





## **RD7Afb 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                                      |  |  |
| Mechanical - Output Details           |                                          |  |  |
| Transmission                          | Hydrostatic with electronic control unit |  |  |
| Area capacity                         | 2,895.0 m2/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 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                                 |  |  |
| Centrifugal force Level I             | 13.5 kN                                  |  |  |
| Centrifugal force Level II            | 22.5 kN                                  |  |  |
| Exciter Type                          | Hydraulic                                |  |  |
| Travel speed (reverse)                | 2.5 km/h                                 |  |  |
| Mechanical Details                    |                                          |  |  |
| Width                                 | 720.0 mm                                 |  |  |
| Operating weight                      | 690.0 kg                                 |  |  |
| Dry Weight                            | 660.0 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)             | 2.5 m/s2            |
| Operating Fluids                          |                     |
| Water tank capacity                       | 60.0                |
| Exciter oil type                          | ISO VG 220          |
| Hydraulic fluid volume                    | 5.0                 |
| Hydraulic fluid type                      | ISO VG 46           |
| Lubricant type for non-drive side bearing | KP2P-30 (DIN 51502) |
|                                           |                     |

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# Available engines

## Honda GX390UT2X-SX-Q4-OH

| Cooling                    | air cooling     |
|----------------------------|-----------------|
| Engine type                | Gasoline engine |
| Engine operating mode      | four-stroke     |
| Cylinder                   | 1               |
| Cylinder capacity          | 389 cm3         |
| Fuel                       | Gasoline        |
| Fuel consumption           | 2.00 L/hr       |
| Tank capacity              | 6.10            |
| Effective power            | 6.40 KW         |
| Nominal Engine speed       | 3,000 PL        |
| Standard (Effective power) | SAE J1349       |
| Operating power            | 5.6 KW          |
| Operating Engine speed     | 2,600 PL        |
| Standard (Operating power) | SAE J1349       |
| Starter type               | Recoil starter  |
| Engine Manufacturer        | Honda           |