Vibratory plates





These reasons speak for vibratory plates from Wacker Neuson.

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

Great performance, low consumption. Machines full of ideas and technologies that make operation and work easier for you. You will only find this combination with the vibratory plates from Wacker Neuson.

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

Unload. Start. Get going. And then straight to the next project. You can't afford to stop. That's why our vibratory 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 rendered that meet your high requirements and diverse applications. Wacker Neuson stands for reliability. Of course, this also applies to our wide 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.



Pinpoint compaction

Compatec shows you when no further compaction is required with the respective unit. This prevents overcompaction 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.



HAV

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 dieseldrive engine.

Low hand-arm vibrations (HAV)

Low hand-arm vibrations (HAV) are

essential, especially during long-time

without a time restriction, sometimes

even without a documentation

requirement.

plates from Wacker Neuson can be used



Remote-controlled operation

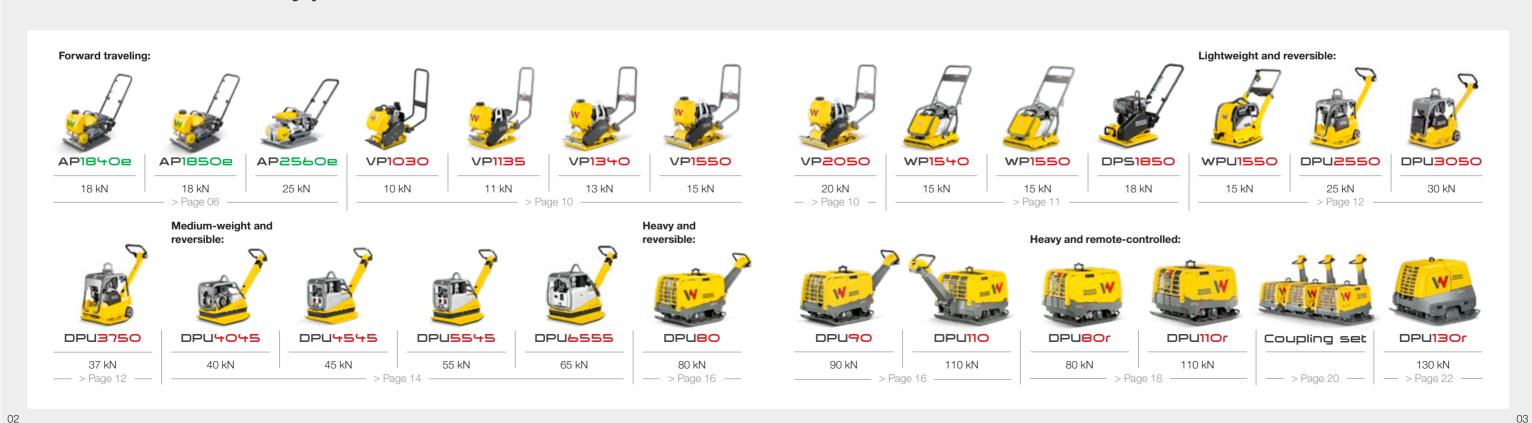
The models DPU80r, DPU110r and DPU130r can be operated conveniently and safely via infrared remote control. Read more on pages 19 and 23.



Compaction control

The Compamatic function within the EquipCare Manager provides visualization and documentation of the compaction. Available for the heavy reversible as well as the remote-controlled vibratory plates DPU80r and DPU110r.

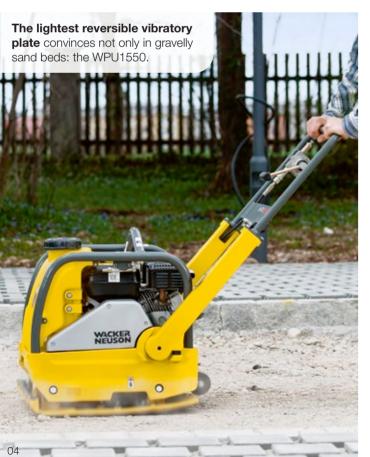
Overview of all vibratory plates.

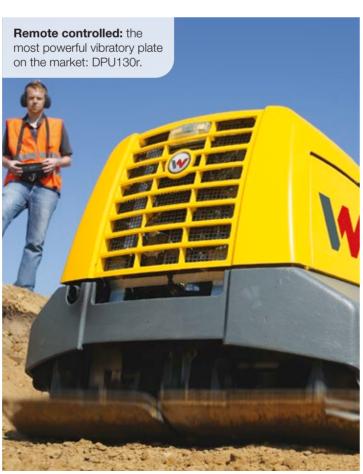


The right solution for every type of soil and application area.

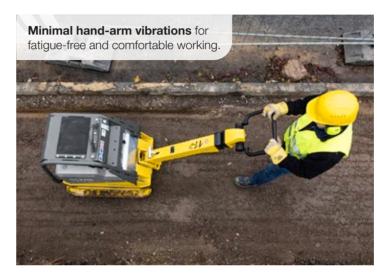


















The battery-powered vibratory plates by Wacker Neuson operate entirely free of emissions and are therefore suitable for many sensitive areas of application. These can do everything a normal vibratory plate can do: compaction of soils, vibration of paving stones and - with optional water tank - asphalt compaction.

Emission-free vibratory 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 centers 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 devices in confined spaces or high temperatures with little wind movement
- Water protection areas where the application of internal combustion engines is generally prohibited

Robust electric motor based on time-tested and proven components

arie tested and proven component

Optimum water distribution

due to wide sprinkler bar

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.

0% Emissions Guide handle can be folded down, thus more compact during transport

Sturdy protective cage

also enables lateral guiding

Powerful lithium-ion battery, can also be used on other battery operated devices by Wacker Neuson thanks to a modular concept

Easy starting at the push of a button replaces the cable pull

Rugged, durable base plate





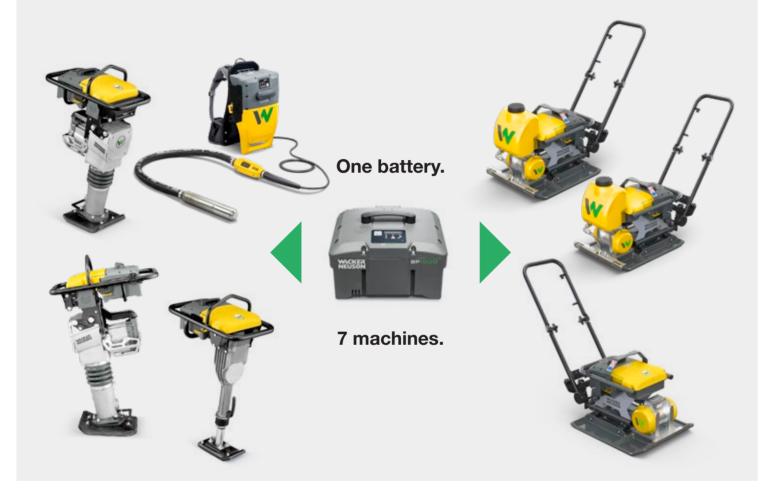
	AP1840e	AP1850e	AP2560e
Operating weight ¹ (kg)	103	107	143
Range per battery charge BP1000² (m²)	648	810	404
Range per battery charge BP1400 ² (m ²)	907	1,134	566

Water tank model plus 10 kg

² Depends on the soil and environmental influences

Battery with system: once purchased, often used, lots saved.

The powerful batteries BP1000 and BP1400 fit into our rammers as well as into the vibratory plates and internal vibrator system ACBe. The replacement is taken care of in a few steps and in seconds - without any tools. This is not just practical, but also saves costs, since you only have to buy as many batteries as machines are in use at the same time. And the transport is also easier - in the true sense of the word.





Lithium ion rechargeable batteries have been specially developed for use in vibrating machines. They have a particularly extended running time, are extremely robust and easy to handle. In addition, they are continuously further developed by us - thus, your machines are always in keeping with the latest technological developments.

- Consistent power output across the entire discharge phase, therefore full compaction performance from the first to the last minute of working
- Can be charged quickly with protection against overloading
- Active cooling while charging preserves the battery



AP2560e: The paving stone specialist.



Connect and recharge: with standard battery charger in four hours (e.g. overnight), with quick charger in 80 minutes (battery BP1000) or 112 minutes (battery BP1400).







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 water sprinkling through maximum supply quantity, comfortably adjustable with a large water tap
- At all times, sufficient water flow thanks to high-quality filter
- A full workday of long, comfortable working thanks to very good damping effect 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.



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 an 11-liter water tank, sprinkler system and protective cage. Outfitting also available as an accessory for DPS1850 Basic and DPS1850 Vario

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

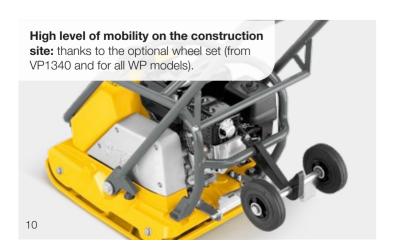


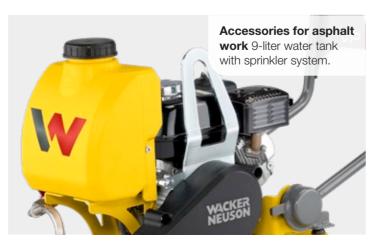
WP series:

- Sturdy tubular cage 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

	WP15	540 WP1550	
Power output (kN)	15	15	
Weight (kg)	86-92	89-96	
Type of engine		Gasoline engine —	









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

11



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 lightest reversible vibratory plate from Wacker Neuson
- Solid steel pipe cage 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



Power output (kN)	25
Weight (kg)	145-160

Type of engine



* Models optionally also available with gasoline engine (BPU)

DPU series

• Handle-damping for fatigue-free and comfortable working (hand-arm vibrations under 5 m/s²)

30

195

- 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

37

247-265



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



37

274











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.





Widths from 40 to 86 cm available

DPU4045 DPU4545 DPU5545* DPU6555

Power output (kN)	40	45	55	65	
Weight (kg)	376	402-425	399-447	480-527	
Type of engine		D	sool engine		

pe of eligine ______ **Diese**i

* Model optionally also available with gasoline engine (BPU)



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 $2.5\ \text{m/s}^2$ thanks to the vibration-reduced center pole.



Low hand-arm vibrations



Unit operation without any time restrictions









Compamatic = Compatec + Telematics.

Optimal compaction control with GPS tracking: the innovative Compamatic function records the machine location during compaction via GPS and documents the compaction clearly on a map. This gives you a quick overview of work progress and compaction quality. You have access to the compaction data as well as the telematics data via the EquipCare Manager.









Heavy-weight remote controlled vibratory plates

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

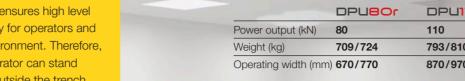
DPU series: benefits at a glance

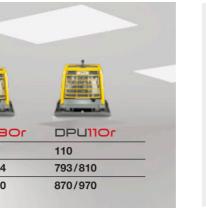
- Relating to the compaction effect via the Compamatic module (accessory) in the EquipCare Manager
- No exposure to hand-arm vibration or exhaust fumes for the operator thanks to the distance between operator and vibratory plate.
- High level of safety: the equipment remains stationary if clear line 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, two-part and swivelling
- 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

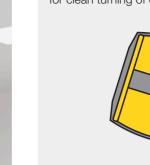
• Optionally available with compaction control Compatec or with machine protection (adjustable behavior during overload: Warning,

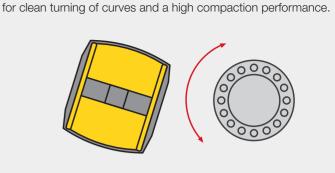
reduction of rpm or shutdown)







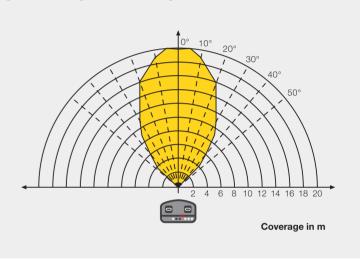




Far-reaching control:

a transmission field of up to 20 meters and an angle of 45° guarantee a high level of working comfort.

Direction change with simultaneous travel:



High level of safety:

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

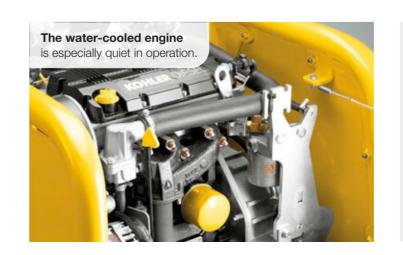






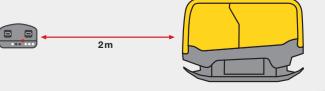






Intelligent proximity recognition sensor:

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



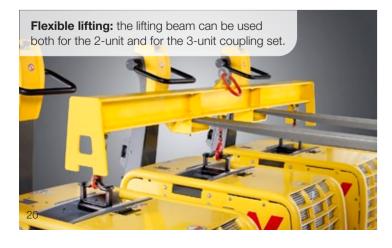
Coupling set

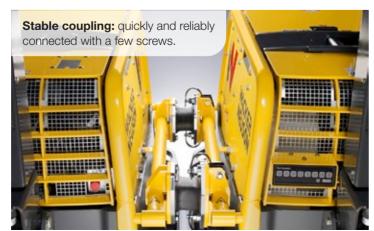
Connect three DPU110 vibratory plates to a high-performance machine. The coupling set offers extreme surface and compaction performance - ideal for crushed stone compaction in railway construction and for large areas in earthworks. Compared to a roller, it is considerably lower priced to purchase, more economical in fuel consumption and easier to transport. The vibratory plates can also be used individually. Thus, maximum flexibility can be obtained.

- Automatic infrared connection of machines via "Plug & Play"
- Extreme operating width saves time and time-consuming turning maneuvers in narrow track bed
- Safe control via infrared remote control, without hand-arm vibrations and away from dust and noise
- Proximity recognition sensor and field of view function offer maximum safety for the operator and the vicinity (see also p. 19)
- The remote control can be charged under the hood no additional power supply required
- Comparatic: compaction display on coupling set, clearly visible for the operator, as well as documentation via GPS in Telematics portal

	3-part coupling s	et: 2-part coupling set:
Power output (kN)	3 x 110	2 x 110
Weight (kg)	2,616	1,727
Operating width (mm)	3,000	1,985













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.

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

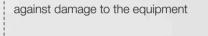
A high level of safety due to infra-red remote control with a proximity recognition sensor and automatic shutdown if the line of sight is lost

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

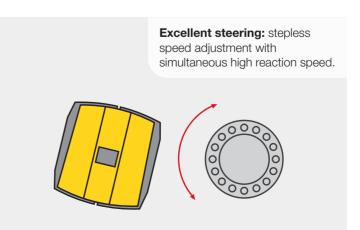
On-board computer for comfort

functions, such as anti-theft protection or extensive diagnostic options

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









Accessories

AP2560e

VP1030A

VP1135A

VP1340A

VP1550A

VP2050A

WP1540A

WP1550A

WPU1550A

AP1850e, AP1840e

VP1030Ex factory

VP1135Ex factory

VP1340Ex factory

VP1550Ex factory

VP2050Ex factory

WP1540Ex factory

WP1550Ex factory

DPS<mark>185OH</mark> Asphalt

WPU<mark>1550</mark>Ex factory

DPS<mark>185OH</mark> Basic/Vario

- Not available ○ Available ● Integrated

AP1850WE, AP1840WE



Water tank (liters)

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Paving pad

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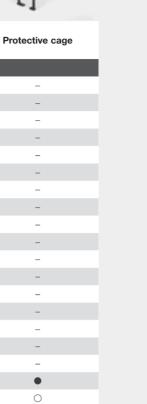
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		Set of extension plates in various widths	Transport device	Paving pad
	BPU2540A	-	•	0
	DPU254OH	-	•	0
ES	DPU2550H	-	•	0
PLATES	DPU256OH/DPU256OHts	-	•	0
	BPU3050A	_	•	0
R.	DPU3050H/DPU3050He	-	•	0
VIBRATORY	DPU3060H/DPU3060Hts	-	•	0
3R/	DPU3070H	-	•	0
	DPU3750Hts/DPU3750Hets	-	•	0
FOR	DPU3760Hts/DPU3760Hets	-	•	0
	DPU4045Ye	0	0	0
CCESSORIES	DPU4545H/DPU4545He/DPU4545Heap	0	0	0
Ö	BPU5545A	0	0	0
ESS	DPU5545H/DPU5545He/DPU5545Heap	0	0	0
S	DPU6555H/DPU6555He/DPU6555Hec	0	_	0
¥	DPU80	-	-	-
	DPU90	-	-	-
	DPU <mark>110</mark>	-	-	-
	DPUSOr	-	-	-
	DPU <mark>11O</mark> r	-	-	-
	DPU13Or	-	-	-

⁻ Not available ○ Available ● Integrated









Technical data

			AP1840e	AP1850e	AP2560e	VP1030	VP1135	VP1340	VP1550	VP2050		WP1540	WP1550	DPS1850 (Basic)	DPS1850 (Vario)	DPS1850 (Asphalt)		WPU1550
	SPECIFICATION	UNIT																
(n	Weight	kg	103°	107°	143°	50.8-58.8°	60.5-68.5	80.7-88.7	90.8-98.8*	93 - 101*	S	86-92*	89-96° 0	114	116	139	S	89-96°
Ä	Centrifugal force	kN	18	18	25	10	11	13	15	20	ZE	15	15	18	18	18	H	15
Ä	Operating width	mm	400	500	600	313	355	405	505	505	SEF	430	498	500	500	500	SE	498
<u>P</u>	Frequency	Hz	98	98	98	98	98	98	98	98	VP.	98	98	88	98	88	PU	98
d	Drive		Electric motor	Electric motor	Electric motor	Honda GXR 120	Honda GX120	Honda GX160	Honda GX 160	Honda GX 160	>	Honda GX 160	Honda GX160	Hatz 1 B 20	Hatz 1 B 20	Hatz 1 B 20	>	Honda GX160
	Rated output 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
	Range per battery charge (BP100)	m²	648**	810**	404**	-	-	-	_	-		-	-	-	-	-		-
	Range per battery charge (BP1400)	m²	907**	1,134**	566**	-	-	-	-	-		-	-	-	-	-		-

Ş			BPU2540	DPU 25 40	DPU 2550	DPU2560	BPU3050	DPU3050	DPU3060	DPU3070	BPU3750	DPU3750	DPU 3760
37	SPECIFICATION	UNIT											
25-(Weight	kg	145	160	166	171	181	206	190-215°	195	247	265	274
S	Centrifugal force	kN	25	25	25	25	30	30	30	30	37	37	37
<u>=</u>	Operating width	mm	400	400	500	600	500	500	600	700	500	500	600
SE	Vertical clearance	mm	666	736	736	736	777	777	777	777	777	777	-
P	Frequency	Hz	90	90	90	90	90	90	90	90	90	90	90
ω Δ	Engine		Honda GX160	Hatz 1 B 20	Hatz 1 B 20	Hatz 1 B 20	Honda GX270	Hatz 1 B 30	Hatz 1 B 30	Hatz 1 B 30	Honda GX270	Hatz 1 B 30	Hatz 1 B 30
<u>-</u>	Rated output	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)	5.1 (at 3,600 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	5.1 (at 3,600 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)
BP	Options		-	-	-	Top Speed Version	-	Electric starter	Electric starter, top speed version	-	-	Electric starter	Electric starter

			DPU4045	DPU4545	BPU5545	DPU5545	DPU6555	DPUBO	DPU90	DPU110	DPUBOr	DPUIIOr	Coupling set	DPU13Or
X	SPECIFICATION	UNIT												
8	Weight	kg	376	402-425*	340	399-447	480-527*	756-771°	756-771°	813-830°	709-724 [*]	793-810°	2,616	1,170
Ï	Centrifugal force	kN	40	45	55	55	65	80	90	110	80	110	3 x 110	130
3 40	Operating width	mm	604	604	604	604/750	710 x 860	670/770	670/770	870/970	670/770	870/970	3,000	1,202
E S	Vertical clearance	mm	764	790	725	790	861	830	830	830	830	830	830	996
U SER	Frequency	Hz	69	69	69	69	69	56	63	60	56	60	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 LDW 1003	Kohler KDW 1404
В	Rated output	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)	16 (at 3,600 rpm)	21 (at 2,700 rpm)
BPU- &	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 starter and operating hours meter as standard	Overload protection, Compatec incl. overload protection; with electric starter and operating hours meter as standard	Overload protection, Compatec incl. overload protection; with electric starter and operating hours meter as standard	Overload protection, Compatec incl. overload protection; with electric starter and operating hours meter as standard	Overload protection, Compatec incl. overload protection; with electric starter and operating hours meter as standard	Overload protection, Compatec incl. overload protection; with electric starter and operating hours meter as standard	Standard with electric starter, operating hour meter and overload protection

⁻ Not available

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. Not all Wacker Neuson products listed or shown here are however 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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26 27

^{*} Weight depends on the additional options selected ** Depends on the soil and environmental influences

Your everyday work day is full of challenges.

We have the right solutions and help you to be ahead of the competition.

We offer you everything you need for this purpose: Wacker Neuson—all it takes!



Services



Financial solutions Uncomplicated, transparent and individual financing options for you.



Repair & maintenance
Excellent and fast maintenance.
Repairs with original spare



Academy
We expand
your know-how:
practice-oriented
and within an
ideal learning
environment.



EquipCare
Everything about the machines at a glance, via app or PC – EquipCare.



Rental
Protect your
liquidity and rent
top-maintained
construction
equipment as
needed.



Concrete specialists Our specialists advise you in all project stages.



eStore
Buy original spare
parts online
conveniently – for
all Wacker Neuson
product groups.

Spare parts



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