



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

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 Inch ³
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