

RD24-100o

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 - 6.3 m/H
Static linear load (front)	67.98 lb/in
Static linear load (rear)	74.16 lb/in
Linear load with vibration Level I (front)	222.47 lb/in
Linear load with vibration Level II (front)	159.55 lb/in
Compaction force Level I (front)	8,768 lbf
Compaction force Level II (front)	6,295 lbf
Compaction force II (rear)	8,093 lbf
Vibration frequency Level I (front)	65.0 Hz
Vibration frequency Level II (front)	51.0 Hz
Amplitude Level I (front)	0.0177 in
Amplitude Level II (front)	0.0177 in
Centrifugal force Level I (front)	7,419 lbf
Centrifugal force Level II (front)	4,496 lbf
Oscillation frequency Level I (rear)	38.0 Hz
Oscillation frequency Level II (rear)	29.0 Hz
Tangential amplitude Level I (rear)	0.1 in
Tangential amplitude Level II (rear)	0.1 in
Oscillation force Level I (rear)	8,767.6 lbf
Oscillation force Level II (rear)	5,170.6 lbf

Mechanical Details

Length	99.6 in
Width	43.7 in
Operating weight	5,566.7 lb
Dry Weight	5,158.8 lb
Gross vehicular weight	5,820.2 lb
Curb clearance right	2.2 in
Curb clearance left	2.2 in
Operating width	39.4 in
Turning radius inside	97.2 in
Operating weight with roll-over protective structure	5,566.7 lb
Wheelbase	66.9 in
Operating weight, max.	7,142.98 lb
Curb clearance (left)	22.4 in
Curb clearance (right)	22.4 in
Total height with ROPS	93.6 in
Empty weight with ROPS	5,158.8 lb
Turning radius outside	136.6 in
Drum width (front)	39.4 in
Drum width (rear)	39.4 in
Drum diameter (front)	28.3 in
Drum diameter (rear)	28.3 in

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Drum thickness (front)	0.6 in
Drum thickness (rear)	0.6 in

Engine

Cylinder capacity	100.5 Inch3
Effective power	24.8 hp
Nominal Engine speed	2,200.0 1/min
Standard (Effective power)	ISO 14396
Starter battery Voltage	12.0 V
Battery capacity (nom. value)	70.0 Ah
Engine Manufacturer	Kubota
Engine Designation	D1703

Environment Data

Sound level LpA	88.0 dB(A)
Sound power LWA, measured	104.0 dB(A)
Sound power LWA, guaranteed	106.0 dB(A)
Exhaust aftertreatment	no
Catalyst	no
Particle filter	no
CO (NRSC)	1.9 g/KWh
HC + NOx (NRSC)	5.9 g/KWh
PM (NRSC)	0.3 g/KWh

Operating Fluids

Water tank capacity	47.6 gal US
Fuel Tank capacity	11.1 gal US

Chassis

Pendulum angle +/-	8.0 °

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