



RD18-100c

Tandem roller

Compact and maneuverable

The RD18 is a compact and particularly maneuverable roller in the 1,8-t 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 - 11.0 km/h
Static linear load (front)	0.81 kg/mm
Compaction force Level I (front)	29 kN
Compaction force Level II (front)	22 kN
Vibration frequency Level I (front)	61.0 Hz
Vibration frequency Level II (front)	48.0 Hz
Amplitude Level I (front)	0.3800 mm
Amplitude Level II (front)	0.3800 mm
Centrifugal force Level I (front)	17 kN

Operating weight with roll-over protective structure 1,640.0 kg

Wheelbase 1,560.0 mm

Operating weight, max. 1,740.00 kg

Empty weight with ROPS 1,500.0 kg

Turning radius outside 3,165.0 mm

■ Engine

Cylinder capacity 1,123.0 cm³

Effective power 16.3 KW

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

CO2 (NRSC)	1,018.0 g/KWh
■ Operating Fluids	
Water tank capacity	70.0 l
Fuel Tank capacity	33.0 l

■ Chassis	
Pendulum angle +/-	8.0 °
Width over tires (rear)	1,000.0 mm
Number of tires (rear)	4.0
Wheel size (rear)	205/60-R16
Wheel load per tire (rear)	208.8 kg