



RD10Yehf LRC

Walk-behind roller

Achieving the perfect work results with ease

The RD10 walk-behind double-drum vibratory roller with optimally integrated frequency and two vibration stages provides excellent soil and asphalt compaction results. The roller is characterized by its ergonomically arranged operator controls, such as the engine rpm adjuster that is attached to the guide handle. The easy, tool-free access to all service points makes the RD10 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

Technical Data

Hydraulic

Tank capacity	3.0 l
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Mechanical - Output Details

Transmission	Hydrostatic with electronic control unit
Area capacity	2,625.0 m ² /h
Gradeability	25.0 %
Gradeability max. (without vibration)	33.0 %
Operating speed [km/h]	3.5 km/h
Vibrations (Hz)	57.5 Hz
Linear force dynamic front	26.0 N/mm
Linear force dynamic rear	26.0 N/mm
Total Linear Force/Drum (rear)	21.1 N/mm
Travel speed	3.5 km/h
Centrifugal force Level I	22.0 kN
Centrifugal force Level II	39.0 kN
Exciter Type	Hydraulic
Travel speed (reverse)	2.5 km/h

Mechanical Details

Width	840.0 mm
Operating weight	970.0 kg

Dry Weight	940.0 kg
Drum diameter	400.0 mm
Side clearance right	225.0 mm
Curb clearance right	35.0 mm
Curb clearance left	35.0 mm
Wheelbase	500.0 mm

Environment Data

Sound level LpA	88.0 dB(A)
Sound level LpA (Standard)	EN 500-4
Sound power LWA, measured	103.0 dB(A)
Sound power LWA, guaranteed	108.0 dB(A)
Sound power LWA (Standard)	EN 500-4

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
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Available engines

Yanmar L100N5

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	6.50 KW
Nominal Engine speed	3,000 PL
Standard (Effective power)	ISO 3046-1
Operating power	5.9 KW
Operating Engine speed	2,400 PL
Standard (Operating power)	ISO 3046-1
Starter type	E-starter
Engine Manufacturer	Yanmar