



Track excavators
1.7 - 2.4 t operating weight









The evolution of your working world.

The new compact excavator generation.

www.wackerneuson.com



Every age has its specific needs. Now is the prime time for a new generation.

Maximum connection possibilities with up to 4 auxiliary control circuits: as you simply want to be equipped for every job.

Boom system optimised per model with various dipper stick lengths: because individual solutions provide the best results.

Various tool attachments: because flexibility simply lets you work more efficiently.

EASY LOCK - quick-hitch system: because 30 seconds to change the tool attachment speaks for itself.

Innovative, newly designed cab: because people and their needs are the true benchmarks.

Powerful engine and minimal servicing effort: because there are some things you just haven't got time to worry about.

Vertical Digging System (VDS): because it saves you up to 25 % time and effort on the job.

Versatile, stable undercarriage: because no job should throw you off track.

If you have to work hard, what you want is simply the best. This is why our excavators are configured for power and efficiency.

The everyday routine on a building site can sometimes be hard and unpredictable: all the more important, therefore, to be able to rely completely on your work equipment. Power, efficiency and high visibility are the core values of the ET-Series from Wacker Neuson. The big diesel engines and new, innovative hydraulic system set new standards of operation. You can get the best out of your job without ever feeling the strain.

Greater safety and efficiency. This is guaranteed thanks to the mechanical parking brake of the rotary drive, fitted as standard, and the load-bearing valve of the boom cylinder. The diesel engines, needless to say, comply with the latest exhaust emission standards, and the optional auto idling system reduces the machine's fuel consumption and noise level.

Drive unit Cooling system Fuel tank Oil tank Hydraulic valves



- 1 Cooler, longer-enduring and more robust. The ET-Series comes equipped with a unique cooling concept, guaranteeing extremely high thermal resistance thanks to a newly-developed cooling-air circulation system. This lets you work under full load and at an ambient temperature of up to 45 °C. A generally lower temperature level in the hydraulic system as a whole ensures longer service life for components.
- 2 Never was servicing so easy. Optimally located filters, easy to remove covers and the wide-opening engine hatch tell their own tale. Everything is within easy reach for effective servicing, since the old adage is as applicable on the building site as anywhere else: time is money.
- 3 Hard as nails, clean in a flash. The radiator, made entirely out of metal, is easy to reach, minimises the risk of damage and – with its widemeshed and extremely stable radiator fins – is very easy to clean.





No matter what you may need to get to grips with tomorrow, we already know today that we have the individual solution for your every task.

boom to chassis runs through a two-part slewing console. This guarantees complete protection and full visibility while working. Extra protection as an option. The optional slewing angle end stop for the boom offers additional protection from cab collisions when using tool attachments up to 800 mm wide. A boom system for a long service life. The end bearing suspension of the boom arm and dipper stick cylinder guarantee an extended service life for the boom system. Whether short or long - you decide. Thanks to the strong boom system with two optionally selectable dipper stick lengths, every machine will manage to achieve the optimal digging strengths and digging values. Maximum possibilities with up to 4 auxiliary control circuits. Every model of the ET-Series is fitted as standard with a dual-action control circuit. Up to 4 additional control circuits are available as ex-works options. Safety first. The optional hose rupture safety device valves for boom arm and dipper stick cylinder make operations even safer. These can also be retrofitted quite easily. The effective digging power of an excavator is determined by a powerful motor and strong boom system. This is why each Wacker Neuson model of the ET-Series comes equipped, alongside the big diesel engine and innovative hydraulics, with an individually adapted boom system featuring two different dipper stick lengths. You have the choice; we have the best solution.

Full visibility and best protection. The hose guide from

Every worksite is different, every job too. This is why flexibility and functionality always take precedence with us.

Open-topped for extremely low passageways.

Sometimes, unusual access solutions are a must, even if you can't actually do the work that way. To this end, the cab can be dismantled quite simply by hand, without the machine losing any of its functionality. When you reach the place of work, you simply put the cab back on.



1 Just twist to set your working speed.

This enables the new stepless proportional control for the auxiliary control circuits during operation. In this way, the responsiveness and/or speed of the tool attachment can be individually adjusted.

- 2 Optional auxiliary control circuits: 3rd control circuit with piping up to boom arm end, Powertilt control circuit with piping up to dipper stick end, grabber control circuit, hydraulic quick-hitch
- 3 Maximum flexibility for every task.
 Up to 4 auxiliary control circuits can be selected ex-works for all models of the ET-Series. All machines come as standard with a dual-action control circuit.

control circuit.











The models of the ET-Series from Wacker Neuson have the answer to practically everything, and fulfil all requirements when it comes to productivity and functionality. Whether it's for quick transportation from A to B, or for the drive system and hydraulic prerequisites for the use of high-performance tool attachments, the ET-Series will always be the first choice for all those who wish to do the job efficiently.

We've no wish to haul you on board with grandiose promises: a versatile and stable undercarriage does the job a lot better.

The fact is that every model of the ET-Series has optimised undercarriage according to the model, since only this can guarantee optimum stability and the best drive characteristics in the tough everyday world. It's something that others can only watch and admire - and which speaks volumes in favour of these compact excavators from Wacker Neuson.





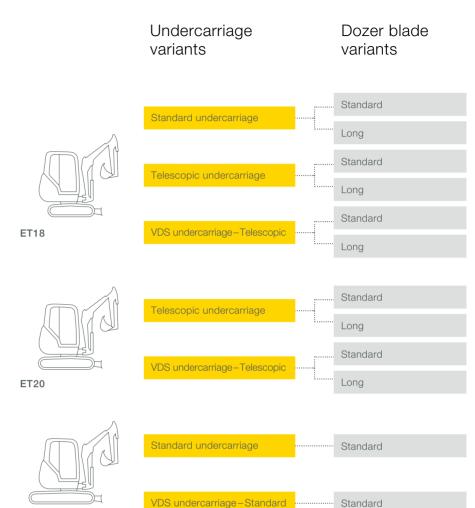


Undercarriage (ET18, ET20) with 2 dozer blade variants. This too takes a lot of beating. On all model-optimised undercarriage of the ET-Series (ET18, ET20) you can always choose from two dozer blade lengths. This enables optimal adaptation to suit the tool attachment used. The icing on the cake is the VDS (Vertical Digging System), available as an option on all models of this class.



Everything within easy reach. When excavating up to the dozer blade, even the smallest quantities can be scooped up with ease.

One special characteristic. The generously dimensioned profile frames of the dozer blade extensions always guarantee high stability while working.



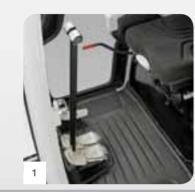
- 1 Collapsible, practical, solid. The collapsible dozer blade extensions on the telescopic undercarriage make for easy handling and are built into the undercarriage, so there's no chance of them being left behind on the building site.
- 2 Variable width. Thanks to the extremely stable telescopic undercarriage, even narrow passages become child's play. They can be adjusted from 1,300 to 990 mm. Stability is therefore always guaranteed.





We've taken a completely fresh look at the working environment: thanks to this approach, it becomes your very own comfort zone.

Anyone working long hours every day on site deserves a well-designed and individually adapted working environment. In this regard, the redeveloped and entirely revamped interior of the redesigned cab of the ET-Series sets new standards in terms of all-round vision, safety and user comfort. Fatigue-free fully-concentrate on your work: this finally becomes a reality.













Innovatively open to the working day. The innovative windscreen opening system makes it easy to ventilate the cab and to communicate with the driver. The need to remove and stow panes separately is made a thing of the past.





Lots of room for personal stuff. This too was taken into account with the new design. The multiple storage possibilities such as drinks holder, compartment for keys and phone, and a 12V plug socket within easy reach provide the working environment with that little bit extra.

Everything perfectly within reach. The modular joystick mounting enables a completely new operating concept with maximum field of view and safety, and can be individually adapted to customer wishes. Everything here is within easy reach and within plain view thanks to the perfect integration of control panel, displays, proportional control, throttle, adjustable arm rests and dozer blade lever.

- 1 A new dimension for legroom and control. The flat, roomy footwell can be further extended thanks to the collapsible pedals. You only get this from Wacker Neuson: Hydraulically servo-controlled foot pedals, ensuring new levels of precision in machine control.
- 2 Less ranting about the weather.

 The canopy version is available as an option with rear glazing for more protection whatever the weather.
- Access both sides.

The possibility of accessing from both sides guarantees optimal flexibility in routine site situations. With the canopy version this comes as standard, and with the cab version it's a comfort option.

Off-kilter ideas sometimes generate the most efficient solutions.

Preparatory work is costly, and often you have no time for unwieldy manoeuvring. Yet whatever the challenge, you can always bank on a 25 % performance edge. Here at Wacker Neuson we are the only manufacturer in the compact excavator segment to offer, for over 20 years, the tilting superstructure function (VDS). In the ET-Series, too, the Vertical Digging System is optionally available for all models.

Vertical digging simply made more efficient.

Save up to 25 % time and effort: Thanks to the continuously variable tilting of the superstructure through up to 15°, you can effortlessly compensate for gradients of up to 27 %. This means shorter digging times through precisely vertical digging.





- Greater productivity, improved efficiency.
- Up to 25 % time and material savings when excavating and filling in.
- Up to 20 % increased stability on a 15° gradient
- Full all-round slewing power through 360°.
- Familiar seat position for fatigue-proof working conditions.
- Simple and robust construction.

No matter what you have to do, this will make it that much easier.













Smart deployment as backhoe and face shovel. By simply turning it around, the backhoe can be used as a face shovel. Not only does this save time, but it also increases the excavator's flexibility.

The ET-Series makes work easier all round. You can choose from various preparations and a complete hydraulic quick-hitch system. EASY LOCK can also be perfectly combined with Powertilt. Get more out of your machine - so efficient, so easy.

- Hydraulics and hydraulic EASY LOCK and attachment tools are 100 % compatible.
- Deliverable ex-works no cost-intensive and laborious retrofitting work required.
- Better machine productivity.
- Switch from one attachment to another in less than 30 seconds without the driver having to leave his cab.
- Reduced time and manpower needs.





Yellow, strong and evolutionary: Each model defines its own specific work class.



Transport weight kg

ET18

ET20

1,880-2,075

ET24

2,065-2,285



ET18 – the tiny powerpack Transport weight: 1,610 – 1,955 kg

Equipment: Standard / telescopic undercarriage, VDS, Canopy / Cab Special characteristics: Most powerful machine in its class

ET20 - the powerful compact

Transport weight: 1,880–2,075 kg
Equipment: Telescopic undercarriage, VDS, Canopy / Cab
Special characteristics: Undercarriage and boom system specially suited to the weight class

ET24 – the flexible all-rounder

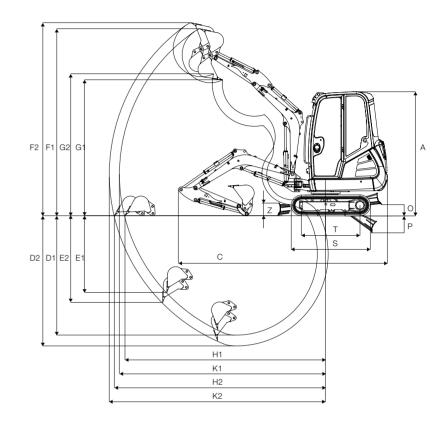
Transport weight: 2,065–2,285 kg
Equipment: Standard undercarriage, VDS, Canopy / Cab
Special characteristics: High stability and easy to transport

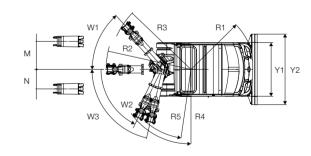


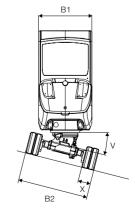
Technical data.

		ET18	ET18	ET20	ET20
		UNDER- CARRIAGE STANDARD TELE	UNDER- CARRIAGE TELE VDS	UNDER- CARRIAGE TELE	UNDER- CARRIAGE TELE VDS
DIM	ENSIONS				
Α	Height mm	2,290	2,390	2,295	2,385
B1	Superstructure width mm	990	990	990	990
B2	Width, undercarriage retracted mm	990	990	990	990
B2	Width, undercarriage extended (telescopic undercarriage only) mm	1,300	1,300	1,300	1,300
С	Transport length mm	3,855	3,800	4,050	4,030
D1	Max. digging depth (short dipper stick) mm	2,200	2,100	2,490	2,400
D2	Max. digging depth (long dipper stick) mm	2,400	2,300	2,690	2,600
E1	Max. vertical digging depth (short dipper stick) mm	1,420	1,320	1,670	1,570
E2	Max. vertical digging depth (long dipper stick) mm	1,610	1,500	1,850	1,760
F1	Max. digging height (short dipper stick) mm	3,450	3,550	3,840	3,930
F2	Max. digging height (long dipper stick) mm	3,560	3,660	3,960	4,050
G1	Max. dumping height (short dipper stick) mm	2,500	2,610	2,720	2,810
G2	Max. dumping height (long dipper stick) mm	2,620	2,720	2,840	2,930
H1	Max. span on the ground (short dipper stick) mm	3,700	3,670	4,030	4,000
H2	Max. span on the ground (long dipper stick) mm	3,900	3,870	4,230	4,200
K1	Max. digging radius (short dipper stick) mm	3,800	3,800	4,130	4,130
K2	Max. digging radius (long dipper stick) mm	4,000	4,000	4,330	4,330
М	Max. boom offset to centre of bucket, right side mm	520	520	520	520
N	Max. boom offset to centre of bucket, left side mm	360	360	360	360
0	Max. lift of dozer blade above ground (short) mm	200	270	220	270
0	Max. lift of dozer blade above ground (long) mm	300	360	300	360
Р	Max. scraping depth of dozer blade below ground (short) mm	320	260	300	260
Р	Max. scraping depth of dozer blade below ground (long) mm	380	310	360	320
R1	Min. tail swing radius mm	1,160	1,160	1,160	1,160
R2	Boom pivoting radius, centre mm	1,580	1,580	1,660	1,660
R3	Boom pivoting radius, right mm	1,500	1,500	1,580	1,580
R4	Boom pivoting radius, left lock mm	1,380	1,380	1,450	1,450
R5	Boom pivoting radius, left max. mm	1,280	1,280	1,350	1,350
S	Total crawler length (standard undercarriage) mm	1,460		_	_
S	Total crawler length (telescopic undercarriage) mm	1,605	1,605	1,710	1,710
	Crawler length Sprocket wheel (standard undercarriage) mm	1,080	-	-	-
T	Crawler length Sprocket wheel (telescopic undercarriage) mm	1,225	1,225	1,325	1,325
V	Tilting superstructure (VDS) °		0-15	-	0-15
W1	Max. swing angle of boom system to the right °	48	48	48	48
W2	Max. swing angle of boom system to the left lock °	64	64	64	64
W3	Max. swing angle of boom system to the left °	77	77	77	77
X	Track width mm	230	230	250	250
Y1	Dozer blade width mm	990	990	990	990
Y2	Dozer blade width with extension (telescopic undercarriage only) mm	1,300	1,300	1,300	1,300
Z	Dozer blade height mm	230	230	230	230

ET24	ET24
UNDER- CARRIAGE	UNDER- CARRIAGE
STANDARD	STANDARD
	VDS
2,390	2,470
990	990
1,400	1,400
_	_
4,030	3,980
2,500	2,420
2,700	2,620
1,660	1,580
1,850	1,770
3,960	4,040
4,080	4,160
2,750	2,830
2,870	2,950
4,025	4,000
4,220	4,190
4,150	4,150
4,340	4,340
520	520
360	360
300	350
	-
340	320
1 160	1 160
1,160 1,660	1,160
1,580	1,580
1,450	1,450
1,350	1,350
1,840	1,840
_	_
1,385	1,385
_	_
_	0-15
48	48
64	64
77	77
250	250
1,400	1,400
_	_
300	300







Technical data.

	LIFTING	POWER ET1	18 SHORT BU	JCKET ARM							
	max		3.0 m		2.5 m		2.0 m		1.5 m		
	A 0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	
₿											
2.5 m	381*	381*	_	_	362*	362*	_	_	_	-	
2.0 m	385*	377	383*	383*	379*	379*	_	-	_	-	
1.0 m	405*	329	430*	374	507*	483	673*	663	_	-	
0.0 m	434*	344	465*	365	594*	465	816*	636	1,243*	993	
-1.0 m	464*	464*	_		472*	470	671*	641	956*	956*	
-1.5 m	451*	451*	_	-	_	-	_	-	607*	607*	
	LIFTING	POWER ET2	20 SHORT BU	JCKET ARM							
	max		3.5 m		3.0 m		2.5 m		2.0 m		
	A 0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	
B											
2.5 m	380*	351	-	-	378*	358	356*	356*	-	-	
2.0 m	383*	305	-	-	380*	356	394*	394*	-	-	
1.0 m	399*	269	401*	272	452*	341	548*	442	754*	605	
0.0 m	422*	278	-	-	502*	328	643*	420	889*	574	
-1.0 m	445*	355	_	_	_	_	561*	421	758*	578	
-1.5 m	446*	446*	-	-	-	-	-	-	386*	386*	
	LIFTING	POWER ET2	24 SHORT BU	JCKET ARM							
	max		3.5 m		3.0 m		2.5 m		2.0 m		
	A 0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	
B											
2.5 m	552*	430	_	_	547*	440	513*	513*	_	_	
2.0 m	557*	374	_	_	552*	438	569*	569*	_	-	
1.0 m	580*	331	584*	335	657*	420	794*	546	1,088*	754	
0.0 m	615*	343	_	_	730*	405	932*	521	1,285*	718	
-1.0 m	649*	439	_	_	_	_	815*	522	1,098*	723	

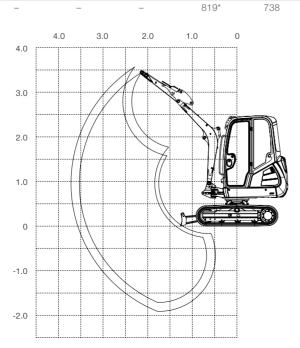


- A Projection from the middle of the turntable
- Load sling height above ground level

-1.5 m

* Lifting force is restricted hydraulically.

All values in the table are given in kg, at horizontal standing on hard ground and without bucket. If a bucket or other work tool is attached, the lifting power or tipping load is reduced by their weight. Basis of calculations: as ISO 10567. The lifting power of the compact excavator is limited by the adjustment of the pressure control valve and by the tipping security. Neither 75% of the static tipping load nor 87% of the hydraulic lifting power is exceeded.



	ET18	ET20	ET24
GENERAL			
Transport weight* kg	1,610-1,955	1,880-2,075	2,065-2,285
Operating weight** kg	1,745-2,090	2,025-2,220	2,210-2,430
Max. weight of extra options*** kg	170	170	150
Max. tear-out force kN as per ISO 6015	11.2	12.5	15
Max. digging force kN as per ISO 6015	18.8	18.8	21.8
ENGINE			
Model	Yanmar	Yanmar	Yanmar
Туре	3TNV76	3TNV76	3TNV76
Model	Water-cooled 3-cylind	er diesel engine	
Displacement cm ³	1,116	1,116	1,116
Engine speed rpm	2,200	2,200	2,200
Performance kW	13.4/18.2	13.4/18.2	13.4/18.2
Battery voltage V/Ah	12/44	12/44	12/44
Fuel tank volume	24	24	24
HYDRAULICS			
Pumps	Double variable pump	with 2 gear pumps	
Max. flow rate I/min	47.6 + 19 + 6.4	47.6 + 19 + 6.4	52.2 + 19.4 + 6.
Operating pressure for working and drive hydraulics bar	200	200	240
Operating pressure for slewing gearbar	125	150	150
Superstructure slewing speed rpm	10	10	10
Hydraulic oil cooler	Standard	Standard	Standard
Hydraulic tank capacity	19	19	19
UNDERCARRIAGE			
Track width mm	230	250	250
Ground pressure kg/cm²	0.3	0.28	0.29
Number of track rollers	3	4	3
Ground clearance (standard/telescopic undercarriage) mm	210/170	170	295
Drive speed km/h	3/5.3	2.1/4.1	2.5 /4
Max. gradeability ° (%)	30 (58)	30 (58)	30 (58)
DOZER BLADE			
Width x Height mm	990 (1,300) x 230	990 (1,300) x 230	1,400 x 300
Dozer blade stroke above/below ground Standard blade mm	200/320	220/300	300/340
Dozer blade stroke above/below ground Long dozer blade mm	300/380	300/360	-
NOISE EMISSIONS			
Noise emission level (L _m) dBA as per 2000/14/EC	93	93	93
Noise emission level (L. das per 2000/14/LO			

- * Transport weight: Basic vehicle + 10 % Fuel tank capacity
- ** Operating weight: Basic vehicle + full fuel tank capacity + dipper stick (400 mm) + operator (75 kg (165 lbs))
- *** If the vehicle is equipped with an optional extra, operating weight of the vehicle in order to determine the actual weight of the vehicle.

 All specifications concerning the optional extras weight specifications of the optional extras.

We reserve the right to make modifications without notice. No responsibility is taken for the accuracy of this information. The provisions of the contractual agreement shall be considered definitive.

STANDARD EQUIPMENT General	ET18: Rubber track 230 mm, ET20 and ET24: Rubber track 250 mm Dozer blade Working lights on boom arm Toolkit including grease gun and operator manual
Engine	Water-cooled Yanmar diesel engine
Canopy	Adjustable driver's seat with imitation leather cover and seatbelt Complies with the current ROPS and TOPS regulations Removable using eyelets on the canopy roof for hoisting the machine
Hydraulics	Variable pump with aggregate power regulation Hydraulic servo-control with joystick operation Valve control according to ISO, DIN, SAE, PCSA and EURO Auxiliary hydraulic connections for two directions of travel, mounted on dipper stick Hydraulically servo-controlled and cushioned foot pedals and track levers Mechanical brakes for the superstructure Hydraulic oil cooler Mini-measurement points
Undercarriage	Two drive speeds ET20: Hydraulic telescopic undercarriage 990 mm – 1.300 mm, with dozer blade extensions
OPTIONS	
Canopy	Rear windscreen Splinter shield Protective guard for FOPS (Level I or II)* Frontguard
Cabin, standard equipment	Glazed safety cab Complies with the current ROPS and TOPS regulations Cab heating adjustable from the driver's seat Inward-pivoting top and bottom windscreen pane Fully-lined cab interior Removable cab using eyelets for hoisting the machine on the canopy roof
Cabin, options	Radio installation setup Radio set with aerial and speakers Sliding side window Second cab door Protective guard for FOPS (Level I or II)* Frontguard
Hydraulics	Panolin Bio-Oil Bio-Biohyd SE46 Flat-faced couplers Adjustable proportional control for auxiliary hydraulics Control circuits for Powertilt (piping to end of dipper stick) or auxiliary control circuit (piping to auxiliary hydraulics); Actuation by means of adjustable proportional control Hydraulic quick-hitch system Grabber Auxiliary hydraulics and auxiliary control circuit relief valve Overload System Germany (boom arm cylinder) and France (boom arm and dipper stick cylinder)
Undercarriage	VDS Vertical Digging System ET18: Hydraulic telescopic undercarriage from 990mm to 1300mm, with dozer blade extensions
	ET18 and ET20: Long dozer blade
Boom system	Long dipper stick
Paint	Special paint 1 RAL, for yellow parts only Special paint 1 no RAL, for yellow parts only Special paint Cab / Canopy RAL, only RAL paint possible
Miscellaneous	Telematics Drive signal Auto idling system Drive interlock KAT Working lights front Working lights front and rear Rotating beacon Service valve
Security Pack	Various warranty extensions
Tool attachments	Easy Lock Easy Lock with Powertilt Easy Lock with Powertilt and loading hook (prerequisite: overload system Germany or France)

^{*}FOPS (Level I or II) compliant only when fitted with additional protective guard, available as a factory-installed option or as a retrofit kit.

Model overview.

TRACK EXCAVATORS

up to 1 t 1 – 2 t	803 1404, ET18
2-3t	ET20, ET24, 2503, 28Z3
3-4t	3505, 38Z3
4-5t	50Z3
5-6t	6003
6-8t	75Z3, 8003
12-14t	14504



MOBILE EXCAVATORS

up to 6 t	6503
8-11t	9503



WHEEL DUMPERS

up to 2 t	1001, 1501, 1601
2-5t	2001, 3001, 4001, 5001
6-9t	6001, 9001
over 9t	10001



TRACK DUMPERS

0.5 t	DT05
0.8 t	DT08, DT08 proline
1.2 t	DT12
1.5 t	DT15
2.5 t	DT25



SKID STEER LOADERS

443-567 kg	501s
613-726kg	701s, 701sp
795-908kg	901s, 901sp
1.035 -1.170 kg	1101c, 1101cp









The value wheel of Wacker Neuson: Customer success is at our centre.

Our winning formula stems from the values of a medium-sized family company that is listed on the stock exchange, with the strengths and competence of a globally active organisation, and with people who live out our credo day in, day out, full of vitality and bright ideas.

Quality, innovation, performance and character are what we believe in. That, and the lasting success of our customers, around whom everything ultimately revolves.



Never far from where you are. www.wackerneuson.com/dealer