



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 "
Amplitude Level II (front)	0.0177 "
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 "
Tangential amplitude Level II (rear)	0.1 "
Oscillation force Level I (rear)	8,767.6 lbf
Oscillation force Level II (rear)	5,170.6 lbf

■ Mechanical Details

Length	99.6 "
Width	43.7 "
Operating weight	5,566.7 lb
Dry Weight	5,158.8 lb
Gross vehicular weight	5,820.2 lb
Curb clearance right	2.2 "
Curb clearance left	2.2 "
Operating width	39.4 "
Turning radius inside	97.2 "
Operating weight with roll-over protective structure	5,566.7 lb
Wheelbase	66.9 "
Operating weight, max.	7,142.98 lb
Curb clearance (left)	22.4 "
Curb clearance (right)	22.4 "
Total height with ROPS	93.6 "
Empty weight with ROPS	5,158.8 lb
Turning radius outside	136.6 "
Drum width (front)	39.4 "
Drum width (rear)	39.4 "
Drum diameter (front)	28.3 "
Drum diameter (rear)	28.3 "
Drum thickness (front)	0.6 "

Drum thickness (rear)	0.6 "	Sound power LWA, guaranteed	106.0 dB(A)
■ Engine		Exhaust aftertreatment	no
Cylinder capacity	100.5 Inch3	Catalyst	no
Effective power	24.8 hp	Particle filter	no
Nominal Engine speed	2,200.0 1/min	CO (NRSC)	1.9 g/KWh
Standard (Effective power)	ISO 14396	HC + NOx (NRSC)	5.9 g/KWh
Starter battery Voltage	12.0 V	PM (NRSC)	0.3 g/KWh
Battery capacity (nom. value)	70.0 Ah	■ Operating Fluids	
Engine Manufacturer	Kubota	Water tank capacity	47.6 gal US
Engine Designation	D1703	Fuel Tank capacity	11.1 gal US
■ Environment Data		■ Chassis	
Sound level LpA	88.0 dB(A)	Pendulum angle +/-	8.0 °
Sound power LWA, measured	104.0 dB(A)		