Wheel loaders





These reasons speak for wheel loaders from Wacker Neuson.

1. Full power – precisely for your requirements.

Optimally balanced efficiency output 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.

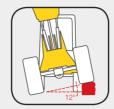
3. Full economic efficiency – and in every respect.

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.

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 wheel grip, even in uneven ground conditions - and the operator maintains optimal control.



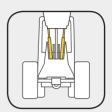
Your wheel loader as an attachment carrier

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



Connectable 100% differential lock

Good traction even on difficult ground surfaces is made possible for you by the connectable 100% differential lock.



Two powerful lift cylinders

For even more stability of the loader unit, 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.



High-quality powder coating

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

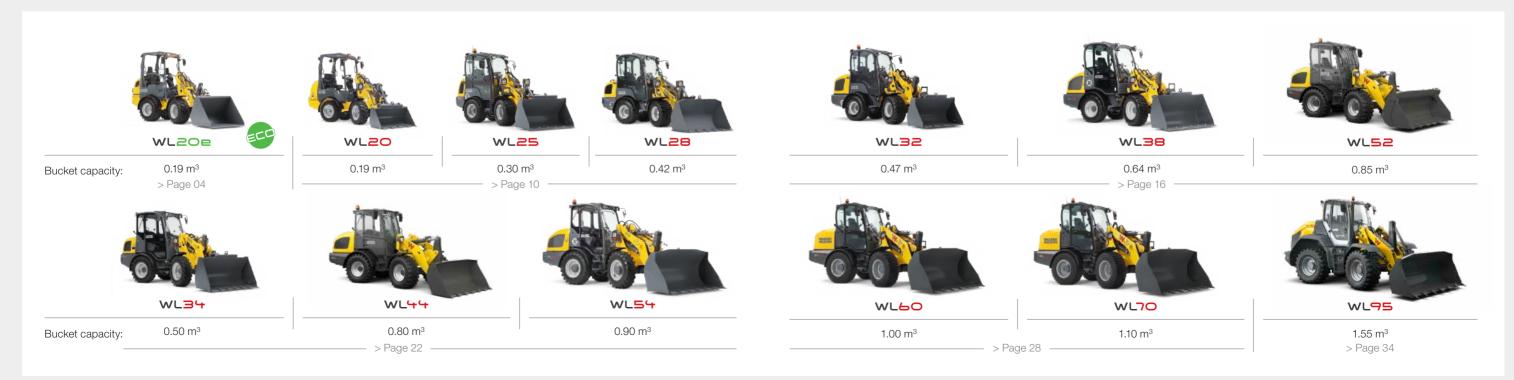


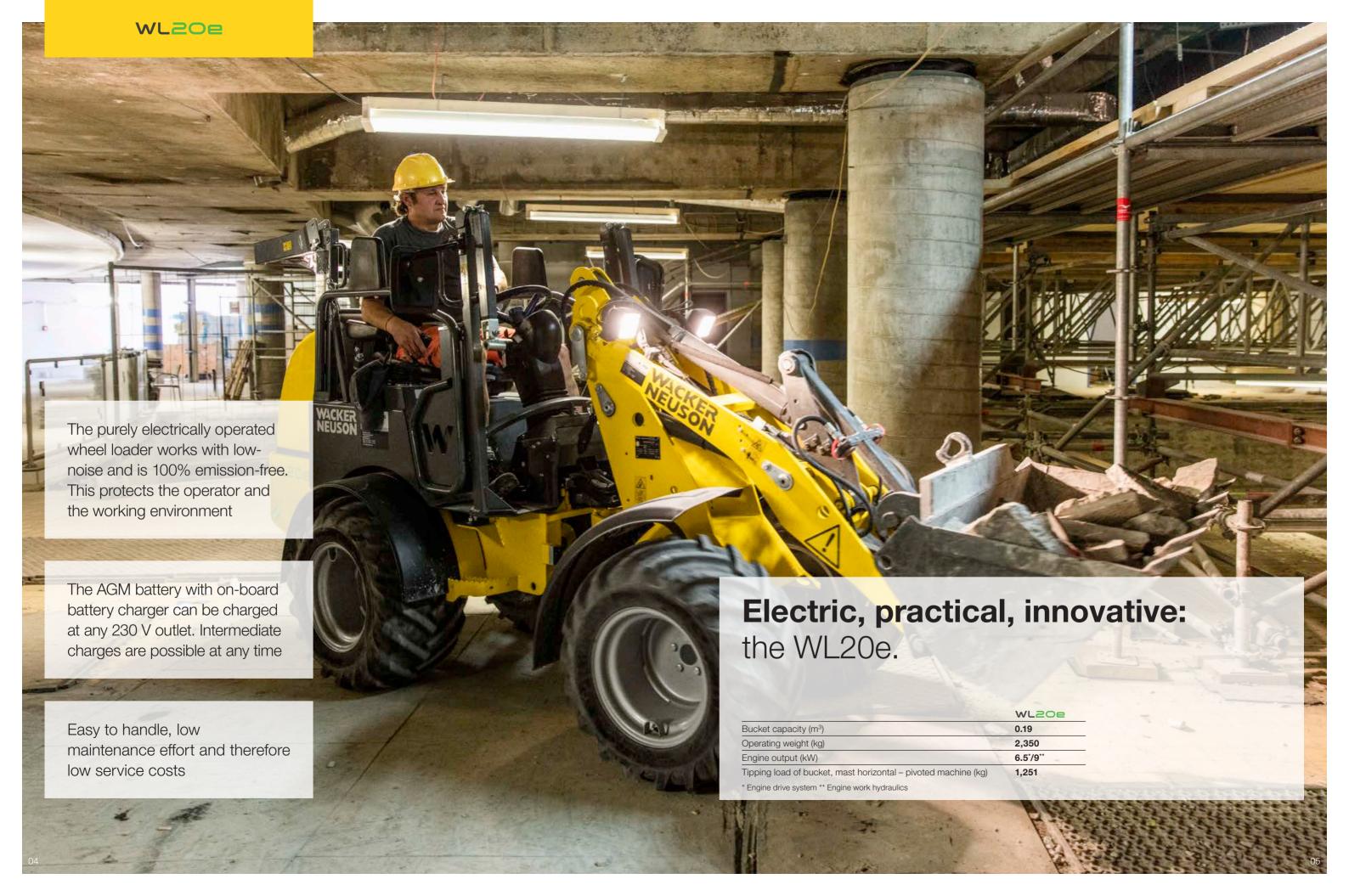
Wacker Neuson distinguishes particularly economical and environment-friendly products with the ECO seal, including the wheel loader WL20e.

More at www.wackerneuson.com/eco



All wheel loaders in an overview.





Reduced service costs

conventional diesel drive

compared to the

The low noise level protects the operator

and the working

environment

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

The performance of the

WL20e corresponds to 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

zero emission wheel loader with maintenance-free battery

WL20e

Frequency inverter: converts direct current of the battery into 3-phase AC for both electric motors

Main relay: relays the electrical connection between the battery and consumers

Battery: provides the necessary energy for both electric motors

On-board battery charger: allows for flexible charging at any 230 V outlet

Control unit: controls the drive system and the work hydraulics

Innovative technology, time-tested and proven in application.

Wacker Neuson is a global innovation leader within the range of electric drives in construction machines. 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 that we continuously develop further. So that you always benefit from the latest technology.





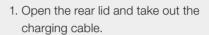
Up to 5 hours of running time are possible – depending on the type of application – with a fully charged battery.

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



Easy charging via any 230 V outlet.







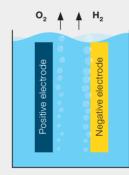
2. Insert into 230 V outlet.



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

Maintenance-free and leak-proof: AGM (Absorbent Glass Mat).

- Closed design: So leakage is not possible. In addition, the battery is maintenance-free and no oxyhydrogen gas is formed
- Low temperature sensitivity (outside temperature)
- On-board battery charger, intermediate charges are possible on the 230 volt outlet out at any time





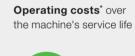


Closed system, lead-acid battery with fleece

Operating costs* for WL20e:

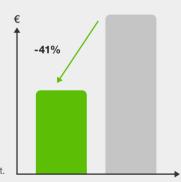
The 25% higher investment costs are amortized with an average machine service life after about 2,800 operating hours.

Everything you need to know about our zero emission products: www.wackerneuson.com/zeroemission





* Taken into consideration are energy and service costs as well as a battery replacement.



Award winning internationally:



Gold in the innovation competition of the demopark+demogolf trade fair 2015 (Eisenach, Germany)



European Rental Award 2016, short list in the category of "Rental Product of the Year" (Stockholm, Sweden)



eCarTec Awards 2015, finalist in the category "Electric Vehicles" (Munich, Germany)



Plantworx Award 2017, Awarded "Highly Recommended" in the category "Environmental Innovation" (Leicester, UK)



Innovation award "Innovation Compact Equipment" DLR Convention 2018 (Bordeaux, France)



Selectable operator's cab: Ideal for heavy loads: Good maneuvering thanks to **Compact dimensions** the small turning radius in width, height and length, operator's canopy, EPS WL28 easily moves a ideal for confined spaces (fold-down operator's pallet of paving stones canopy), EPS Plus (lowerable operator's canopy) or cabin

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

Low front carriage for extra tipping load, stability and an overview of the working area

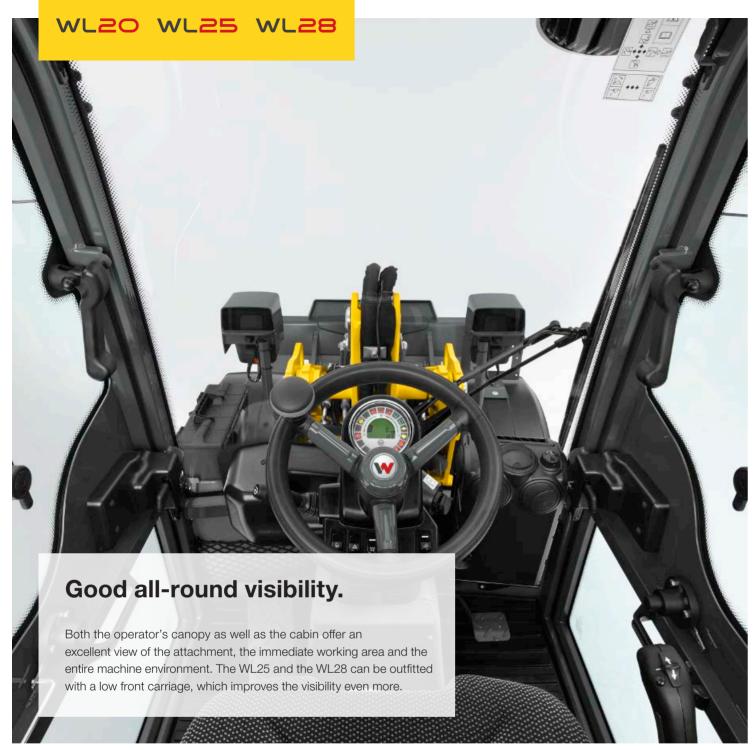
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Powerful hydraulics

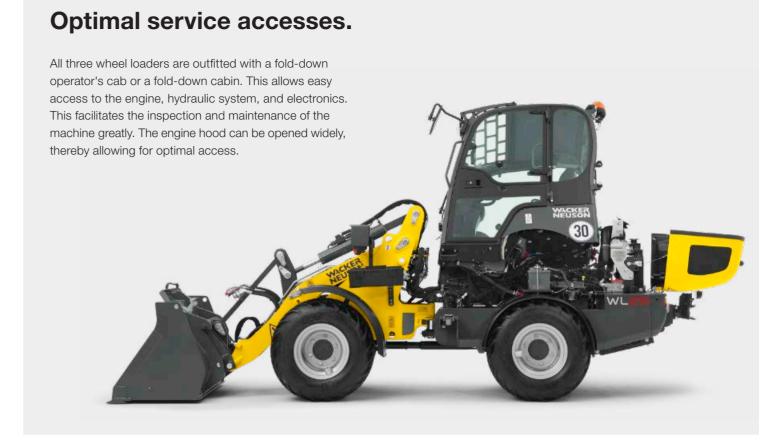
and tailored engine

output for the best

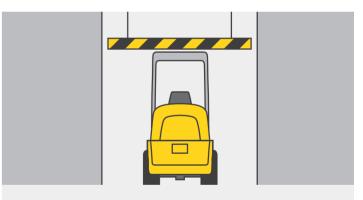
performance











Whether driving into a garage or building entrance: Low passage heights are not an obstacle.







Hydraulic joystick pilot control for fatigue-free working

Large lift height and high ripping forces due to the long load arm design with PZ kinematics (WL32, WL38), WL52 with powerful Z-kinematics and low front carriage for extra tipping load and a clear overview of the working area

Tilt-down operator's cab allows for easy access to the engine, hydraulics and electrics – which saves time and money

Comfortable cabin outfitting

for fatigue-free working and increased productivity

Good all-round visibility

from operator's seat

A variety of hydraulic options

allows for the application of different attachments



A low turning radius

allows for good maneuvering

Ideal for foot paths:

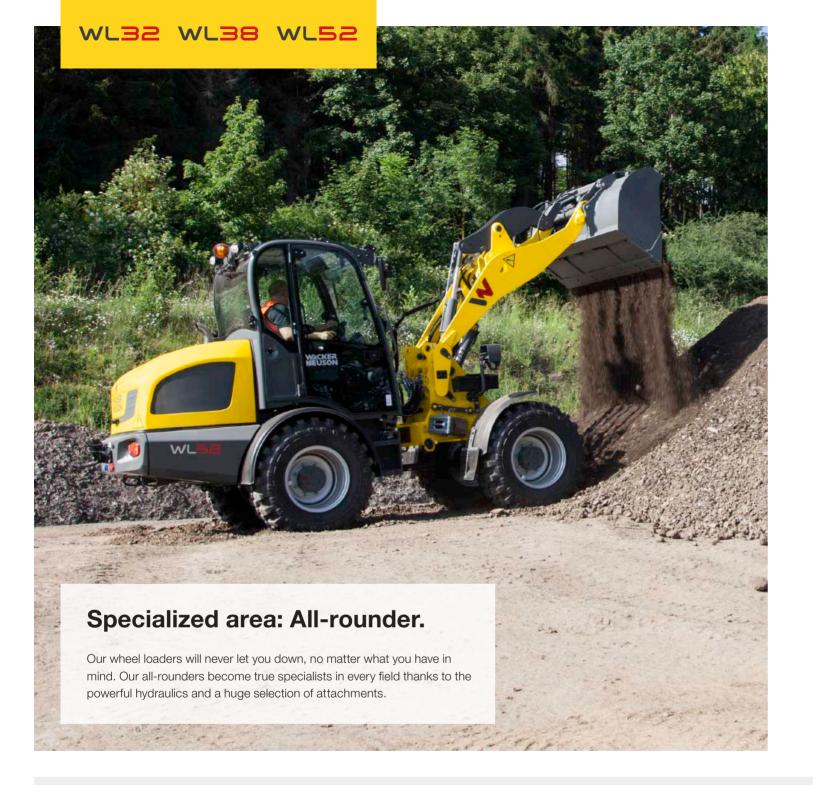
WL32 already available from 1.2 m width



Powerful hydraulic system and

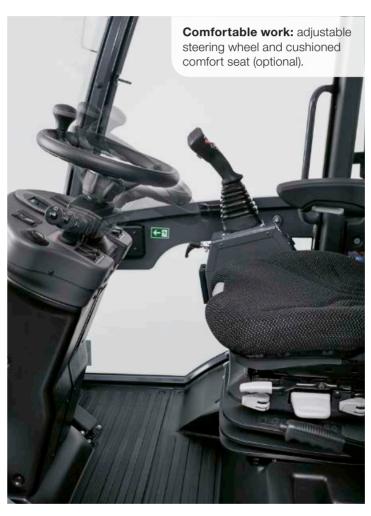
optimally matched engine output

Very high ripping forces due to the large-sized tipping cylinders



Comfortably equipped cabin.

Comfort and a high degree of ergonomics in the cabin allow the operator to work for hours fatigue-free and productively. For example, the spacious cabins are ideally damped against vibrations and the comfort seat is additionally air-cushioned. The steering wheel, seat and operator's controls can be individually adapted to the operator's size. The machine and additional functions are controlled via a joystick of the latest generation. In this way, the operator always has everything in hand.







Inch brake pedal: engine output where it is needed. Engine output where it is needed.



No pressure on the brakeinch pedal: full power for the travel drive system.



Slightly depressed brakeinch pedal: speed is reduced, more power to the work hydraulics.



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

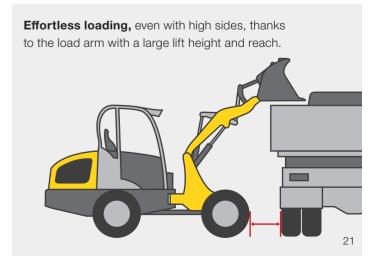


Fully depressed brakeinch pedal: the wheel loader stands still, full power to the work hydraulics.



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.





Selectable operator stations

(varies by model, see p. 47): operator's canopy (low/high), 2-door cabin, 1-door comfort cabin

Operator's canopy (low/high)

also allows for low passages and thus a large range of applications

The optional air-conditioning system

(WL44, WL54) provides for a pleasant working environment, even in extreme temperatures

Large lift height due to the long loader system

Powerful hydraulics

with many options, such as high flow



Large selection of

tires for the most diverse applications

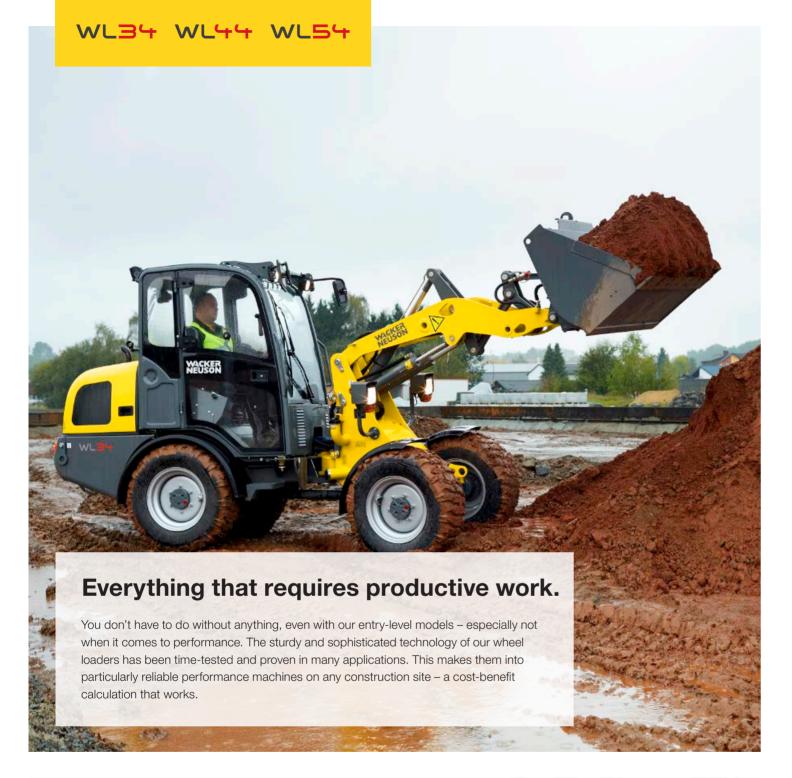
Impressive performance dynamics -

for the WL44, different engine outputs can be selected depending on the application

Numerous attachments

for versatile application

The extremely heavyduty design ensures for the machine's durability



Uncomplicated maintenance.

The removable seat, the wide-opening engine hood as well as various maintenance covers make all service accesses easy to reach. This saves time and money in maintenance.



Two lift cylinders.

For even more stability of the loader 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.



Z-kinematics.

The WL44 and WL54 are outfitted with Z-kinematics. This makes higher break out forces possible in the tipping movement – for powerful working and sufficient power reserves in any situation.



Comfort cabin.

The 1-door comfort cabin is sprung at four points. In this way, impacts are optimally absorbed. From the entry on the left to the fully glazed vent window on the right, the cabin offers an excellent view of the attachment and the entire working area.



Ergonomics.

The seat and armrests can be individually adjusted.

This way even large operators find the optimal operating position so they can work fatigue-free for a longer periods of time.





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

> 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 sensitively working with attachments

Trailer operation with up to 8-ton trailer load

possible with different approvals (attention: observe country provisions)

Quick, favorably priced maintenance due to the tiltable cabin

If desired up to two electric functions of attachments can be controlled via joystick



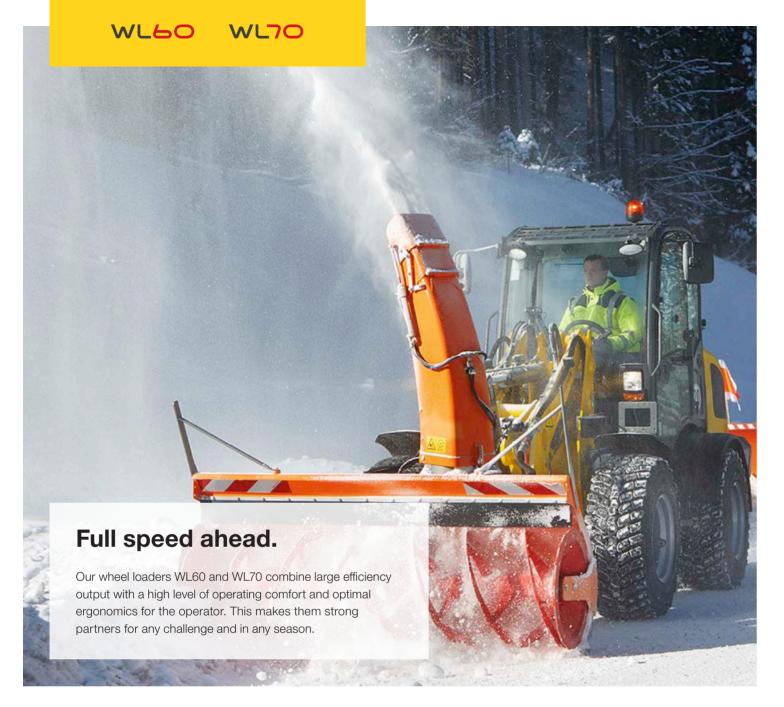
Sturdy load arm design

with the largest lift height in its performance range

Engine selection: the right engine for every application area, meeting the latest exhaust fumes standard

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Automatic speed-dependent lifting arm damping for comfortable road travel



High level of stability – thanks to the optimal weight distribution. Wacker Neuron Marker Neu

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, wideopening doors on both sides. The upper window can fold up completely and be locked. A gap ventilation is also possible.



Comfortable working environment.

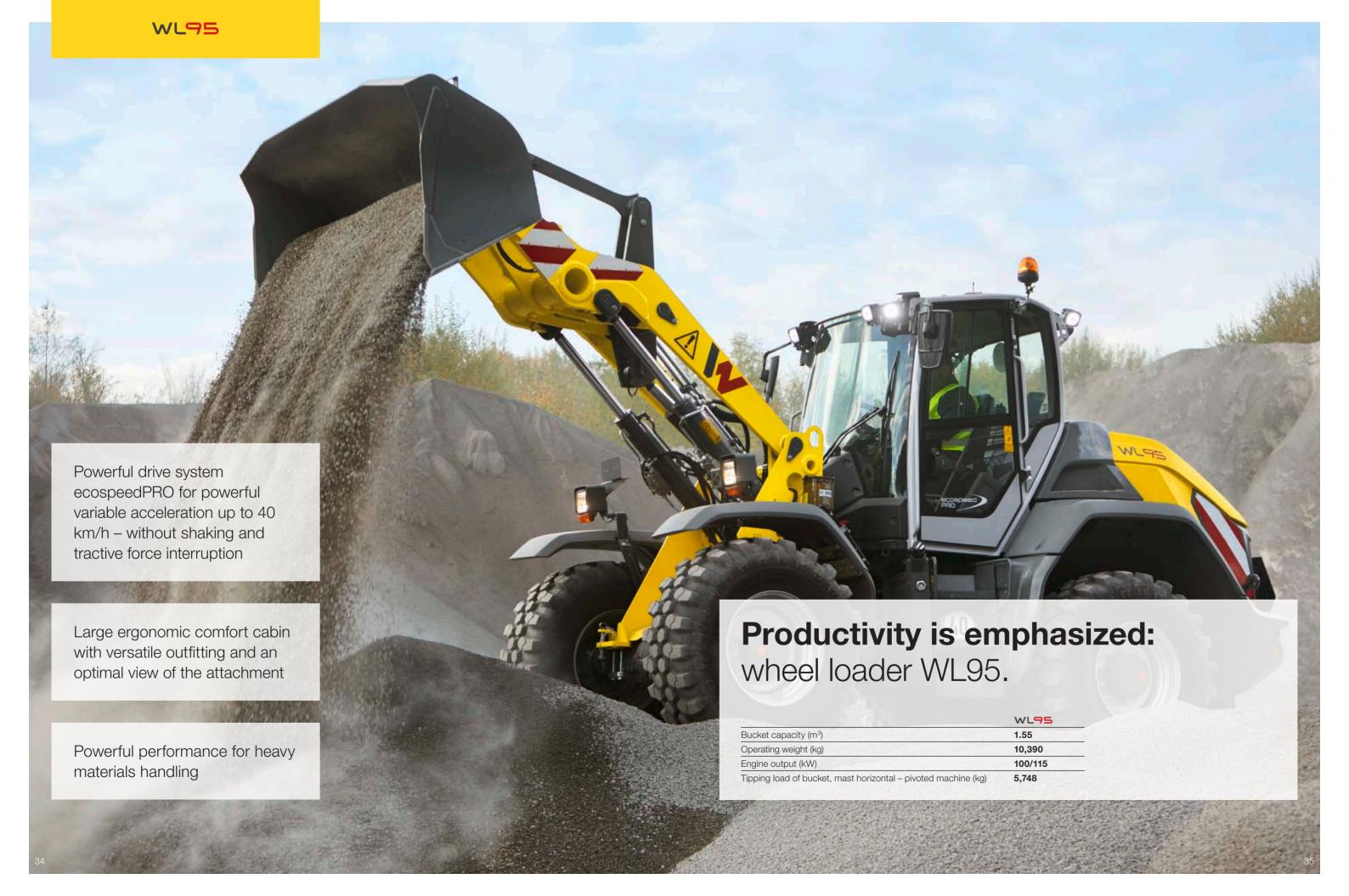
The working environment is excellent, thanks to an efficiently working heating and ventilation system with a fan, fresh air filter and well-placed air nozzles. In warm temperatures, an airconditioning system is recommended.



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.









New powerful transmission.

The ecospeedPRO is a variable hydrostatic transmission, which achieves higher transmissions 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.





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 the operator 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.



Everything in view with the digital 7" display:

In addition to standard displays such as temperature, tank filling, or operating hours, active functions, such as electrical functions, the continuous operation of the 3rd control circuit, or the activated differential lock are displayed in the cab.



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 savingresources.



Optimal service accesses:

The WL95 offers 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.



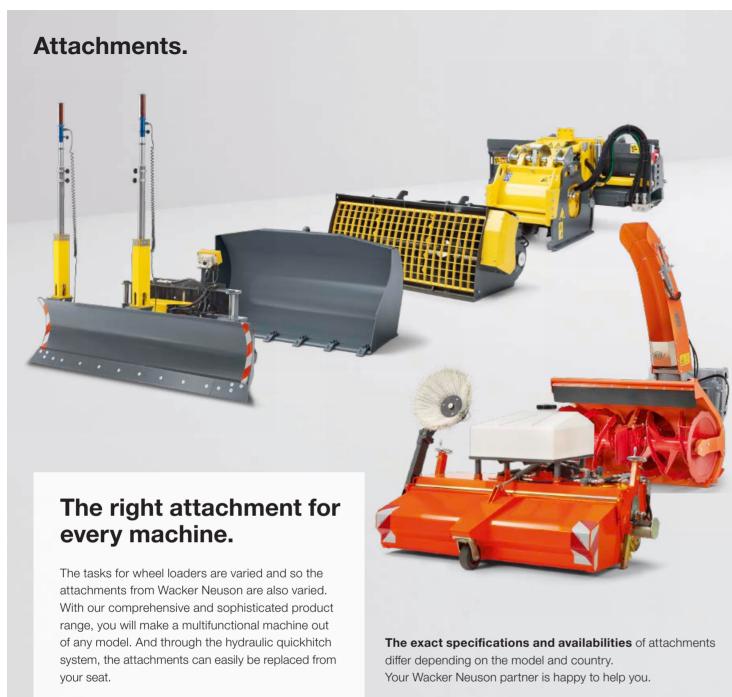
Rear articulated joint and oscillating axle:

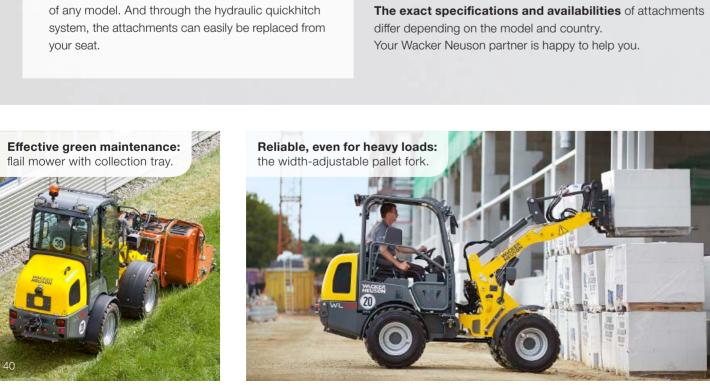
Tight curves, small slopes – every construction site is different. In order to bring the transported material safely to the destination, the WL95 is equipped with an articulated joint and an oscillating axle in the rear. This ensures the optimum maneuverability and traction in any situation. At 40°, 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:

The WL95 has a self-rescue coupling as a standard. In addition, the following coupling possibilities are available: automatic ball hitch, K50 ball hitch (car trailer), K80 ball 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.







Hydraulic equipment change directly from the operator's seat.







For all wheel loaders from Wacker Neuson many receptacles are possible in addition to their own attachment receptacles. So you can use the most varied of attachments. You can find more information at your Wacker Neuson distributor.

Tipping load briefly explained.



The tipping load provides 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 mast, machine straight
- Tipping load of bucket horizontal mast, machine pivoted
- Tipping load with pallet fork horizontal mast, machine straight
- Tipping load with pallet fork horizontal mast, machine pivoted

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



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

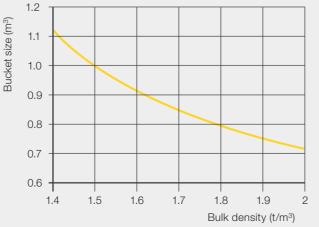
Payload =	Tipping load pivoted
i ayload =	2
Bucket capacity =	Payload (t)
Ducket Capacity =	spec. material weight (t/m³)

Bulk material and bucket selection.

Every bulk material has a different density and thus a different weight with 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
-	1

Bucket selection table



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 (grass)

- Gentle driving on the ground due to the large contact surface
- For use on lawns and green areas

AS tread (tractor)

- Tapered lamellas
- For greasy 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

- Large contact area
- High lift capacity
- Ideal for firm and other hard surfaces
- For asphalt, paving stones, hard and firm ground

Bibload

- 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

_	WL20e	WI	.20	WL25	WL28	WL32	WL 3 4	WL38	\w/I	լ ւրւր	\w/I	.52	WL 5 4	WL 60	WL70	WL95
AXLE	T80	T80	T94	T94	PA940	PA940	PA1200	PA1200	PA1400	PA1422	PA1400	PA1422	PA1422	PA1422	PA1422/2	PA1900
						WID	TH 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 27x10.50-15 EM ET60	1,110	1,110	1,080°/1,340**	1,080/1,320**	_	_	-	-	-	_	_	_	-	-	_	-
10.0/75-15.3 AS ET80	_	_	1,044/1,380**	1,000/1,320	_	_	_	_	_	_	_	_	_	_	_	_
31x15.50-15 AS ET0	-	_	1,340	1,340	1,320	_	-	-	-	-	-	-	_	-	-	-
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**	1,120/1,300**	-	-	-	-	-	-	-	-	-	-	-
31x15.50-15 RP ET0	-	-	1,340	1,340	1,345	1000	-	-	-	-	-	-	-	-	-	-
10-16.5 EM ET0 31x15.50-15 AS ET-37	-	_	_	1,210* 1,410	1,400	1,200 1,400	-	-	-	-	-	_	-	-	-	-
31x15.50-15 AS ET-85	-	_	_	1,410	1,400	1,490	_	-	_	_	_	_	_	_	_	_
31x15.50-15 EM ET0	-	_	_	1,340	1,320	-	_	-	_	_	_	_	_	_	_	_
31x15.50-15 EM ET-37	-	-	-	1,410	1,400	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**	-	-	-	-	-	-	-	-	-	-	-	-
12-16.5 Sure Trax ET0 BKT	-	-	-	-	-	1,270	1,530	1,530	-	-	-	-	-	-	-	-
12-16.5 Sure Trax ET45 BKT	-	-	-	-	1,180/1,370**	-	1,440	-	-	-	-	-	-	-	-	-
12-16.5 EM ETO	-	-	-	-	1,245* -	1,260	1,500	1,500	-	-	-	_	-	-	-	-
12-16.5 EM ET45 15.0/55-17 AS ET-40	-	-		_ _	1,400	1,400	1,415/1,620**	-	-	-	-		-	-	-	-
425/40-17 ET0 PR14 Delcora GSP+	_	_	_	_	1,365	-	_	_	_	_	_	_	_	_	_	_
425/40-17 ET0 PR22 Delcora GSP+	_	_	_	_	1,365	_	_	_	_	_	_	_	_	_	_	_
31x13.50-15 RP ET0	-	-	-	-	1,260	-	-	-	-	-	-	-	-	-	-	-
33x15.50-15 RP ET-40	-	-	-	-	1,430	1,430	-	1,680	-	-	-	-	-	-	-	-
33x15.50-15 RP ET0	-	-	-	-	-	-	1,600	-	-	-	-	-	-	-	-	-
305/70 R 16.5 ET0 Alliance Multi-use 550	-	-	-	-	1,244	-	-	-	-	-	-	-	-	-	-	-
400/50-15 AS ET-37 Starco Dumper II	-	-	-	-	-	1,400	-	-	-	-	-	-	-	-	-	-
425/55 R 17 AS ET- 40 Alliance 570 12.0/75-18 MPT ET-30	-	-	-	-	-	1,450 1,300	1,700 1,600*	1,700	-	-	-	_	-	-	-	-
15.0/55-17 AS ET45	-	_	_	_	-	1,300	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 400/70-20 ET0 AS-504	-	-	_	_	-	-	-	-	1,580/1,890**	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 ETO	-	_	-	-	-	-	-	-	-	1,990	-	_	1,990	1,990	1,990	-
550/45-22.5 AS ET-50 12.5-18 MPT ET0	- -	-	<u> </u>	<u> </u>	-	-	-	- -	-	2,080 1,750	-	_ _	2,080	2,080	2,080	-
340/80 R 18 ET0 Alliance Multi-use 550		_	_	_	_	_	_		-	1,770	_	1,770	1,770	1,770	1,770	_
400/70 R 20 ETO 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 164 A8/B Bibload	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,390*
500/70 R24 164 A8/B XMCL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,390
540/70 R24 Michelin XMCL ET0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,458
540/70 R24 Michelin Bibload ET0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,463
455/70 R24 Dunlop SP T9 ET45 17.5 R25 Michelin X-Mine D2 ET50	-	-	_	_	-	-	-	-	-	-	-	_ _	-	-	-	2,390 2,390
600/55-26.5 Alliance 331 ET0	- -	-	_	_	-	-	-	-	-	-	-	_	-	-	-	2,390
17.5 R25 Michelin X Snoplus ET50	-	-	-	_	-	-	-	-	-	-	-	_	-	-	-	2,390
700/50-26.5 Alliance 331 ET-50	_	-	_	_	-	-	-	-	-	_	-	_	-	-	_	2,696
		1	1	1	1		1		1	1	1	1	1	1	I .	/***

44 * Standard tires ** Width of machine rims, turned

Standard equipment & options

	WL20e	WL20	WL25	WL28	WL32	WL 3 4	WL38	WL <mark>44</mark>	WL 52	WL54	WL 60	WL70	WL 95
ENGINE													
Perkins 403J-11 18.4 kW	_	•	-	_	-	-	-	-	_	_	-	-	-
Perkins 403D-15 23.4 kW	_	0	_	-	-	-	-	_	_	_	-	_	_
Perkins 403J-17T 18.4 kW	_	_	•	_	-	_	-	-	_	_	-	_	-
Perkins 404D-22 35.7 kW	_	_	-	•	-	•	-	•	-	_	-	-	-
Perkins 404D-22 36.3 kW	-	-	-	-	•	-	•	-	_	_	-	-	-
Perkins 404F-22T 44.7 kW	-	-	-	-	0	-	-	-	-	-	-	-	-
Deutz TCD 2.9 L4 55.4 kW S5 DOC/DPF	-	-	-	-	-	-	0	0	•	•	-	-	-
Perkins 854F-E34TA 75 kW DOC/SCR	-	-	-	-	-	-	-	-	-	-	•	-	-
Perkins 854F-E34TA 90 kW DOC/SCR	-	-	-	-	-	-	-	-	_	_	0	•	-
Deutz TCD 3.6 L4 100 kW DOC/SCR	-	-	-	-	-	-	-	-	-	-	-	-	•
Deutz TCD 3.6 L4 100 kW DOC/DPF/ SCR	-	-	-	-	-	-	-	-	-	-	-	-	0
Deutz TCD 4.1 L4 115 kW DOC/DPF/SCR	-	-	-	-	-	-	-	-	-	-	-	-	0
Battery/electric motor drive system	•	-	-	-	-	-	-	-	-	-	-	-	-
LIGHTING													
Rotating beacon	0	0	0	0	0	0	0	0	0	0	0	0	0
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)	0	0	0	0	0	0	0	0	0	0	0	0	0
ELECTRONICS													
Front outlet, triple-pole	0	0	0	0	-	0	-	0	_	0	-	-	-
Front outlet, 7-pole Front outlet, 13-pole	-	0	-	-	0	-	0	0	0	0	0	0	-
Front outlet, 13-pole	_	-	-	-	-	-	-	-	_	_	-	-	0
Rear outlet, 7-pole	-	0	0	0	0	-	0	0	0	0	0	0	0
Front outlet, with joystick control	_	-	_	_	0	-	0	0	0	0	0	0	0
Rear outlet, triple-pole	_	-	-	-	0	0	0	-	0	_	0	0	0
FRONT AREA HYDRAULICS													
Depressurized front return flow	0	0	0	0	0	0	0	0	0	0	0	0	0
3. control circuit, front DN10	•	•	•	-	-	-	-	-	-	_	-	-	-
3. control circuit, front DN12	-	-	0	•	•	•	•	•	•	•	•	•	•
3. comfort control circuit	0	0	0	0	-	0	-	0	_	0	-	-	-
4. comfort control circuit	0	0	0	0	-	-	-	0	_	0	-	-	-
3. control circuit, electrically proportional	-	-	-	-	•	0	•	0	•	0	•	•	•
4. control circuit, parallel/LS	_	-	-	_	•	-	•	0	•	0	•	0	0
4. proportional-controlled control circuit	-	-	-	-	0	-	0	0	0	0	0	0	0
Work hydraulics of large pump (depending on model, between 58.5 I and 103 I)	-	-	-	0	0	0	0	0	0	0	-	-	-
High flow single action	-	0	-	-	0	-	0	0	0	0	-	-	-
High flow double action 150 l: Load-sensing	_	-	-	-	-	-	-	-	_	_	0	0	0
High flow double action 180 l: Load-sensing	-	-	-	-	-	-	-	-	-	-	-	-	0
3./4. circuit flow sharing	-	-	-	-	-	-	-	-	-	-	•	•	-

		WL20e	WL20	WL25	WL28	WL32	WL 3 4	WL38	WL 44	WL52	WL 5 4	WL 60	WL70	WL 95
	REAR AREA HYDRAULICS													
	Hydraulic connection, rear, single-acting	_	0	0	0	0	0	-	0	-	0	_	-	0
	Rear hydraulic connection, double-acting	-	0	-	0	0	-	0	-	0	-	0	0	0
	Rear hydraulic connection, electrical valve	-	-	0	-	-	-	-	-	-	-	_	-	-
	Unpressurized overflow in rear	-	-	0	0	0	-	0	0	0	0	0	0	0
	Rear hydraulic connection, additional, single-acting	-	-	-	-	0	-	0	0	0	0	0	0	0
	Rear hydraulic connection, additional, dual-acting	-	-	-	0	0	-	0	-	0	-	0	0	0
	DRIVER'S CABIN													
	Fold-down operator's canopy (EPS)	0	0	0	0	-	-	-	-	-	-	_	-	-
LOADERS	Hydraulically lowerable operator's canopy (EPS Plus)	0	0	-	-	-	-	-	-	-	-	-	-	-
	Operator's canopy, low	-	-	-	-	-	0	-	0	-	-	-	-	-
WHEEL	Operator's canopy, high	•	•	•	•	•	•	-	•	-	•	-	-	-
Ħ	Low cabin	-	-	-	-	-	0	0	-	0	-	_	-	-
>	High cabin	-	0	0	0	0	0	-	0	-	0	-	-	-
	High cabin comfort	-	-	-	-	-	-	•	-	•	-	•	•	•
	High cabin comfort, single-door	-	-	-	-	-	-	-	0	-	0	_	-	-
	OTHER													
	Air-conditioning system	-	-	-	-	0	-	0	0	0	0	0	0	•
	Lifting arm damping	-	-	0	0	0	0	0	0	0	0	0	0	0
	Central lubrication system	-	0	0	0	0	0	0	0	0	0	0	0	0
	Manual throttle *	-	-	-	-	0	-	0	0	0	0	0	0	0
	Hand inching	-	-	0	0	0	-	0	0	0	0	0	0	0
	Engine preheating 230 V	-	0	0	0	0	0	0	0	0	0	0	0	0
	Approval as a towing vehicle DE**	-	-	-	0	0	0	0	0	0	0	0	0	0
	Low front carriage	-	-	0	•	-	-	-	•	•	-	-	-	-
	Automatic bucket return	-	-	-	-	-	-	-	-	-	-	-	-	0
	ecospeedPRO drive	-	-	-	-	-	-	-	-	-	-	-	-	0
	Reverse fan	-	-	-	-	-	-	-	-	-	-	-	-	•
	Radio	-	0	0	0	0	0	0	0	0	0	0	0	•

[●] Standard ○ Option - Not available

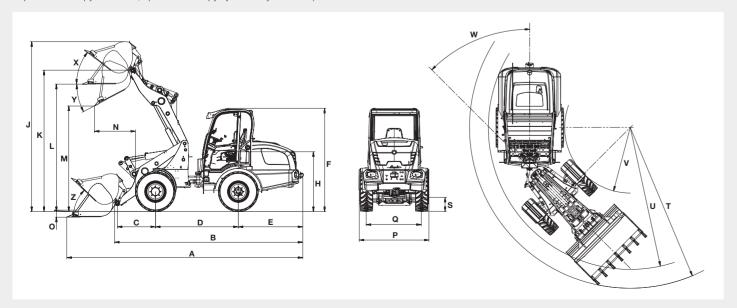
^{*} Not available with TCD2.9DPF engine.

^{**} Please contact Wacker Neuson for other countries.

Dimensions

				WL20e	WL <mark>20</mark>	WL 25	WL 28	WL32	WL 3 4	WL38	WL YY	WL52	WL54	WL 60	WL70	WL95
		DIMENSIONS	UNIT													
	Standa	ard tires	-	27×10.5-15 EM ET-5	27 x 10.5-15 EM ET-5	10-16.5 EM ET0	10-16.5 EM ETO	10-16.5 EM ETO	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 ETO	405/70-18 EM ETO front water filling	500/70 R24 164 A8/B Bibload
	Standa	ard 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 1,400 mm, 0.45 m ³	Digging bucket 1,400 mm, 0.45 m ³	Digging bucket 1,650 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
	A O	verall length	mm	3,721	3,721	4,087	4,559	4,755	4,960	5,138	5,420	5,420	5,760	5,898	5,898	6,500
	В То	otal length without bucket	mm	3,063	3,063	3,302	3,730	4,022	4,126	4,281	4,760	4,760	4,828	4,780	4,780	5,610
		enter of axle up the bucket pivot point	mm	508	508	532	670	675	701	675	1,040	1,040	991	991	991	1,200
	D W	heel base	mm	1,468	1,468	1,612	1,764	1,952	2,020	2,045	2,110	2,110	2,150	2,150	2,150	2,660
	E R	ear overhang	mm	975	975	1,045	1,182	1,290	1,296	1,516	1,530	1,530	1,531	1,676	1,676	1,520
	F H	eight (min./max.)	mm	1,948-2,361	1,880-2,302*	1,877-2,291*	1,870-2,387	2,336/2,348*	2,248/2,335*	2,371/2,548*	2,332/2,470/2,528*	2,498/2,675*	2,495/2,532*	2,693	2,693	3,060
œ.	H Se	eat height	mm	1,245	1,225	1,259	1,255	1,354	1,169	1,204	1,470	1,590	1,495	1,609	1,609	1,940
DE	J To	otal working height	mm	3,294	3,274	3,582	3,212	3,715	3,901	4,007	3,890	3,930	4,561	4,409	4,536	4,780
LOA	R I	ax. height of the ucket pivot point	mm	2,713	2,693	2,862	2,560	3,208	3,222	3,251	3,200	3,240	3,671	3,686	3,686	3,820
4	L Lo	oad-over height	mm	2,444	2,424	2,573	2,241	2,954	2,984	2,892	2,940	2,980	3,335	3,375	3,375	3,550
Ħ	M D	umping height	mm	2,031	2,011	2,047	1,700	2,425	2,444	2,379	2,430	2,470	2,864	2,841	2,840	2,860
>	N R	each with M	mm	330	350	337	519	252	344	155	665	625	875	799	799	950
	o s	craping depth	mm	94	94	50	132	50	33	120	136	96	114	74	73.5	136
	P O	verall width	mm	1,076	1,076	1,210	1,245	1,414	1,570 (1,415)	1,570	1,830	1,810	1,750	1,829	1,829	2,390
	Q Tr	ack width	mm	810	810	940	940	1,148	1,260 (1,125)	1,200	1,500	1,400	1,432	1,422	1,422	1,820
	S G	round clearance	mm	207	207	250	271	275	294	312	367	370	352	375	375	500
	ТМ	aximum radius outside	mm	2,681	2,681	2,912	3,215	3,534	3,510	3,652	4,270	4,240	4,242	4,072	4,341	5,370
	U R	adius on the outer edge	mm	2,356	2,356	2,590	2,845	3,171	3,219	3,317	3,870	3,850	3,785	3,686	3,686	4,900
	V In	side radius	mm	1,219	1,219	1,330	1,554	1,731	1,745	1,640	1,990	1,910	1,931	1,666	1,666	2,450
'	W A	rticulation angle	Degrees	45	45	45	44	45	45	45	40	40	42	45	45	40
		ollback angle at max. lift eight	Degrees	50	50	48	47	49	54	43	71	71	44	33	33	56
	Y	ax. angle for bucket nptying	Degrees	38	38	42	41	44	40	42	45	45	28	33	33	45
	Z R	ollback angle on the ground	Degrees	48	48	46	50	39	48	41	43	43	38	39	39	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

			WL20e	WL20	WL25	WL 28	WL32	WL <mark>3</mark> 4	WL38	WL '+'+	WL 52	WL <mark>54</mark>	WL60	WL70	WL95
	ENGINE	UNIT													
	Manufacturer	-	_	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins (Deutz)	Perkins (Deutz)	Deutz	Deutz	Perkins	Perkins	Deutz
	Max. engine output (optional)	kW	-	18.4 (23.4)	18.4	35.7	36.3 (44.7)	35.7	36.3 (55.4)	35.7 (55.4)	55.4	55.4	75 (90)	90	100 (115)
	Max. engine output (optional)	HP	_	25 (32)	25	49	50 (60)	49	50 (75)	50 (75)	75	75	102 (122)	122	136 (156)
	At max. rpm (optional)	rpm	-	2,800 (2,600)	2,800	2,600	2,800	2,600	2,800 (2,300)	2,600 (2,300)	2,300	2,300	2,200	2,200	2,300
	Displacement (optional)	cm ³	-	1,131 (1,496)	1,662	2,216	2,216	2,216	2,216 (2,900)	2,216 (2,900)	2,900	2,900	3,400	3,400	3,621 (4,038)
	WEIGHTS	UNIT													
	Operating weight FSD/cabin	kg	2,350	2,000/2,150*	2,380/2,520 [*]	3,050/3,120*	3,400	3,440	4,200/4,300**	4,600	5,100	5,800	5,930	7,140	10,390
	Breakaway 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
	Bucket capacity	in 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
	Bucket tipping loads according to ISO 14397 - EN474-3) Horizontal loader unit – Machine straight	kg	1,509	1,215/1,437 [*]	1,393/1,958*	1,985/2,388*	2,032/2,269*	2,475/2,685*	2,983/3,719**	3,200/3,327*	3,949	3,270/3,583*	3,674	4,762	6,529
œ	Bucket tipping load according to ISO 14397 - EN474-3) Horizontal loader unit – Machine pivoted	kg	1,251	977/1,206*	1,144/1,703*	1,669/2,011*	1,692/1,898*	2,076/2,254*	2,494/3,113**	2,736/2,845*	3,416	2,761/3,045*	3,031	3,926	5,748
Ò	Pallet fork tipping load according to ISO 14397 - EN474-3) Horizontal loader unit—Machine straight	kg	1,112	904/970*	1,096/1,536*	1,656/1,981*	1,731/1,908*	2,067/2,241*	2,570/3,170**	2,478/2,562°	3,055	3,035/3,270*	3,344	4,254	5,371
ш	Pallet fork tipping load according to ISO 14397 - EN474-3) Horizontal loader unit—Machine pivoted	kg	916	719/866*	975/1,339°	1,392/1,677*	1,459/1,605 [*]	1,725/1,880°	2,173/2,662**	2,126/2,204*	2,555	2,599/2,813 [*]	2,791	3,559	4,728
3	Operator's cab (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
	Travel speed (optional)	km/h	0-15	0-20 (30)	0-20 (30)	0-20 (28)	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)
	Fuel tank capacity	I	-	20	45	50	65	55	65	82	82	82	105	105	140
	Hydraulic oil tank capacity	I	18.5	20	27	30	35	65	50	66	66	66	95	95	125
	HYDRAULIC SYSTEM	UNIT													
	Drive hydraulics working pressure (optional)	bar	-	330 (450)	450	450	450	450	445	450	450	445	445	445	480
	Work hydraulics discharge volume (optional)	l/min	32	30.8 (36.4)	45	49.4	56 (63-100)	49	56 (63-116)	58.5 (64-115)	73.6 (83 – 115)	64	100 (115/150)	100 (115/150)	150 (180)
	Work hydraulics working pressure	bar	225	225	185	220	210	210	210	220	220	210	210	210	250
	DRIVE SYSTEM	UNIT	Floatrically via	Hydrostatio via	Hydrostotic vic	Hudrostatio via	Hydrostatio via	Hydrostatio via	Hudrostatio via	Hydrostatia via	Hydrostatio via	Hydrostatio via	Hydrostatio via	Hydrostatia via	Hydrostatiovia
ı.	Drive type/drive system	-	Electrically 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	99.9	99.8	99.5	99.3	100.2	100.3	100.5	101	101	100.7
	Guaranteed sound power level LwA	dB (A)	92	101	101	101	101	101	101	101	101	101	103	103	102
	Specified sound pressure level LpA	dB (A)	76	84	85/82	82	82	75	78	78	78	75	78	78	70

^{*} Values with cabin and optional outfitting ** Values with optional Deutz engine

		WL20e	WL20e
		Standard battery	Optional battery
	UNIT		
Battery voltage	V	48	48
Rated capacitance	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*
Engine drive system	kW	6.5	6.5
Engine work hydraulics	kW	9	9

^{*} The running times of the battery are strongly dependent on the respective application conditions, the job and the driving style. This may also mean that a longer running time can be achieved. The specified running times may also be underrun of in extreme cases. An interrupted operation (e.g. 30 min. driving, 30 min. standstill) prolongs the running time of the battery.

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