



RD7Yehf 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
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Area capacity	2,895.0 m ² /h
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Gradeability	26.0 %
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Gradeability max. (without vibration)	33.0 %
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Operating speed [km/h]	4.3 km/h
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Vibrations (Hz)	56.0 Hz
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Linear force dynamic front	17.3 N/mm
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Linear force dynamic rear	17.3 N/mm
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Total Linear Force/Drum (rear)	22.8 N/mm
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Travel speed	4.5 km/h
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Centrifugal force Level I	13.5 kN
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Centrifugal force Level II	22.5 kN
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Exciter Type	Hydraulic
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Travel speed (reverse)	2.5 km/h
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■ Mechanical Details

Width	720.0 mm
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Operating weight	707.0 kg
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Dry Weight	677.0 kg
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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 88.0 dB(A)

Sound level LpA (Standard) EN 500-4

Sound power LWA, measured 104.0 dB(A)

Sound power LWA, guaranteed 108.0 dB(A)

Sound power LWA (Standard) EN 500-4

HAV summation (average value) 2.5 m/s²

■ Operating Fluids

Water tank capacity 60.0 l

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

Available engines

Yanmar L100V5

Cooling	air cooling
Engine type	Diesel engine
Engine operating mode	four-stroke
Cylinder	1
Cylinder capacity	445 cm ³
Fuel	Diesel EN 590
Fuel consumption	1.20 L/hr
Tank capacity	5.40 l
Effective power	6.30 kW
Nominal Engine speed	3,000 PL
Standard (Effective power)	ISO 3046-1
Operating power	6 kW
Operating Engine speed	2,600 PL
Standard (Operating power)	ISO 3046-1
Starter type	E-starter
Engine Manufacturer	Yanmar