

RM500B ROTARY MIXER
MINNEAPOLIS, MN, USA (SAP)

Ship Weight
lbs

LIST PRICE
AT DEALER

Standard Equipment:

POWERTRAIN

CAT C-15, ACERT, 6-cylinder
turbocharged diesel engine,
Air cleaner, dry-type dual element with
precleaner
Air-to-air after cooler (ATAAC)
Belt, serpentine, automatic tensioner
Demand fan
Fuel filter / water separator
Fuel priming pump, electric
Ground level engine shutdown
Propel system - All Wheel Drive
4 propel pumps, 4 propel motors
Electronically managed differential
Two-speed, axial piston hydraulic
motors (4) with 2F/2R speeds
Heavy-duty, wheel planetary gearsets
Brakes, oil-bath, sealed at each wheel
Secondary parking brake switch
Engine load / speed control, automatic
Steering, four modes:
-front
-crab
-coordinated
-rear

ELECTRICAL

Alarm, back-up
Alternator, 150-amp
Batteries, two maintenance free,
1365 CCA each
Horn, warning (front & rear)
Lighting system
-6 halogen,
-adjustable floodlights
(2 front, 2 rear, 1 facing rotor
chamber door)
Starting and charging system, 24-volt
Product link ready

OPERATOR ENVIRONMENT

Access ladder, left and right side
Electric heated seats
Touch screen display showing:
-engine speed, rpm
-engine temperature
-hydraulic temperature
-engine coolant, fuel level
-rotor transmission temperature
-engine oil, pressure
-voltage indicator
-front and rear door aperture
-liquid additive controls
Platform handrails / guardrails
Electronic mini wheel steer

Multi-function drive lever
Front and rear travel cameras
Adjustable arm rest
Seat, suspension, 90 degree L/R rotating
Seat belt, retractable, 76 mm (3") wide
Sliding operator station, full width hyd
Warning system, action light and horn
Air conditioner with heater
Audio ready system with speakers
Positive pressure cabin

APPLICATION SPECIFIC COMPONENTS

Axle, heavy-duty
Depth control, automatic
Dual sealed chain cases
Self-lubricating rotor end bearings
Single strand drive chains
Maintenance free u-joint drive shafts
Transmission, 3-speed, powershift

FLUIDS

50% extended life coolant for freeze
protection to -37C (-35F)

OTHER STANDARD EQUIPMENT

Doors, service access, hinged
Ecology drains
Electrical system
Circuit breaker panel and disconnect
switch
Machine diagnostic connector (CAT ET)
Charging receptacle for emergency
start, ground level
Engine enclosure
Fuel tank with sediment drain,
1056 L (279 gal)
Guard, (crankcase and powertrain)
Hitch, front bumper with pin
Hydraulic system
Filters, grouped, ground level service
Oil cooler
Pressure test ports, quick-connect
Rotor chamber doors, F & R, hyd with
electronic position indicators
Rotor hood lock-up device
Rotor hood side access doors
Rotor transmission oil cooler
Sight gauges (engine coolant,
hydraulic oil level, rotor bearing
lube reservoir)
S.O.S. sampling ports
Steering guide chains (2)
Transport tie-down and lift ports
Vandalism protection cap locks
Variable volume mixing chamber

RM500B ROTARY MIXER
MINNEAPOLIS, MN, USA (SAP)

Ship Weight
lbs

LIST PRICE
AT DEALER

**Lane 2 is reserved for the Base Order Management Program.
Please use Lane 2 when placing orders that are part of the
Base Order Management program.**

581-2680	RM500B ROTARY MIXER 0	\$686,000
	LANE 2 - AVAILABLE FROM MINNEAPOLIS FACTORY	
	LANE 3 - AVAILABLE FROM MINNEAPOLIS FACTORY	

AVAILABLE FOR: AM-N, EU

0P-3552	RM500B MISC MATL 0	NC
	AVAILABLE FROM MINNEAPOLIS FACTORY	
	Only reference numbers that have the text	
	"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" can be used on a MISC order.	

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER
-----	------------	----------------------	--------------------	-------------------------

LANE SELECTION

OP-9002	LANE 2 ORDER	0	NC
	Only for dealers enrolled in the Base Orders Management (BOM) program.		
OP-9003	LANE 3 ORDER	0	NC

POWERTRAIN**ENGINE**

L	560-3149	ENGINE, CAT C15	0	NC
		Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.		
		ONLY FOR USE WITH: 581-2680 RM500B ROTARY MIXER		

ROTOR DRIVE PROTECTION

L	151-7256	DISC, DRIVETRAIN SHEAR	77	NC
		Heavy-duty shear disc protects rotor drive components from torsional stress and shocks by use of a quick change shear bolt.		
L	153-1356	TORQUE LIMITER.	140	\$13,630
			140	\$13,630 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
		Protects rotor drive train by limiting force sent to transmission in the event the rotor strikes a large object. Friction torque limiter is adjustment-free and is installed between the rotor transmission and rotor drive axle. When excess rotor loading occurs, the limiter slips momentarily without interrupting machine operation.		

HYDRAULICS**SPRAY SYSTEM WATER**

L	379-8944	SPRAY, WATER	843	\$33,570
			843	\$33,570 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
		Provides accurate addition of water to processed material. System includes a 30-300 gpm centrifugal pump (installed on front, left corner of machine), in-line flow meter, 16 nozzle spray bar with 3 nozzle sizes and a hydraulically controlled single valve spray bar shut-off. Operator controls integrated into standard operator display panel.		
		REQUIRES: 433-5807 SPRAY, ONE, ADD ON READY or 433-5808 SPRAY, DUAL, ADD ON READY		
L	462-9779	SPRAY, WATER ULTRA LOW FLOW	694	\$28,680
			694	\$28,680 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
		Provides accurate addition of water to processed material. System includes a 16-160 gpm centrifugal pump (installed on front, left corner of machine), in-line flow meter, 16 nozzle spray bar with 2 nozzles sizes and a hydraulically controlled single valve spray bar shut-off. Operator controls integrated into standard operator display panel.		
		REQUIRES: 433-5807 SPRAY, ONE, ADD ON READY or 433-5808 SPRAY, DUAL, ADD ON READY		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER
-----	------------	----------------------	--------------------	-------------------------

HYDRAULICS (CONT.)***SPRAY SYSTEM WATER (Cont.)***

L	423-8795	PLUG, NO WATER PUMP OPTION	4	NC
---	----------	--------------------------------------	---	----

SPRAY SYSTEM EMULSION

L	379-9700	SPRAY, EMULSION	799	\$60,510
			799	\$60,510 NI

ALSO AVAILABLE ON A MISCELLANEOUS ORDER
Provides improved processed material through precisely metered addition of liquid additive. System includes a 30-250 gpm rotary vane pump (installed on front, right corner of machine), in-line flow meter, microprocessor control, 16 nozzle spray bar with 3 nozzle sizes and hydraulically controlled spray bar shut-off. Operator controls integrated into standard operator display panel. REQUIRES: 433-5807 SPRAY, ONE, ADD ON READY or 433-5808 SPRAY, DUAL, ADD ON READY

L	438-2255	PLUG, NO EMULSION PUMP OPTION	4	NC
---	----------	---	---	----

OPERATOR ENVIRONMENT

L	377-0276	CAB.	2,464	\$45,200
---	----------	--------------	-------	----------

Operator cab slides fully to both sides of platform using hydraulic assist. Includes rotating cloth seat, handrails, dual access ladders, left and right side doors with locks, air conditioner, heater, defroster, dome lamp, dual front and rear wet-arm wipers/washers, tinted windows, 12V-power receptacle, two-cup holders and floor mat. Cab is pressurized and is radio-ready with 12-V (20-amp) converter, antenna and cable, two speakers and a headliner location for mounting ex-factory installed radio.

ONLY FOR USE WITH: 581-2680 RM500B ROTARY MIXER

TECHNOLOGY PRODUCTS***PRODUCT LINK (Must Select One)***

Product Link enables the remote transmission of information about the location, operation, and condition of your equipment. Efficiently and effectively monitor the performance of your assets to help keep your jobs on schedule, maintain equipment condition, and reduce the cost of owning and operating your fleet. Availability varies by country - please reference <https://Dealer.cat.com/PL/Certification> for certified countries. Please contact your Caterpillar marketing representative with questions.

L	490-1774	PRODUCT LINK, CELLULAR PL641	22	NC
---	----------	--	----	----

Product Link Basic series PL641 uses cellular networks to transmit location, utilization and health information for viewing in Product Link user applications. Cellular technology provides capabilities for frequent transmission and larger volumes of data.

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER
-----	------------	----------------------	--------------------	-------------------------

TECHNOLOGY PRODUCTS (CONT.)***PRODUCT LINK (Must Select One) (Cont.)***

L	481-4136	PRODUCT LINK, SATELLITE PL631 22 Product Link Pro series PL631 uses a satellite network to transmit location, utilization and health information for viewing in Product Link user applications. For use in areas with poor or no cellular coverage.		\$439
---	----------	---	--	--------------

TIRES, RIMS, AND WHEELS***TIRES, FRONT***

L	379-3203	TIRES, FRONT 2,385 Includes two tires mounted on multi-piece rims for front of machine. Titan LS-150 26.5" x 25" 16 ply rating L-4 with valve guard. Provides excellent traction and flotation capability for use in both asphalt reclamation and soil stabilization applications.		\$-335
---	----------	--	--	---------------

TIRES, REAR

L	379-3209	TIRES, REAR 1,597 Includes two tires mounted on single-piece rims for rear of machine. Goodyear Logger Lug III 23.1"-26" 16 ply rating LS-2 with valve guard. Provides excellent traction and flotation capability for use in both asphalt reclamation and soil stabilization applications.		\$1,115
---	----------	---	--	----------------

OTHER ATTACHMENTS***ROTOR DRIVE SYSTEM***

NOTE: All rotors below are an up-cut configuration and have a 96" (2438 mm) cutting width. Please consult factory for custom rotors.

L	287-1724	ROTOR, 16" UNIVERSAL 9,000 9,000		\$64,300 \$64,300 NI
<p>ALSO AVAILABLE ON A MISCELLANEOUS ORDER Designed primarily for use in asphalt reclamation with secondary application in soil stabilization. Maximum cutting depth is 40.6 cm 16 in. Diameter over bits is 1375 mm (54 in) with 15.9 mm (0.625 in) bit spacing. Includes breaker bar and 200 point-attack carbide-tipped tools with 19 mm (0.75 in) bit shank diameter. Tools are mounted in drive-in/knock-out breakaway bolt-on tool holder with kicker paddles. Triple-tree tools on rotor ends. NOTE: Reclamation counterweight kit is recommended for tough cutting applications exceeding 25 cm (10 in) of asphalt.</p>				

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER
-----	------------	----------------------	--------------------	-------------------------

OTHER ATTACHMENTS (CONT.)**ROTOR DRIVE SYSTEM (Cont.)**

L	229-3180	ROTOR, 18" UNIVERSAL 9,600 9,600 ALSO AVAILABLE ON A MISCELLANEOUS ORDER Designed primarily for use in asphalt reclamation with secondary application in soil stabilization. Maximum cutting depth is 45.7 cm (18 in). Diameter over bits is 1525 mm (60 in) with 15 mm (0.6 in) bit spacing. Includes breaker bar and 200 point-attack carbide-tipped tools with 19 mm (0.75 in) bit shank diameter. Tools are mounted in drive-in/knock-out breakaway bolt-on tool holder with kicker paddles. Triple-tree tools on rotor ends.		\$69,240 \$69,240 NI
L	250-3960	ROTOR, 20" STABILIZATION 8,425 8,425 FOR USE WITH LANE 3 ONLY ALSO AVAILABLE ON A MISCELLANEOUS ORDER Designed primarily for use in soil stabilization with secondary application in asphalt reclamation. Maximum cutting depth is 50.8 cm (20 in). Diameter over bits is 1625 mm (64 in) with 11.5 mm (0.45 in) bit spacing. Includes 238 point-attack carbide-tipped tools with 19 mm (0.75 in) bit shank diameter that are mounted in weld-on design tool holders. Three piece bolt-on end rings protect rotor from wear.		\$45,190 \$45,190 NI
L	272-6090	ROTOR, 20" COMBINATION 6,685 6,685 FOR USE WITH LANE 3 ONLY ALSO AVAILABLE ON A MISCELLANEOUS ORDER Designed primarily for use in soil stabilization with secondary application in light cuts of asphalt reclamation. Maximum cutting depth is 50.8 cm (64 in). Diameter over bits is 1625 mm (64 in) with 32 mm (1.25 in) bit spacing. Includes 114 point-attack carbide-tipped tools with 22 mm (0.875 in) bit shank diameter that are mounted in drive-in/knock-out breakaway bolt-on tool holders. Three piece bolt-on end rings protect rotor from wear. Gradation performance will be less than the 18" Universal Rotor or 20" Stabilization Rotor. Intended for applications where material gradation is of less importance and where higher working speeds are desired.		\$62,760 \$62,760 NI
L	424-3413	ROTOR, NONE 227 FOR USE WITH LANE 3 ONLY Cross bar required for shipping stability.		\$1,755

COMMISSIONING SUPPORT

NOTE: It is recommended that the startup and commissioning of machines be included as part of the machine sale. The net charge covers a three day commissioning event. Trained personnel cover proper machine setup, basic maintenance, operation and application on a customer's jobsite. To request and schedule a machine commissioning event, dealers will need to contact the Caterpillar Paving Technical Training group by filling out the online request form.

URL: https://www.catpaving.com/registration/class_request_form

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER
-----	------------	----------------------	--------------------	-------------------------

OTHER ATTACHMENTS (CONT.)**COMMISSIONING SUPPORT (Cont.)**

OP-2586	COMMISSIONING, NEEDED	0	\$6,420 NET
	ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
	Commissioning Needed, trained personnel are required to properly		
	commission the machine.		
OP-2587	COMMISSIONING, NOT NEEDED	0	NC
	Commissioning, Not Needed, dealer personnel are available to		
	properly commission the machine.		

FLUIDS**HYDRAULIC OIL**

L	384-9589	OIL, HYDRAULIC STANDARD	370	NC
L	384-9590	OIL, HYDRAULIC BIO	370	\$1,840
		FOR USE WITH LANE 3 ONLY		

INSTRUCTIONS**DECAL PACKAGES**

L	384-9598	FILM, NORTH AMERICA	0	NC
		ANSI picto warning decals using symbols plus the word "WARNING"		
		as required for North America (except Quebec, Canada).		
		ONLY FOR USE WITH: 581-2680 RM500B ROTARY MIXER		

USE	REF NO.	LANE 2 / 3 OPTIONAL	Ship Weight lbs	LIST PRICE AT DEALER
-----	------------	---------------------	--------------------	-------------------------

ELECTRICAL

P	382-9531	LIGHTS, ROADING	24 24	\$2,055 \$2,055 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Roading light package for highway transport purposes. Includes 2 front-facing headlights, 2 side amber lamps, 2 front and 2 rear amber turn signal/hazard lamps, and a slow moving vehicle sign.		
P	234-0310	LIGHT, WARNING BEACON	15 15	\$1,095 \$1,095 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Flashing amber beacon light mounted on retractable pole.		

OPERATOR ENVIRONMENT

P	433-4304	ROPS	1,131 1,131	\$7,460 \$7,460 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Two-post Roll Over Protective Structure design that bolts directly onto flanges welded behind the operator's platform. Mandatory EU requirement.		
P	377-6138	MIRRORS	40 40	\$3,965 \$3,965 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Mirror package consisting of 8 adjustable mirrors improves visibility to the front tires, along the side of the machine, and in front of the machine. Two pairs of mirrors mount to both sides of the engine compartment and the other two pairs mount to the handrails on both sides of the platform. Mandatory EU requirement and machines shipping into Brazil.		
P	421-8954	ROTOR, DOOR CAMERA	1 1	\$1,285 \$1,285 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		

OTHER ATTACHMENTS**TRUCK INTERFACE**

P	446-2633	PUSH BAR	249 0	\$6,520 \$6,520 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER One 2 m (6'6") push bar mounted to the front hitch of machine for pushing water truck. Ring type connection for truck interface.		

WEIGHTS, BOLT ON

P	287-3675	COUNTERWEIGHT, RECLAMATION	3,500 3,500	\$8,180 \$8,180 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Consists of 1600 kg (3,500 lbs) of bolt-on steel segments that attach to rear of machine to provide enhanced productivity in tough reclamation applications. Recommended for use when cutting asphalt deeper than 25 cm (10 in). ONLY FOR USE WITH: 287-1724 ROTOR, 16" UNIVERSAL 229-3180 ROTOR, 18" UNIVERSAL		

USE	REF NO.	LANE 2 / 3 OPTIONAL	Ship Weight lbs	LIST PRICE AT DEALER
-----	------------	---------------------	--------------------	-------------------------

OTHER ATTACHMENTS (CONT.)***SPRAY SYSTEM HYDRAULICS***

L	433-5807	SPRAY, ONE, ADD ON READY	143	\$4,480
		Hydraulic and wire ready for 1 spray system. Can be ordered as spray system ready.		
L	433-5808	SPRAY, DUAL, ADD ON READY	224	\$8,100
		Hydraulic and wire ready for 2 spray systems. Can be ordered as second spray system ready.		

DOCUMENTATION***CERTIFICATES***

OP-1870	CERTIFICATE OF ORIGIN.	0	NC
---------	--------------------------------	---	----

PACKING

OP-0210	PACK, DOMESTIC TRUCK	0	NC
OP-3651	PACKING, MISC MATERIAL	0	NC
	No charge for packing. Applicable freight charges may apply.		