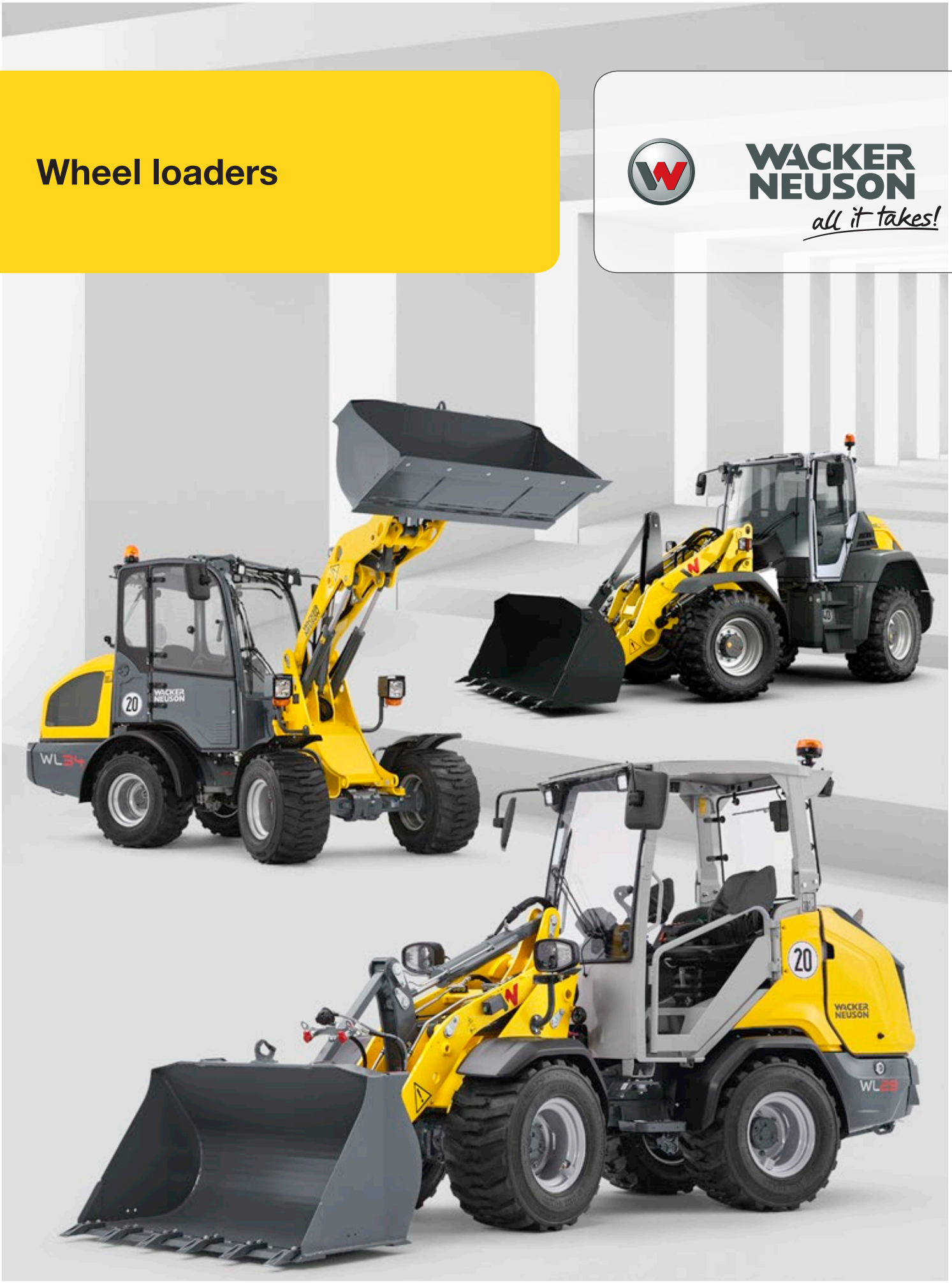
Wheel loaders

WACKER NEUSON
all it takes!



These reasons speak for wheel loaders from Wacker Neuson.

1. Full power – precisely for your requirements.
Optimally balanced performance level characterizes every wheel loader from Wacker Neuson. In this way, you always get the power that you need in all classes – combined with maximum efficiency.

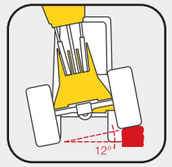
2. Full flexibility – for varied application all year round.
You can outfit a wheel loader from Wacker Neuson with different attachments time and time again for new jobs: from the traditional digging bucket to the pallet fork to the numerous special attachments for the construction industry, recycling, municipalities, and gardening and landscaping. In this way, you create exactly the all-rounder that you need.

3. Full economic efficiency – and in every respect.
High quality materials for a long service life. Economical in consumption. Good maneuverability for quick loading cycles. Maintenance that is done in no time. We at Wacker Neuson always consider economic efficiency as an overall concept.

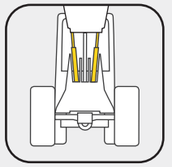
4. Your wheel loader as an attachment carrier
Use the wheel loaders from Wacker Neuson as you need them – the matching hydraulic performance and control circuits for additional functions make this possible.

Wacker Neuson—all it takes!
We offer products and services rendered that meet your high requirements and diverse applications.
Wacker Neuson stands for reliability. This of course also applies to our large range of wheel loaders. We do our best every day to ensure your success. And we do this full of passion for our jobs.

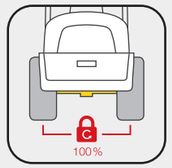
Wheel loader expertise down to the last detail.



Maximum Traction
Thanks to the articulated pendulum joint with 12° oscillating angle, all four wheels retain good traction, even in uneven ground conditions - and the operator maintains optimal control.



Two powerful lift cylinders
For even more stability of the loading system, all wheel loaders from Wacker Neuson are equipped with two lift cylinders. In this way, the hydraulic power is optimally distributed to the load arm.



Switchable 100% differential lock
The switchable 100% differential lock gives you good traction even on difficult surfaces.

High-quality powder coating
In comparison to conventional wet varnishing, powder coating greatly extends the service life of the machine. It is also environmentally friendly.

Wheel loaders always in focus with EquipCare.
With our Telematics solution, EquipCare, you give your machines a voice. Machines equipped with the Telematics module actively report in, for example to inform you of upcoming maintenance or possible malfunctions. For these machines, our EquipCare Dual ID is also available as an option. This is an electronic access control. Thus, you can set exactly who can operate your machines, increasing security on your construction site.

EQUIPCARE

All wheel loaders in an overview.

WL20e

Bucket capacity: 0.19 m³

> Page 04

WL20

0.19 m³

WL25

0.30 m³

WL28

0.42 m³

> Page 10

WL32

0.47 m³

WL38

0.64 m³

WL52

0.85 m³

> Page 16

WL34

Bucket capacity: 0.50 m³

WL44

0.80 m³

WL54

0.90 m³

> Page 22

WL60

1.00 m³

WL70

1.10 m³

WL95

1.55 m³

WL110

1.80 m³

> Page 28

> Page 34

The purely electrically operated wheel loader works with low-noise and is 100% emission-free, protecting the operator and the working environment

The AGM battery with on-board battery charger can be charged at any 230 V outlet. Intermediate charges are possible at any time

Easy to handle, low maintenance effort, and therefore low service costs

Electric, practical, innovative: the WL20e.

	WL20e
Bucket capacity (m^3)	**0.19**
Operating weight (kg)	**2,350**
Motor output (kW)	**6.5* / 9****
Tipping load of bucket, loading frame horizontal – angled machine (kg)	**1,251**

* Motor drive system ** Engine work hydraulics

Two electric motors, one for the drive system and one for the work hydraulics, allow for power to be accessed when needed and minimize consumption

The low noise level protects the operator and the working environment

Reduced service costs compared to the conventional diesel drive

The performance of the WL20e corresponds to the performance of the diesel-powered wheel loader WL20 and the tipping load is even higher

Flexible intermediate charges possible at any time, no memory effect

Hill-hold function – when at a standstill on the mountain, the electric motor holds the machine in place

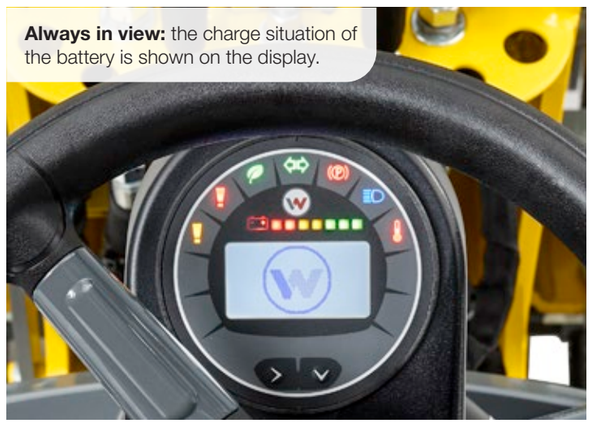
Leak-proof AGM battery technology (absorbent glass mat) makes handling the machine extremely safe

“On-board” battery charger – easily charge via a 230 V outlet at any time

Innovative technology, time-tested and proven in application.

Wacker Neuson is driving innovation in the field of electric drives for construction equipment. With the WL20e, we offer you an emission-free solution that has already been time-tested and proven for several years and in many different operations – and which we continuously strive to develop even further. So that you always benefit from the latest technology.

Hydraulically lowerable: the operator's canopy EPS Plus (Easy Protection System Plus).



Always in view: the charge situation of the battery is shown on the display.

Leak-proof and maintenance-free AGM battery

- Safe handling: battery does not leak (sealed system)
- Low temperature sensitivity (outside temperature)
- Easy to use: charging with "onboard" charger at standard household 230 V outlet

Reduced emissions

- Reduction of more than 90% of CO_2 emissions*
- No exhaust emissions and minimal motor noise on the construction site
- Significantly improved electric motor efficiency as a result of high efficiency rate

Low operating costs

- Up to 85% lower energy costs
- Higher tipping load thanks to battery weight
- 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 travel
- Charge anywhere: with the on-board battery charger at any 230-V outlet.

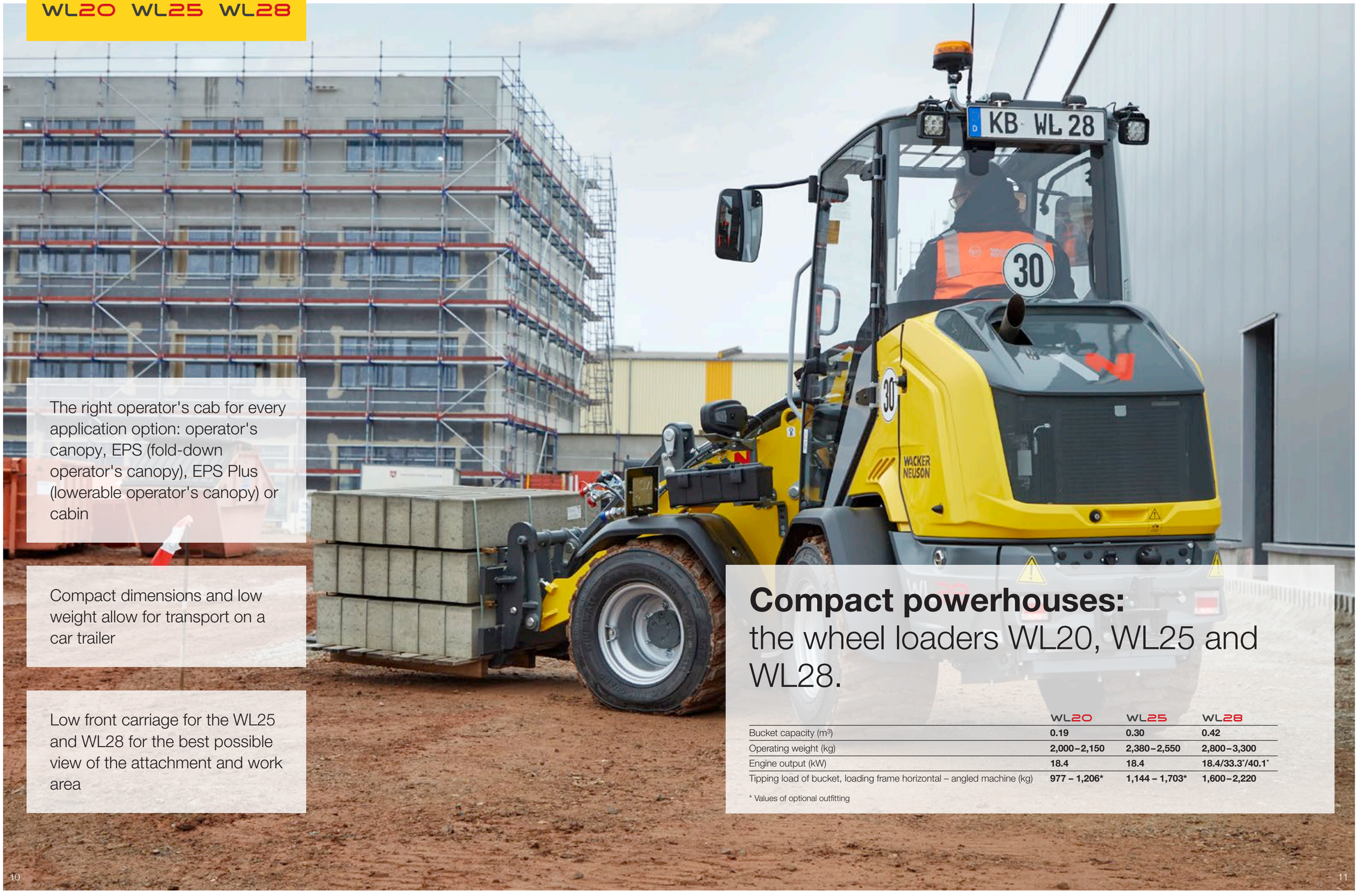
Easy charging at any 230 V outlet.

1. The charging device is always "onboard": open the rear lid and take out the charging cable.

2. Insert into 230 V outlet.

3. LED lights on the on-board battery charger indicate the current charge situation of battery.

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



The right operator's cab for every application option: operator's canopy, EPS (fold-down operator's canopy), EPS Plus (lowerable operator's canopy) or cabin

Compact dimensions and low weight allow for transport on a car trailer

Low front carriage for the WL25 and WL28 for the best possible view of the attachment and work area

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

	WL20	WL25	WL28
Bucket capacity (m^3)	**0.19**	**0.30**	**0.42**
Operating weight (kg)	**2,000–2,150**	**2,380–2,550**	**2,800–3,300**
Engine output (kW)	**18.4**	**18.4**	**18.4/33.3*/40.1***
Tipping load of bucket, loading frame horizontal – angled machine (kg)	**977 – 1,206***	**1,144 – 1,703***	**1,600–2,220**

* Values of optional outfitting

WL20 WL25 WL28

Good maneuvering thanks to the small turning radius

Powerful hydraulics and tailored engine output for the best performance

Compact dimensions in width, height and length, ideal for confined spaces

Selectable operator's stand: operator's canopy, EPS (fold-down operator's canopy), EPS Plus (lowerable operator's canopy, only WL20) or cabin

Ideal for heavy loads: WL28 easily moves a pallet of paving stones

Electric parking brake with Hill-hold-function ensures maximum safety and comfort (WL28)

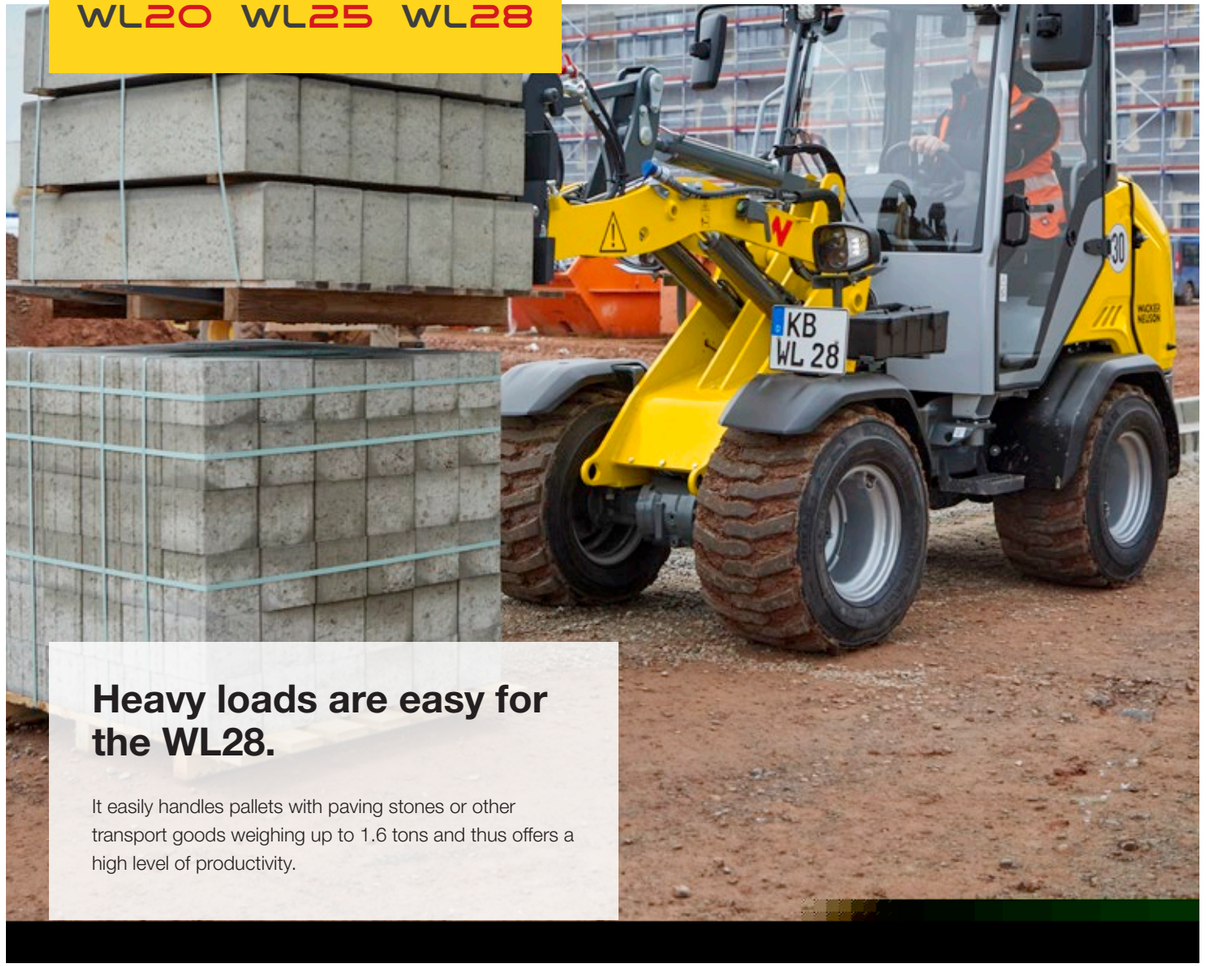
Infinitely variable mudguards make it possible to use different tires

Optionally up to 30 km/h for quickly relocating the machine

Easy transport on a car trailer thanks to the low weight

Flexible and universal in application due to the optimally tailored kinematics and very good weight distribution

Optimized design of the loading system: for extra tipping load, stability, and an overview of the working area



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.

Thanks to different attachments, the three wheel loaders can be used for a wide variety of tasks.

Compact dimensions – ideal when it comes down to centimeters.

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

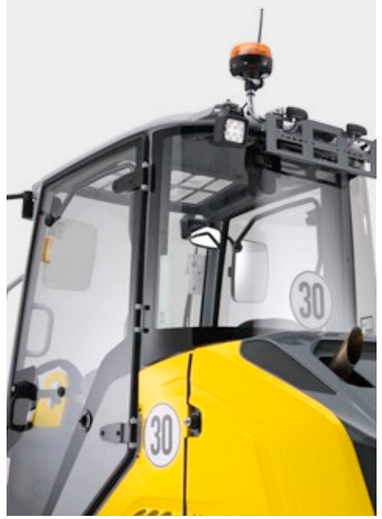
The design of the loading system ensures perfect all-round visibility. Both the cab and the operator's canopy offer an excellent view of the immediate work area.

Optimal service accesses.

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

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

Optional comfort cab for safe and fatigue-free work.

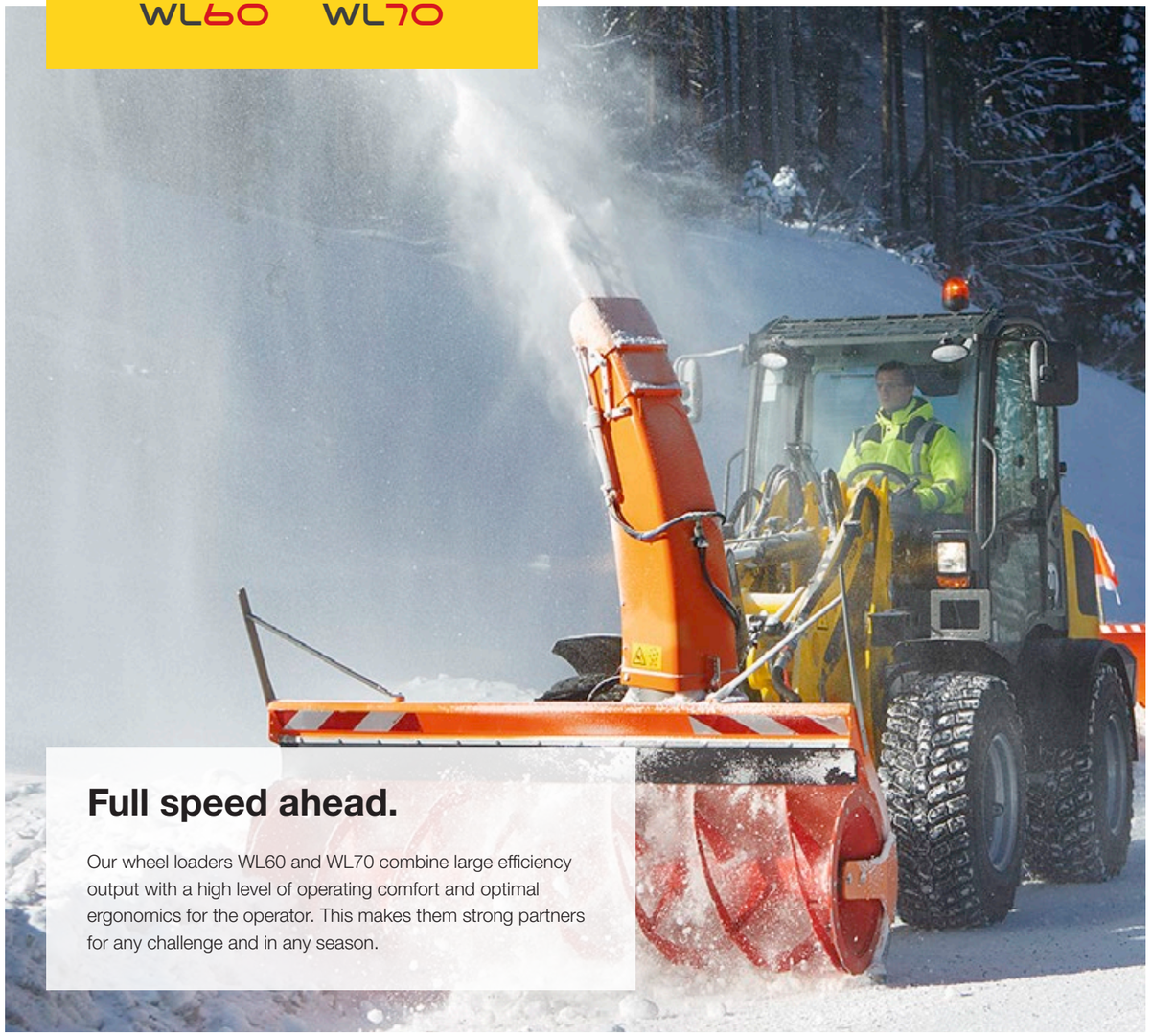


Drive smarter with the WL28

The electronically controlled travel drive ensures extremely high driving comfort and increases the machine's thrust. 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: manual speed adjustment



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.

Joystick and Jog Dial.

Perfect control of machine and functions via a joystick of the latest generation. The innovative joystick with ergonomically-arranged, illuminated touch controls creates operator friendliness and multifunctionality.

If necessary, the flow rate of the hydraulic oil can be manually set using the "Jog Dial" control element. This is advantageous if the machine drives a hydraulic attachment, which does not require the full hydraulic performance of the machine. The operator can thus work with the machine and attachment very sensitively and in a resource-conserving way.

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 efficiently 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.

High level of stability – thanks to the optimal weight distribution.

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.

Powerful drive system ecospeedPRO for powerful variable acceleration up to 40 km/h – without shaking and tractive force interruption

Large ergonomic comfort cabin with versatile outfitting and an optimal view of the attachment

Powerful performance for heavy materials handling

Productivity is emphasized: the wheel loaders WL95 and WL110.

	WL95	WL110
Bucket capacity (m^3)	**1.55**	**1.80**
Operating weight (kg)	**10,390**	**11,250**
Engine output (kW)	**100 / 115***	**115**
Tipping load of bucket, loading frame horizontal – angled machine (kg)	**5,748**	**6,674**

* Values of optional outfitting

Optimal service accesses
thanks to the wide-opening engine hood and removable mudguards

Extensive standard equipment
such as a large LCD display, rear-view camera, automatic air conditioning

Powerful load-sensing
hydraulics with 150 l/min (optional 180 l/min) for faster work cycles

The power output sets new standards for tipping load, thrusting power and lift capacity

Hydraulic reversing fan
reverses the air flow at the push of a button and thus cleans the radiator

Automatic bucket return saves the tool position at the touch of a push button and recalls it again during any new loading process – for maximum precision and speed, for example when stacking or filling

Trailer operation up to 18 tons for all common coupling systems

Individual configuration of the engine, drive, operator's stand and hydraulics

Excellent all-round visibility thanks to the fully glazed cabin and plenty of headroom and freedom of movement

Various drive modes can be selected

Digging bucket
with 1.8 m³ for large material handling

Powerful Load-Sensing-Hydraulics
of 180 l/min

Powerful engine
with 156 hp in standard equipment

Good all-round visibility and an ergonomic working area.

Plenty of legroom, clearly arranged switches, comfortable operator's seat and optimal view of the attachment. A working area that motivates and fully supports the operator. The console with the multifunctional joystick "Jog Dial," electronic manual throttle and inching were of course realized to be co-sprung with the seat to allow for comfortable driving and working.

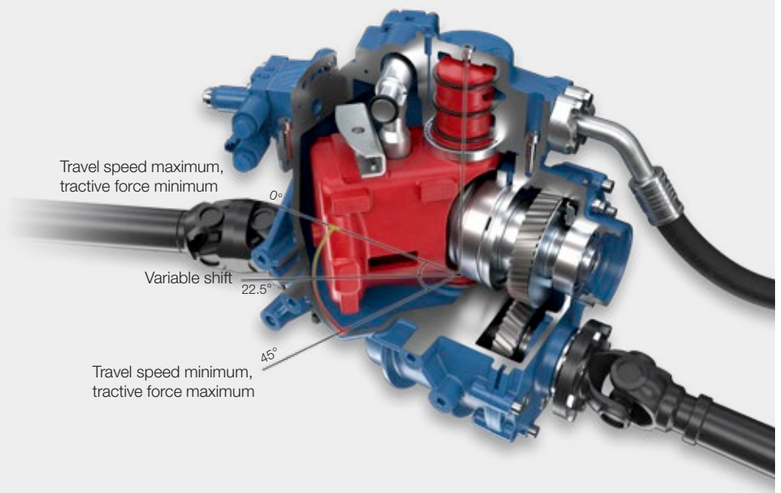
With a digital 7"-Display, keep everything in view:
In addition to standard displays such as temperature, tank filling, or operating hours, active functions, such as active electrical functions, the continuous operation of the 3rd control circuit, or the activated differential lock are also displayed in the cockpit.

Hydraulic oil volume adjustment easily via "Jog Dial:"
If an attachment does not require the full hydraulic performance, the flow volume can be reduced manually. In this way, the operator can work sensitively with the machine and attachment while saving resources.

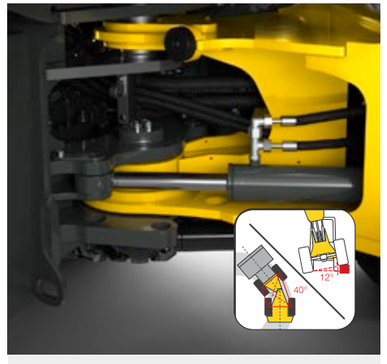
New powerful transmission.

ecospeed PRO

The ecospeedPRO is a variable hydrostatic transmission, which achieves higher tractive forces and travel speeds than previously developed solutions, all while retaining the advantages of previous drives with respect to compactness, energy efficiency, and operator comfort. ecospeedPRO allows for speeds of up to 40 km/h without shifting. This results in a comfortable driving style, since no tractive force interruptions occur nor can shifting jerks be felt.



Optimal service accesses:
The WL95 and WL110 offer easy-to-access maintenance flaps and the mudguards can be removed. This allows easy access to the engine, hydraulic system, and electronics. This greatly facilitates the inspection and maintenance of the machine. The engine hood can be opened widely, thereby allowing for optimal access.



Rear articulated joint and oscillating axle:
Tight curves, small slopes – every construction site is different. In order to bring the transported material safely to the destination, the WL95 and the WL110 are equipped with an articulated joint and an oscillating axle in the rear. This ensures the optimum maneuverability and traction in any situation. At 40°, the steering angle is generous, the turning circle over tires is 4.90 m and the inner radius is 2.45 m.

Trailer operation up to 18 tons:
WL95 and WL110 have a self-recovery coupling as standard. In addition, the following coupling possibilities are available: automatic ball hitch, K50 ball hitch (car trailer), Auto Hitch, Piton Fix, as well as CUNA D3. To safely move trailer loads, there is both a two-line pneumatic brake as well as a hydraulic trailer brake.

Attachments.

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 right snow blower.

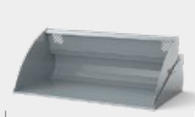
Reliable even for heavy loads: the width-adjustable pallet fork.

Product range for wheel loaders (selection).

4-in-1 bucket
(with ripper teeth)

Light materials bucket

Side dump bucket

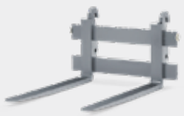


Dozing bucket

Grab bucket

Stone bucket

Screed bucket



Pallet fork

Pallet fork
(fold-down)

Pallet fork
(hydraulically adjustable)

Surface planer

Pot grabber

Stump grinder

Mulcher

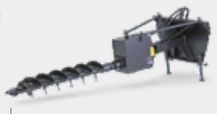
Branch cutter

V-shaped snowplow

Salt/gravel spreader
(110 l, 170 l, 300 l)

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.

For all wheel loaders from Wacker Neuson many other couplings are possible in addition to the company's own couplings. 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 - 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 pivoted
- Tipping load with pallet fork – horizontal loading frame, machine straight
- Tipping load with pallet fork – horizontal loading frame, machine pivoted

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:

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

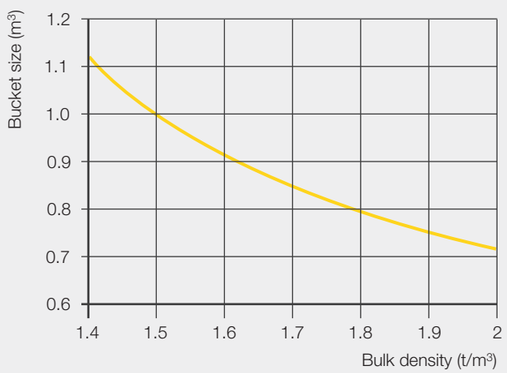
$$\text{Bucket capacity} = \frac{\text{Payload (t)}}{\text{spec. material weight (t/m}^3\text{)}}$$

Bulk material and bucket selection.

Each bulk material has a different density and thus a different weight for the same quantity. The following tables give an overview of different bulk materials 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 right wheel loader tires play an important role in specific applications. Everything runs perfectly if the tires are optimally matched to the ground surface and application area. Seven treads are available for you to choose from.

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

RP tread (turf)
- Gentle travel on the ground due to the large contact surface
- For use 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 level of wear resistance
- For asphalt, industry and firm ground conditions

Tires

TIRES

	WL20e	WL20		WL25	WL28	WL32	WL34	WL38	WL44		WL52		WL54	WL60	WL70	WL95 WL110
AXLE	**T80**	**T80**	**T94**	**T94**	**PA940**	**PA940**	**PA1200**	**PA1200**	**PA1400**	**PA1422**	**PA1400**	**PA1422**	**PA1422**	**PA1422**	**PA1422/2**	**PA1900**
							WIDTH OF MACHINE mm									
27x10.50-15 EM ET-5	1,076*	1,076*	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26.0x12.00-12 AS ET0	1,110	1,110	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31x15.50-15 AS ET-50	1,280	1,280	–	–	–	–	–	–	–	–	–	–	–	–	–	–
400/50-15 AS ET-50 Starco	1,280	1,280	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27x8.50-15 EM ET30	960 / 1,090**	960 / 1,090**	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26.0x12.00-12 RP ET0	1,110	1,110	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27x10.50-15 EM ET60	–	–	1,080* / 1,340**	1,080 / 1,320**	–	–	–	–	–	–	–	–	–	–	–	–
10.0/75-15.3 AS ET80	–	–	1,044 / 1,380**	–	–	–	–	–	–	–	–	–	–	–	–	–
31x15.50-15 AS ET0	–	–	1,340	1,340	1,325	–	–	–	–	–	–	–	–	–	–	–
400/50-15 AS ET-50 Starco	–	–	1,320	–	–	–	–	–	–	–	–	–	–	–	–	–
Dual tires 10.0/75-15.3 AS front	–	–	1,650	–	–	–	–	–	–	–	–	–	–	–	–	–
27x8.50-15 EM ET80	–	–	1,000 / 1,340**	–	–	–	–	–	–	–	–	–	–	–	–	–
10-16.5 EM ET40	–	–	1,120 / 1,300**	–	–	–	–	–	–	–	–	–	–	–	–	–
Dual tires 27x8.50-15 EM front	–	–	1,650	–	–	–	–	–	–	–	–	–	–	–	–	–
10.0/75-15.3 ET40 Mitas M159	–	–	1,120 / 1,300**	1,120 / 1,300**	–	–	–	–	–	–	–	–	–	–	–	–
31x15.50-15 RP ET0	–	–	1,340	1,340	–	–	–	–	–	–	–	–	–	–	–	–
10-16.5 EM ET0	–	–	–	1,210*	–	1,200	–	–	–	–	–	–	–	–	–	–
31x15.50-15 AS ET-37	–	–	–	1,410	1,399	1,400	–	–	–	–	–	–	–	–	–	–
31x15.50-15 AS ET-85	–	–	–	–	–	1,490	–	–	–	–	–	–	–	–	–	–
31x15.50-15 EM ET0	–	–	–	1,340	1,345	–	–	–	–	–	–	–	–	–	–	–
31x15.50-15 EM ET-37	–	–	–	1,410	1,419	1,414*	–	–	–	–	–	–	–	–	–	–
10.0/75-15.3 RP ET-5	–	–	–	1,210	–	–	–	–	–	–	–	–	–	–	–	–
10-16.5 Sure Trax ET0 BKT	–	–	–	1,200	–	1,200	–	–	–	–	–	–	–	–	–	–
10-16.5 Sure Trax ET40 BKT	–	–	–	1,120 / 1,300**	1,128/1,300	–	–	–	–	–	–	–	–	–	–	–
12-16.5 Sure Trax ET0 BKT	–	–	–	–	–	1,270	1,530	1,530	–	–	–	–	–	–	–	–
12-16.5 Sure Trax ET45 BKT	–	–	–	–	1,175/1,370	–	1,440	–	–	–	–	–	–	–	–	–
12-16.5 EM ET0	–	–	–	–	1,250*	1,260	1,500	1,500	–	–	–	–	–	–	–	–
12-16.5 EM ET45	–	–	–	–	–	–	1,415 / 1,620**	–	–	–	–	–	–	–	–	–
15.0/55-17 AS ET-40	–	–	–	–	–	1,400	–	–	–	–	–	–	–	–	–	–
425/40-17 ET0 PR14 Delcora GSP+	–	–	–	–	1,370	–	–	–	–	–	–	–	–	–	–	–
425/40-17 ET0 PR22 Delcora GSP+	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
305/70 R16.5 ET0 Multi-use 550	–	–	–	–	1,249	–	–	–	–	–	–	–	–	–	–	–
315/55R16 Conti MPT81 ET-30	–	–	–	–	1,305	–	–	–	–	–	–	–	–	–	–	–
260/70R16.5 Michel.BibSt ET-60	–	–	–	–	1,326	–	–	–	–	–	–	–	–	–	–	–
31x15.5-15 BKT TracMaster ET0	–	–	–	–	1,350	–	–	–	–	–	–	–	–	–	–	–
31x13.50-15 RP ET0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33x15.50-15 RP ET-40	–	–	–	–	–	1,430	–	1,680	–	–	–	–	–	–	–	–
33x15.50-15 RP ET0	–	–	–	–	–	–	1,600	–	–	–	–	–	–	–	–	–
305/70 R 16.5 ET0 Alliance Multi-use 550	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
400/50-15 AS ET-37 Starco Dumper II	–	–	–	–	–	1,400	–	–	–	–	–	–	–	–	–	–
425/55 R 17 AS ET- 40 Alliance 570	–	–	–	–	–	1,450	1,700	1,700	–	–	–	–	–	–	–	–
12.0/75-18 MPT ET-30	–	–	–	–	–	1,300	1,600*	–	–	–	–	–	–	–	–	–
15.0/55-17 AS ET45	–	–	–	–	–	–	1,500 / 1,700**	–	–	–	–	–	–	–	–	–
15.0/55-17 AS ET0	–	–	–	–	–	–	–	1,600	–	–	–	–	–	–	–	–
15.0/55-17 AS ET-40	–	–	–	–	–	–	–	1,660	–	–	–	–	–	–	–	–
425/55 R 17 AS ET45	–	–	–	–	–	–	1,540 / 1,740**	–	1,740 / 1,940**	–	–	–	–	–	–	–
15.5/55 R 18 EM ET0	–	–	–	–	–	–	1,570	1,570*	–	1,780	–	–	–	–	–	–
15.5/55 R 18 EM ET60	–	–	–	–	–	–	1,440 / 1,700**	–	1,690 / 1,900**	–	–	–	–	–	–	–
12.5-18 ET-50	–	–	–	–	–	–	–	–	1,825*	1,847*	–	–	1,847*	–	–	–
12.5/80-18 AS ET75	–	–	–	–	–	–	–	–	1,580 / 1,890**	–	–	–	–	–	–	–
400/70-20 ET0 AS-504	–	–	–	–	–	–	–	–	1,820	1,840	–	1,896	1,840	1,840	1,840	–
500/45-20 AS ET0	–	–	–	–	–	–	–	–	1,900	1,920	1,900	1,922	1,920	1,920	1,920	–
405/70 R 18 EM ET0	–	–	–	–	–	–	–	–	1,820	1,815	1,810*	1,896*	1,815	1,829*	1,829*	–
405/70 R 20 EM ET0	–	–	–	–	–	–	–	–	1,807	1,829	1,807	1,829	1,829	1,829	1,829	–
400/70 R 18 ET-15 Michelin Bibload	–	–	–	–	–	–	–	–	1,852	–	1,852	–	–	–	–	–
400/70 R 20 ET-50 Michelin Bibload	–	–	–	–	–	–	–	–	–	1,944	–	1,944	1,944	1,944	1,944	–
400/70 R 20 ET0 Michelin XMCL	–	–	–	–	–	–	–	–	–	1,810	–	–	1,810	1,810	1,810	–
405/70-20 AS ET-50 BKT AS504	–	–	–	–	–	–	–	–	–	1,900	–	–	1,930	1,930	1,930	–
550/45-22.5 AS ET0	–	–	–	–	–	–	–	–	–	1,990	–	–	1,990	1,990	1,990	–
550/45-22.5 AS ET-50	–	–	–	–	–	–	–	–	–	2,080	–	–	2,080	2,080	2,080	–
12.5-18 MPT ET0	–	–	–	–	–	–	–	–	–	1,750	–	–	–	–	–	–
340/80 R 18 ET0 Alliance Multi-use 550	–	–	–	–	–	–	–	–	–	1,770	–	1,770	1,770	1,770	1,770	–
400/70 R 20 ET0 Alliance Multi-use 550	–	–	–	–	–	–	–	–	–	1,800	–	1,800	1,830	1,830	1,830	–
400/70 R 20 ET-60 Alliance Multi-use 550	–	–	–	–	–	–	–	–	–	1,930	–	1,930	1,950	1,950	1,950	–
405/70-20 AS ET0	–	–	–	–	–	–	–	–	–	–	1,874	–	–	–	–	–
600/40-22.5 AS ET-50	–	–	–	–	–	–	–	–	–	–	–	–	–	2,120	2,120	–
500/70 R24 Michelin Bibload ET40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,390*
540/70 R24 Michelin XMCL ET0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,458
540/70 R24 Michelin Bibload ET0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,463
17.5 R25 Michelin Snowplus ET50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,390

* Standard tires ** Wide machine, rims turned

Standard equipment & options

WHEEL LOADERS

	WL20e	WL20	WL25	WL28	WL32	WL34	WL38	WL44	WL52	WL54	WL60	WL70	WL95	WL110
ENGINE														
Perkins 403J-11 18.4 kW	–	●	–	–	–	–	–	–	–	–	–	–	–	–
Perkins 403J-17T 18.4 kW	–	–	●	–	–	–	–	–	–	–	–	–	–	–
Yanmar 3TNV80FT 18.4 kW	–	–	–	●	–	–	–	–	–	–	–	–	–	–
Yanmar 3TNV86CHT 33.3/40.1 kW DOC/DPF	–	–	–	○	–	–	–	–	–	–	–	–	–	–
404 J-E22T 45 kW DOC/DPF	–	–	–	–	●	–	–	–	–	–	–	–	–	–
Deutz TD 2.9 L4 45 kW S5 DOC/DPF	–	–	–	–	–	●	●	●	–	–	–	–	–	–
Deutz TCD 2.9 L4 55.4 kW S5 DOC/DPF	–	–	–	–	–	○	○	○	●	●	–	–	–	–
Perkins 904J-E36TA 74.4 kW DOC/SCR	–	–	–	–	–	–	–	–	–	–	●	–	–	–
Perkins 904J-E36TA 100 kW DOC/SCR	–	–	–	–	–	–	–	–	–	–	–	●	–	–
Deutz TCD 3.6 S5 100 kW DOC/DPF/SCR	–	–	–	–	–	–	–	–	–	–	–	–	●	–
Deutz TCD 4.1 S5 115 kW DOC/DPF/SCR	–	–	–	–	–	–	–	–	–	–	–	–	○	●
Battery/electric motor drive system	●	–	–	–	–	–	–	–	–	–	–	–	–	–
LIGHTING														
Rotating beacon	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Work lights, 2 in front, 2 in rear (WL20/WL20e: 2 front, 1 rear; WL95: 4 front, 2 rear)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Work lights LED, 2 front, 2 rear (WL20/WL20e: 2 front, 1 rear; WL95: 4 front, 2 rear side, 2 rear)	○	○	○	○	○	○	○	○	○	○	○	○	○	○
ELECTRONICS														
Front plug receptacle, 3-pole	○	○	○	○	–	○	–	○	–	○	–	–	–	–
Front plug receptacle, 7-pole	–	○	–	–	○	–	○	○	○	○	○	○	–	–
Front plug receptacle, 13-pole	–	–	–	–	–	–	–	–	–	–	–	–	○	○
Rear plug receptacle, 7-pole	–	○	○	○	○	–	○	○	○	○	○	○	○	○
Front plug receptacle, with joystick control	–	–	–	–	○	–	○	○	○	○	○	○	○	○
Rear plug receptacle, 3-pole	–	–	–	–	○	○	○	–	○	–	○	○	○	○
FRONT AREA HYDRAULICS														
Depressurized front return flow	○	○	○	○	○	○	○	○	○	○	○	○	○	○
3rd control circuit, front DN10	●	●	●	–	–	–	–	–	–	–	–	–	–	–
3rd control circuit, front DN12	–	–	○	●	●	●	●	●	●	●	●	●	●	●
3rd comfort control circuit	○	○	○	○	–	○	–	○	–	○	–	–	–	–
4th comfort control circuit	○	○	○	○	–	–	–	○	–	○	–	–	–	–
3rd control circuit, electrically proportional	–	–	–	–	●	○	●	○	●	○	●	●	●	●
4th control circuit, parallel/LS	–	–	–	–	●	–	●	○	●	○	●	○	○	○
4th proportional-controlled control circuit	–	–	–	–	○	–	○	○	○	○	○	○	○	○
Work hydraulics of large pump (depending on model, between 58.5 l and 103 l)	–	–	–	○	○	○	○	○	○	○	–	–	–	–
Highflow single action	–	○	–	–	○	–	○	○	○	○	–	–	–	–
Highflow double action 150 l: Load-sensing	–	–	–	–	–	–	–	–	–	–	○	○	○	○
Highflow double action 180 l: Load-sensing	–	–	–	–	–	–	–	–	–	–	–	–	○	○
3rd/4th circuit flow sharing	–	–	–	–	–	–	–	–	–	–	●	●	–	–

WHEEL LOADERS

	WL20e	WL20	WL25	WL28	WL32	WL34	WL38	WL44	WL52	WL54	WL60	WL70	WL95	WL110
REAR AREA HYDRAULICS														
Rear hydraulic connection, single-acting	–	○	○	○	○	○	–	○	–	○	–	–	○	○
Rear hydraulic connection, double-acting	–	○	–	○	○	–	○	–	○	–	○	○	○	○
Rear hydraulic connection, electronic valve	–	–	○	–	–	–	–	–	–	–	–	–	–	–
Unpressurized return in rear	–	–	○	○	○	–	○	○	○	○	○	○	○	○
Rear hydraulic connection, additional, single-acting	–	–	–	–	○	–	○	○	○	○	○	○	○	○
Rear hydraulic connection, additional, dual-acting	–	–	–	○	○	–	○	–	○	–	○	○	○	○
OPERATOR'S STAND														
Operator's stand tiltable	–	●	●	●	●	–	●	–	●	–	●	●	●**	●**
Fold-down operator's canopy (EPS)	○	○	○	○	–	–	–	–	–	–	–	–	–	–
Hydraulically lowerable operator's canopy (EPS Plus)	○	○	–	–	–	–	–	–	–	–	–	–	–	–
Operator's canopy, low	–	–	–	–	–	○	–	○	–	–	–	–	–	–
Operator's canopy, high	●	●	●	●	●	●	–	●	–	●	–	–	–	–
Low cabin	–	–	–	–	–	○	○	–	○	–	–	–	–	–
High cabin	–	○	○	○	○	○	–	○	–	○	–	–	–	–
High cabin comfort	–	–	–	–	–	–	●	–	●	–	●	●	●	●
High cabin comfort, single-door	–	–	–	–	–	–	–	○	–	○	–	–	–	–
OTHER														
Air-conditioning system	–	–	–	○	○	–	○	○	○	○	○	○	●	●
Load arm damping	–	–	○	○	○	○	○	○	○	○	○	○	○	○
Central lubrication system	–	○	○	○	○	○	○	○	○	○	○	○	○	○
Manual throttle	–	–	–	○	○	○	○	○	○	○	○	○	○	○
Hand inching	–	–	○	○	○	○	○	○	○	○	○	○	○	○
Engine preheating 230 V	–	○	○	○	○	○	○	○	○	○	○	○	○	○
Approval as a tractor DE**	–	–	–	○	○	○	○	○	○	○	○	○	○	○
Low front carriage	–	–	○	●	–	–	–	●	●	–	–	–	–	–
Automatic bucket return	–	–	–	–	–	–	–	–	–	–	–	–	○	○
ecospeedPRO drive system	–	–	–	–	–	–	–	–	–	–	–	–	○	○
Electronically regulated drive system with various drive modes	–	–	–	●	–	–	–	–	–	–	–	–	–	–
Reverse fan	–	–	–	–	–	–	–	–	–	–	–	–	●	●
Radio	–	○	○	○	○	○	○	○	○	○	○	○	●	●

● Standard ○ Option – not available

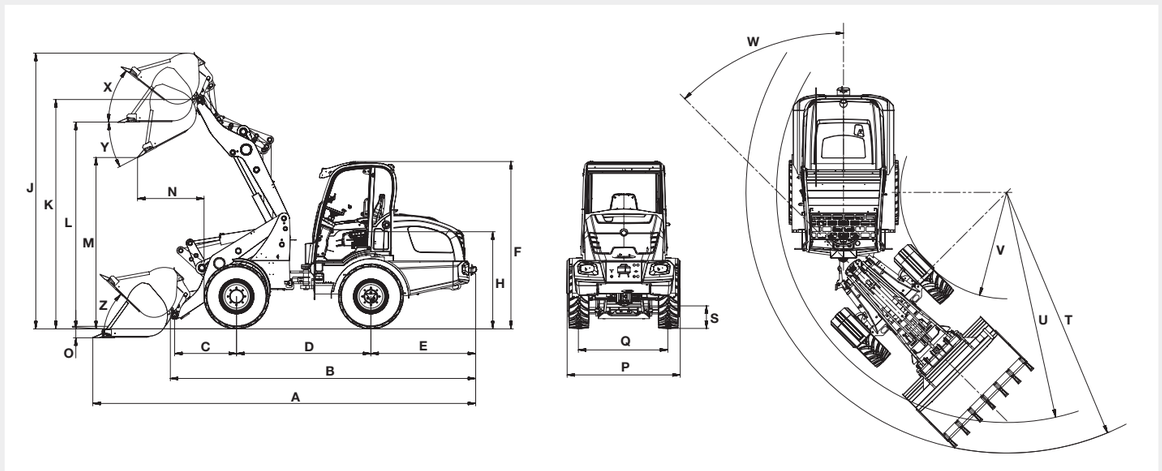
* Please contact Wacker Neuson for other countries.
** Cabin can only be tilted in workshop

Dimensions

WHEEL LOADER

	DIMENSIONS	UNIT	WL20e	WL20	WL25	WL28	WL32	WL34	WL38	WL44	WL52	WL54	WL60	WL70	WL95	WL110
	Standard tires	–	27x10.5-15 EM ET-5	27x10.5-15 EM ET-5	10-16.5 EM ET0	12-16.5 EM ET0	10-16.5 EM ET0	12.0/75-18 MPT ET-30	15/55-18 EM ET0	12.5-18 MPT ET-50	405/70-18EM ET0	12.5-18 MPT ET0	405/70-18 EM ET0	405/70-18 EM ET0 front water filling	500 / 70 R24 Michelin BIBLOAD ET 40	500 / 70 R24 Michelin BIBLOAD ET 40
	Standard bucket		Digging bucket 1,150 mm, 0.2 m^3	Digging bucket 1,150 mm, 0.2 m^3	Digging bucket 1,250 mm, 0.27 m^3	Digging bucket 1,350 mm, 0.42 m^3	Digging bucket 1,400 mm, 0.45 m^3	Digging bucket 1,600 mm, 0.6 m^3	Digging bucket 1,650 mm, 0.6 m^3	Digging bucket 1,900 mm, 0.80 m^3	Digging bucket 2,000 mm, 0.85 m^3	Digging bucket 2,000 mm, 1.0 m^3	Digging bucket 1,900 mm, 1.0 m^3	Digging bucket 2,100 mm, 1.1 m^3	Digging bucket 2,500 mm, 1.55 m^3	Digging bucket 2,500 mm, 1.80 m^3
A	**Overall length**	mm	3,721	3,721	4,087	4,520	4,755	5,010	5,138	5,420	5,420	5,760	5,898	5,898	6,500	6,500
B	**Total length** without bucket	mm	3,063	3,063	3,302	3,710	4,022	4,260	4,281	4,760	4,760	4,828	4,780	4,780	5,610	5,610
C	**Center of axle up to the bucket swivel point**	mm	508	508	532	670	675	675	675	1,040	1,040	991	991	991	1,200	1,200
D	**Wheel base**	mm	1,468	1,468	1,612	1,760	1,952	2,045	2,045	2,110	2,110	2,150	2,150	2,150	2,660	2,660
E	**Rear overhang**	mm	975	975	1,045	1,230	1,290	1,430	1,516	1,530	1,530	1,531	1,676	1,676	1,520	1,520
F	**Height** (min./max.)	mm	1,948–2,361	1,880–2,302*	1,877–2,291*	2,340–2,395	2,336/2,348*	2,220/2,420*	2,371/2,548*	2,332/2,470/2,528*	2,498/2,675*	2,495/2,532*	2,693	2,693	3,060	3,060
H	**Seat height**	mm	1,245	1,225	1,259	1,350	1,354	1,270	1,204	1,470	1,590	1,495	1,609	1,609	1,940	1,940
J	**Total working height**	mm	3,294	3,274	3,582	3,210	3,715	3,930	4,007	3,890	3,930	4,561	4,409	4,536	4,780	4,780
K	**Max. height of the bucket swivel point**	mm	2,713	2,693	2,862	2,560	3,208	3,270	3,251	3,200	3,240	3,671	3,686	3,686	3,820	3,820
L	**Load-over height**	mm	2,444	2,424	2,573	2,240	2,954	2,970	2,892	2,940	2,980	3,335	3,375	3,375	3,550	3,550
M	**Dumping height**	mm	2,031	2,011	2,047	1,700	2,425	2,460	2,379	2,430	2,470	2,864	2,841	2,840	2,860	2,860
N	**Reach with M**	mm	330	350	337	520	252	344	155	665	625	875	799	799	950	950
O	**Scraping depth**	mm	94	94	50	130	50	43	120	136	96	114	74	73.5	136	136
P	**Overall width**	mm	1,076	1,076	1,210	1,250	1,414	1,550	1,570	1,830	1,810	1,750	1,829	1,829	2,390	2,390
Q	**Track width**	mm	810	810	940	940	1,148	1,260	1,200	1,500	1,400	1,432	1,422	1,422	1,820	1,820
S	**Ground clearance**	mm	207	207	250	270	275	320	312	367	370	352	375	375	500	500
T	**Maximum outward radius**	mm	2,681	2,681	2,912	3,200	3,534	3,610	3,652	4,270	4,240	4,242	4,072	4,341	5,370	5,370
U	**Radius on the outer edge**	mm	2,356	2,356	2,590	2,800	3,171	3,350	3,317	3,870	3,850	3,785	3,686	3,686	4,900	4,900
V	**Inside radius**	mm	1,219	1,219	1,330	1,510	1,731	1,680	1,640	1,990	1,910	1,931	1,666	1,666	2,450	2,450
W	**Articulation angle**	Degrees	45	45	45	45	45	45	45	40	40	42	45	45	40	40
X	**Rollback angle at max. lift height**	Degrees	50	50	48	47	49	49	43	71	71	44	33	33	56	56
Y	**Max. angle for bucket emptying**	Degrees	38	38	42	41	44	43	42	45	45	28	33	33	45	45
Z	**Rollback angle on the ground**	Degrees	48	48	46	50	39	43	41	43	43	38	39	39	45	45

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



Technical data

WHEEL LOADER

		WL20e	WL20	WL25	WL28	WL32	WL34	WL38	WL44	WL52	WL54	WL60	WL70	WL95	WL110
ENGINE	**UNIT**														
Manufacturer	**–**	–	Perkins	Perkins	Yanmar	Perkins	Deutz	Deutz	Deutz	Deutz	Deutz	Perkins	Perkins	Deutz	Deutz
Max. engine output (optional)	**kW**	–	18.4	18.4	18.4 (33.3/40.1)	45	45 (55.4)	45 (55.4)	45 (55.4)	55.4	55.4	74.4	100	100 (115)	115
Max. engine output (optional)	**HP**	–	25	25	25 (45.3/54.5)	61.2	61 (75)	61 (75)	61 (75)	75	75	101.2	136	136 (156)	156
at max. rpm (optional)	**rpm**	–	2,800	2,800	2,600	2,600	2,300	2,300	2,300	2,300	2,300	2,200	2,200	2,300	2,300
Displacement (optional)	**cm³**	–	1,131	1,662	1,226 (1,568)	2,216	2,900	2,900	2,900	2,900	2,900	3,621	3,621	3,621 (4,038)	4,038
WEIGHTS	**UNIT**														
Operating weight FSD/cabin	**kg**	2,350	2,000/2,150*	2,380/2,520*	2,800/ 3,300*	3,400	3,900	4,300	4,600	5,100	5,800	5,930	7,140	10,390	11,250
Break out force (according to ISO 14397-2)	**daN**	2,170	1,280	1,989	2,758	4,269	4,427	4,128	5,620	5,620	3,513	4,034	4,032	6,237	6,036
Bucket capacity	**m³**	0.2	0.2	0.35	0.42	0.45	0.6	0.6	0.85	0.85	1.0	1.0	1.1	1.55	1.8
Bucket tipping loads (according to ISO 14397 - EN474-3) Horizontal loading frame – machine straight	**kg**	1,509	1,215/1,437*	1,393/1,958*	1,910/ 2,640*	2,032/2,269*	2,925/3,055*	3,719	3,200/3,327*	3,949	3,270/3,583*	3,674	4,762	6,529	7,739
Bucket tipping load (according to ISO 14397 - EN474-3) Horizontal loading frame – machine pivoted	**kg**	1,251	977/1,206*	1,144/1,703*	1,600/ 2,200*	1,692/1,898*	2,443/2,539*	3,113	2,736/2,845*	3,416	2,761/3,045*	3,031	3,926	5,748	6,674
Pallet fork tipping load (according to ISO 14397 - EN474-3) Horizontal loading frame – machine straight	**kg**	1,112	904/970*	1,096/1,536*	1,550/ 2,140*	1,731/1,908*	2,615/2,716*	3,170	2,478/2,562*	3,055	3,035/3,270*	3,344	4,254	5,371	6,851
Pallet fork tipping load (according to ISO 14397 - EN474-3) Horizontal loading frame – machine pivoted	**kg**	916	719/866*	975/1,339*	1,310/ 1,800*	1,459/1,605*	2,200/2,276*	2,662	2,126/2,204*	2,555	2,599/2,813*	2,791	3,559	4,728	5,946
Operator's stand (optional)	**–**	FSD (EPS Plus, EPS, cabin)	FSD (EPS Plus, EPS, cabin)	FSD (EPS, cabin)	FSD (EPS, cabin)	FSD (cabin)	FSD (cabin)	Cab	FSD (cabin)	Cab	FSD (cabin)	Cab	Cab	Cab	Cab
Travel speed (optional)	**km/h**	0 -15	0–20	0–20	0–20 (30)	0–20 (28)	0–20 (28)	0–20 (28)	0–20 (30)	0–20 (30)	0–20 (30)	0–20 (30/40)	0–20 (30/40)	0–20 (40)	0–20 (40)
Fuel tank capacity	**l**	–	20	45	50	65	55	65	82	82	82	105	105	140	140
Hydraulic oil tank capacity	**l**	18.5	20	27	30	35	65	50	66	66	66	95	95	125	125
HYDRAULIC SYSTEM	**UNIT**														
Drive hydraulics working pressure (optional)	**bar**	–	330 (450)	450	400 (470)	450	450	445	450	450	445	445	445	480	480
Work hydraulics discharge volume (optional)	**l/min**	32	30.8	45	41.6 (49.5–84)	56 (63–100)	57.5 (73.6)	56 (63–116)	58.5 (64–115)	73.6 (83–115)	64	100 (115/150)	100 (115/150)	150 (180)	180
Work hydraulics working pressure	**bar**	225	225	185	210	210	210	210	220	220	210	210	210	250	250
DRIVE SYSTEM	**UNIT**														
Drive type/drive system	**–**	Electrically via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Electronically controlled hydrostatic drive via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft
NOISE CHARACTERISTIC VALUES	**UNIT**														
Average sound power level LwA	**dB (A)**	91.8	98.4	100.1/99.7	99	99.8	99.5	99.3	100.2	100.3	100.5	101	101	100.7	100.7
Guaranteed sound power level LwA	**dB (A)**	92	101	101	101	101	101	101	101	101	101	103	103	102	102
Specified sound pressure level LpA	**dB (A)**	76	84	85/82	84	82	75	78	78	78	75	78	78	70	70

* Values with cab and optional equipment

BATTERY

		WL20e Standard battery	WL20e Optional battery
	UNIT		
Battery voltage	**V**	48	48
Rated capacity	**Ah**	240	310
Battery weight (±5%)	**kg**	450	579
Charging time	**h**	6	8
Running time under hard long-time application with heavy materials handling, uninterrupted operation	**h**	1.5*	2.1*
Running time under normal activities, uninterrupted operation	**h**	2/ 3.5*	2.8/ 4.5*
Running time under normal activities with interruptions (30 min. driving, 30 min. standstill)	**h**	up to 4*	up to 5*
Motor drive system	**kW**	6.5	6.5
Motor work hydraulics	**kW**	9	9

The running times of the battery are strongly 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. An interrupted operation (e.g. 30 min. driving, 30 min. standstill) prolongs the running time of the battery.

The Wacker Neuson product range includes over 300 different product series with different versions. The product data may vary accordingly with the selection of different options. Not all Wacker Neuson products listed or shown here are however available or allowed in all countries. The Wacker Neuson products shown are examples and as such are subject to changes. We are happy to make you a specific offer upon request!

Reproduction only with the written approval of Wacker Neuson.

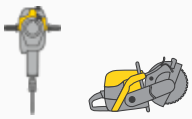
© Wacker Neuson SE

Your everyday work day is full of challenges. We have the right solutions and help you to stay ahead of the competition.
We offer you everything you need for this purpose: **Wacker Neuson—all it takes!**

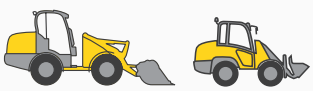
Products

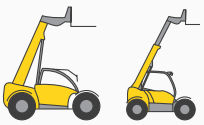
Concrete technology

Compaction


Demolition technology

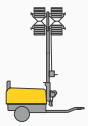
Excavators


Wheel loaders


Telehandlers

Dumpers

Generators


Lighting

Pumps

Used equipment

www.wackerneuson.com

Services

Financial solutions
Uncomplicated, transparent and individual financing options for you.

Repair & maintenance
Excellent and fast maintenance. Repairs with original spare parts.

Academy
We expand your know-how: practice-oriented and within an ideal learning environment.

EquipCare
Everything about the machines at a glance, via app or PC – EquipCare.

Rental
Protect your liquidity and rent top-maintained construction equipment as needed.

Concrete specialists
Our specialists advise you in all project stages.

eStore
Buy original spare parts online conveniently – for all Wacker Neuson product groups.

Spare parts

Every minute counts:
Within the shortest period of time, we deliver over 150,000 genuine Wacker Neuson spare parts to your construction site.

WN.EMEA.10094.V09.EN-US
09/2021 EN

Facebook
wackerneuson

Instagram
@wackerneuson

Youtube
Wacker Neuson

LinkedIn
Wacker Neuson

Tiktok
@wacker.neuson