

RD24-100o DPF

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

- Rear axle with oscillation drum
- Uniform operating concept
- Large line-of-sight, compact construction

Technical Data

Mechanical - Output Details

Gradeability	35.0 %
Gradeability max. (without vibration)	40.0 %
Travel speed	0.0 - 10.6 km/h
Static linear load (front)	1.21 kg/mm
Compaction force Level I (front)	48 kN
Compaction force Level II (front)	34 kN
Compaction force I (rear)	51 kN
Compaction force II (rear)	35 kN
Vibration frequency Level I (front)	65.0 Hz
Vibration frequency Level II (front)	51.0 Hz
Amplitude Level I (front)	0.4500 mm
Amplitude Level II (front)	0.4500 mm
Centrifugal force Level I (front)	43 kN
Oscillation frequency Level I (rear)	38.0 Hz
Oscillation frequency Level II (rear)	39.0 Hz
Tangential amplitude Level II (rear)	1.3 mm
Oscillation force Level I (rear)	39.0 kN
Oscillation force Level II (rear)	23.0 kN

Mechanical Details

Length	2,530.0 mm
Width	1,110.0 mm
Operating weight	2,525.0 kg
Dry Weight	2,340.0 kg
Gross vehicular weight	2,640.0 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	2,525.0 kg
Wheelbase	1,700.0 mm
Operating weight, max.	3,240.00 kg
Curb clearance (left)	570.0 mm
Curb clearance (right)	570.0 mm
Empty weight with ROPS	2,340.0 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	1,826.0 cm^3
Effective power	24.0 kW
Nominal Engine speed	2,200.0 1/min

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Standard (Effective power)	ISO 14396
Starter battery Voltage	12.0 V
Battery capacity (nom. value)	95.0 Ah
Engine Manufacturer	Kubota
Engine Designation	D1803-CR

Environment Data

Sound level LpA	86.0 dB(A)
Sound power LWA, measured	102.0 dB(A)
Sound power LWA, guaranteed	106.0 dB(A)
Exhaust aftertreatment	DOC-DPF
Catalyst	yes
Particle filter	yes
CO (NRTC)	0.1 g/KWh
CO2 (NRTC)	858.7 g/KWh
HC + NOx (NRTC)	3.2 g/KWh
PM (NRTC)	0.0 g/KWh

Operating Fluids

Water tank capacity	180.0 l
Fuel Tank capacity	42.0 l

Chassis

Pendulum angle +/-	8.0 °

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