



Cat[®]

RM500B

ROTARY MIXER

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 ACERT™ engine meets US EPA Tier 4 Final and EU Stage IV 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 and rear WAVS remote cameras; optional rear chamber door camera

■ Dependable Rotor Drive System

- Automatic lubrication of rotor bearing
- 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 ACERT Engine

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



RM500B Rotary Mixer

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 ACERT™
Global Emissions	US EPA Tier 4 Final /EU Stage IV
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

Rotor	3-speed Chain
Propel	Hydrostatic - All-wheel Drive

Rotor Speed

First	110 rpm
Second	152 rpm
Third	205 rpm

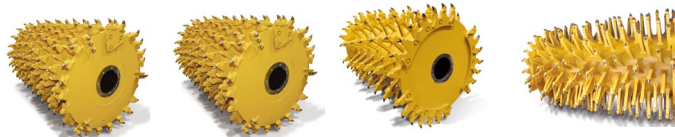
Service Refill Capacities

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)

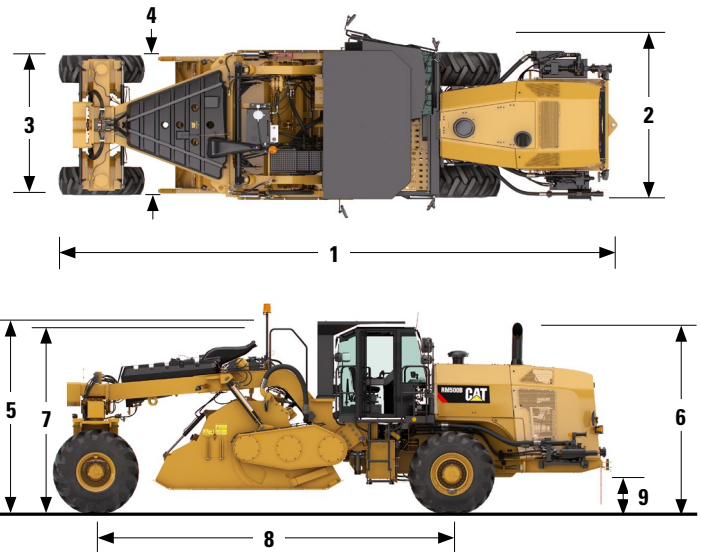
* Operating Weights are approximate and include ROPS Cab, coolant, lubricants, 50% full fuel tank and 75 kg (165 lb) operator.

** Universal Rotor 18 only available in Europe.

Rotor Options



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



Dimensions

Dimension	Meters	Feet
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
- Product Link™
- Emulsion Spray System
- Water Spray System
- Ultra Low-flow Water Spray System
- Mirror Package
- Rooding Lights
- WAVS Camera, Chamber Door
- FOPS
- ROPS
- Folding Telescoping Push Bar
- Commissioning Support

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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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment.

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