



RD28-120 CN

Tandem roller

Convenient and efficient

The RD28 is the compact and versatile 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 RD28 is an excellent choice for use in confined areas.

Highlights

- Ergonomic work platform
- Clearly arranged, intuitive operator panel
- Large line-of-sight, compact construction

Technical Data

■ Mechanical - Output Details

Gradeability	30.0 %
Gradeability max. (without vibration)	40.0 %
Travel speed	0.0 - 12.0 km/h
Static linear load (front)	1.13 kg/mm
Linear load with vibration Level I (rear)	4.82 kg/mm
Linear load with vibration Level II (rear)	3.37 kg/mm
Compaction force Level I (front)	56 kN
Compaction force Level II (front)	39 kN
Compaction force I (rear)	57 kN
Compaction force II (rear)	40 kN
Vibration frequency Level I (front)	67.0 Hz
Vibration frequency Level II (front)	52.0 Hz
Vibration frequency Level I (rear)	67.0 Hz
Vibration frequency Level II (rear)	52.0 Hz
Amplitude Level I (front)	0.5200 mm
Amplitude Level II (front)	0.5200 mm
Amplitude Level II (rear)	0.5200 mm
Centrifugal force Level I (front)	52 kN
Centrifugal force Level I (rear)	52 kN

Operating weight	2,755.0 kg
Dry weight	2,550.0 kg
Gross vehicular weight	2,860.0 kg
Curb clearance right	55.0 mm
Curb clearance left	55.0 mm
Operating width	1,200.0 mm
Ground clearance	280.0 mm
Turning radius inside	2,370.0 mm
Operating weight with roll-over protective structure	2,755.0 kg
Wheelbase	1,700.0 mm
Operating weight, max.	3,570.00 kg
Curb clearance (left)	570.0 mm
Curb clearance (right)	570.0 mm
Empty weight with ROPS	2,550.0 kg
Turning radius outside	3,570.0 mm
Drum width (front)	1,200.0 mm
Drum width (rear)	1,200.0 mm
Drum diameter (front)	720.0 mm
Drum diameter (rear)	720.0 mm
Drum thickness (front)	15.0 mm

■ Mechanical Details

Length	2,530.0 mm
Width	1,310.0 mm

■ Engine

Cylinder capacity	1,826.0 cm ³
Effective power	24.4 KW

Nominal Engine speed	2,600.0 1/min	Sound power LWA, guaranteed	106.0 dB(A)
Standard (Effective power)	ISO 14396	Exhaust aftertreatment	no
Starter battery Voltage	12.0 V	Catalyst	no
Battery capacity (nom. value)	75.0 Ah	Particle filter	no
Engine Manufacturer	Kubota	■ Operating Fluids	
Speed max.	2,820.0 1/min	Water tank capacity	180.0 l
Engine Designation	D1803-M-DI-CT02	Fuel Tank capacity	42.0 l
■ Environment Data			
Sound level LpA	88.0 dB(A)	Pendulum angle +/-	8.0 °
Sound power LWA, measured	105.0 dB(A)		