin)			FSD (EPS, cabin)			FSD (EPS, cabin)		
Filling levels										
Tank capacity for hydraulic oil	**l**	20			20			30		
Drive										
Drive system	**–**	Electrically via universal joint shaft			Electrically via universal joint shaft			Electrically via universal joint shaft		
Speeds ranges	**–**	1			1			2		
Travel speed (optional)	**km/h**	0–15			0–15			0–15 (20, 25)		
Hydraulic system										
Work hydraulics flow rate (optional)	**l/min**	32			36			41.6		
Work hydraulics working pressure (optional)	**bar**	225			225			210		
Noise characteristic values										
Average sound power level LwA	**dB (A)**	91.8			85.1			83.9		
Guaranteed sound power level LwA	**dB (A)**	92			87			85		
Specified sound pressure level LpA	**dB (A)**	76			76			60–64		

Tipping load according to ISO 14397-EN474-3
FSD = operator's canopy
EPS = Easy Protection System (fold-down operator's canopy)

* The charging time is dependent on the different charging options. On-board charger 3 kW (standard), with additional on-board charger total 6 kW (option). The following charging plug options are available: 230 V / 10 A Schuko, 230 V / 16 A CEE (blue, 3-pole), 400 V / 16 A CEE (red, three-phase current, 5-pole), 400 V / 16 A (Type 2 plug Wallbox, IEC 62196) and other adapter plugs.

** The running times of the battery are dependent on the respective application conditions, the task and the driving style. This may also mean that a longer running time can be achieved. The specified running times may also be undercut in extreme cases.
The specified running times refer to uninterrupted operation and working with the machine.

*** optional equipment

Variety in the outfitting.

The Wacker Neuson wheel loaders have extensive and high-quality standard components. Furthermore, it is possible to individually configure depending on the application purpose and model (e.g. engine, drive system, electrical system and hydraulics). It is always guaranteed that the machine will fulfill the individual demands and preferences.

30 / 40 km/h speed.

Depending on the type of machine and the corresponding engine version, the wheel loader can optionally achieve a speed of 30 or 40 km/h. This enables a faster movement of the machine from A to B, whilst saving time and increasing economic efficiency.

Rear hydraulic connections.

The machine can be equipped with hydraulic hoses on the rear (single or dual-acting). As a result, application options for the machine increase, because hydraulic rear attachments or tipper-attachments can be operated. The different rear hydraulic options extend the range of use of the machine and provide more flexibility in use.

Climate control system.

The optionally available climate control system ensures a comfortable working environment inside the cabin when ambient temperatures are high. The operating element for control and the air nozzles are always in the best possible position dependent on the type of cabin. The climate control increases the comfort for the operator and therefore enables fatigue-free working, as it reduces the operator's load in warm ambient temperatures.

Lighting.

The lighting can be adapted to different requirements. Depending on the machine type, different options are available: The extensive lighting packages enable a customized working environment with the machine, even in the dark. Good illumination of the working area increases work safety and allows the operator to work with the machine longer and with a greater degree of concentration.

The availability of the presented equipment and options is dependent on the respective machine type - for more information, please contact your Wacker Neuson distributor.
More information can be found at: www.wackerneuson.com

Wacker Neuson – all it takes.


Concrete technology


Vibratory rammers

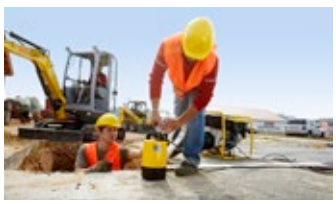

Vibratory plates


Rollers


Demolition technology


Generators


Lighting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Excavators


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