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Reversible vibratory plate DPU5545He

5100016947

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Reversible vibratory plate DPU5545He

Material number 5100016947



Reversible vibratory plate with a diesel engine and electric starter for heavy demands on performance and sturdiness in soil, asphalt and paving stone compaction.

Product details

Powerful vibratory plate that also easily compacts heavy soils.

- Intuitive control handle: Control the movement of direction as well as the speed in the same movement, without changing grips, both hands stay on the control handle
- Low hand-arm vibrations (HAV) (well below 2.5 m/s²)
- Height adjustable center pole
- Electric starter with a loud signal tone generator to avoid unnecessary battery discharge
- Safety setting: Machine moves away from the operator if the control handle is released
- Large-sized engine with high power reserves for a long service life
- Motor protection: Not possible to start with a low oil level
- Thick, wear-resistant base plate made from nodular cast iron
- The engine and tank are protected by a sturdy frame, which is also useful for a sturdy tie-down during transport.
- Very sturdy, free from play center pole lock, easy to actuate for a secure transport
- Large lifting eye that can be offset to neutral height
- All maintenance accesses are quick and easy to reach
- Self-adjusting V-belt and maintenance-free alternator
- Comprehensive protection of the functional parts against stone chipping and dirt accumulation
- Due to the low frequency, also suitable for the vibration of heavy interlocking paving stones
- Quick and easy assembly of a paving pad possible

You will also find an appropriate paving pad here in the shop for the protection of paving stone bottoms.

Technical specifications

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ENGINE

Cooling	air cooling
Engine type	Diesel engine
Engine operating mode	four-stroke
Cylinder capacity	445 cm ³
Fuel	Diesel EN 590
Fuel consumption	1,60 L/hr
Inclined position max.	30,0 °
Cylinder	1
Oil specification	SAE 10W-40
Oil filling max.	1,10 l
Power rating max.	7,0 KW
Standard (Effective power)	ISO 3046 IFN
Nominal Engine speed	2.850 1/min
Standard (Power max.)	ISO 3046 IFN
Operating power	4,9 KW
Engine speed (Power max.)	3.600 1/min
Effective power	6,4 KW
Oil filling min.	0,80 l
Upper idling speed ex load	3.060 1/min
Standard (Operating power)	ISO 3046 IFN
Operating Engine speed	3.000 1/min
Exhaust-gas limit	EU Stage V
Starter battery Voltage	12 V
Starter type	E-starter
Oil volume incl. filter change	1,20 l
Air cleaner	dry air filter
Battery capacity (nom. value)	45 Ah
Engine Manufacturer	Hatz

ENVIRONMENT DATA

Storage temperature range	-15 - 40 °C
Sound level LpA	94,0 dB(A)
Sound power LWA, measured	107,0 dB(A)
Sound level LpA (Standard)	EN 500-4
Sound power LWA, guaranteed	108,0 dB(A)
Operating temperature range	-15 - 40 °C
Sound power LWA (Standard)	EN 500-4
HAV summation (Standard)	EN 500-4
HAV summation (average value)	2,5 m/s ²
Uncertainty in measurement HAV	0,5 m/s ²

MECHANICAL - OUTPUT DETAILS

Centrifugal force	55,000 kN
Transmission	FKR
Vibrations	4.150 1/min
Area capacity	980 m ² /h
Forward Running	27,00 m/min
Gradeability	57,7 %
Vibrations (Hz)	69 Hz

OPERATING FLUIDS

Exciter oil volume	0,75 l
Hydraulic fluid type	Renolin MR 520
Exciter oil type	75W-90 API GL-4
Hydraulic fluid volume	0,5 l

MECHANICAL DETAILS

Length Drawbar in op. pos.	1.661 mm
Width	604 mm
Height	1.308 mm
Operating weight	424,0 kg
Ground clearance	790 - 914 mm