



Ingersoll Rand DD-16 Roller

Engine:

- Make: Kubota
- Model: D1105
- Power Output: 24 hp (17.9 kW)
- Fuel Type: Diesel

Operating Weight:

- Operating Weight (with ROPS): 3,527 lbs (1,600 kg)
- Operating Weight (with Cab): 3,836 lbs (1,740 kg)

Compaction Performance:

- Static Linear Load: 97 lb/in (17.3 kg/cm)
- Nominal Amplitude (High/Low): 0.035 in (0.89 mm) / 0.02 in (0.51 mm)
- Vibration Frequency (High/Low): 3,600 vpm (60 Hz) / 3,000 vpm (50 Hz)
- Centrifugal Force (High/Low): 3,338 lbs (14.8 kN) / 1,868 lbs (8.3 kN)

Water System:

- Water Tank Capacity: 42 gal (160 L)

Travel Performance:

- Maximum Travel Speed (Forward/Reverse): 4.5 mph (7.2 km/h) / 4.5 mph (7.2 km/h)
- Gradeability: 30%
- Turning Radius (Inside/Outside): 4.6 ft (1,400 mm) / 9.2 ft (2,800 mm)

Dimensions:

- Overall Length: 7.8 ft (2,370 mm)
- Overall Width: 3.9 ft (1,170 mm)
- Overall Height (with ROPS): 7.9 ft (2,410 mm)
- Overall Height (with Cab): 8.3 ft (2,520 mm)
- Drum Width: 3.3 ft (1,000 mm)
- Drum Diameter: 1.9 ft (580 mm)
- Wheelbase: 4.9 ft (1,480 mm)
- Ground Clearance: 0.7 ft (210 mm)

Features:

- ROPS and Cab options for operator safety and comfort
- Dual drum vibration for efficient compaction
- High-frequency vibration for excellent compaction results
- Articulated steering for enhanced maneuverability
- Hydrostatic drive for smooth operation and precise control
- Easy access to maintenance points for simplified servicing
- Ergonomic operator controls for ease of use