

Vibratory plates



**WACKER
NEUSON**
all it takes!



These reasons speak for vibration plates from Wacker Neuson.

1. Uncompromising economic efficiency! With innovations for optimum compaction performance.

Great performance, low consumption. No element is too much. But it's full of ideas and technologies that make operation and work easier for you. You will only find this combination with the vibratory plates and vibratory trench rollers from Wacker Neuson.

2. Reliable operation! With the proven quality of the compaction specialists.

Unload. Switch on. Get started. And then straight to the next project. You can't afford to stop. That's why our vibration plates run reliably for as long as you need - supported by our first-class service.

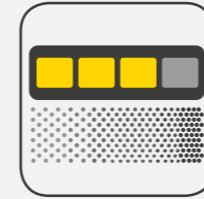
3. Your needs in focus! With the complete range of compactors.

The extensive product range of vibratory plates is not only perfectly matched to your different application areas, but is also exemplary in its maintenance. We would be happy to advise you which product and accessories are the right ones for your project - and help you with financing.

Wacker Neuson—all it takes!

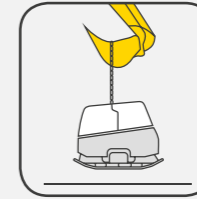
We offer products and services that meet your high demands and diverse applications. Wacker Neuson stands for reliability. Of course, this also applies to our wide range of vibration plates. We do our best every day to ensure your success. And we do this full of passion for our jobs.

Compaction expertise to the last detail.



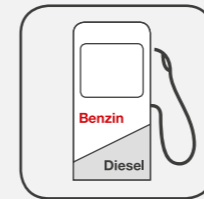
Pinpoint compaction

Compatec shows you when no further compaction is required with the respective unit. This prevents over-compaction and overload.



Transport in no time

Whether on the construction site or in the vehicle, sophisticated details make transporting the vibratory plates convenient and easy.



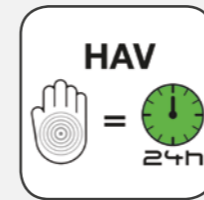
Diesel or gasoline drives

High power reserves and long service life characterize the engines of all models. Many models are optionally available with a gasoline or diesel-drive engines.



Remote-controlled operation

The models DPU80r, DPU110r and DPU130r can be operated conveniently and safely via infrared remote control. Read more on pages 13 and 15.



Low hand-arm vibrations

Low hand-arm vibrations (HAV) are essential, especially during long-time application. Almost all reversible vibratory plates from Wacker Neuson can be used without a time restriction, sometimes even without a documentation requirement.



Wacker Neuson has been awarded the ECO seal for particularly economical and environmentally friendly products, including the DPU130r vibration plate.

Overview of all vibratory plates.

Forward traveling:

AP1850e eco	VP1030	VP1135	VP1340	VP1550	VP2050
10 kN	10 kN	11 kN	13 kN	15 kN	20 kN
> Page 06		> Page 08			

Medium-weight and reversible:

DPU4045	DPU4545	DPU5545	DPU6555	DPU80
40 kN	45 kN	55 kN	65 kN	80 kN
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Heavy and reversible:

WP1540	WP1550	DPS1850	WPU1550	DPU2550	DPU3050	DPU3750
15 kN	15 kN	18 kN	15 kN	25 kN	30 kN	37 kN
	> Page 08			> Page 10		

Lightweight and reversible:

Heavy and remote-controlled:

DPU90	DPU110	DPU80r	DPU110r	DPU130r eco
90 kN	110 kN	80 kN	110 kN	130 kN
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The right solution for every type of application area and application area.



A good result for asphalt work thanks to the efficient sprinkler system.



The Compatec display for the models from 45 kN will provide you with information about the compaction progress



No familiarization period necessary: operation of the remote control is almost self-explanatory.



Minimal hand-arm vibrations for fatigue-free and comfortable working.



High productivity due to high compaction force in conjunction with fast forward and reverse motion.



The most lightweight, reversible vibratory plate convinces not only in gravelly sand beds: the WPU1550.



Remote controlled: the most powerful vibratory plate on the market: DPU130r.



Cable-free electrical: the AP1850e allows emission-free work with full freedom of movement.



Battery-operated vibration plate

The AP1850e is the world's only cable-free electric vibration plate. It works completely emission-free and is therefore suitable for many sensitive areas of application. It can do everything a normal vibration plate can do: compaction of soils, paving stones and - with optional water tank - asphalt compaction.

Emission-free vibration plates are ideal for:

- Areas where emissions can become dangerous, e.g. trenches, tunnels, interiors, etc.
- Construction projects with strict emission requirements, e.g. in city centres or for major public projects
- Small to medium-sized civil engineering sites - one battery charge per day is sufficient for typical operating times
- Construction sites with high emission levels for the operator, e.g. with many machines in confined spaces or high temperatures with little wind movement
- Water protection areas where the use of internal combustion engines is generally prohibited

Completely maintenance-free, as the electric motor is mounted directly on the base plate and therefore does not require a V-belt for power transmission.



Robust electric motor based on proven components

Sturdy protective frame for easy operation from the side

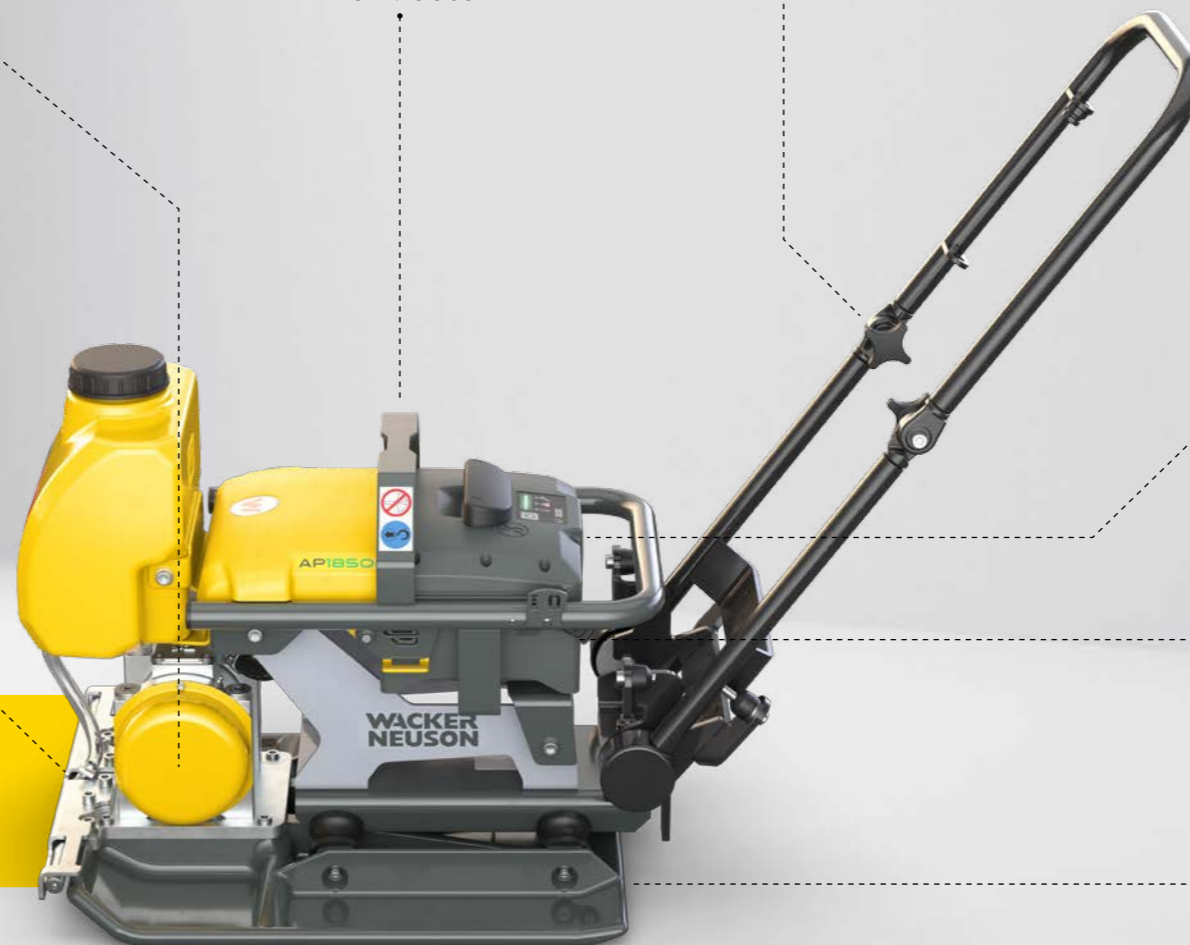
Guide handle can be folded down, thus more compact during transport

Optimum water distribution due to wide sprinkling bar

Powerful lithium-ion battery, can also be used on our battery-powered rammers thanks to a modular concept

Protected on/off switch for easy starting at the push of a button instead of a recoil starter

Rugged, durable base plate



AP1850e

Running time with one battery charge (min)¹ **At least 60**

Operating weight (kg) **107³/97⁴**

Compaction performance (m²/h)² **800**

¹ Running time with one battery charge is approximately the same as one workday.

² Depending on ground and environmental conditions

³ Operating weight with sprinkler set, half-full water tank and battery

⁴ Operating weight without sprinkler set, with battery

Battery power for every task: the powerful battery fits into our rammers as well as into the vibration plates and can be changed without tools in a few easy steps.



Connect and recharge: with standard charger in four hours (e.g. overnight), with optional quick charger in 80 minutes.



Clear operation: starter button and charge indicator.





Single-direction vibratory plates

Easy to maneuver and extremely mobile – with the small single direction vibratory plate, you will effortlessly reach any narrow spot.

	VP1030	VP1135	VP1340	VP1550	VP2050
Power output (kN)	10	11	13	15	20
Weight (kg)	50.8–51.2	60.5–63.7	80.7–84.5	90.8–94.6	93–99
Type of engine	Gasoline engine				

VP series:

- Optimum watering through maximum supply quantity, comfortably adjustable with a large voltage regulator
- At all times, sufficient water flow thanks to high-quality filter
- A full workday of long, comfortable working thanks to very good attenuation of the control handle (hand-arm vibration values below 5 m/s²)
- Easy access to the tank and optimum balance when loading by 90° turned lifting eye
- The narrowing control handle makes it ideal for working along walls: no sanding marks on the wall, more hands-free (from VP1340)
- Robust, durable cylindrical roller bearings
- Additional front handle facilitates transportation, e.g. by two people
- Ideal for asphalt compaction: A bent control handle provides stability in the case of lateral guide, e.g. on curbs
- All models available without water tank and sprinkler system



Convinces with all-round qualities for small areas and niches, mixed soil types as well as interlocking paving stones and asphalt.

Ideal for long-time application in asphalt and paving stone compaction, for processing top layers and subbases and can be adjusted to different ground conditions.



DPS series

- The versatile DPS1850 Vario: adjustable centrifugal force to adapt the compaction force to different soils and layer thicknesses
- Asphalt specialist DPS1850 asphalt: with a 11-liter water tank, sprinkler system and protective frame. Outfitting also available as an accessory for DPS1850 Basic and DPS1850 Vario

	DPS1850 Basic	DPS1850 Asphalt	DPS1850 Vario
Power output (kN)	18	18	18
Weight (kg)	114	139	116
Type of engine	Diesel engine		

Particularly efficient in asphalt compaction: The 11-liter water tank allows long uninterrupted work.

WP series

- Sturdy tubular frame provides complete protection and handles for transport and lateral operation. Lifting eye integrated
- The base plate is made of a very wear resistant material with a high surface quality for perfectly compacted asphalt
- 2 operating widths available (400 mm and 500 mm)
- High quality Honda gasoline engine
- All models available without and with 11-liter water tank and sprinkler system

	WP1540	WP1550
Power output (kN)	15	15
Weight (kg)	86–92	89–96
Type of engine	Gasoline engine	

High level of mobility on the construction site: thanks to the optional wheel set (from VP3040 and for all WP models).



Accessories for asphalt work: 9-liter water tank with sprinkler system.



Practical for asphalt work: equipment can be pulled, since the control handle can be swiveled to the front (only WP series).



Special Vario exciter allows variable adjustment of centrifugal forces, in order to adapt the compaction force individually to the ground - ideal also for the vibration of interlocking paving stones.





Lightweight reversible vibratory plates

More operating comfort due to the forward and reverse travel direction combined with a compact design – that is what the small reversible vibratory plates from Wacker Neuson offer you.

Economical solution thanks to the very convincing price-performance ratio.

WPU1550

- Smallest and most lightweight reversible vibratory plate from Wacker Neuson
- Solid steel pipe frame offers the possibility of lateral guidance as well as reliable protection of the engine and water tank
- Base plate made of high quality nodular cast iron: for easy turning on asphalt, without roughing it up
- Sturdy transport roller with a wide contact surface prevents tracks in fresh asphalt
- Sprinkler system for optimal water distribution across the entire width of the base plate

WPU1550	
Power output (kN)	15
Weight (kg)	90
Type of engine	Gasoline engine



DPU2540*

Power output (kN)	25
Weight (kg)	145–160
Type of engine	

DPU2550	DPU2560	DPU3050*	DPU3060*	DPU3070*	DPU3750*	DPU3760
25	25	30	30	30	37	37
166	171	181–206	190–215	195	247–265	274
Diesel engine						

* Models optionally also available with gasoline engine (BPU)

DPU series

- Handle-attenuation for fatigue-free and comfortable working (hand-arm vibrations under 5 m/s²)
- Electric starter is available as an option for the DPU3050, DPU3060, DPU3750 and DPU3760 models
- Extremely economical and durable due to break-proof, low-wear materials
- Fold-down and displaceable lifting eye
- Base plate made of wear resistant nodular cast iron guarantees a long service life

For the compaction of paths, trenches, in confined areas, for paving stones or maintenance work.



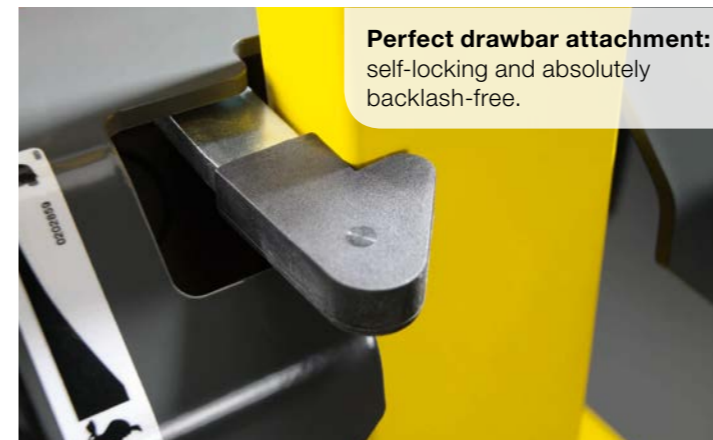
Widths from 40 to 70 cm available



Very easy to maneuver: thanks to the specially shaped base plate of the WPU1550.



Integrated wheel set: maintenance-free and sturdy – even in the toughest conditions.



Perfect drawbar attachment: self-locking and absolutely backlash-free.



Top-speed version: for the high compaction performance with paving stone laying.



Medium-weight reversible vibratory plates

For long-time application, you can rely on the extremely high compaction performance of the medium-weight reversible vibratory plates from Wacker Neuson. Hand-arm vibration (HAV) values far below the trigger value save the effort of documentation.

DPU series

- First-class compaction force
- Handle attenuation for fatigue-free and comfortable work
- Engines with high power reserves provide for a long service life
- Intelligent functions, such as low oil shutdown, self-adjusting V-belt, maintenance-free alternator
- Base plate made from wear resistant nodular cast iron
- Optional outfitting for electric starter models: Compatec, operating hour meter, extra-wide extension plates

For professional long-time application, the compaction of anti-frost layers and subbases in road and highway, path and parking lot construction, the vibration of heavy interlocking paving stones, thanks to the 69 Hz frequency as well as for the backfilling of buildings.



Widths from 40 to 86 cm available

All-rounder for all construction sites!



Time-tested and proven for all application areas in road and highway construction and civil engineering. Even vibrates heavy interlocking paving stones and reliably compacts very cohesive soils.

	DPU4045	DPU4545	DPU5545*	DPU6555
Power output (kN)	40	45	55	65
Weight (kg)	376	402-425	399-447	480-527
Type of engine	Diesel engine			

* Model optionally also available with gasoline engine (BPU)

No documentation requirement:

hand-arm vibrations (HAV) are below 2.5 m/s² thanks to the vibration-reduced drawbar.



Low hand-arm vibrations

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Unit operation without any time restrictions



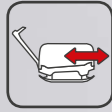
Without changing your grip: change the travel direction or travel speed by moving the handle.



Safe in every case: if the control handle is released, the unit only vibrates on the spot.



Compatec compaction display: it indicates when the maximum compaction has been achieved with the unit. Learn more at: www.wackerneuson.com/compatec



Heavy-weight reversible vibratory plates

With the DPU80, DPU90 and DPU110 models, we offer you a finely scaled selection within the range of heavy vibratory plates. So you always have exactly the compaction performance that you need. And independently, for whichever equipment you choose: in terms of operator friendliness, all models are equally convincing.



DPU80 DPU90 DPU110

Power output (kN)	80	90	110
Weight (kg)	756/771	756/771	813/830
Operating width (mm)	670/770	670/770	870/970

Better protection of the drawbar and hood when displaced by the 90 ° rotated Eyebolt

Water-cooled engine for significantly reduced noise emissions and a very efficient engine cooling.

Available as an option: machine protection (adjustable behavior in case of overload) or Compatec (includes machine protection)

Large air filter for long engine running times and maintenance intervals

Sturdy hood made of a tubular frame and steel plates, split and swiveling, durable as well as optimally designed for all maintenance work

Virtually vibration-free control handle allow working without time restriction - swiveling for intuitive directional changes and higher level of safety

Large, easily accessible fuel tank with visible fill level; sufficient for approx. 4 hours of continuous operation

Quick release of the drawbar by means of a foot lever and immediate return to the previous operating position: ideal for trench shoring

830 mm

Thanks to low height, particularly suitable for heavy, cohesive soils and in trench shoring – especially for long-time application.

Open base plate: easy to clean without the risk of damaging the hydraulic hoses

Large, easily accessible tie-downs and therefore less transport damage



Clearly arranged operator panel: electronic operating displays and configurations, e.g. for overload protection, anti-theft PIN as well as error memory.



Easily release the center pole lock via the pedal.



At a glance: the LED lights of the compaction control Compatec show you the degree of compaction.



Simply fold up the hood and all control and maintenance points are easily accessible.





Heavy-weight remote controlled vibratory plates

The DPU80r and DPU110r remote-controlled vibratory plates allow for safe work and sensitive control at all times.

DPU series: benefits at a glance

- No load from hand-arm vibration or exhaust fumes to the operator - thanks to the vibratory plate
- High level of safety: the equipment remains stationary if clear line of sight is lost
- Long engine running time and maintenance intervals due to large air filters
- Durable and optimum for all maintenance work: robust hood made of tubular frame and steel plates, bifurcated and swiveled
- Optimum for application in trench shoring due to low height
- Less transport damage due to large, easily accessible lashing lugs
- Easy cleaning without damage to hydraulic hoses, thanks to the open base plate
- Large, easily accessible fuel tank with a visible fill level, sufficient for about 4 hours of continuous operation
- Integrated machine protection, adjustable in case of overload: warning, reduction of rpm or shutdown

Innovative infrared remote control ensures high level of safety for operators and the environment. Therefore, the operator can stand safely outside the trench, protected from vibration, dust and noise.

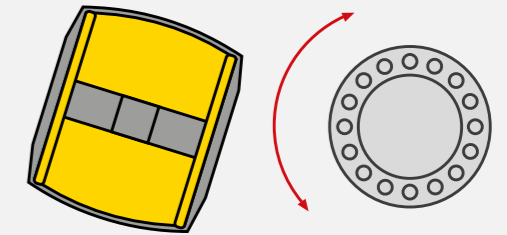


DPU80r DPU110r

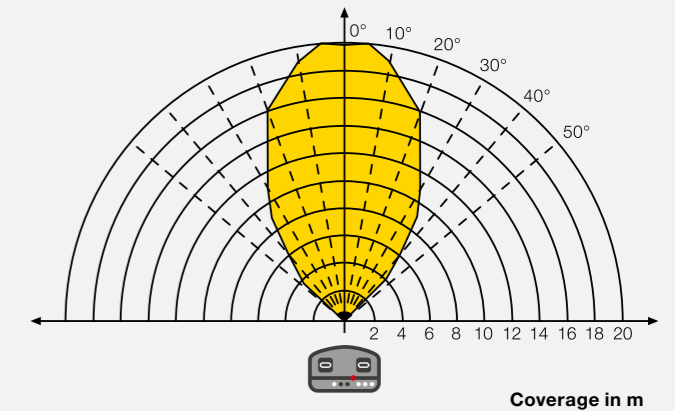
Power output (kN)	80	110
Weight (kg)	709/724	793/810
Operating width (mm)	670/770	870/970



Direction change with simultaneous travel:
for clean turning of curves and a high compaction performance.



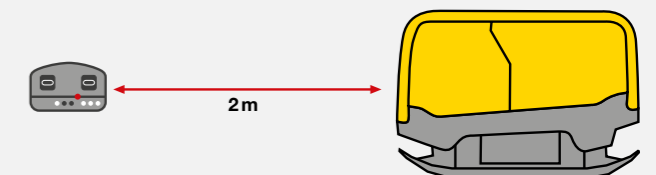
Far-reaching control:
a transmission field of up to 20 meters and an angle of 45° guarantee a high level of working comfort.



High level of safety:
it automatically stops if there is no clear line of sight between the operator and the compaction equipment.



Intelligent proximity recognition sensor:
the machine stops automatically when the minimum safety distance between the operator and machine is less than 2 m.



Remote control for high operating comfort and sensitive stepless control.



Full service accessibility with few handgrips.



The water-cooled engine is especially quiet in operation.





DPU130r

The DPU130r is the most powerful vibratory plate on the market and exceeds all expectations: its compaction performance approaches that of a 7-ton roller. Thanks to the remote control, you can also compact places with the DPU130r that are difficult to access.

DPU130r	
Power output (kN)	130
Weight (kg)	1,170
Operating width (mm)	1,202

A high level of safety due to infrared remote control with a proximity recognition sensor and automatic shutdown if the line of sight is lost

Offers a compaction performance like a 7-ton roller and can also be used in twisting and winding areas due to the high level of maneuverability.

Very simple maneuvering thanks to the unique, two-part base plate, e.g. along manhole covers and other obstacles



Overload sensor to protect against damage to the equipment

On-board computer for comfort functions, such as anti-theft protection or extensive diagnostic options

Large, easily accessible tie-downs and therefore easier securing and less transport damage

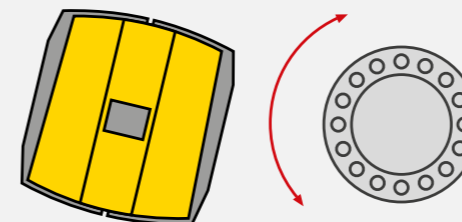
The best service access – simply fold open the cover.



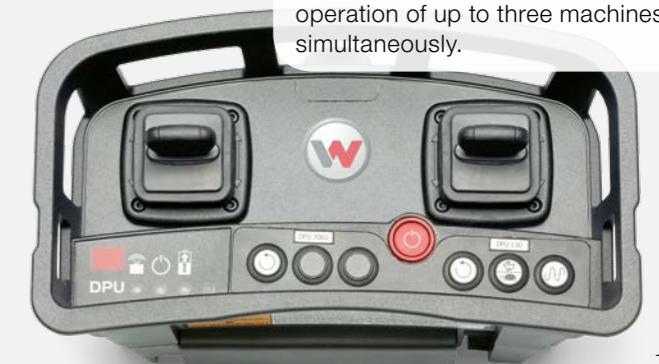
A low loader is not necessary: the DPU130r only weighs 1,200 kg and can be transported on a truck bed.



Excellent steering: stepless speed adjustment with simultaneous high reaction speed.



High level of safety: trouble-free operation of up to three machines simultaneously.



Accessories



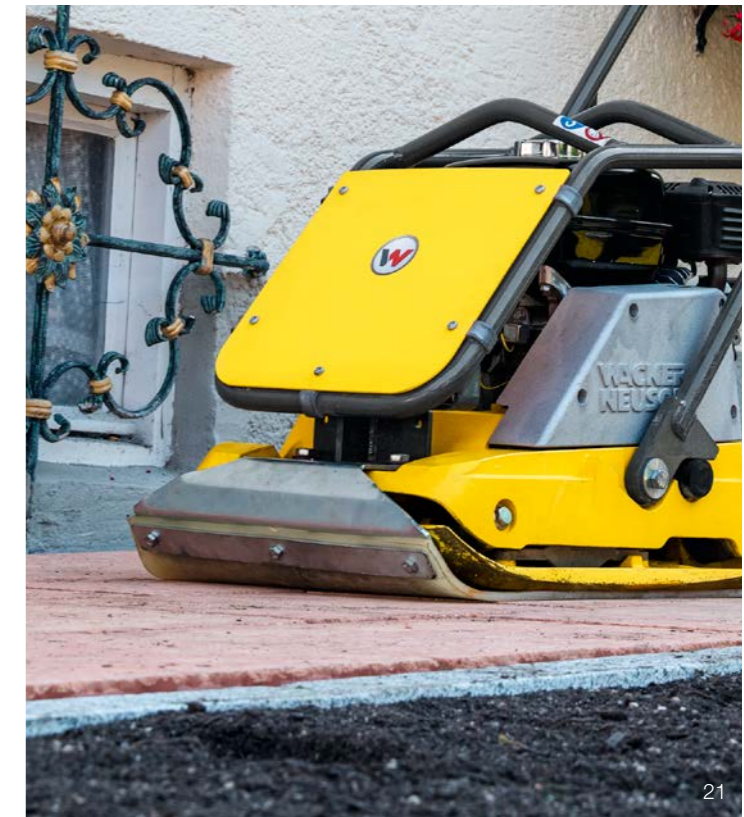
	Water tank (liters)	Transport device	Plate slider	Protective cage
AP1850e	○	○	○	-
AP1850we	○(9)	○	○	-
VP1030A	○(9)	-	○	-
VP1030Ex factory	●(9)	-	○	-
VP1135A	○(9)	○	○	-
VP1135Ex factory	●(9)	○	○	-
VP1340A	○(9)	○	○	-
VP1340Ex factory	●(9)	○	○	-
VP1550A	○(9)	○	○	-
VP1550Ex factory	●(9)	○	○	-
VP2050A	○(9)	○	○	-
VP2050Ex factory	●(9)	○	○	-
WP1540A	○(11)	○	○	-
WP1540Ex factory	●(11)	○	○	-
WP1550A	○(11)	○	○	-
WP1550Ex factory	●(11)	○	○	-
DPS1850H Asphalt	●(11)	○	○	●
DPS1850H Basic/Vario	○(11)	○	○	○
WPU1550A	○(12)	○	○	-
WPU1550Ex factory	●(12)	○	○	-

- Not available ○ available ● integrated



	Set of extension plates in various widths	Transport device	Plate slider
BPU2540A	-	●	○
DPU2540H	-	●	○
DPU2550H	-	●	○
DPU2560H/DPU2560Hts	-	●	○
BPU3050A	-	●	○
DPU3050H/DPU3050He	-	●	○
DPU3060H/DPU3060Hts	-	●	○
DPU3070H	-	●	○
DPU3750Hts/DPU3750Hets	-	●	○
DPU3760Hts/DPU3760Hets	-	●	○
DPU4045Ye	○	○	○
DPU4545H/DPU4545He/DPU4545Heap	○	○	○
BPU5545A	○	○	○
DPU5545H/DPU5545He/DPU5545Heap	○	○	○
DPU6555H/DPU6555He/DPU6555Hec	○	-	○
DPU80	-	-	-
DPU90	-	-	-
DPU110	-	-	-
DPU80r	-	-	-
DPU110r	-	-	-
DPU130r	-	-	-

- Not available ○ available ● integrated



Technical data of the vibratory plates

		AP1850e	VP1030	VP1135	VP1340	VP1550	VP2050	WP1540	WP1550	DPS1850 (Basic)	DPS1850 (Vario)	DPS1850 (Asphalt)	WPU1550
SPECIFICATION	UNIT												
Weight	kg	101	50.8–58.8'	60.5–68.5'	80.7–88.7'	90.8–98.8'	93–101'	86–92'	89–96'	114	116	139	89–96'
Centrifugal force	kN	18	10	11	13	15	20	15	15	18	18	18	15
Operating width	mm	500	313	355	405	505	505	430	498	500	500	500	498
Frequency	Hz	98	98	98	98	98	98	98	98	88	98	88	98
Engine		BP1000	Honda GX 120	Honda GX 120	Honda GX 160	Honda GX 160	Honda GX 160	Honda GX 160	Honda GX 160	Hatz 1 B 20	Hatz 1 B 20	Hatz 1 B 20	Honda GX 160
Electrical load rating at 3,600 rpm	kW	–	2.6	2.6	3.1	3.1	3.1	3.6	3.6	3.4	3.4	3.4	3.6

BPU- & DPU SERIES 25-37 KN

		BPU2540	DPU2540	DPU2550	DPU2560	BPU3050	DPU3050	DPU3060	DPU3070	BPU3750	DPU3750	DPU3760
SPECIFICATION	UNIT											
Weight	kg	145	160	166	171	181	206	190–215'	195	247	265	274
Centrifugal force	kN	25	25	25	25	30	30	30	30	37	37	37
Operating width	mm	400	400	500	600	500	500	600	700	500	500	600
Vertical clearance	mm	666	736	736	736	777	777	777	777	777	777	–
Frequency	Hz	90	90	90	90	90	90	90	90	90	90	90
Engine		Honda GX 160	Hatz 1 B 20	Hatz 1 B 20	Hatz 1 B 20	Hatz 1 B 30	Hatz 1 B 30	Hatz 1 B 30	Hatz 1 B 30	Hatz 1 B 30	Hatz 1 B 30	Hatz 1 B 30
Electrical load rating	kW	3.1 (at 2,840 rpm)	3.1 (at 2,800 rpm)	3.1 (at 2,800 rpm)	3.1 (at 2,800 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)
Options		–	–	–	Top Speed Version	–	Electric starter	Electric start, top speed version	–	–	Electric start, top speed version	Electric start, top speed version

BPU- & DPU SERIES 40–130 KN

		DPU4045	DPU4545	BPU5545	DPU5545	DPU6555	DPU80	DPU90	DPU110	DPU80r	DPU110r	DPU130r
SPECIFICATION	UNIT											
Weight	kg	376	402–425'	340	399–447'	480–527'	756–771'	756–771'	813–830'	709–724'	793–810'	1,170
Centrifugal force	kN	40	45	55	55	65	80	90	110	80	110	130
Operating width	mm	604	604	604	604/750	710 x 860	670/770	670/770	870/970	670/770	870/970	1,202
Vertical clearance	mm	764	790	725	790	861	830	830	830	830	830	996
Frequency	Hz	69	69	69	69	69	56	63	60	56	60	58
Engine		Yanmar L70N	Hatz 1 D 42S	Honda GX390	Hatz 1 D 42S	Hatz 1 D 81S	Kohler 702	Kohler 702	Kohler LDW 1003	Kohler LDW 702	Kohler LDW 1003	Kohler KDW 1404
Electrical load rating	kW	4.5 (at 3,000 rpm)	6.4 (at 2,850 rpm)	6.4 (at 2,600 rpm)	6.4 (at 2,850 rpm)	9.6 (at 2,800 rpm)	11 (at 3,600 rpm)	11.7 (at 3,600 rpm)	16 (at 3,600 rpm)	11 (at 3,600 rpm)	16 (at 3,600 rpm)	21 (at 2,700 rpm)
Options		Electric starter standard, operating hour meter	Compatec, operating hour meter	–	Electric starter, Compatec, operating hour meter, extra-wide extension plates	Electric starter, Compatec, operating hour meter, extra-wide extension plates, narrow protective cage	Overload protection, Compatec incl. overload protection; with electric start and operating hours meter as standard	Overload protection, Compatec incl. overload protection; with electric start and operating hours meter as standard	Overload protection, Compatec incl. overload protection; with electric start and operating hours meter as standard	Overload protection, Compatec incl. overload protection; with electric start and operating hours meter as standard	Overload protection, Compatec incl. overload protection; with electric start and operating hours meter as standard	Standard with electric starter, operating hour meter and overload protection

– not available

* Weight depends on the additional options selected

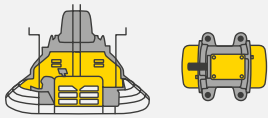
The Wacker Neuson product range includes over 300 different product series with different variants. The product data may vary accordingly with the selection of different options. However, not all Wacker Neuson products listed or shown here are available or allowed in all countries. The Wacker Neuson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

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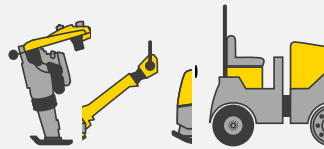
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Your everyday work day is full of challenges. We have the right solutions and help you to stay ahead of the competition. We offer you everything you need for this purpose: **Wacker Neuson—all it takes!**

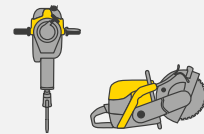
Products



Concrete technology



Compaction



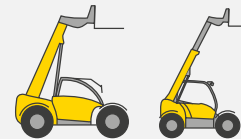
Demolition technology



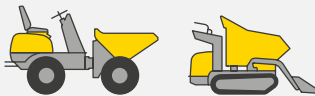
Excavators



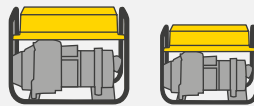
Wheel loaders



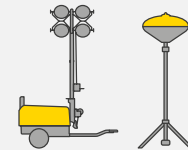
Telehandlers



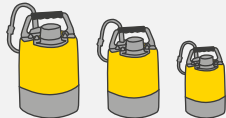
Dumpers



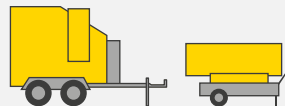
Generators



Lighting



Pumps



Heaters



Used equipment

Services



Financial solutions



Repair & maintenance



Academy



Rental



Telematics



The concrete specialists



E-Store

Genuine parts



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