



RD28-120

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 - 6.3 m/H
Static linear load (front)	62.36 lb/in
Static linear load (rear)	63.48 lb/in
Linear load with vibration Level I (front)	205.62 lb/in
Linear load with vibration Level II (front)	153.37 lb/in
Linear load with vibration Level II (rear)	154.49 lb/in
Compaction force Level I (front)	9,667 lbf
Compaction force Level II (front)	7,194 lbf
Compaction force II (rear)	7,194 lbf
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)	0.0177 "
Amplitude Level II (front)	0.0177 "
Amplitude Level I (rear)	0.0177 "
Amplitude Level II (rear)	0.0177 "
Centrifugal force Level I (front)	8,543 lbf
Centrifugal force Level II (front)	5,171 lbf
Centrifugal force Level I (rear)	8,543 lbf

Centrifugal force Level II (rear) 5,171 lbf

■ Mechanical Details

Length	99.6 "
Width	51.6 "
Height	69.0 "
Operating weight	5,941.5 lb
Dry Weight	5,533.6 lb
Gross vehicular weight	6,195.0 lb
Curb clearance right	2.2 "
Curb clearance left	2.2 "
Operating width	47.2 "
Turning radius inside	93.3 "
Operating weight with roll-over protective structure	5,941.5 lb
Wheelbase	66.9 "
Operating weight, max.	7,517.77 lb
Curb clearance (left)	22.4 "
Curb clearance (right)	22.4 "
Total height with ROPS	93.6 "
Empty weight with ROPS	5,533.6 lb
Turning radius outside	140.6 "
Drum width (front)	47.2 "
Drum width (rear)	47.2 "
Drum diameter (front)	28.3 "

Drum diameter (rear)	28.3 "	Sound power LWA, measured	104.0 dB(A)
Drum thickness (front)	0.6 "	Sound power LWA, guaranteed	106.0 dB(A)
Drum thickness (rear)	0.6 "	Exhaust aftertreatment	no
■ Engine			
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			
Sound level LpA	88.0 dB(A)	Pendulum angle +/-	8.0 °