ENGINE
Make: Kubota D1803
Emissions Certification: Tier 4 Final
Type: Diesel
Cylinders: 3
Bore/Stroke: 3.46 x 3.54 in (88 x 90 mm)
Displacement: 111 in\(^3\) (1,826 cm\(^3\))
Fuel: #2 Diesel
Cooling: Liquid
Rated engine speeds: 2100/2400 RPM
Horsepower @ 2400 RPM:
- Gross: 33.5 hp (25 kW)
Max. Engine Torque @ 1500 RPM:
- 85.4 lb ft (115.8 Nm)

DRIVETRAIN
Drive: Hydrostatic
Max. working speed: 3.7 mph (6.0 kph)
Max. travel speed: 6.8 mph (11 kph)
Service brake: Hydrostatic
Parking brake: SAHR
Emergency brake: SAHR
Drum drive: Front and rear
Drive pump motors:
- Variable displacement: 1
- Fixed displacement: 2
Max. relief pressure: 5,221 psi (36 MPa)
Gradeability (vibration off): 30% (30%)

ELECTRICAL
Voltage: 12 Volts
Battery: 1 x 12 Volt
Battery reserve capacity: 77 Ah/20 hour
Cold cranking amps: 760 CCA

OPERATOR ENVIRONMENT
- Insulated from chassis by flexible shock absorbers; Handrail; Instrument panel;
- Anti-vandal guard; Lateral sliding seat;
- Foldable ROPS protection; Smooth single lever speed and direction control w/vibration and water on/off controls.

OPERATING WEIGHT
- Operating weight: 4,920 lb (2,230 kg)
- Max. weight: 5,270 lb (2,390 kg)
- Static linear load:
  - Front drum: 20 lb/in (11.6kg/cm)
  - Rear drum: 30 lb/in (11.6kg/cm)

SERVICE CAPACITIES
- Fuel tank: 9.2 gal (35 L)
- Engine oil: 7.4 qt (7 L)
- Cooling system: 7.1 qt (6.7 L)
- Hydraulic system – reservoir: 7.5 gal (28.5 L)
- Water tank: 50.2 gal (190 L)

OTHER SPECIFICATIONS
- Steering:
  - Type: Oscillation/Articulated
  - Method: Hydrostatic
  - Pump type: Gear
  - Steering angle – left and right: 30°
  - Oscillation angle +/-: 6.5°
  - Inside turning radius: 103.5 in (2,630 mm)
  - Outside turning radius: 147.6 in (3,750 mm)
- Vibration:
  - System design: Series
  - Pump type: Gear
  - Drum vibration: Front and rear
  - Frequency:
    - Low: 3,480 vpm (58 Hz)
    - High: 3,960 vpm (66 Hz)
  - Number of amplitudes: 1
  - Amplitude: 0.021 in (53 mm)
  - Centrifugal force – each drum: 9,217 lb (41 kN)

STANDARD EQUIPMENT
- Foldable ROPS
- Anti-vandal guard
- Hydrostatic drive
- Articulated chassis
- Hydraulic oil cooler
- Backup alarm
- Tapered drum edges
- Vulcollon scrapers – adjustable
- Master disconnect switch
- Horn
- Hourmeter
- 4-point lift and tie down provision
- Flip open hood
- Spin-on fuel, engine oil, and hydraulic filters

OPERATOR ENVIRONMENT
- Lateral shifting suspension seat w/ foldable arms
- 3 in (76.2 mm) retractable seat belt
- Emergency stop button
- Electric fuse protection
- Drive lever with vibration and water switch

INDICATOR LIGHTS
- Battery
- Engine oil pressure
- Intake preheater
- Engine temperature
- Parking brake on/off
- Hydraulic oil temperature
- Low fuel indicator
- Worklight indicator
- Turn signal indicator
- Fuel gauge
- Operator hours

WATER SYSTEM
- Pressurized water system
- 2-stage water filtration
- Water system drains
- 50.2 gal (190 L) Polyethylene water tank

VIBRATION SYSTEM
- Dual drum vibration
- Dual frequency vibration
- Front/Dual drum vibration control
- Auto vibration stop in neutral

OPTIONAL EQUIPMENT
- Rotating beacon
- Weather canopy
- Steel canopy
- 2 in (51 mm) retractable seat belt
- Tippable drum scraper
- Infrared thermometer
- Edge cutter
- 2 lights on ROPS (N/A on Weather Canopy)
- Arm rests on seat
- Right & Left Side drive levers
- Heated seat
- ACE Force Intelligent compaction
- Locking water tank cap

Other
Line drawings are for illustrative purpose only and may not be exact representation of unit.

**DIMENSIONS**

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<tr>
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<tbody>
<tr>
<td>A.</td>
<td>Wheelbase</td>
<td>68.5 in (1 740 mm)</td>
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<tr>
<td>B.</td>
<td>Drum diameter</td>
<td>27.4 in (695 mm)</td>
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<tr>
<td>C.</td>
<td>Ground clearance</td>
<td>11.0 in (280 mm)</td>
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<tr>
<td>D.</td>
<td>Overall height</td>
<td>100.4 in (2 550 mm)</td>
</tr>
<tr>
<td>E.</td>
<td>Folded ROPS height</td>
<td>76.2 in (1 935 mm)</td>
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<tr>
<td>F.</td>
<td>Overall length - ROPS down</td>
<td>101.8 in (2 585 mm)</td>
</tr>
<tr>
<td>G.</td>
<td>Overall length - ROPS up</td>
<td>98.4 in (2 500 mm)</td>
</tr>
<tr>
<td>H.</td>
<td>Drum width</td>
<td>39.4 in (1 000 mm)</td>
</tr>
<tr>
<td>I.</td>
<td>Overall width</td>
<td>44.5 in (1 130 mm)</td>
</tr>
<tr>
<td>J.</td>
<td>Drum thickness</td>
<td>0.5 in (13 mm)</td>
</tr>
<tr>
<td>K.</td>
<td>Drum offset</td>
<td>1.6 in (40 mm)</td>
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