



RD24-100

Tandem roller

Convenient and efficient

The RD24 is the compact, versatile roller for every construction site. With its three-point articulated pendulum joint, the roller achieves a consistently even weight distribution with optimum maneuverability and travel stability. As a result, excellent, high-quality asphalt surfaces can be achieved. The user benefits from intuitive operation as well as the comprehensive view of the compaction area. Because of its compact dimensions, the RD24 is an excellent choice for use in confined areas.

Highlights

- Uniform operating concept
- Large line-of-sight, compact construction

Technical Data

■ Mechanical - Output Details

Gradeability	30.0 %
Gradeability max. (without vibration)	40.0 %
Travel speed	0.0 - 10.2 km/h
Static linear load (front)	1.21 kg/mm
Linear load with vibration Level I (rear)	4.02 kg/mm
Linear load with vibration Level II (rear)	2.90 kg/mm
Compaction force Level I (front)	39 kN
Compaction force Level II (front)	28 kN
Compaction force I (rear)	39 kN
Compaction force II (rear)	28 kN
Vibration frequency Level I (front)	65.0 Hz
Vibration frequency Level II (front)	51.0 Hz
Vibration frequency Level I (rear)	65.0 Hz
Vibration frequency Level II (rear)	51.0 Hz
Amplitude Level I (front)	0.4500 mm
Amplitude Level II (front)	0.4500 mm
Amplitude Level II (rear)	0.4500 mm
Centrifugal force Level I (front)	33 kN
Centrifugal force Level I (rear)	33 kN

Dry Weight 2,290.0 kg

Gross vehicular weight 2,590.0 kg

Curb clearance right 55.0 mm

Curb clearance left 55.0 mm

Operating width 1,000.0 mm

Ground clearance 280.0 mm

Turning radius inside 2,470.0 mm

Operating weight with roll-over protective structure 2,475.0 kg

Wheelbase 1,700.0 mm

Operating weight, max. 3,190.00 kg

Curb clearance (left) 570.0 mm

Curb clearance (right) 570.0 mm

Empty weight with ROPS 2,290.0 kg

Turning radius outside 3,470.0 mm

Drum width (front) 1,000.0 mm

Drum width (rear) 1,000.0 mm

Drum diameter (front) 720.0 mm

Drum diameter (rear) 720.0 mm

Drum thickness (front) 15.0 mm

■ Engine

Cylinder capacity 1,647.0 cm³

Effective power 18.5 KW

Nominal Engine speed 2,200.0 1/min

Standard (Effective power) ISO 14396

Starter battery Voltage	12.0 V	Particle filter	no
Battery capacity (nom. value)	70.0 Ah	CO (NRSC)	1.9 g/KWh
Engine Manufacturer	Kubota	CO2 (NRSC)	938.3 g/KWh
Engine Designation	D1703	HC + NOx (NRSC)	5.9 g/KWh
■ Environment Data		PM (NRSC)	0.3 g/KWh
Sound level LpA	88.0 dB(A)	■ Operating Fluids	
Sound power LWA, measured	104.0 dB(A)	Water tank capacity	180.0 l
Sound power LWA, guaranteed	106.0 dB(A)	Fuel Tank capacity	42.0 l
Exhaust aftertreatment	no	■ Chassis	
Catalyst	no	Pendulum angle +/-	8.0 °