

Vibratory plates and vibratory trench rollers



**WACKER
NEUSON**



These reasons speak for compaction equipment from Wacker Neuson.

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

Great performance, low consumption. No component is too many. To this end, we are 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. Turn on. Get started. And then straight to the next project. You cannot afford to stand still. That is why our vibratory plates and vibratory trench rollers run reliably for as long as you need them – supported by our first-class service.

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

The extensive product range of vibratory plates and vibratory trench rollers is not only perfectly matched to your different application areas, but is also exemplary in its maintenance. We are happy to advise you about which product and accessory is the right one for your project – and we will help you with the financing as well.

All compaction equipment in an overview.



WP1030

10 kN



WP1235

12 kN

> Page 04



WPP1550

15 kN



WPU1550

15 kN

> Page 06



DPS1850

18 kN

> Page 05



DPU4045

40 kN



DPU4545

45 kN

> Page 09



DPU5545

55 kN



DPU6555

65 kN

> Page 09



DPU7060

70 kN

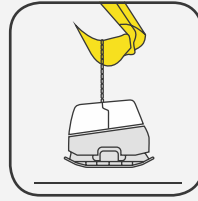
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Compaction expertise to the last detail.



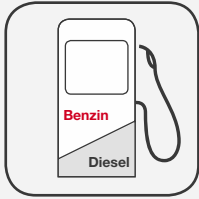
Pinpoint compaction

With Compatec, you are shown when the ground is sufficiently compacted. Overcompaction and overload are therefore avoided in this way.



Transport in no time

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



Diesel or gasoline drives

High power reserves and a long service life characterize the engines of all of the models – and optionally as a gasoline or diesel drive.



Integrated user comfort

All of the Wacker Neuson models can be easily operated for particularly comfortable work.



Low hand-arm vibrations

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



Wacker Neuson distinguishes particularly economical and environmentally-friendly products with the ECO seal, including the vibratory plate DPU 130.



WP2050

20 kN
> Page 04



DPU2550

25 kN



DPU3050

30 kN
> Page 07



DPU3750

37 kN



DPU100-70

100 kN
> Page 10



DPU100-70

double + triple coupling set
> Page 11



DPU130

130 kN
> Page 12



RTSC2

68.2 kN
> Page 14



Small single direction vibratory plates.

Easy to maneuver and extremely mobile – with the small single direction vibratory plates, you will effortlessly reach any confined space.

For small areas and niches, mixed soils and interlocking paving stones, asphalt, paving stones as well as soil compaction.



WP series

- Maneuverable due to specially shaped base plate, control handle and frame
- Protected V-belt drive system and base plate made of wear resistant nodular cast iron
- Three recessed grips and fold-down control handle for easy transport
- Optional: Water tank with sprinkler system

| | WP1030 | WP1235 | WP1540 | WP1550 | WP2050 | WPP1540 | WPP1550 |
|-------------|-----------------|--------|--------|--------|--------|---------|---------|
| Performance | 10 kN | 12 kN | 15 kN | 15 kN | 20 kN | 15 kN | 15 kN |
| Weight | 50 kg | 60 kg | 75 kg | 85 kg | 100 kg | 81 kg | 86 kg |
| Engine type | Gasoline engine | | | | | | |

Accurate work: one of the strengths of our small vibratory plates.



Easy transport: The control handle can be folded forward.



| | DPS1850 Basic | DPS1850 Asphalt | DPS1850 Vario |
|-------------|----------------------|--------------------|------------------|
| Performance | 18 kN | 18 kN | 18 kN |
| Weight | 110 kg | 128 kg | 108 kg |
| Engine type | Diesel engine | | |

DPS series

- Adjustable centrifugal force for the compaction of soils of different layer heights (with DPS 1850 Vario)
- Model version available with water tank and water sprinkler system for asphalt compaction
- Base plate made from wear resistant nodular cast iron
- Maintenance-free and tough exciter bearings

Ideal for long-time application

in small areas, for asphalt, paving stones as well as soil compaction and road building.



For the compaction of soil, asphalt and paving stones, for processing surface layers and subbases and can be adapted to a variety of soil conditions.

WPP series

- High level of stability, even with lateral operation, due to the handles on the frame
- 2 operating widths available (400 mm and 500 mm)
- Integrated transport roller
- Optional: Water tank with sprinkler system

Accessories for asphalt work: Water tank with sprinkler system.



Transport roller of the WPP series: Offers unrestricted mobility without leaving behind tracks in the fresh asphalt.





Small reversible vibratory plates.

A higher compaction performance through the forward and reverse travel direction combined with a compact design – that is what the small reversible vibratory plates from Wacker Neuson offer you.

WPU1550

| | |
|-------------|------------------------|
| Performance | 15 kN |
| Weight | 96–100 kg |
| Engine type | Gasoline engine |

Especially for the compaction of asphalt as well as gravelly sand bedding for foot paths, streets, parking lots and in gardening and landscaping.



WPU1550

- Smallest reversible vibratory plate from Wacker Neuson
- Base plate made from wear resistant 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

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



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



| | DPU2540 | DPU2550 | DPU2560 | DPU3050 |
|-------------|----------------------------------|---------|---------|------------|
| Performance | 25 kN | 25 kN | 25 kN | 30 kN |
| Weight | 145–160 kg | 166 kg | 171 kg | 166–206 kg |
| Engine type | either gasoline or diesel engine | | | |

| | DPU3060 | DPU3070 | DPU3750 | DPU3760 |
|-------------|----------------------------------|---------|------------|------------|
| Performance | 30 kN | 30 kN | 37 kN | 37 kN |
| Weight | 190–215 kg | 160 kg | 240–265 kg | 256–274 kg |
| Engine type | either gasoline or diesel engine | | | |

DPU series

- Handle damping for fatigue-free and comfortable work
- Recoil or electric starter depending on the engine version
- Extremely economical and durable due to break-proof, low-wear materials
- Fold-down and displaceable lifting eye



Widths from 40 to 70 cm available

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



Top speed version: for the best compaction performance with sett paving (paving stone) applications.





Medium-sized reversible vibratory plates.

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

Very low hand-arm vibration (HAV) thanks to vibration-reduced center pole

For use on large construction sites, the compaction of frost-resistant layers and subbases in road and highway, path and parking lot construction, the vibration of heavy interlocking paving stones thanks to the frequency 69 Hz as well as for the backfilling of buildings.



Widths from 40 to 86 cm available

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
- Extra wide extension plates with operating width of 860 mm (only DPU 6555)



No documentation obligation for equipment with this sign, since the hand-arm vibrations are below 2.5 m/s².



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

| | DPU4045 | DPU4545 | DPU5545 | DPU6555 |
|-------------|----------------------------------|------------|------------|---------------|
| Performance | 40 kN | 45 kN | 55 kN | 65 kN |
| Weight | 322–368 kg | 394–419 kg | 391–439 kg | 464–510 kg |
| Engine type | either gasoline or diesel engine | | | Diesel engine |

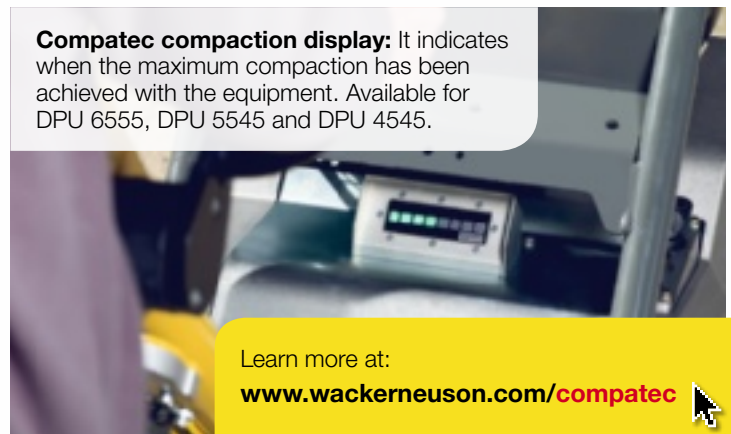
Extra-wide protective frame as a standard



For professional long-time application in harsh everyday construction site work, the vibration of heavy interlocking paving stones thanks to the frequency 69 Hz, even compacts very cohesive soil reliably.



Safe in every case: If the control handle is released, the equipment only moves on the spot.



Compacec compaction display: It indicates when the maximum compaction has been achieved with the equipment. Available for DPU 6555, DPU 5545 and DPU 4545.

Learn more at:

www.wackerneuson.com/compacec



Large reversible vibratory plates.

The DPU 100-70 is just as convincing in large spaces as it is for detailed work, e.g. around bridge piers.

On coarse gravel, the performance can even be multiplied – with the double or triple coupling set.

DPU100-70

- Powerful engine with reliable cyclone prefilter
- Variable regulation of the speed for precise work in border areas – no finishing with smaller equipment necessary
- Spot compaction at the touch of a button for precise compaction
- Creep speed to gently drive over hard surfaces
- 2 operating widths possible (700 mm and 880 mm)

Hand-arm
vibrations
below 2.5 m/s^2

Enormous compaction depth
in large areas as well as precise
work along obstacles.



Precisely controllable: thanks to the infinitely adjustable travel speed at the touch of a push button.

Simple change of direction: directly via the guide handle.



| | DPU100-70 | Double coupling set | Triple coupling set |
|-------------|---------------|---------------------|---------------------|
| Performance | 100 kN | 200 kN | 300 kN |
| Weight | 768 kg | 1,540 kg | 2,310 kg |
| Engine type | Diesel engine | | |



For the compaction of coarse gravel, for example in track construction, and in structurally critical construction phases.

DPU100-70 double coupling set or triple coupling set

- Practical coupling of two or three DPU 100-70 to create one coupling set
- No hand-arm vibrations (HAV) thanks to the remote control
- Coupling of the equipment in a few simple steps and without prior technical knowledge



Clearly superior compared to rollers: enormous operating width and compaction force with a comparatively low weight.



Comfortable work: away from dust and exhaust emissions.



Remote controlled vibratory plates.

Using the remote control, you can also compact difficult to access places with vibratory plates.



Covers many application areas of a 7-ton-roller and offers higher performance with deep compaction.

DPU130

- Most powerful vibratory plate on the market
- Unique, two-piece base plate for very simple maneuvering
- High level of safety through infrared remote control with proximity (nearness) recognition sensor and automatic shutdown if visual contact is lost
- On-board computer for convenient features, such as theft protection or extensive diagnostic options
- Overload sensor to protect against damaging the equipment
- Easy transport on the loading platform of a small truck

High level of productivity: The DPU 130 has a compaction width of 120 cm.



More powerful than a 7-ton roller: the DPU 130.



| | DPU130 | DPU7060 |
|-------------|---------------|---------|
| Performance | 130 kN | 70 kN |
| Weight | 1,185 kg | 623 kg |
| Engine type | Diesel engine | |



Thanks to the compact design, it is ideal for working in sheeting and bracings as well as around shafts and in trenches.

DPU7060

- Low working height: Minimum 70 cm
- With electric starter and automatic low oil shutoff
- Safety through the infrared remote control with proximity (nearness) recognition sensor and automatic shutdown when visual contact is lost
- Infrared receiver eye that can be lowered
- Efficient V-belt technology for a permanently constant degree of efficiency
- Automatic idle control if the operator releases the joystick of the remote control
- Optional: Cruise control

The best access:

Simply swing open the DPU 130 cover.



A low loader is not necessary: it is possible to transport it on a truck loading platform.





Remote controlled vibratory trench rollers.

Maneuver easily, work safely: Thanks to the articulated joint and the operation via remote control, you will achieve your compaction objective more quickly with the trench roller in any ground conditions.

| | RT82 | RTX |
|-------------|---------------|----------|
| Performance | 1,497 kg | 1,560 kg |
| Weight | 34–68 kN | 34–68 kN |
| Engine type | Diesel engine | |

Ideal for **earthwork** in trench applications, e.g. for supply lines

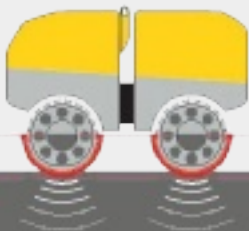


RT82 and RTX

- Easy to maneuver, thanks to the articulated joint technology
- Adjustable compaction performance (from 34 kN to 68 kN)
- Very high compaction performance through exciters, which are below the axle
- With fixed (82 cm) or variable drum width (56–82 cm)
- High level of safety due to infrared remote control with proximity (nearness) recognition sensor and automatic shutdown if visual contact is lost
- Easily accessible machine components
- Diagnostic LED display to monitor various engine functions

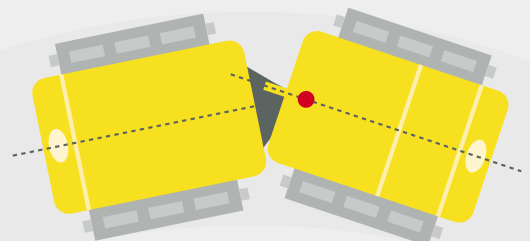
Specifically placed:

Due to the low position below the middle axle of the drums, the centrifugal forces are transferred directly into the ground: for a high compaction performance.



Articulated joint technology:

for easy maneuvering.





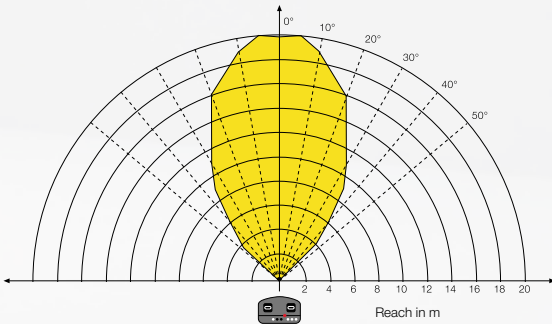
Infrared remote control for vibratory plates and vibratory trench rollers.

The remote control allows you to work comfortably and safely: Due to the distance to the compaction equipment, the operator is not exposed to any mechanical loads, such as hand-arm vibrations (HAV).

Dust, exhaust fumes and noise emissions also do not stress the operator. And the infrared remote control with a proximity (nearness) recognition sensor automatically switches the equipment off if visual contact is lost.

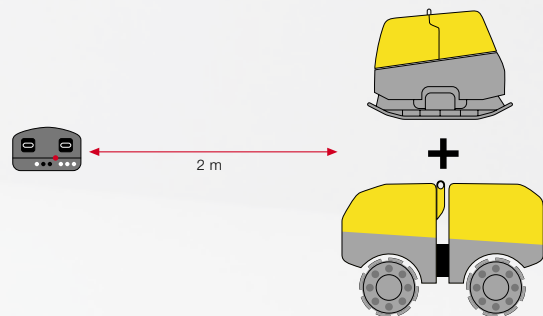
Far-reaching control:

A transmission field of up to 20 meters at an angle of 45 degrees guarantees a high level of working comfort.



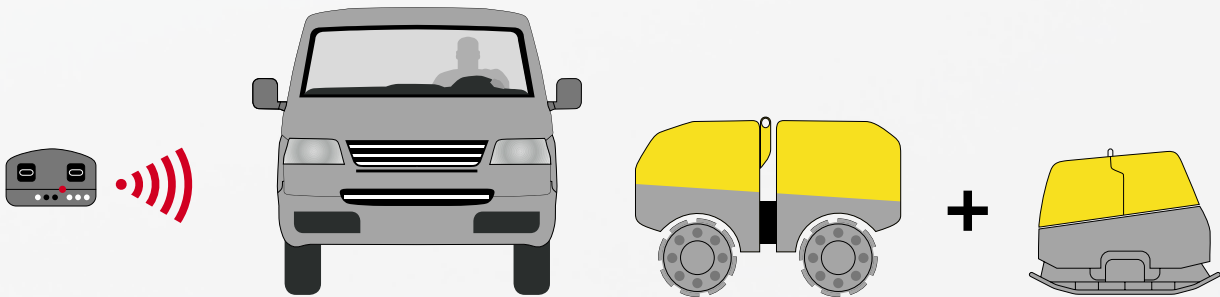
Intelligent proximity recognition sensor:

The machine stops automatically at a minimum safety distance between the operator and machine of less than two meters.



High safety levels:

It stops moving if there is no clear line of sight between the operator and the compaction equipment.



Change drum width:
done in a few simple steps
with the RTx.



The right solution for every type of ground and field of application.

Runs smoothly: Trench roller with articulated joint technology.



Wide compaction performance: Up to three DPU 100 can be coupled.



Good result: with asphalt work, thanks to efficient sprinkler system.



Remote controlled: the most powerful vibratory plate on the market: DPU 130.



High level of maneuverability: for precise work:





ACCESSORIES FOR VIBRATORY PLATES

| | Water tank (l) | Protective frame | Transport device | Paving pad |
|----------------------|-----------------|------------------|------------------|------------|
| WP1530A | ●(8) | - | - | ● |
| WP1535A | ●(8) | - | ● | ● |
| WP1540A | ●(9) | - | ● | ● |
| WP1540W | ●(9) | - | ● | ● |
| WP1550A | ●(9) | - | ● | ● |
| WP1550W | ●(9) | - | ● | ● |
| WP2050A | ●(9) | - | integrated | ● |
| WP2050W | ●(9) | - | integrated | ● |
| WPP1540A | ●(8) | - | integrated | ● |
| WPP1540Aw | integrated (8) | - | integrated | ● |
| WPP1540W | ●(8) | - | integrated | ● |
| WPP1540Ww | integrated (8) | - | integrated | ● |
| WPP1550A | ●(9) | - | integrated | ● |
| WPP1550Aw | integrated (9) | - | integrated | ● |
| WPP1550W | ●(9) | - | integrated | ● |
| WPP1550Ww | integrated (9) | - | integrated | ● |
| WPP1550A | ●(9) | - | integrated | ● |
| WPU1550A | ●(12) | - | integrated | ● |
| WPU1550Aw | integrated (12) | - | integrated | ● |
| DPS1850H Asphalt | integrated (11) | - | ● | ● |
| DPS1850H Basic/Vario | ●(11) | ● | ● | ● |



ACCESSORIES FOR VIBRATORY PLATES

| | Water tank (l) | Set of extension plates in various widths | Transport device | Paving pad |
|------------------------------------|----------------|---|------------------|------------|
| BPU2540A | - | - | integrated | ● |
| DPU2540H | - | - | integrated | ● |
| DPU2550H | - | - | integrated | ● |
| DPU2560H / DPU2560Hts | - | - | integrated | ● |
| BPU3050A | - | - | integrated | ● |
| DPU3050H / DPU3050He | - | - | integrated | ● |
| DPU3060H / DPU3060Hts | - | - | integrated | ● |
| DPU3070H | - | - | integrated | ● |
| DPU3750Hts / DPU3750Hets | - | - | integrated | ● |
| DPU3760Hts / DPU3760Hets | - | - | integrated | ● |
| BPU4045A | - | ● | ● | ● |
| BPU5545A | - | ● | ● | ● |
| DPU4045Ye | - | ● | ● | ● |
| DPU4545H / DPU4545He / DPU4545Heap | - | ● | ● | ● |
| DPU5545H / DPU5545He / DPU5545Heap | - | ● | ● | ● |
| DPU6555H / DPU6555He / DPU6555Hec | - | ● | - | ● |
| DPU7060Fe / DPU7060Fet | - | ● | - | ● |
| DPU100-70Les | - | ● | - | - |
| DPU130 | - | - | - | - |

- not available ● available

Technical data of vibratory plates.

| WP SERIES | | | WP1030 | WP1235 | WP1540 | WP1550 | WP2050 |
|--------------------------|---------------|------|--------------|--------------|---|---|---|
| | SPECIFICATION | UNIT | | | | | |
| Operating weight: | kg | | 50 | 60 | 75 | 85 | 100 |
| Centrifugal force | kN | | 10 | 12 | 15 | 15 | 20 |
| Operating width | mm | | 300 | 350 | 400 | 500 | 500 |
| Vertical clearance | mm | | 629 | 606 | 632 | 632 | 632 |
| Frequency | Hz | | 98 | 98 | 98 | 98 | 98 |
| Engine | | | Honda GX 100 | Honda GX 120 | Honda GX 160/ Wacker Neuson WM170 | Honda GX 160/ Wacker Neuson WM170 | Honda GX 160/ Wacker Neuson WM170 |
| Rated power at 3,600 rpm | kW | | 2.1 | 2.6 | 3.6/3.7 | 3.6/3.7 | 3.6/3.7 |

| BPU- & DPU SERIES 25, 30, 37 kN | | | BPU2540 | DPU2540 | DPU2550 | DPU2560 |
|-----------------------------------|---------------|------|--------------------|--------------------|--------------------|--------------------|
| | SPECIFICATION | UNIT | 25 kN | | | |
| Operating weight: | kg | | 145 | 160 | 166 | 171 |
| Centrifugal force | kN | | 25 | 25 | 25 | 25 |
| Operating width | mm | | 400 | 400 | 500 | 600 |
| Vertical clearance | mm | | 666 | 736 | 736 | 736 |
| Frequency | Hz | | 90 | 90 | 90 | 90 |
| Engine | | | Honda GX 160 | Hatz 1 B 20 | Hatz 1 B 20 | Hatz 1 B 20 |
| Rated performance | 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) |
| Electric starter option available | | | - | - | - | - |

| BPU- & DPU SERIES 40, 45, 55 kN | | | DPU4045 | DPU4545 | BPU5545 | DPU5545 |
|-----------------------------------|---------------|------|--------------------|--------------------|--------------------|--------------------------------|
| | SPECIFICATION | UNIT | 40 kN | 45 kN | 55 kN | |
| Operating weight: | kg | | 376 | 402-423* | 340 | 399-447* |
| Centrifugal force | kN | | 40 | 55 | 45 | 55 |
| Operating width | mm | | 600 | 600 | 600 | 600 |
| Vertical clearance | mm | | 764 | 790 | 764 | 790 |
| Frequency | Hz | | 69 | 69 | 69 | 69 |
| Engine | | | Yanmar L70N | - | Honda GX390 | Hatz 1 D 42S |
| Rated performance | 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) |
| Electric starter option available | | | standard | ● | - | Yes 424 He/447 Heap/426 Hec |

| VIBRATORY TRENCH ROLLERS | | | RT82 | RTX |
|--------------------------|---------------|------|-----------------|---------------------|
| | SPECIFICATION | UNIT | | |
| Operating weight: | kg | | 1,497 | 1,560 |
| Centrifugal force | kN | | 34.2 | 34.2 |
| Dimensions (L x W x H) | mm | | 1,855x820x1,230 | 1,855x560/820x1,230 |
| Drum diameter mm | mm | | 520 | 520 |
| Drum width | mm | | 820 | 820 |
| Frequency | Hz | | 41.7 | 41.7 |
| Turning radius (inside) | mm | | 1,600 | 1,600 |
| Engine manufacturer | | | Kohler | Kohler |

- not available

● available

* Weight depends on the additional options selected

| WPP SERIES | WPP1540 | WPP1550 | DPS SERIES | DPS1850 | DPS1850 | DPS1850 | WPU SERIES | WPU1550 |
|------------|--|--|------------|-------------|-------------|-------------|------------|-------------|
| | | | | Basic | Vario | Asphalt | | |
| | 81 | 86 | | 111 | 112 | 128 | | 90 |
| | 15 | 15 | | 18 | | 18 | | 15 |
| | 400 | 500 | | 500 | 500 | 500 | | 500 |
| | 547 | 547 | | 838 | 838 | 650 | | 556 |
| | 98 | 98 | | 90 | 98 | 90 | | 98 |
| | Honda GX160/ Wacker Neuson WM170 | Honda GX160/ Wacker Neuson WM170 | | Hatz 1 B 20 | Hatz 1 B 20 | Hatz 1 B 20 | | Honda GX160 |
| | 3.6/3.7 | 3.6/3.7 | | 3.4 | 3.4 | 3.4 | | 3.6 |

| BPU3050 | DPU3050 | DPU3060 | DPU3070 | BPU3750 | DPU3750 | DPU3760 |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 30 kN | | | | 37 kN | | |
| 166 | 181–206* | 190–215* | 195 | 240 | – | – |
| 30 | 30 | 30 | 30 | 37 | 37 | 37 |
| 500 | 500 | 600 | 700 | 500 | 500 | 600 |
| 746 | 777 | 777 | 777 | 746 | – | – |
| 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| Honda GX270 | Hatz 1 B 30 | Hatz 1 B 30 | Hatz 1 B 30 | Honda GX270 | Hatz 1 B 30 | Hatz 1 B 30 |
| 5.2 (at 2,800 rpm) | 4.2 (at 2,800 rpm) | 4.2 (at 2,800 rpm) | 4.2 (at 2,800 rpm) | 5.2 (at 2,800 rpm) | 4.2 (at 2,800 rpm) | 4.2 (at 2,800 rpm) |
| – | ● | ● | – | – | – | – |

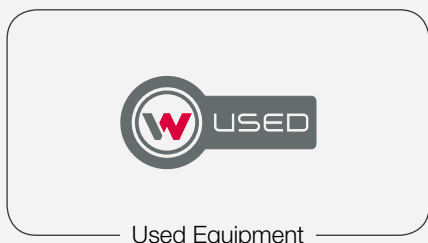
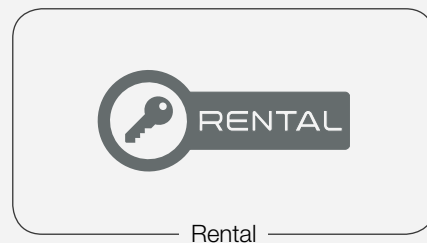
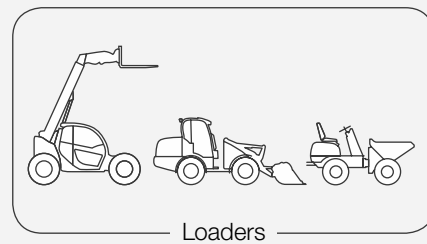
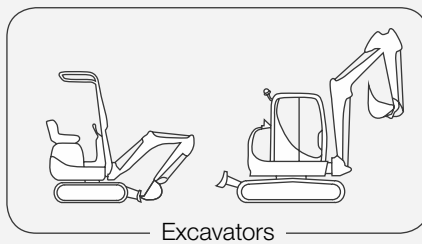
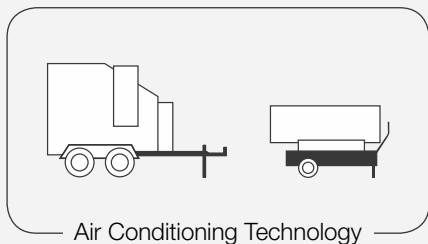
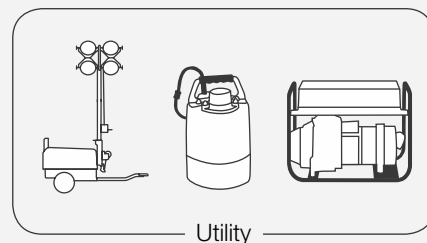
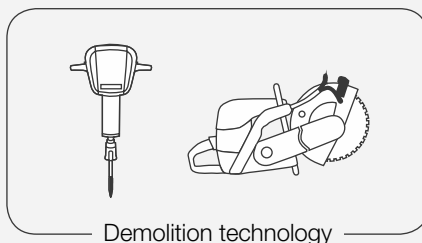
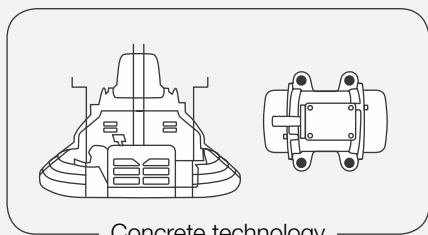
| DPU6555 | DPU7060 | DPU100-70 | DPU130 |
|--------------------------------|---------------------|---------------------|-------------------|
| 65 kN | 70 kN | 100 kN | 130 kN |
| 464–518* | 623 | 768 | 1,170 |
| 65 | 70 | 100 | 130 |
| 550 x 900 | 780 | 880 | 1,200 |
| 869 | 694 | 907 | 996 |
| 69 | 56 | 56 | 58 |
| Hatz 1 D 81S | Farymann 43F | Kohler 12LD 477-2 | Kohler KDW 1404 |
| 9.6 (at 2,800 rpm) | 10.5 (at 2,530 rpm) | 12.8 (at 2,700 rpm) | 21 (at 2,700 rpm) |
| Yes 495 He/518 Heap/497 Hec | standard | standard | standard |

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