

# Vibratory plates



**WACKER  
NEUSON**  
*all it takes!*



# These reasons speak for vibratory plates from Wacker Neuson.

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

Great performance, low consumption. No component is too much. We are, however, 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 time-tested and proven quality from the compaction specialists.

Unload. Switch on. Get started. And then straight to the next project. You cannot afford to stand still. That is why our vibratory plates run reliably for as long as you need them – supported by our first-class service.

## 3. Your needs in focus! With the complete selection of compaction equipment.

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 will be pleased to advise you about which product and accessory are right for your project – and we will help you with the financing as well.

### Wacker Neuson – all it takes!

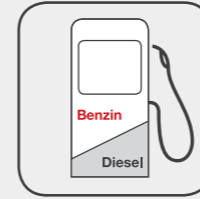
We offer products and services rendered that meet your high requirements and diverse applications. Wacker Neuson stands for reliability. This of course also applies to our large range of vibratory plates. We do our best every day to ensure your success. And we do this full of passion for our jobs.

# Compaction expertise to the last detail.



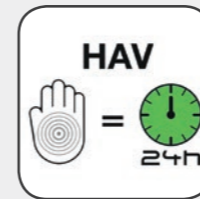
### Precise compaction

Compatec shows you when no further compaction is required with the respective unit. Over-compaction and overload are thus avoided.



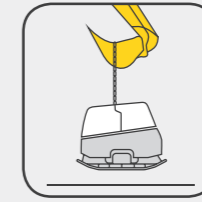
### Diesel or gasoline drives

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



### Low hand-arm vibrations (HAV)

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.



### Transport in no time

Whether on the construction site or on a vehicle: Sophisticated details make transporting the vibratory plates convenient and easy.



### Remote-controlled operation

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



Wacker Neuson distinguishes particularly economical and environmentally friendly products with the ECO seal, including the vibratory plate DPU130r.

# Overview of all vibratory plates.

## Single direction:



VP1030

10 kN



VP1135

11 kN



VP1340

13 kN



VP1550

15 kN



VP2050

20 kN



WP1540

15 kN

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## Lightweight and reversible:



WP1550

15 kN



DPS1850

18 kN



WPU1550

15 kN



DPU2550

25 kN



DPU3050

30 kN



DPU3750

37 kN

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## Medium-weight and reversible:



DPU4045

40 kN



DPU4545

45 kN



DPU5545

55 kN



DPU6555

65 kN

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## Heavy and reversible:



DPU80

80 kN

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## Heavy and remote-controlled:



DPU90

90 kN

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DPU110

110 kN



DPU80r

80 kN

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DPU110r

110 kN



DPU130r

130 kN

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## Single direction vibratory plates

Easy to maneuver and extremely mobile – with the small single direction vibratory plates, you will effortlessly reach every 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 water sprinkling through maximum supply quantity, comfortably adjustable with a large regulator
- At all times, sufficient water flow thanks to high-quality filter
- A full workday of long, comfortable working thanks to very good damping of the control handle (hand-arm vibration values below 5 m/s<sup>2</sup>)
- 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 abrasion marks on the wall, more hand freedom (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 guiding, e.g. along 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 base courses 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 cage. 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 highly 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.

	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
<b>Diesel engine</b>						

\* Models optionally also available with gasoline engine (BPU)

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



### WPU1550

- Smallest and most lightweight reversible vibratory plate from Wacker Neuson
- Solid steel tubular 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 roughening 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

### DPU series

- Handle damping for fatigue-free and comfortable working (hand-arm vibrations under 5 m/s<sup>2</sup>)
- 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



Widths from 40 to 70 cm available

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



**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 center pole fastening:** self-locking and absolutely free of play.



**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 damping 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.



	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)

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.

### No documentation requirement:

Hand-arm vibrations (HAV) are below 2.5 m/s<sup>2</sup> thanks to the vibration-reduced center pole.



Low hand-arm vibrations

=



Unit operation without any time restrictions



**Without changing your grip:** change travel direction or travel speed by reversing 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](http://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 center pole and hood** when relocating by the lifting point rotated by 90°

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

**Large air cleaner** for long engine running times and maintenance intervals

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

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

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

830 mm

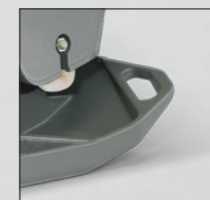
**Virtually vibration-free guide handle** allows working without time restriction – hinged for intuitive directional changes and higher level of safety

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

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

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

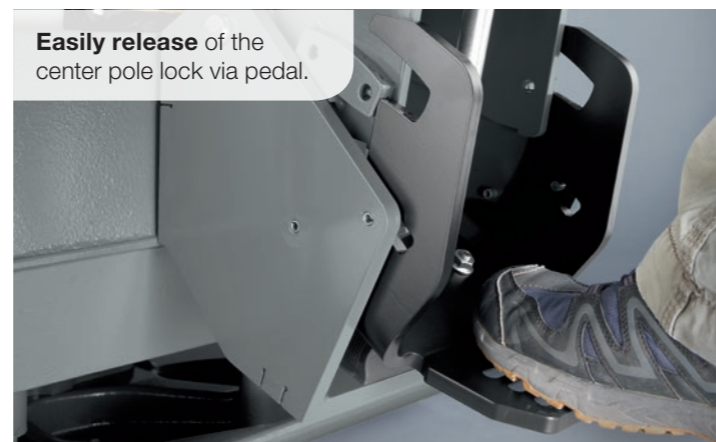
**Large, easily accessible tie-downs** and therefore less transport damage



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



**Easily release** of the center pole lock via pedal.



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



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





## Heavy 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 distance 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 cleaners
- Durable and optimum for all maintenance work: robust hood made of tubular frame and steel plates, split and hinged
- Optimum for application in trench shoring due to low height
- Less transport damage due to large, easily accessible tie-downs
- 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 behaviour in case of overload: Warning indicator, reduction of engine speed or shutdown

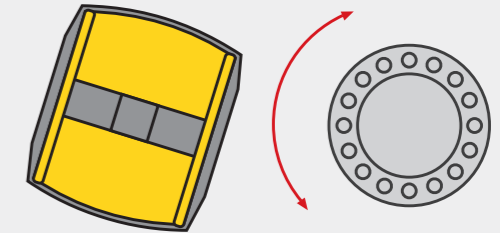
Innovative infrared remote control ensures high level of safety for operators and the environment. Therefore, the operator can stand safely outside the trench, protected from vibration, dust and noise.



	DPU80r	DPU110r
Power output (kN)	80	110
Weight (kg)	709/724	793/810
Operating width (mm)	670/770	870/970

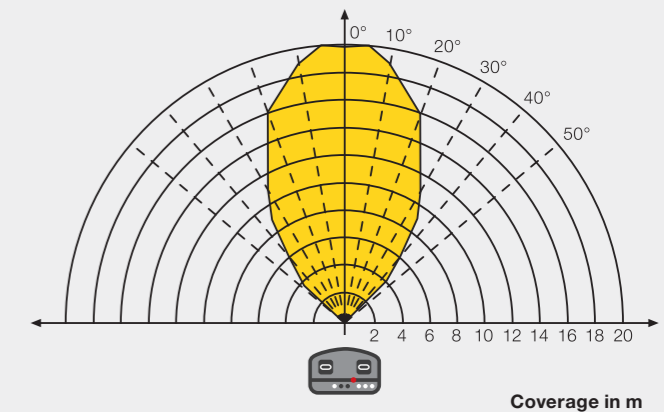


**Direction change with simultaneous travel:**  
for clean turning of curves and a high compaction performance.



### 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.



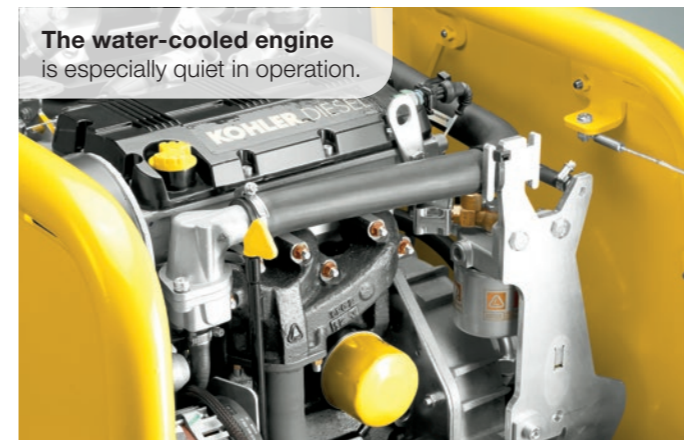
**Remote control** for high operating comfort and sensitive stepless control.



**Full service accessibility** in a few simple steps.

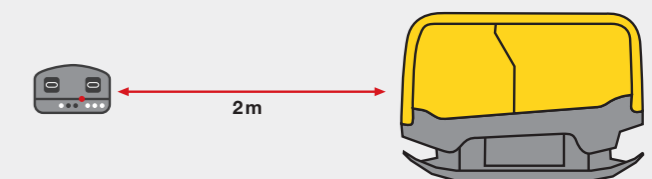


**The water-cooled engine** is especially quiet in operation.



### Intelligent proximity recognition sensor:

The machine stops automatically when the minimum safety distance between the operator and machine is less than 2 m.





# 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 infra-red 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

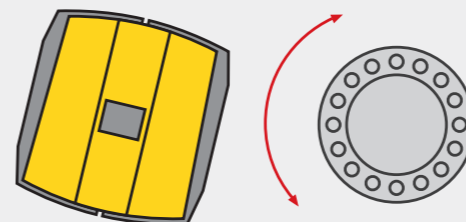
**The best service access** – simply fold back the cover.



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



**Excellent steering:** infinitely variable speed adjustment with simultaneous high reaction speed.



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





# The right solution for every type of ground and application area.

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



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



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



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



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



	Water tank (liters)	Transport device	Paving pad	Protective cage
<b>VP1030A</b>	○ (9)	-	○	-
<b>VP1030Aw</b>	● (9)	-	○	-
<b>VP1135A</b>	○ (9)	○	○	-
<b>VP1135Aw</b>	● (9)	○	○	-
<b>VP1340A</b>	○ (9)	○	○	-
<b>VP1340Aw</b>	● (9)	○	○	-
<b>VP1550A</b>	○ (9)	○	○	-
<b>VP1550Aw</b>	● (9)	○	○	-
<b>VP2050A</b>	○ (9)	○	○	-
<b>VP2050Aw</b>	● (9)	○	○	-
<b>WP1540A</b>	○ (11)	○	○	-
<b>WP1540Aw</b>	● (11)	○	○	-
<b>WP1550A</b>	○ (11)	○	○	-
<b>WP1550Aw</b>	● (11)	○	○	-
<b>DPS1850H Asphalt</b>	● (11)	○	○	●
<b>DPS1850H Basic/Vario</b>	○ (11)	○	○	○
<b>WPU1550A</b>	○ (12)	○	○	-
<b>WPU1550Aw</b>	● (12)	○	○	-



	Set of extension plates in various widths	Transport device	Paving pad
<b>BPU2540A</b>	-	●	○
<b>DPU2540H</b>	-	●	○
<b>DPU2550H</b>	-	●	○
<b>DPU2560H/DPU2560Hts</b>	-	●	○
<b>BPU3050A</b>	-	●	○
<b>DPU3050H/DPU3050He</b>	-	●	○
<b>DPU3060H/DPU3060Hts</b>	-	●	○
<b>DPU3070H</b>	-	●	○
<b>DPU3750Hts/DPU3750Hets</b>	-	●	○
<b>DPU3760Hts/DPU3760Hets</b>	-	●	○
<b>DPU4045Ve</b>	○	○	○
<b>DPU4545H/DPU4545He/DPU4545Heap</b>	○	○	○
<b>BPU5545A</b>	○	○	○
<b>DPU5545H/DPU5545He/DPU5545Heap</b>	○	○	○
<b>DPU6555H/DPU6555He/DPU6555Hec</b>	○	-	○
<b>DPU80</b>	-	-	-
<b>DPU90</b>	-	-	-
<b>DPU110</b>	-	-	-
<b>DPU80r</b>	-	-	-
<b>DPU110r</b>	-	-	-
<b>DPU130r</b>	-	-	-

- not available ○ available ● integrated

# Technical data of the vibratory plates

VP SERIES			VP1030	VP1135	VP1340	VP1550	VP2050	WP SERIES	WP1540	WP1550	DPS SERIES	DPS1850 (Basic)	DPS1850 (Vario)	DPS1850 (Asphalt)	WPU SERIES	WPU1550
			10 kN	11 kN	13 kN	15 kN	20 kN		15 kN			18 kN				15 kN
SPECIFICATION		UNIT														
Weight	kg		50.8–51.2'	60.5–63.7'	80.7–84.5'	90.8–94.6'	93–99'		86–92'	89–96'		114	116	139		89–96'
Centrifugal force	kN		10	11	13	15	20		15	15		18	18	18		15
Operating width	mm		322	355	386	386	500		430	498		500	500	500		498
Frequency	Hz		98	98	98	98	98		98	98		88	98	88		98
Engine			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
Rated power at 3,600 rpm	kW		2.6	2.6	3.6	3.6	4.8		3.6	3.6		3.4	3.4	3.4		3.6

BPU & DPU SERIES 25, 30, 37 KN			BPU2540	DPU2540	DPU2550	DPU2560	BPU3050	DPU3050	DPU3060	DPU3070	BPU3750	DPU3750	DPU3760
			25 kN				30 kN				37 kN		
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
Rated power	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 starter, Top-speed version	–	–	Electric starter, Top-speed version	Electric starter, Top-speed version

BPU- & DPU SERIES 40–130 KN			DPU4045	DPU4545	BPU5545	DPU5545	DPU6555	DPU80	DPU90	DPU110	DPU80r	DPU110r	DPU130r
			40 kN	45 kN	55 kN	65 kN	65 kN	80 kN	90 kN	110 kN	80 kN	110 kN	130 kN
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
Rated power	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 including overload protection; standard with electric starter and operating hour meter	Overload protection, Compatec including overload protection; standard with electric starter and operating hour meter	Overload protection, Compatec including overload protection; standard with electric starter and operating hour meter	Overload protection, Compatec including overload protection; standard with electric starter and operating hour meter	Overload protection, Compatec including overload protection; standard with electric starter and operating hour meter	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 will be happy to give you a specific offer upon request!

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Your everyday work 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:

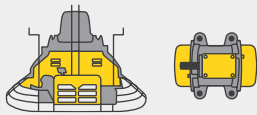
**Wacker Neuson – all it takes!**



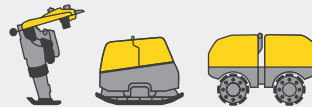
**WACKER  
NEUSON**

*all it takes!*

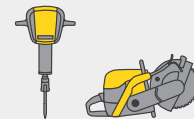
Products



Concrete technology



Compaction



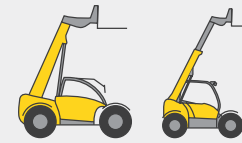
Demolition technology



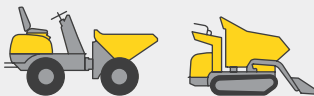
Excavators



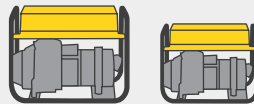
Wheel loaders



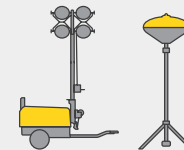
Telehandlers



Dumpers



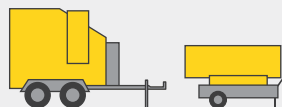
Generators



Lighting



Pumps



Heaters



Used equipment

Services rendered



Financing



Repair & maintenance



Academy



Rental



Telematics



The concrete specialists



E-store

Spare parts



[www.wackerneuson.com](http://www.wackerneuson.com)



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