



RD18-100c

Tandem roller

Compact and maneuverable

The RD18 is a compact and particularly maneuverable roller in the 1.98 tn.sh. class. The 3-point articulated joint, combined with a large drum diameter, delivers even compaction performance and a high-quality asphalt surface. The user benefits from a comfortable work platform and intuitive operation. A feature of the RD18 is the one-sided drum lifting point with drums offset, which makes precise compaction possible very close to edges and walls on both sides.

Highlights

- Combination roller: Rear axle with rubber tires
- Ergonomic work platform
- One-sided drum fastening with drum offset
- Uniform operating concept
- Large line-of-sight, compact construction

Technical Data

■ Mechanical - Output Details

Gradeability	30.0 %
Gradeability max. (without vibration)	40.0 %
Travel speed	0.0 - 6.8 m/H
Static linear load (front)	45.51 lb/in
Linear load with vibration Level I (front)	165.73 lb/in
Linear load with vibration Level II (front)	125.28 lb/in
Compaction force Level I (front)	6,519 lbf
Compaction force Level II (front)	4,946 lbf
Vibration frequency Level I (front)	61.0 Hz
Vibration frequency Level II (front)	48.0 Hz
Amplitude Level I (front)	0.0150 "
Amplitude Level II (front)	0.0150 "
Centrifugal force Level I (front)	3,822 lbf
Centrifugal force Level II (front)	2,473 lbf

■ Mechanical Details

Length	90.9 "
Width	40.9 "
Operating weight	3,615.6 lb
Dry Weight	3,306.9 lb
Gross vehicular weight	3,725.8 lb

Operating width	40.9 "
Turning radius inside	83.9 "
Operating weight with roll-over protective structure	3,615.6 lb
Wheelbase	61.4 "
Operating weight, max.	3,836.05 lb
Total height with ROPS	87.0 "
Empty weight with ROPS	3,306.9 lb
Turning radius outside	124.6 "

■ Engine

Cylinder capacity	68.5 Inch3
Effective power	21.9 hp
Nominal Engine speed	2,600.0 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	D1105-E4B

■ Environment Data

Sound level LpA	84.0 dB(A)
Sound power LWA, measured	103.0 dB(A)
Sound power LWA, guaranteed	104.0 dB(A)

Exhaust aftertreatment	no
Catalyst	no
Particle filter	no

■ **Operating Fluids**

Water tank capacity	18.5 gal US
Fuel Tank capacity	8.7 gal US

■ **Chassis**

Pendulum angle +/-	8.0 °
Width over tires (rear)	39.4 "
Number of tires (rear)	4.0
Wheel size (rear)	205/60-R16
Wheel load per tire (rear)	460.2 lb