



RD7Af HRC

Walk-behind roller

Achieving the perfect work results with ease

The RD7 walk-behind dual-vibration roller delivers excellent performance in both soil and asphalt compaction - thanks to the optimally integrated frequency and two vibration stages. As a result, the roller is characterized by its ergonomically arranged operator controls, such as, the engine rpm adjuster attached to the center pole. Even the easy, tool-free access to all service points makes the RD7 a simple and economical solution for every construction site.

Highlights

- All control elements are located directly on the guide handle
- Engine speed adjustment for engines with three positions (Off, Idle, Full Throttle) directly on the guide handle
- Good visibility on fill levels
- Ergonomic handle and travel lever with recessed handles
- Two vibration stages for various subbases

Technical Data

Hydraulic

Tank capacity	3.0 l
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Mechanical - Output Details

Transmission	Hydrostatic with electronic control unit
Area capacity	2,895.0 m ² /h
Gradeability	26.0 %
Gradeability max. (without vibration)	33.0 %
Operating speed [km/h]	4.3 km/h
Vibrations (Hz)	56.0 Hz
Linear force dynamic (low)	11.6 N/mm
Linear force dynamic (high)	17.3 N/mm
Linear force dynamic front	17.3 N/mm
Linear force dynamic rear	17.3 N/mm
Total Linear Force/Drum (rear)	22.6 N/mm
Travel speed	4.5 km/h
Frequency Level I Hz	46.0 Hz
Frequency Level II Hz	56.0 Hz
Centrifugal force Level I	13.5 kN
Centrifugal force Level II	22.5 kN
Linear force static (rear)	5.3 N/mm
Exciter type	Hydraulic

Travel speed (reverse)	2.5 km/h
Maximum pitch	18.0 °
Maximum cross slope	25.0 °

Mechanical Details

Length Handle down	2,467.0 mm
Length Handle up	1,351.0 mm
Width	720.0 mm
Height Handle up	1,990.0 mm
Operating weight	687.0 kg
Dry Weight	657.0 kg
Drum diameter	400.0 mm
Side clearance right	225.0 mm
Curb clearance right	350.0 mm
Curb clearance left	350.0 mm
Wheelbase	500.0 mm
Weight Drum (static) Front	141.0 kg
Weight Drum (static) Rear	141.0 kg

Environment Data

Sound level LpA	85.0 dB(A)
Sound level LpA (Standard)	EN 500-4
Sound power LWA, measured	101.0 dB(A)

Sound power LWA, guaranteed	108.0 dB(A)
Sound power LWA (Standard)	EN 500-4
HAV summation (average value)	m/s2
HAV summation (Standard)	EN 500-4

■ **Operating Fluids**

Water tank capacity	60.0 l
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Exciter oil type	ISO VG 220
Hydraulic fluid volume	5.0 l
Hydraulic fluid type	ISO VG 46
Lubricant type for non-drive side bearing	KP2P-30 (DIN 51502)

■ **Chassis**

Brake	Surge brake
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