DPU90

Reversible Vibratory Plates

DPU90: High frequency for sandy soils

The vibratory plate DPU90 is the specialist for compacting sandy soils. The base plate is stable, lightweight and has a very good rate of advance. This and the high vibration frequency of 62Hz make optimum compaction results of heavy cohesive soils with high proportions of sand possible. The robust and functional design guarantee reliable operation of the DPU90. The center pole rapid lowering and the reset via foot pedal as well as the direction switch per turning of the stirrup handle provide high operating comfort. The DPU90 is a model of our heavy, high-performance vibratory plate series with 80 to 130 kN.

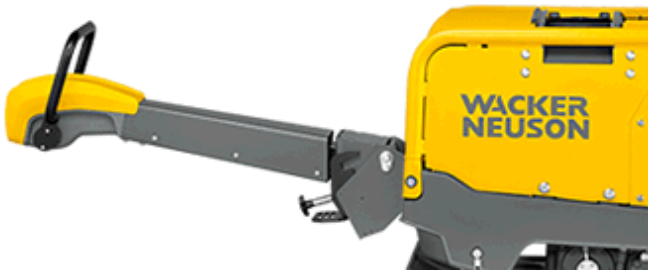
- Powerful and optimally designed vibratory plate
- Intelligent water-cooled engine designed for ambient temperatures up to 45°C
- No documentation requirements due to an exceptionally low hand-arm vibration under 2.5m²
- Very user-friendly and comfortable for operators
- Extremely robust

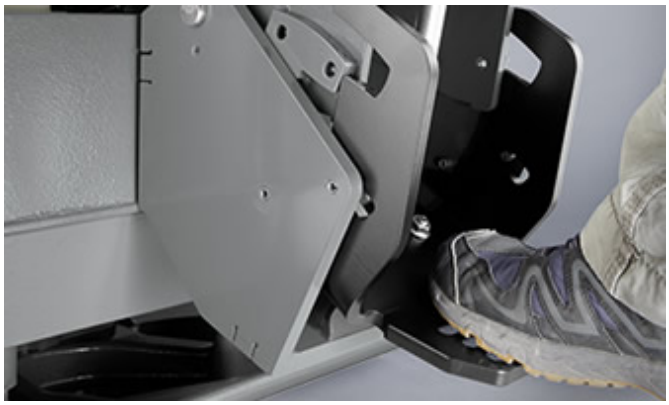
First-class compaction performance
• Individually controllable compaction performance, optimized adaptation to the soil being compacted
• Water-cooled engine, optimized for the plate's requirements
• Stable base plate: very good rate of advance for fast compaction and optimum results

Optimal dimensions
• Adapted to individual requirements: available in two operating widths, 670 or 770 mm
• Only 830 mm high: low construction design due to transversly mounted engine - ideal for operation in confined areas, such as in trenches

High operating comfort

No documentation requirements due to hand-arm vibrations below 2.5 m²

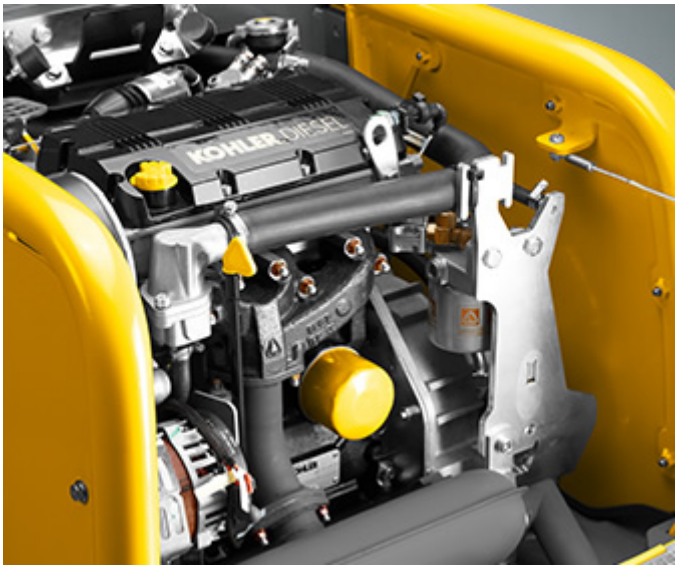




Very user-friendly: quick lowering and reset of the center pole via foot pedal

• easy change of direction by turning the stirrup handle
• Intuitive controls, no training necessary
• All controls are recessed in the center pole head and thus protected from damage

Ecological & sustainable
• The water-cooled engine meets all emission regulations future-proof and allows operation at extrem temperatures
• Water-cooling provides extremely long engine service life even with long-term operations
• Way below the noise exposure limits - that protects the environment and operator



Extremely robust design
• The steel tube frame and steel cover sheets make the DPU90 very robust and protected against damage
• The side panels are detachable
• Durable and very stable design

Safety

• Tie-down options similar to those of large equipment allow an optimal securing during transport

• The lifting eye is turned by 90 degrees and thus provides better protection of hood and center pole when being lifted.
• Center pole and control elements cannot collide with the excavator arm when being transported.

• Operator safety: If the operator releases the center pole the vibratory plate continuous vibrating but remains in place (on-the-spot vibration)

Maintenance and Service
• 100% service access with a few easy steps
• Detachable side panels
• Hood can be fully opened
• Long service intervals due to large external air filter

• Easy to clean base design without the risk of damaging hydraulic hoses

Intelligent equipment protection

• Black box allows communication between man and machine
• Operating displays provide information on overload protection and error logs
• Individual configurations possible
• Theft protection via PIN set

• Optionally available with shutdown at overcompaction or Compatec - a display which indicates the degree of compaction.

Technical specifications

	DPU90Lem670	DPU90Lem770
Operating data		
Operating weight kg	771	771
Centrifugal force kN	90	90
Base plate width mm	670	770
Base plate length mm	1,183	1,183
Base plate thickness mm	14	14
Height (ground clearance) mm	830	830
Operating width mm	670	770
Frequency Hz	63	63
Hand-arm vibrations m/s²	< 2.5	< 2.5
Advance travel max. (dependent on soil and environmental influences) m/min	30	30
Surface capacity max. (dependent on soil and environmental influences) m²/h	1,206	1,206
Transport height mm	1,670	1,670
Transport length mm	1,515	1,515
Transport width mm	850	850
Shipping weight kg	791	791
Engine / Motor		
Engine / Motor type	Water-cooled 2-cylinder 4-stroke diesel engine	Water-cooled 2-cylinder 4-stroke diesel engine
Engine / Motor manufacturer	Kohler	Kohler
Engine / Motor	KDW702	KDW702
Displacement cm³	686	686

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Engine performance (rated power) (DIN ISO 3046 IFN) kW	11.7	11.7
at rpm rpm	3,350	3,350
Fuel tank capacity l	7.2	7.2
Permissible tilt °	25	25
Power transmission	Hydrostatic	Hydrostatic
Fuel type	Diesel	Diesel

Available options: - overload protection sensor - Compatec: compaction degree feedback control incl. shutdown at overcompaction

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.