



RD7Yeh 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

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|---------------|-------|
| Tank capacity | 3.0 l |
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■ Mechanical - Output Details

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| 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

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| Width | 720.0 mm |
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| Operating weight | 697.0 kg |
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| Dry Weight | 667.0 kg |
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| Drum diameter | 400.0 mm |
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| Side clearance right | 225.0 mm |
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| Curb clearance right | 350.0 mm |
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| Curb clearance left | 350.0 mm |
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| Wheelbase | 500.0 mm |
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| Weight Drum (static) Front | 141.0 kg |
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| Weight Drum (static) Rear | 141.0 kg |
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■ Environment Data

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| Sound level LpA | 88.0 dB(A) |
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| Sound level LpA (Standard) | EN 500-4 |
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| Sound power LWA, measured | 104.0 dB(A) |
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| Sound power LWA, guaranteed | 108.0 dB(A) |
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| Sound power LWA (Standard) | EN 500-4 |
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| HAV summation (average value) | 2.5 m/s ² |
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■ Operating Fluids

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

Brake

Surge brake

Available engines

Yanmar L100V5

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|----------------------------|---------------------|
| 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 |