WACKER NEUSON
all it takes!

The all-rounder for earth works

SERIES RC-2

Maximum productivity

Efficient compaction over large areas and on steep slopes

Founded in 1878, Wacker Neuson has focused on the manufacture of rollers for road building since the beginning of the 20th century. From that time on, Wacker Neuson has been the driving force and trend-setter in the industry. As such, many of the technologies and solutions considered the state of the art in the world of compaction today have been developed by Wacker Neuson.

With the compactors from the RC-2 series, Wacker Neuson is continuing this development, as they achieve outstanding compaction power on any construction site. A sophisticated design, powerful travel and vibration drives, plus plenty of traction and torque, even on difficult substrates and steep terrain, ensure efficient, high-quality compaction.

All RC-2 compactors offer drivers a comfortable workstation with intuitive operation thanks to Easy Drive and perfect visibility. Furthermore, Wacker Neuson is committed to environmentally friendly machine technology: All models come with the EMMS machine control system. Its benefits include a low fuel consumption, which reduces costs and emissions. The RC-2 series also leads the field in terms of digitalisation: It can communicate with Smart Doc from Wacker Neuson via integrated interfaces, as well as with other documentation systems available on the market.

COMPACTORS

> Drum width: 2,140

> Operating weight: 11 – 26 t

WACKER NEUSON

all it takes!

Highlights at a glance

Perfectly equipped

+
> Outstanding design
> Eco-friendly operation
> Intelligent control EMMS
> Smart Compaction

01 Operation & comfort

> Extremely spacious and comfortable
> Easy Drive operating concept for optimum ergonomic working conditions
> Clear, language-neutral operating elements for safe, intuitive operation

02 Compaction quality

> High linear load and centrifugal force
> Homogeneous compaction achieved by constant speed
> Automatic vibration system
> Smart Compact assistant for automatic adjustment of the compaction energy

03 Driving & steering

> 3-point articulation for excellent straightline operation
> Speed preselection and cruise control
> Simple and precise reversing
> Outstanding driving stability
> Traction control for optimum transmission of the driving power on all substrates
> Optimised steering behaviour
> Integrated 3-point articulation lock
> High slope angle

04 Visibility

> Outstanding overview of the machine and the construction site environment from any seating position
> Mirror for close range monitoring
> Exterior rear-view mirror can be adjusted from driver's seat
> Bright yet energy-saving lighting

05 Environmental friendliness

> ECO mode in every exhaust emissions category
> Automatic engine stop
> Reduced nominal speed lowers fuel consumption and noise emissions
> Use of HVO fuels
> Performance-related cooling

06 Assistance systems and more

> Digital interfaces
> John Deere Operations Center™
> Smart Doc
> Smart Compact

07 Sales variants and options

> Models with smooth, padfoot or vibration crusher drums
> C version for heavy-duty applications
> Comfort options for all climate zones

User-friendly workstation

Very spacious, very comfortable

Easy to board

From the comfort access to the operator's platform, it is immediately clear: The RC-2 series compactors offer operators many convenient features. Three steps and an anti-slip edge on the threshold allow drivers to climb up comfortably and safely, to find a well-appointed workstation awaiting them.

Easily find the perfect position

The Easy Drive operating concept from Wacker Neuson simplifies operation and ensures a healthy sitting posture. The height, seat suspension and position of the armrest can be adjusted. This allows each and every user to find their optimum position for long, concentrated working. The seat can be supplied with air suspension, a high backrest, a backrest extension and fabric covers as optional extras.

In addition, there are many practical features, for example the 12 V sockets for a cool box or charging a mobile phone, a compartment in the armrest for a mobile phone, two USB ports, storage space, cup holders and numerous fresh air nozzles.

Ergonomic as standard

The steering column forms a unit together with the dashboard and steering wheel, and its tilt can be precisely adjusted in small increments. There is also the option to adjust its height. To make the workstation as quiet as possible, the operator's platform has a moulded floor mat with integrated sound insulation.

XXL workstation

Different regions place different requirements on a compactor. This is why the RC-2 series is available with a cabin or an open operator's platform. A protective roof can be added to the models with open platform. The workstation in all versions is extremely spacious. Tall drivers will be especially happy about the spacious footwell and the excellent headroom. The driver's seat can optionally be rotated in either direction: Clockwise by 70 °, anticlockwise by 10 °. Thanks to the adapter for the rotating seat (option) with an innovative rotating and moving mechanism, operators benefit from even more freedom of movement.

Comfortable cabin

Convex front and rear windscreens in the cabin make even more space available. Sixteen air outlets ensure agreeable temperature control and a supply of fresh air in any weather conditions. An air-conditioning system is also available as an option. Sliding windows in the cabin also enable the rearview mirrors to be easily adjusted.

At cold temperatures, ventilation slots ensure fast de-icing, while the rear windscreen is also heated. In addition to the standard heating, the cabin can be equipped with an auxiliary heater. It preheats the engine and cabin and keeps running even if the automatic engine stop has switched off the diesel engine to save fuel.

XXL panoramic cabin
spacious with a lot of headroom

ROPS/FOPS
as standard for all cabins

Rear-view mirror
easy to adjust, heated on request

Follow your intuition

Work safely and efficiently

Simply logical, simply language-neutral

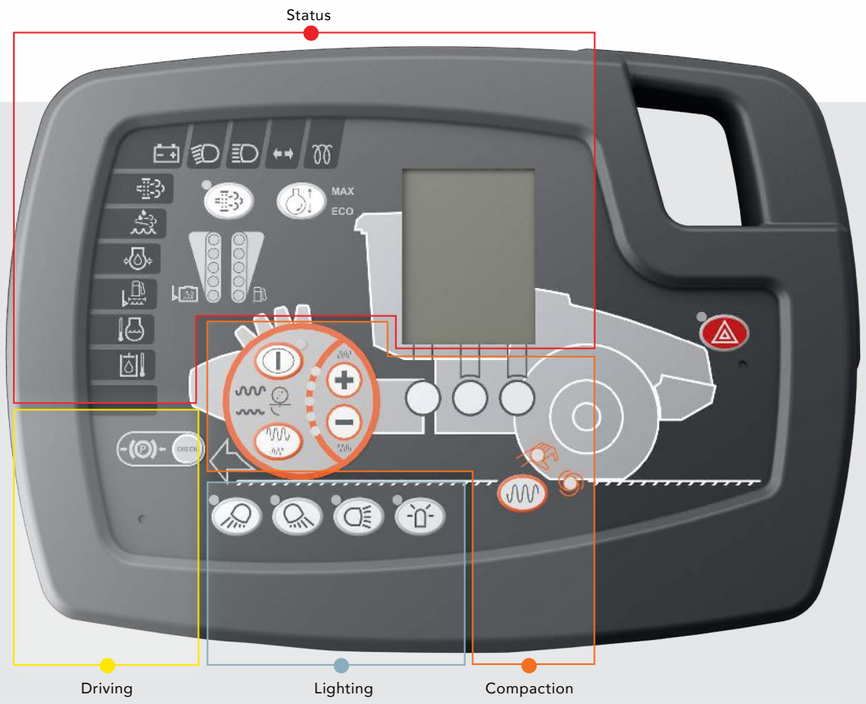
Straightforward operation is one of the hallmarks of Wacker Neuson rollers. One of the key elements: No language knowledge is needed to understand the displays. Clear symbols and the logical layout help to make operation intuitive. The RC-2 series also impresses in terms of its ergonomics.

The seat can be adjusted in a variety of different ways. The same applies to the position of the steering column with the steering wheel in the centre. It can be adjusted in next to no time, as the steering column can be tilted and there is also the option to adjust its height.

Clear and simple thanks to Easy Drive

Easy Drive is the state-of-the-art operating concept from Wacker Neuson. It stands out thanks to its simple, easy-to-learn operation and outstanding comfort. For example, all Easy Drive rollers are steered using a steering wheel. The other main functions are controlled via a joystick and the speed preselection wheel.

All operating elements are positioned to allow the driver to operate the compactor quickly and easily.



The dashboard behind the steering wheel contains status and parameter displays as well as infrequently used buttons. All displays and switches are grouped into functional units with colour markings. This makes operation easier, since the same applies here as it does to all other Wacker Neuson rollers: Same colour – same functional group.

Drive control is by means of a joystick on the multifunction armrest.

The important buttons are visible at all times in the spacious Easy Drive operator's platform. The idea behind all other operating elements is that, the more often they are used, the closer to the joystick they are located.

Excellent visibility

Everything in view, everything under control

Cabin with perfect all-round visibility
From the large cabin, the operators have an unobstructed view of the working area directly around the roller, the drum and the surrounding construction site. All models meet the current field of vision standards, even without cameras.

The distribution of the windows is practical: A sliding window makes it possible to adjust the exterior mirror simply and safely from the driver's seat. The added bonus of this is that the cabin ventilation can be modified quickly and easily.

Even the space behind is in view
In all RC-2 series models, the combination of an ingenious frame design and a slender engine hood with view channel provides drivers with a clear view of the ground to be compacted. There are no pillars blocking the driver's view. The exhaust pipe has also been placed so as not to obstruct the field of vision.

There is a small additional mirror facing downwards for a view of the vicinity. A camera system can also be installed on request. This visibility contributes to the compaction quality and ensures a high level of safety.

Work safely, even in the dark
Powerful spotlights provide ample illumination of the working area even after dark. That’s because Wacker Neuson uses economical and bright LED lights for the work lighting and rotating beacon.

For operation on public roads, there are various LED lighting packages tailored to national regulations.

The Coming Home function provides additional safety: After the machine is switched off, the light remains switched on for a brief period before the spotlights are switched off automatically. The illuminated area around the roller makes it easier for drivers to find their way back in the dark.

Windscreens that are always clear
Inside, the windscreen heater ensures an unimpeded view to the front and back.

Large windscreen wipers ensure perfect visibility on the outside. They can operate at various levels thanks to interval mode.

The all-terrain master

Modern drive control and even weight distribution

The 3-point articulation ensures excellent driving stability and effective shock absorption.

Strong on slopes
Large slope angles and powerful drives guarantee that the compactors in the RC-2 series achieve excellent compaction on uneven and steep terrain – even on inclines over 60%. A large clearance between the crossbeam and drum prevents the build-up of material.

3-point articulation for even higher quality
The 3-point articulation developed by Wacker Neuson is the key to exceptionally favourable weight distribution and outstanding driving stability. Even when compacting very uneven ground, the articulated joint makes for unrivalled driving comfort. Even with full steering lock, the chassis design ensures excellent shock absorption and even weight distribution between the drum and rear axle. Plus, the risk of tipping during cornering is greatly reduced.

Cutting-edge drive control
The RC-2 series compactors are equipped as standard with the EMMS electronic machine management system, which monitors all engine and driving functions. It automatically adjusts the travel and vibration or oscillation drives as well as the engine speed to the current operating conditions. This significantly reduces fuel consumption as well as exhaust gas and noise emissions.

Concentrated energy
The high static linear load of the RC-2 series compactors – depending on the model, the compactors introduce up to 80 kg/cm into the ground – is the best prerequisite for efficient and fast compaction with great depth effect.

Using the maximum speed preselect that is integrated as standard, cruise control and the electronic driving lever, the compaction force can be metered precisely. Moreover, the reverse assist system helps with changing the direction of travel.

Generous ground clearance
enables masterful handling

Extensive hose protection
prevents damage to the hydraulic system

Direct steering
reduces the steering work

High traction
even on rough terrain

No compromises

High-quality and cost-effective compaction

Different compaction systems
Drums with different exciter systems are available for the RC-2 series compactors. Alongside the traditional vibrating roller drum for all weight classes, there are also models with a VIO drum or with a VA drum. VIO drums can compact with either vibration or oscillation. VA drums, however, enable the compaction force to automatically change by any increment or to be manually adjusted to specific levels.

Padfoot drums
Compactors with a padfoot drum are often the number-one choice when compacting very cohesive soils. The padfoot shells (option) offer additional flexibility: They can be used to convert any smooth drum to a padfoot drum in next to no time.

Vibration crusher drum (VC)
Other application options are available on the model with a vibration crusher drum (see page 16).

Effective scrapers
The design of the RC-2 series front vehicle prevents material from building up on the drum. Firstly, the clearance between the drum and crossbeam is exceptionally large. Secondly, the position of the scrapers has been optimised accordingly. This does away with the need for time-consuming cleaning of the drums. This ultimately increases productivity.

WACKER NEUSON > LARGE RANGE OF DRUMS

The RC-2 series rollers are available with different drum shells:

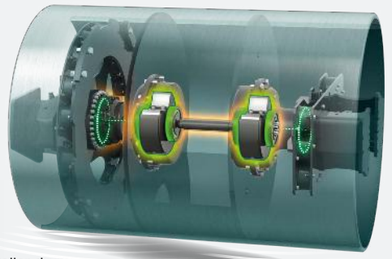
Smooth drum

Padfoot drum

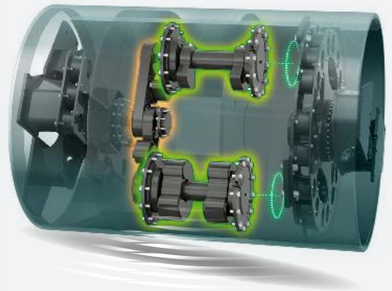
Vibration crusher drum with VC toolchanging system

Different compaction systems
Smooth drums with different compaction systems are available for the RC-2 series compactors:

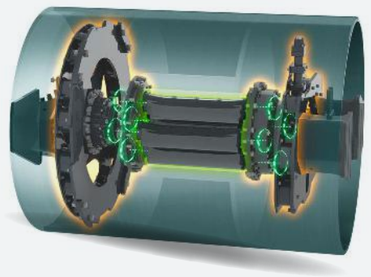
Compaction with vibration
> Vibrating roller drums can work with small or big amplitude.


Vibrating roller drum

VIO: Compaction with vibration or oscillation
> Vibration with higher amplitude
> Switch between vibration and oscillation from the operator's platform


VIO drum

VA: Compaction with variable amplitude
> Automatic compaction to suit the ground conditions
> Five amplitude levels for wide range of applications
> Target value for load-bearing capacity specified in MN/m²
> Fewer double passes, lower fuel consumption, lower CO_2 emissions
> More information on page 25


VA drum

Dynamic compaction with vibration and oscillation
The compactors compact the ground through their weight, which acts on the substrate during the double pass. If the drums are caused to vibrate at the same time, this is called dynamic compaction. This significantly increases the compaction effect.

Vibration
During vibration, the drum performs a fast, circular movement. This results in the compaction energy being directed vertically into the substrate, achieving a powerful depth effect.

Oscillation
During oscillation, the drum performs a rapidly alternating forwards/backwards rotational movement. This introduces the compaction energy tangentially to the front and back and into the substrate. In contrast to a vibrating roller drum, it acts dynamically on the substrate all the time and always has contact with the ground. This also results in constant static compaction using the machine weight.

VIO
The VIO drums see Wacker Neuson combine vibration and oscillation
in one system. The driver can switch between the two compaction systems while the roller is moving

WACKER NEUSON > ADVANTAGES OF OSCILLATION

Efficient and economical compaction
> No over-compaction
> Homogeneous, even carriageways
> Dynamic compaction even in vibration sensitive areas
> Low noise level and reduced vibrations

Crushing and compacting stone

Two jobs taken care of in a single pass

Optimising processes

The extremely robust VC compactors crush various construction materials and minerals when compacting with vibration. Every last detail is designed for heavy-duty application.

At the heart of the VC compactors is a quick-change system, which can accommodate various different tools. This makes them suitable for many applications within the road construction sector as well as for preparing paths in tunnel and rock operations. Thanks to the EMMS machine control system, the compactors can still compact and crush stone even at inclines of up to 60%.

"VC" stands for "vibration crusher"

Two types of cutting tool

For machining stone, Wacker Neuson currently has two different
tools in its range. The geometry and quality of the cutting tool are specially tailored to materials of different compressive strength: There is a round-shank cutting tool for stone, which is made from wear-resistant steel for crushing materials with a lower compressive strength, and a round-shank cutting tool with a carbide tip and additional armouring for use in hard rock and abrasive materials.

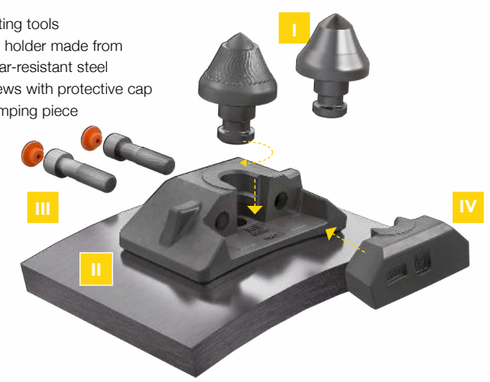
Easy tool changes

126 quick-change toolholders are welded onto the drums of the VC compactors. Its sophisticated design makes changing the cutting tools easy, with no need for specialist tools – it can even be done quickly while still on the construction site without any hassle.

With the quick-change system, neither the cutting tools nor the fastening elements are damaged. That means the tool holder, clamping piece and bolts can be reused after a change.

The tools can even be quickly changed while still on the construction site.

I Cutting tools
II Tool holder made from wear-resistant steel
III Screws with protective cap
IV Clamping piece



Standard cutting tool

Cutting tool with carbide tip and armouring

Applications

1. Crushing and compacting
The round-shank cutting tools for stone can be used to crush and simultaneously compact stone or broken concrete. This redistributes the particles, which in turn causes the materials to interlock. Ultimately, this also means areas that are less well mixed can become load-bearing layers of bulk material.

2. Pre-crushing and loosening rock
If the vibration crusher drum is fitted with cutting tools with carbide tips, these can form cracks in rocks. This loosens or pre-crushes the stone. This process step makes it easier for the cold milling machine to clear away the stone, for instance for construction of new tunnels or roads and can also dramatically increase
the milling capacity.

3. Preparing roadways
VC compactors can efficiently delineate, prepare and maintain roadways in quarries.

Versatility is our trump card

Versatile applications thanks to optional features

Distributing and compacting: Dozer blades for compactors
The specially shaped dozer blade turns the compactor into a combination unit that can pave and compact smaller volumes of stone without the need for an additional caterpillar vehicle. The dozer blades are available in two sales variants for models in the RC-2 series, depending on the drum width. The dozer blades can push and distribute materials, while special skids prevent the blades from digging into the ground. In addition, the patented high-visibility cross-member provides an unobstructed view of the area in front of the dozer blade. Very important for the quality of the work is the fact that the dozer blade can also be controlled quickly and extremely sensitively thanks to the proportional valve used.

Vibration plate
The vibration plate is a practical addition for the 13 t compactors from the RC-2 series. It compacts the ground at a small amplitude and high frequency. This makes it possible to optimise the compaction of non-cohesive soils in particular, which tend to re-loosen. The vibration plate is extremely easy to fit and remove. The electrical and hydraulic systems are connected by a single quickaction coupling.

The vibration plate also impresses during operation: All functions can be implemented from the operator's platform using the joystick.

C model compactors: For heavy-duty applications
The C models with their more powerful drive and up to 30% more torque are especially well suited for challenging tasks in landfill construction or when compacting very heavy, wet or cohesive soils. With anti-slip control and a no-spin axle, the C models offer plenty of traction and gradeability in any driving situation.

Yet they are still economical: Fuel consumption in the C models is almost identical to that in models without more powerful drives, because all rollers have the same diesel engine. The high level of torque is also impressive especially when working on slopes and when using the dozer blade.

The dozer blade is available for machines up to 20 t with smooth or padfoot drums.

The vibration plate can be moved sideways. This allows for compaction even in critical edge areas.

C R compactors
The C R models are specially equipped for compaction on rocky ground. Their machine equipment is based on the C models. However, the drum on the C R models is made from an extremely wear-resistant steel that is more than twice as hard (Brinell hardness).

Intelligent engine technology

Economical power packages –
modern and quiet

Efficient and environmentally friendly
State-of-the-art water-cooled 4-cylinder or 6-cylinder diesel engines provide the RC-2 series compactors with clean power. The exhaust gas after-treatment on all models fulfils regional legal requirements.

An intelligent air duct enables the compactors to be operated at ambient temperatures from –20 °C to 50 °C, while the redesigned cooling draws in fresh air right behind the cabin. This keeps the operator's platform and cabin floor cool.

The controllable fans are another benefit. The speed automatically adapts to the demand for cooling air. This reduces the noise emissions of the compactors.

Optimised fuel consumption without loss of power
All engines work at a lower speed of 2,000 rpm instead of 2,300 rpm. This means that the sound and exhaust gas emissions they generate are lower, without compromising on the usual high compaction power.

The engine power can be harnessed at two levels: "Maximum speed" mode or ECO mode. In ECO mode, EMMS controls the engine speed depending on the load requirement and only increases it as much as is necessary for the current driving or work situation. All other components are then operated in the optimum range, according to the work situation.

Generally speaking, the RC-2 series compactors work extremely economically: They achieve fuel savings compared to predecessor models of 10% (RC-2 series) or 20% (3000 series). They can also run on HVO fuels.

Economical automatic mechanism
The optional automatic engine stop in the compactors helps cut costs and emissions, because the engine switches off automatically after an extended period of inactivity. This lowers diesel consumption, prevents unnecessary noise emissions and minimises the number of operating hours.
All of this ensures a high level of acceptance and low operating costs.

Up to 20% lower fuel consumption
compared to the RC series

High-quality filters
long tool life, improved filter effect

Automatic engine stop
cuts emissions and costs

EMMS
as standard for all models

Ready for a digital construction site

Technology for the construction sites of the future

Digital ready

The RC-2 series compactors are 'digital ready'. In addition, the rollers are equipped with interfaces and the corresponding hardware so that they are prepared for the applications, quality and communication challenges of the construction sites of the future.

A standardised process data interface can be integrated into the operator's platform. This can be used to enable the compactors to communicate with external applications for continuous compaction control.

Always well-informed

The John Deere Operations Center™ telematics system visualizes the performance data of the rollers in a compact overview in real time. In addition to the machine's live data (such as consumption data or engine load), working hours, position data, error messages and service intervals for the entire fleet can also be accessed anytime, anywhere. Diagnostic codes also enable predictive maintenance planning. This, in turn, helps lower maintenance costs.

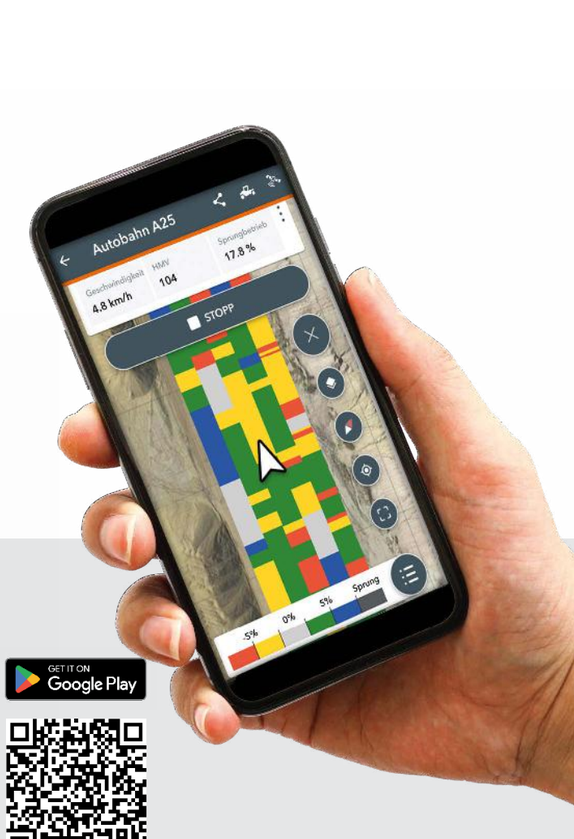
Smart Doc: Assistance for the best possible compaction

Smart Doc combines data from the machine control system with data from the Smart Receiver (GNSS receiver). As a result, important compaction parameters and the compaction progress are displayed and logged on a tablet or smartphone. This creates "compaction maps", which show at a glance the areas that have already been adequately compacted and those that require further compaction. Smart Doc can also be used to document compaction.

Networking on the construction site

If multiple rollers work together on a construction site, Smart Doc maps all of the data together. This means the overall compaction achieved by the team can be displayed in every roller. Plus, the construction management team can also follow the result in real time from their office.

Smart Doc – The quality assurance



GET IT ON Google Play

Smart Doc is an app for Android devices and can be downloaded on to smartphones or tablets from the Google Play Store free of charge. Data is exchanged between the machine control system, Smart Doc and the GNSS receiver via Bluetooth.

Always optimal compaction force

Efficient and comfortable with the VA 20 & 25t drum

Increasing process reliability
For maximum flexibility and the best possible compaction results, manufacturer has developed VA drums. These are controlled by the Smart Compact compaction assistant. This happens either manually or in automatic mode.

In automatic mode, the energy is directed into the ground even more efficiently. This results in higher process reliability, since Smart Compact delivers impressive compaction results – on cohesive material as well as on sandy or coarse soils.

Simple operation
It only takes three steps to access the full support of Smart Compact:
1. Activate vibration
2. Select automatic
3. Select target value for the load-bearing capacity

Then, simply start the vibration as usual and get compacting! During compaction, the current load-bearing capacity value

SCV (Smart Compaction Value) of the ground (in MN/m²) is recorded by the SCM (Smart Compact Meter), which has been specially developed for Smart Compact. The compaction assistant automatically adjusts the VA drum's unbalance system so that it vibrates at the optimum amplitude. This results in a homogeneously compacted surface. At the same time, Smart Compact reliably prevents jump operation.

Flexible rotary vibrator
The VA drum (VA = variable amplitude) works on the principle of the rotary vibrator. It has an unbalance system with fixed and adjustable weights. Depending on the position of the weights relative to one another, the amplitude of the vibration changes and, consequently, so does the compaction energy.

Compacting with precision – automatically or manually
If the use of vibrations is only permitted to a limited extent (e.g. in urban areas or above infrastructure lines), the roller can be operated in manual mode.

In automatic mode, the required load-bearing capacity of the ground (in MN/m²) can be predefined. Smart Compact automatically adjusts the compaction force to the load-bearing capacity achieved at that time. This way, the compaction target is reached quickly and reliably. At the same time, it also prevents over-compaction and reduces the number of passes. This makes the Smart Compact compaction assistant an especially practical choice for less experienced roller operators. They simply have to concentrate on driving; yet the compaction still stays homogeneous at all times.

Energy savings as standard
With Smart Compact, the amplitude of the VA drum can be set automatically to any increment or manually adjusted to one of five levels. Whenever the maximum compaction force is needed, the drum vibrates at the highest amplitude. In all other situations, the fuel consumption reduces.

Setting the target depth effect
The variable amplitude means the depth effect of the compaction can be purposely influenced. Large amplitudes produce a large depth effect, whilst small amplitudes produce a lower depth effect.

More extensive layers of bulk material can be achieved
The maximum amplitude of the VA drum is greater than that of the vibrating roller drums. In this setting, the centrifugal forces are also far greater. Consequently, the VA drum can homogeneously compact with a much greater layer thickness than vibration-only drums.

Optimal with Smart Compact and Smart Doc
The combination of Smart Compact with Smart Doc delivers especially good results. Smart Compact then provides adaptive compaction without jump operation. At the same time, Smart Doc indicates precisely where compaction is still needed. The combined use of both assistance systems further increases the quality of the compaction result.

Efficient maintenance

All sorted in just a few steps

Ergonomic and efficient
The few maintenance tasks required for the RC-2 series compactors can be completed quickly. That's because all service points, the oil and water cooling system and the battery are easily accessible and grouped together on one side of the machine. The engine hood can be opened and closed extremely easily at the push of a button using the comfort function (option).

Sufficient light is always available for the checks, even in the dark, as the work lighting on the cabin or on the protective roof illuminates the engine compartment perfectly. A particularly practical feature: The side panels of the engine hood can be easily removed without tools.

Always well informed
To ensure fast and thorough servicing, Wacker Neuson uses the WIRTGEN GROUP's WIDIAG service diagnostics tool. The interface for this system is easily accessible in the multifunction armrest.

The RC-2 series compactors can be equipped with the John Deere Operations Center™ telematics system for remote diagnostics and efficient fleet management.

Design

Since the 1980s, Wacker Neuson has considered design to be a crucial element in product development. And this has proven to be a successful approach, as illustrated by the fact that Wacker Neuson has, to date, won more than 40 international design and innovation awards, making it the front runner in the construction industry.

Environmental protection at every stage

On the construction site, Wacker Neuson rollers are impressive thanks to their low fuel consumption. What's more, most models can either be operated with diesel or even with non-fossil fuels. Wacker Neuson AG's main plant is certified in accordance with ISO 14001, meaning that it is also constantly striving to reduce emissions and the use of resources in the production of rollers.

EMMS

The EMMS electronic machine management system monitors all engine and driving functions. It automatically adjusts the travel drive, the vibration or oscillation drive and the engine speed to the current operating conditions. This reduces fuel consumption as well as exhaust gas and noise emissions.

Easy Drive

Intuitive operation is at the heart of the Easy Drive operating concept. It is easy to learn, and employs the same operating logic in all Easy Drive rollers in which it is installed. In addition, the ergonomically optimised operator's platforms ensure the driver always adopts a healthy posture and seating position.

Smart Compaction

Thanks to Smart Compaction, Wacker Neuson is able to offer a range of systems to support compaction. This includes solutions for comprehensive monitoring, documentation and quality assurance during compaction as well as integrated assistance systems for automatically selecting the required compaction parameters and for regulating the compaction energy.

Options for every eventuality

Tailored to fit all applications and regions

Wacker Neuson has thought of everything. Thanks to numerous additional options, the rollers can be precisely adapted to requirements.

Automatic engine stop: Automatic engine cut-off after an extended period of inactivity. Saves fuel and, therefore, operating costs.

RC-2M (Wacker Neuson Compaction Meter): Displays the HMV value on the dashboard. Also available with compaction meter for oscillation compaction on VIO compactors.

Smart Doc: Smartphone or tablet app for compaction control. Helps the driver by providing "compaction maps" with a graphic depiction of the compaction status.

Telematics interface: Standardised telematics interface for transferring machine data.

Smart Compact: Assistance system to support the driver. For rollers with VA drum. Automatically adjusts to the right amplitude if the frequency and target value of the load-bearing capacity is predefined.

Adapter for rotating seat: For even more freedom of movement, the driver's seat can be rotated by up to 70 °.

Process data interface: For exporting proc-ess data (continuous compaction control) into common documentation systems with ease.

Auxiliary heating: Heats the cabin when the engine is switched off.

Work lighting: Four or ten additional LED lights, fitted to the front and back of the cabin roof or protective roof.

Comfort seat: With electric height adjustment, lumbar support, air suspension, automatic positioning system and other comfort features.

Frequency control: Fine-tuned control of the vibration frequency. Meets the requirements of applicabinle continuous compaction control tenders for targeted reduction of the centrifugal force.

Padfoot shells: Using padfoot shells, a smooth drum can be quickly converted into a padfoot drum.

Adapter for rotating seat: For even more freedom of movement, the driver's seat can be rotated by up to 70 °.

Smart Doc

Adapter for rotating seat

VC drum

Technical data at a glance - Tier 3

Correct at time of printing

Type		RC110-2	RC110-2 P	RC130-2	RC130-2 P	RC130-2 O	RC160-2	RC160-2 P	RC180-2	RC180-2 P	RC200-2	RC200-2 P	RC250-2 C	RC250-2 CP
Weights														
Operating weight- A/C Cab	kg	11,765	12,150	12,920	13190	12,920	15,150	15430	17,340	17640	19,240	19,645	24,065	24,375
Static linear load, front	kg/cm	29.74	31.54	35.75	37.03	35.75	41.57	28.85	51.8	53.2	61.47	63.37	80.65	82.1025
Axle load max, front/rear	kg	6365/5400	838/5660	8380/8970	9000/6140	8380/8970	11190/7100	9720/7100	12860/6880	11410/6980	14930/6810	13590/6810	19030/7530	17600/7530
Drum and wheels														
Working width	mm	2140	2140	2140	2140	2140	2140	2140	2140	2140	2140	2140	2140	2140
Drum diameter, front	mm	1504	1687	1504	1687	1504	1504	1504	1504	1680	1600	1790	1600	1790
Drum thickness, front	mm	30	15	30	20	20	30	20	45	30	45	35	45	35
Drum Type		Smooth	Padfoot	Smooth	Padfoot	Smooth	Smooth	Padfoot	Smooth	Padfoot	Smooth	Padfoot	Smooth	Padfoot
Height of pad	mm		112		100			112		100		100		100
Tyres		AW 23.1-26 12 PR	TR 23.1-26 12 PR	AW 23.1-26 12 PR	TR 23.1-26 12 PR	AW 23.1-26 12 PR	AW 23.1-26 12 PR	TR 23.1-26 12 PR	AW 23.1-26 12 PR	TR 23.1-26 12 PR	AW 23.1-26 12 PR	TR 23.1-26 12 PR	AW 23.1-26 12 PR	TR 23.1-26 12 PR
Engine														
Engine make		John Deere	John Deere	John Deere	John Deere	John Deere	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz
Type		JDPS 4045PTE	JDPS 4045PTE	JDPS 4045PTE	JDPS 4045PTE	JDPS 4045PTE	TCD 2012 L06 2V	TCD 2012 L06 2V	TCD 2012 L06 2V	TCD 2012 L06 2V	TCD 2012 L06 2V	TCD 2012 L06 2V	TCD 2012 L06 2V	TCD 6.1 L6
Rated power ISO14396, kW/PS/rpm	kW/HP	101,0/137, 3/2000	101,0/137, 3/2000	101,0/137, 3/2000	101,0/137, 3/2000	101,0/137, 3/2000	150,0/203, 9/2000	150,0/203, 9/2000	150, 0/210/2300	150, 0/210/2300	155, 0/210,7/2300	155, 0/210,7/2300	155, 0/210,7/2300	160,0/217, 7/2000
Drive														
Speed, infinitely variable	km/h	0 - 11.8	0 - 11.9	0 - 12.1	0 - 11.9	0 - 12.1	0 - 11,9	0 - 11,9	0 - 11,9	0 - 11,9	0 - 11,9	0 - 11,5	0 - 11,9	0 - 12,0
Gradeability vibration on/off	%	52/58	55/61	52/58	55/61	52/58	55/61	55/61	55/61	55/61	51/57	55/61	56/62	59/66
Steering														
Turning radius outside	mm	4131	4131	4131	4131	4131	4131	4131	4137	4137	4278	4278	4822	4822
Vibration														
Vibration frequency, front, I/II	Hz	30/36	30/36	30/36	30/36	33	30/36	30/36	28/31	28/31	27/30	27/30	27/30	27/30
Amplitude, front, I/II	mm	1,95/0,85	1,80/0,80	2,05/1,10	1,90/1,05	1,95	2,05/1,10	1,90/1,05	2,10/1,35	2,15/1,35	2,20/1,25	2,10/1,20	2,20/1,25	2,10/1,20
Centrifugal force, front, I/II	kN	250/155	250/155	290/220	290/220	280	290/220	290/220	330/260	330/260	350/250	343,05/243,74	350/250	350/250
Capacities														
Fuel	l	280	280	280	280	280	336	336	336	336	336	336	336	336
Hydraulic Oil	l	105	105	105	105	105	105	105	105	105	105	105	105	105

Technical data at a glance - EU Stage V

Correct at time of printing

Type		RC110-2	RC110-2 P	RC120-2	RC120-2 P	RC130-2 O	RC130-2	RC130-2 P	RC160-2	RC160-2 P	RC180-2	RC180-2 P	RC200-2	RC200-2 P	RC250-2	RC250-2 CP
Weights																
Operating weight- A/C Cab	kg	12,040	12,435	12,280	12,670	13,210	13,210	13,485	16,390	16,280	17,340	17,640	19,240	19,645	24,065	24,375
Static linear load, front	kg/cm	29.93	31.75	31.38	33.2	35.31	35.31	36.8	50.68	51.16	51.8	53.2	61.67	36.36	80.65	82.1
Axle load max, front/rear	kg	9450/5890	8430/5900	9450/5890	8430/5890	8330/9320	8330/9320	8950/6000	13170/5970	11650/5970	12860/6980	11410/6980	13155/6085	13590/6810	19030/7530	17600/7530
Drum and wheels																
Working width	mm	2140	2140	2140	2140	2140	2140	2140	2140	2140	2140	2140	2140	2140	2140	2140
Drum diameter, front	mm	1504	1690	1504	1690	1504	1504	1690	1504	1677	1504	1680	1600	1790	1600	1790
Drum thickness, front	mm	30	5	30	15	20	30	20	45	30	45	30	45	35	45	35
Drum Type		Smooth	Padfoot	Smooth	Padfoot	Smooth	Smooth	Padfoot	Smooth	Padfoot	Smooth	Padfoot	Smooth	Padfoot	Smooth	Padfoot
Height of pad	mm		112		112			112		100		112		100		100
Tyres		AW 23.1-26 12 PR	TR23.1/18-26 12PR	AW 23.1-26 12 PR	TR23.1/18-26 12PR	AW 23.1-26 12 PR	AW 23.1-26 12 PR	TR23.1/18-26 12PR	AW 23.1-26 12 PR	TR 23.1-26 12PR	AW 23.1-26 12 PR	TR 23.1/18-26 12PR	AW 23.1-26 12 PR	TR 23.1-26 12PR	AW 23.1-26 12 PR	TR 23.1-26 12PR
Engine																
Engine make		John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere*	John Deere*	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz
Type		JDPS 4045EWS	JDPS 4045EWS	JDPS 4045PSS	JDPS 4045PSS	JDPS 4045PSS	JDPS 4045PSS	JDPS 4045PSS	JDPS 4045PSS	JDPS 4045PSS	TC6.1 L6	TC6.1 L6	TC6.1 L6	TC6.1 L6	TC6.1 L6	TC6.1 L6
Rated power ISO14396, kW/PS/rpm	kW/HP	85,0/115,7/2000	85,0/115,7/2000	85,0/115,7/2000	85,0/115,7/2000	119.6/162,6/2000	119.6/162,6/2000	119.6/162,6/2000	119.6/162,6/2000	119.6/162,6/2000	160,0/217,7/2000	160,0/217,7/2000	160,0/217,7/2000	160,0/217,7/2000	160,0/217,7/2000	160,0/217,7/2000
Drive																
Speed, infinitely variable	km/h	0 - 11,8	0 - 11,9	0 - 12,1	0 - 11,8	0 - 12,1	0 - 12,1	0 - 12,0	0 - 12,1	0 - 11,9	0 - 11,9	0 - 11,9	0 - 11,9	0 - 11,5	0 - 11,9	0 - 12,0
Gradeability vibration on/off	%	52/58	55/61	52/58	55/61	52/58	57/63	55/61	51/57	55/61	52/58	55/61	51/57	59/66	56/62	59/66
Steering																
Turning radius outside	mm	4131	4131	4131	4131	4131	4131	4131	4131	4131	4137	4137	4278	4278	4822	4822
Vibration																
Vibration frequency, front, I/II	Hz	30/36	30/36	30/36	30/36	33	30/36	30/36	28/31	28/31	28/31	28/31	27/30	27/30	27/30	27/30
Amplitude, front, I/II	mm	1,950/0,85	1,8/0,8	1,950/0,85	1,8/0,8	1,95	205/1,1	1,90/1,05	2,10/1,35	2,15/1,35	2,10/1,35	2,15/1,35	2,20/1,25	2,10/1,20	2,20/1,25	2,10/1,20
Centrifugal force, front, I/II	kN	250/155	250/155	250/155	250/155	280	290/220	2290/220	330/260	330/260	330/260	330/260	350/250	350/250	350/250	350/250
Capacities																
Fuel	l	280	280	280	280	280	280	280	280	280	336	336	336	336	336	336
Hydraulic Oil	l	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105

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