## ENGINE
- **Manufacturer**: Cummins con certificación Tier III
- **Model**: QSB 3.3 C99
- **Rated power**: 99 hp (74.5 kW)

## ELECTRICAL SYSTEM
- **Voltage**: 24 V
- **Batteries**: 2 - 61 A
- **Alternator**: 45 A

## STEERING
- **Gear pump**: 1
- **Cylinders**: 2
- **Angle (left/right)**: 36°
- **Swing angle**: 12°
- **Inside turning radius**: 3.09 m (10.2 ft)
- **Turning radius – outside**: 4.68 m (15.3 ft)

## WEIGHT
- **Operating weight**: 7,140 kg (15,741 lb)
- **Max. weight**: 7,585 kg (16,722 lb)
- **Drum weight**: 4,020 kg (8,863 lb)
- **Static linear load**: 23.9 kg/cm (134 lb/in)
- **Ballast**: 420 kg (926 lb)

## DRIVE
- **Type of hydraulic circuit**: Closed
- **Axial piston drive pump**: 1
- **Fixed displacement of the wheel**: 2
- **Fixed displacement of the drum**: 1
- **Variable displacement of the wheel**: 2
- **Variable displacement of the drum**: 1
- **Differential lock between wheels**: Yes
- **Articulated chassis**: Yes
- **Differential lock between wheels**: Yes
- **Tires**: 14.9 x 24 in BPR Smooth drum - Diamond tread, Leg of lamb drum - Traction tread
- **Ballast in tire**: Yes

## VIBRATION
- **Type of hydraulic circuit**: Closed
- **Variable displacement axial piston pump**: 1
- **Fixed displacement hydraulic motor**: 1
- **Vibration**: 2 eccentric weights
- **Vibration modes**: 2
- **Frequency mode 1**
  - **Frequency**: 2,400 vpm (40 Hz)
  - **Nominal amplitude**: 86 mm (0.034 pulg)
  - **Centripetal force**: 130 kN (29,225 lb)
  - **Linear dynamic load**: 765 N/cm (443 lb/pulg)
- **Frequency mode 2**
  - **Frequency**: 1,800 vpm (30 Hz)
  - **Nominal amplitude**: 1.7 mm (0.067 pulg)
  - **Centripetal force**: 145 kN (32,597 lb)
  - **Linear dynamic load**: 853 N/cm (494 lb/pulg)
- **Tires**: Type 14.9 x 24 in BPR Smooth drum - Diamond tread, Leg of lamb drum - Traction tread, Ballast in tire
- **Ballast**: Yes

## CAPACITY
- **Fuel tank**: 260 l (72.7 gal)
- **Engine oil**: 11 l (12 qt)
- **Engine coolant**: 19 l (20 qt)
- **Hydraulic tank**: 73 l (77 qt)
- **Transmission**: 2.5 l (2.6 qt)
- **Transmission axle**: 2.5 l (2.6 qt)
- **Vibration system**: 6.7 l (7.1 qt)
- **Ballast**: Yes

## CAB
- **Isolated from the chassis by flexible cushions, handrails, two rear view mirrors, forward lighting, instrument panel with vandal protection, front and rear windscreen wiper / washer and aerators. The cab door can be locked in the open position (pneumatic support). Exceptional visibility forward and backward. ROPS**
- **ROPS and FOPS cab**: Yes
- **Vandal-proof protection**: Yes
- **Hydrostatic drive for drum and wheels**: Yes
- **Two vibrations amplitudes**: Yes
- **Differential lock between wheels**: Yes
- **Articulated chassis**: Yes
- **Front and rear towing points**: Yes
- **Disposition of 4 points lifting and mooring**: Yes
- **14.9 X 24 L3 tires**: Yes
- **Electro-hydraulic platform and hood tilt**: Yes
- **Fan protector**: Yes
- **Alternator protector**: Yes
- **Backup alarm**: Yes
- **Ballast for tires**: -25°C (-13°F)
- **Halogen headlights, 2 front/ 2 rear**: Yes
- **Self-vibration control**: Yes
- **Centralized diagnostic door**: Yes
- **Master switch-off**: Yes
- **Spring applied hydraulically released parking brake**: Yes
- **Single lever for speed/direction control**: Yes
- **Steering wheel fast knob**: Yes
- **Vinyl swivel seat, suspension and folding armrests**: Yes
- **51 mm (2 in) retractable seatbelt**: Yes
- **Lockable toolbox**: Yes
- **Cupholders**: Yes
- **Horn**: Yes
- **Emergency stop button**: Yes
- **Anti-skid traction control with components of maximum traction (leg of lamb version)**: Yes
- **Threaded fuel filters, engine oil and hydraulic**: Yes
- **LCD monitor**: Yes
OPTIONAL EQUIPMENT

- Operator's cab with heating and ventilation
- Air conditioning
- Beacon
- Leveling plate with adjustable sliding shoes
- Leg of lamb drum
- Leg of lamb housing for smooth drum
- Compaction indicator
- Engine speed indicator
- Air intake precleaner
- 76 mm (3 in) retractable seatbelt
- Anti-skid traction control with maximum traction components for smooth drum

DIMENSIONS

A. Wheelbase: 2.6 m (101 in)
B. Drum diameter: 1.3 m (51 in)
C. Ground clearance: 0.38 m (15.2 in)
D. Distance to the curb: 0.37 m (14.8 in)
E. Overall height: 2.9 m (113 in)
F. Muffler height: 2.2 m (87 in)
G. Total length: 5.2 m (205 in)
H. Drum width: 1.7 m (66 in)
J. Total width: 1.88 m (74 in)
K. Frame lengths: 0.095 m (3.7 in)
L. Drum thickness: 0.025 m (1.0 in)
M. Leg of lamb height: 80 mm (3.1")

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