



DPU80

Reversible Vibratory Plates



DPU80: Shape up for the future of compaction

Pure functionality - that is what the vibratory plate DPU80 stands for. The robust design, the excellent performance and well thought out features are simply convincing. The steel tube frame and detachable side panels make the plate extremely resistant in operation and provide a convenient maintenance access. The DPU80 is a model of our heavy, high-performance vibratory plate series with 80 to 130 kN.

- Powerful and optimally designed vibratory plate
- Available in two widths: 670 mm and 770 mm
- Intelligent water-cooled engine designed for ambient temperatures up to 45 °C
- No documentation requirements due to an exceptionally low hand-arm vibration under 2.5 m/s²
- Available either with remote control or as center pole version

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 design due to transversely mounted engine - ideal for operation in confined areas, such as in trenches

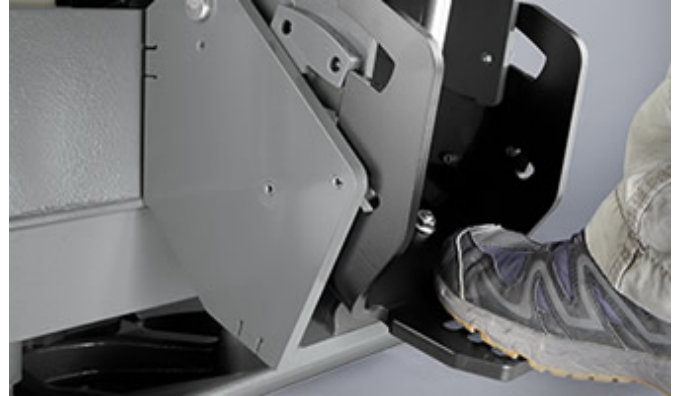
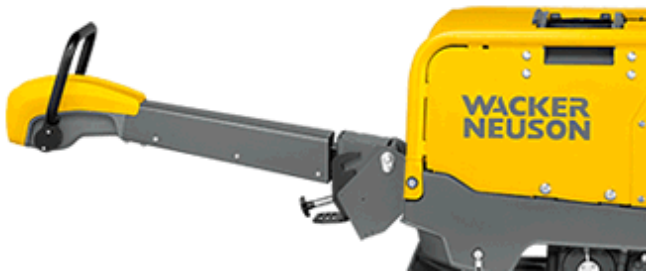




High operating comfort



No documentation requirements due to hand-arm vibrations below 2.5 m/s²



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

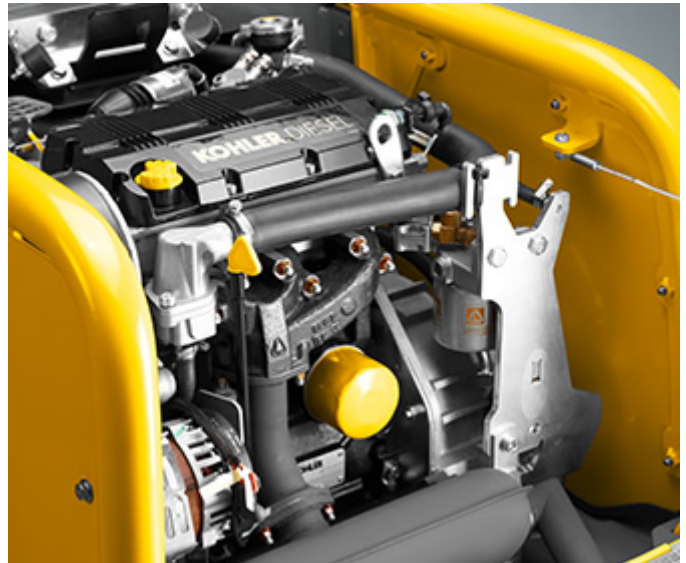


- easy change of direction by turning the stirrup handle
- Intuitive controls, no training necessary
- All controls are recessed in the center pole head and thus protected from damage



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 DPU80 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)



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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 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 machine overload protection or compaction control Compelec incl. machine overload protection.



Technical specifications

	DPU80Lem670	DPU80Lem770
Operating data		
Operating weight kg	756	771
Centrifugal force kN	80	80
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	56	56
Hand-arm vibrations m/s ²	< 2.5	< 2.5
Advance travel max. (dependent on soil and environmental influences) m/min	29	29
Surface capacity max. (dependent on soil and environmental influences) m ² /h	1,166	1,340
Transport height mm	1,670	1,670
Transport length mm	1,515	1,515
Transport width mm	850	850
Shipping weight kg	776	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 cm ³	686	686
Engine performance (rated power) (DIN ISO 3046 IFN) kW	11	11
at rpm rpm	3,000	3,000
Operating performance (DIN ISO 3046 IFN) kW	9.6	9.6
at rpm rpm	3,000	3,000
Fuel consumption l/h	2.7	2.7
Fuel tank capacity l	7.2	7.2
Permissible tilt °	25	25
Power transmission	Hydrostatic	Hydrostatic
Fuel type	Diesel	Diesel



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Further model variants are freely configurable: - operating width: 670 mm oder 770 mm - steering: with center pole or remote control (see DPU80r) 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.

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