

# 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 |

### Mechanical - Output Details

| | |
|---|---|
| Transmission | Hydrostatic with electronic control unit |
| Area capacity | 2,625.0 m²/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/h |
| 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 |

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