



DPU5545

Reversible Vibratory Plates



Specialist for heavy soils

Thanks to its powerful compaction force combined with a quick forward and reverse travel direction, the DPU 5545 offers a high level of productivity. It is an all-rounder for all job sites where high demands are placed on the performance efficiency of a unit. In addition, it offers excellent characteristics in terms of service life and operating comfort. Optimal application areas are the compaction of frost coverings and subbases in street, path and parking lot construction as well as backfilling buildings. Thanks to a frequency of 69 Hz, the DPU 5545 is universally applicable and even reliably compacts medium-weight to heavy interlocking paving stones. The DPU 5545Hec is equipped with Compatec, the compaction control from Wacker Neuson.

- The new center pole reduces hand-arm vibration (HAV) to a minimum and therefore offers a high level of operating comfort at full compaction performance. No restriction for the time of operation and no documentation effort.
- A dead man function prevents the operator from being trapped between the equipment and an object when working in reverse.
- All maintenance points are quickly and easily accessible. Extensive comfort functions: such as low oil shutdown, self-tightening V-belt, maintenance-free alternator, pull-out external jump-start connection that is accessible from outside.
- A large dimensioned diesel engine offers high power reserves and ensures for a high level of efficiency and long service life.
- Compatec: Easy-to-read display of the relative compaction progress. Warning for overload and over-compaction. Brightness adjustment of the lights to the ambient light. Extremely sturdy and reliable.



Very low hand-arm vibration (HAV)

The specially designed center pole from Wacker Neuson generates very low hand-arm vibration (HAV) below 2.5 m/s².

This allows for a continuous operation all day long without impairment and without hazard to the end user.

All documentation requirements are omitted if an operator works only with equipment that has acceleration values below 2.5 m/s².



Intuitive control handle design

The speed is regulated and the travel direction is changed through the forward and backward movement of the handle.

The control panel

- Built to be sturdy and therefore well-protected against dirt and moisture.
- All functions and displays in view and easily accessible: Ignition lock, operating light, charge control lamp, jump start pin, operating hour meter (optional) and Compatec (optional).



Compatec – the compaction control

- If the number of lights no longer increases, then the maximum soil compaction possible with this unit has been achieved.
- Available directly ex works



Jump start pin

- Very easy to access for easy charging of the battery, for example after a winter break.
- No risk of dirt accumulation. The jump start pin is protected and is only pulled out if necessary.



Pinpoint compaction

With Compatec, you are shown when the ground has been sufficiently compacted. Over-compaction and overload are therefore avoided.



Transport in no time

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



Low hand-arm vibrations (HAV)

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



Integrated operator comfort

All of the Wacker Neuson models can be comfortably operated for particularly pleasant work.



Diesel or gasoline drive system

High power reserves and a long service life characterize the engines of all of the models, and they are optionally available as a gasoline or diesel drive system.

Technical specifications

	DPU 5545H	DPU 5545He	DPU 5545Heap	DPU 5545Hec
Operating data				
Operating weight kg	399	424	447	426
Centrifugal force kN	55	55	55	55
Base plate size (W x L) mm	440 x 900	440 x 900	440 x 900	440 x 900
Base plate thickness mm	12	12	12	12
Height (without center pole) mm	790	790	790	790
Operating width (with extension plate) mm	600	600	750	600
Frequency Hz	69	69	69	69
Hand-arm vibrations m/s ²	1.5	1.5	1.5	1.5
Advance travel max. (dependent on soil and environmental influences) m/min	23.5	23.5	23.5	23.5
Surface capacity max. (dependent on soil and environmental influences) m ² /h	852	852	1,056	852
Transport height mm	1,514	1,514	1,514	1,514
Transport length mm	1,048	1,048	1,048	1,048
Transport width mm	780	780	810	780
Engine / Motor				



	DPU 5545H	DPU 5545He	DPU 5545Heap	DPU 5545Hec
Engine / Motor type	Air-cooled single cylinder four-cycle diesel engine	Air-cooled single cylinder four-cycle diesel engine	Air-cooled single cylinder four-cycle diesel engine	Air-cooled single cylinder four-cycle diesel engine
Engine / Motor manufacturer	Hatz	Hatz	Hatz	Hatz
Engine / Motor	1D42S	1D42S	1D42S	1D42S
Displacement cm ³	445	445	445	445
Engine performance max. (DIN ISO 3046 IFN) kW	6.4	6.4	6.4	6.4
at rpm rpm	2,850	2,850	2,850	2,850
Operating performance (DIN ISO 3046 IFN) kW	4.9	4.9	4.9	4.9
at rpm rpm	3,000	3,000	3,000	3,000
Fuel consumption l/h	1.8	1.8	1.8	1.8
Fuel tank capacity l	5	5	5	5
Power transmission	From the drive motor via centrifugal clutch and V-belt directly to the exciter.	From the drive motor via centrifugal clutch and V-belt directly to the exciter.	From the drive motor via centrifugal clutch and V-belt directly to the exciter.	From the drive motor via centrifugal clutch and V-belt directly to the exciter.
Fuel type	Diesel	Diesel	Diesel	Diesel

Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions. Subject to alterations and errors excepted. Applicable also to illustrations.
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