



Cat[®] RM500B

Reclaimer/Stabilizer

FEATURES:

■ Easy To Use

- Controls conveniently positioned; allows one-handed operation
- Touch screen display provides clear instrumentation and alerts operator to potential problems
- Low training costs
- Innovative handwheel steering technology eliminates front console and delivers precise control

■ Reliable, Efficient Operation

- Powerful Cat[®] C15 engine meets US EPA Tier 4 Final and EU Stage V emission standards
- Standard electronically controlled all-wheel drive system and four steering modes maximize traction and mobility even in poor conditions

■ Easy Service

- Most maintenance items within reach from ground
- Cooling fan auto reverses to self-clean
- Easy access to hydraulic components
- Electronic Control Module (ECM) monitors engine and systems, alerting operator to performance issues and providing troubleshooting information; full Cat Electronic Technician (Cat ET) support
- High parts availability, convenient dealer locations

■ Excellent Visibility

- Cab slides left and right to optimize sight lines
- Good visibility to rotor housing and discharge material
- Operator able to align cut on left or right side
- Operator seat rotates 180 degrees for enhanced visibility
- Standard front, rear and rear chamber door WAVS remote cameras

■ Dependable Rotor Drive System

- Automatic lubrication of rotor bearings
- Cat Powershift transmission with hydraulic clutch
- Self-lubricating chain drive does not need adjusting
- Heavy duty shear disk or optional torque limiter protects rotor drive

■ Superior Mix Quality

- Rotor options for any task
- Three rotor speeds, selected electronically
- Electronic machine control keeps rotor at proper depth and machine at consistent speed, ensuring optimal blending performance
- Floating variable volume mixing chamber

■ Optional Water and/or Emulsion Spray Systems

- Simplifies incorporation of water or additives, improves blending
- Ensures proper proportions to meet material design specifications
- Enhanced totalizer and application rate accuracy
- Ultra Low-flow Water Spray System available



- 1 Rotating Heated Seat and Console with Touchscreen Display
- 2 Handwheel Steering
- 3 Cat C15 Engine

- 4 Sliding Cab
- 5 Optional Water Pump and Emulsion Pump
- 6 Electronically Controlled Full Time All-wheel Drive



RM500B Reclaimer/Stabilizer

Specifications

Operating Weight*

| | |
|-------------------------|-----------------------|
| with Universal Rotor 16 | 28 400 kg (62,611 lb) |
| with Universal Rotor 18 | 28 770 kg (63,427 lb) |
| with Combination Rotor | 27 439 kg (60,493 lb) |
| with Soil Rotor | 28 261 kg (62,283 lb) |

Powertrain

| | |
|-------------------------|-----------------------------------|
| Engine Model | Cat C15 |
| Emissions | U.S. EPA Tier 4 Final /EU Stage V |
| Gross Power - SAE J1995 | 407 kW (546 hp) |
| Net Power - ISO 14396 | 402 kW (539 hp) |
| Operating Speed | 0-3.0 km/h (0-1.9 mph) |
| Maximum Travel Speed | 10.5 km/h (6.5 mph) |

Drive System

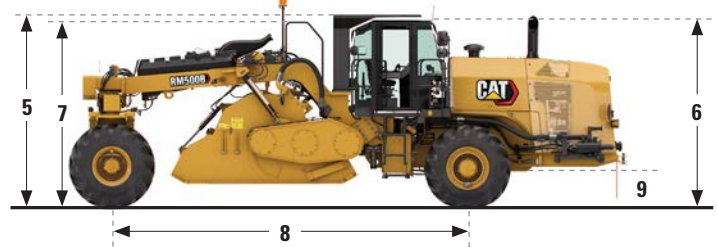
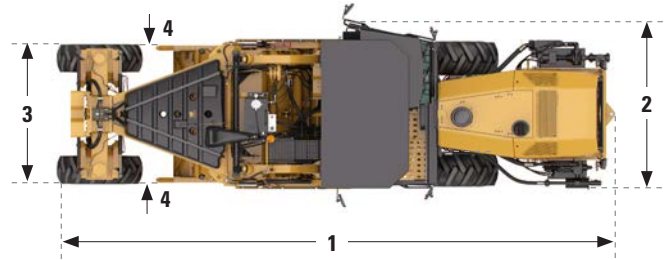
| | |
|--------------|-------------------------------|
| Propel | Hydrostatic – All-wheel Drive |
| Rotor Drive | 3-Speed Chain |
| Rotor Speeds | 110 / 152 / 205 rpm |

Service Refill Capacities

| | |
|----------------|------------------|
| Fuel | 1056 L (279 gal) |
| DEF | 46 L (12.2 gal) |
| Cooling System | 70 L (18.5 gal) |
| Engine Oil | 52 L (13.7 gal) |
| Hydraulic Oil | 224 L (59.2 gal) |

* Operating Weights are approximate and include ROPS, cab, coolant, lubricants, 50% full fuel tank and 75 kg (165 lb) operator.

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.9 kg of refrigerant which has a CO₂ equivalent 2.717 metric tonne.



Dimensions

| | | |
|------------------------|---------|----------|
| 1 Overall Length | 10.32 m | 33.83 ft |
| 2 Overall Width | 2.98 m | 9.58 ft |
| 3 Width at Rear Wheels | 2.82 m | 9.17 ft |
| 4 Rotor Hood Width | 2.53 m | 8.25 ft |
| 5 Height at ROPS | 3.59 m | 11.78 ft |
| 6 Height at Cab | 3.50 m | 11.48 ft |
| 7 Height at Handrail | 3.47 m | 11.38 ft |
| 8 Wheelbase | 6.55 m | 21.33 ft |
| 9 Ground Clearance | 506 mm | 19.9 in |
| Inside Turning Radius | 4.33 m | 14.2 ft |

Optional Equipment

- Torque Limiter
- Warning Beacon
- Bolt-on Counterweight
- Emulsion Spray System
- Water Spray System
- Ultra Low-flow Water Spray System
- Rooding Lights
- Folding Telescoping Push Bar
- Commissioning Support



Rotor Options

| | Universal 16 | Universal 18 | Combination | Soil |
|---------------|--------------------|--------------------|--------------------|--------------------|
| Cutting Width | 2438 mm (96 in) | 2438 mm (96 in) | 2438 mm (96 in) | 2438 mm (96 in) |
| Diameter | 1375 mm (54 in) | 1375 mm (54 in) | 1625 mm (64 in) | 1625 mm (64 in) |
| Maximum Depth | 406 mm (16 in) | 457 mm (18 in) | 508 mm (20 in) | 508 mm (20 in) |
| Cutting Bits | 200 | 200 | 114 | 238 |
| Rotor Weight | 4003 kg (8,824 lb) | 4373 kg (9,642 lb) | 3042 kg (6,706 lb) | 3864 kg (8,496 lb) |

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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