Soil Stabilizer/Reclaimer

**SX-6**

**ENGINE**
- SX-6e: Tier 4i; Cummins® QSX15 600 hp (447 kW) Diesel @ 1,800 rpm
- SX-6ex: Tier 3; Cummins® QSX-15 600 hp (447 kW) @ 1,800 rpm*

* ex machines for lesser regulated countries

**SHIPPING WEIGHT**
- 68,000 lbs (29,480 kg)
Versatility
The mid-size SX-6 offers a rare combination of power and mobility allowing it to excel in different applications. The SX-6 is equipped with a high performance 6-cylinder diesel engine that provides power to the rotor through a direct drum drive. The machine is capable of cutting up to 20” (508mm) deep and 100” (2,540mm) wide. Whether performing road rehabilitation, cold recycling, or soil stabilization, the Roadtec SX-6 will meet and exceed your expectations.

Efficient Performance
A variable geometry cutter housing enables the SX-6 to obtain a quality material gradation with each pass. The variable geometry design positions the cutter in a way that promotes material sizing as well as the flow of the material. Heavy duty front and rear doors are hydraulically adjustable for additional control of gradation and flow.
Operator Comfort
The operator seat slides laterally and swings 90° to help create the perfect vantage point from which to work. The operator platform also slides 18” past the right of the machine for additional visibility. The ergonomic design of the sealed cabin situates the operator in optimal position to reach all important controls and systems. The machine’s controls are conveniently arranged to allow for safe and convenient machine operation. Joystick controls and four different steering modes increase the machine’s maneuverability and ease of operation.

Cooling System
The SX-6 cooling system introduces air from the cleanest area possible before it is exhausted through the rear radiator package. By pulling air from the top of the machine, the amount of dust traveling through the cooling system is limited. Clean-out panels provide convenient access for radiator maintenance.

Weight Balance
Weight balance is critical in all stabilization and reclamation applications. The weight of the SX-6 is perfectly distributed between the two axles, allowing the machine’s 600 horsepower to be applied as efficiently as possible. With weight balanced over the cutter, the machine is better equipped to perform in the most difficult project environments.

Air-Shift Transmission
An air-shift 4-speed transmission allows the change of cutter speeds without a loss in production on the SX-6. The operator can select the appropriate cutter speed for the current conditions without making modifications the cutter drive, saving an enormous amount of time and effort.

Options

Water & Emulsion Additive System
- 500 gpm (1,893 lpm) capacity with fully automatic controls and manual override.

Expanded / Foamed Additive System
- Hot oil-jacked spray bar & foaming nozzles that pre-mix air and water with asphalt.

Tow Hitch
- Rear assembly tow hitch to pull tanker.

20” (508 mm) Cut Depth
- 58” (1,473 mm) diameter drum required.

Additional Lighting
- (4) 24v high intensity discharge lights.
SPECIFICATIONS

ENGINE
- SX-6e: Tier 4i; Cummins® QSX15 600 hp (447 kW) Diesel @ 1,800 rpm
- SX-6ex: Tier 3; Cummins® QSX-15 600 hp (447 kW) @ 1,800 rpm

WEIGHT
- Shipping weight .................................................. 70,000 lbs (31,818 kg)
- Operating weight ............................................... 73,000 lbs (33,180 kg)

ELECTRICAL SYSTEM
- CAN-bus serial communication systems for superior performance, reduced wiring, increased reliability & improved service and maintenance features.

PROPEL SYSTEM
- 2-speed hydrostatic drive
- 4-wheel drive with 4 pumps

SPEED
- Travel 6 mph (10 kph)
- Work 266 fpm (81 mpm)

TIRES
- Heavy-duty, single-piece wheels prevent rim slippage and tire failure. High-flotation, deep tread 26LR28 tires.

STEERING
- Joy stick-controlled. Four steering modes: coordinated steer, crab steer, front steer only, rear steer only.
- Turning radius 14’(4,267 mm) in cut

OPERATOR STATION
- Fully enclosed and pressurized with A/C and heating system
- The cab can extend up to 18”(457 mm) to the right side of the machine

INJECTION SYSTEM
- Water or emulsion
- Up to 500 gpm (1,893 lpm)

CUTTER SYSTEM
- Multi groove v-belts
- Hydraulic Clutch
- 4 speed air shift transmission
- Planetary gearbox final drive with auto belt tension

CUTTER
- Right-hand flush cut
- Cutting width .................................................. 100”(2,540 mm)
- Cutting depth .................................................. 16”(406 mm)
  with 50” drum (1,270 mm)
- Max cutting depth ........................................ 20”(508 mm) (with 58” drum)
  with 58” drum (1,473 mm)

CUTTER SPEEDS
- Number of speeds: 4
  - Speed 1 .......................................................... 87 rpm
  - Speed 2 .......................................................... 112 rpm
  - Speed 3 .......................................................... 138 rpm
  - Speed 4 .......................................................... 170 rpm

SERVICE CAPACITIES
- Fuel Tank .......................................................... 320 gal (1211 l)
- Hydraulic Fluid Tank ........................................ 62 gal (234 l)
- Air System ......................................................... 30 gal (114 l)

Dimensions in brackets are mm.

Specifications are subject to change without notice.

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