

RM400 ROTARY MIXER
MINNEAPOLIS, MN, USA (SAP)

Ship Weight
lbs

LIST PRICE
AT DEALER

Standard Equipment:

POWERTRAIN

CAT C-9.3, 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 with auto reversing
Fuel filter / water separator
Fuel priming pump, electric
Propel system - All Wheel Drive
4 propel pumps, 4 propel motors
Electronically managed differential
Two-speed, axial piston hydraulic motors on the front wheels and two-speed, radial piston motors on the rear wheels
Heavy-duty, wheel planetary gearsets
Brakes, oil-bath, sealed on the front wheels
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
1400 CCA each
Horn, warning (front & rear)
Starting and charging system, 24-volt
Walkway lights
Product link ready

OPERATOR ENVIRONMENT

Lighted access ladder, left and right side
Electric heated seat, sliding
10" touch screen display showing
-diagnostic trouble code indicators
-rotor depth
-machine hours
-steering angle
-rotor speed
-propel speed
-rear door down pressure
-engine speed, rpm
-hydraulic temperature
-engine coolant temperature
-fuel level
-front and rear travel cameras
-front and rear door aperture

-liquid additive controls
-fresh + recirculation cabin air filters
Push button start
Machine speed control dial
Platform handrails / guardrails
Electronic mini wheel steer
Multi function drive lever
Adjustable arm rest
Seat, suspension, 90 degree L/R rotating and reclining seat back
Seat belt, retractable, 76 mm (3") wide
Sliding operator station, full width
Hyd warning system, action light and horn
Air conditioner with heater and auto temp and fan control
Audio ready system with speakers
Positive pressure cabin
Front and rear wipers

APPLICATION SPECIFIC COMPONENTS

Axle, heavy-duty
Depth control, automatic
3 selectable rotor speeds
Dry clutch, hydraulically controlled
2438 mm (96") variable volume rotor chamber
Dual sealed chain cases
Self-lubricating rotor end bearings
Single strand drive chains
Maintenance free u-joint drive shafts

FLUIDS

Premixed 50% concentration of extended life coolant with freeze protection to -37C (-35F)

OTHER STANDARD EQUIPMENT

Doors, service access, hinged
Ecology drains
Electrical system
Ground level, integrated disconnect switch and charging receptacle
Machine diagnostic connector (CAT ET)
Engine enclosure
Electric engine hood actuator
Underhood and rear chamber service light receptacles
Fuel tank with sediment drain, 1050 L (277 gal)
Guard, (crankcase and powertrain)
Hitch, front bumper with pin
Hydraulic system filters, grouped and at ground level for convenient service
Hydraulic oil cooler

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OTHER STANDARD EQUIPMENT (CONT.)

Pressure test ports, quick-connect
Rotor chamber door, Front & Rear,
hydraulic control with electronic
position indicators
Rotor hood lock-up device
Rotor hood side access doors
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 points
Vandalism protection cap locks
Variable volume mixing chamber
3 ground level and one cab mounted
emergency stop switches

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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.

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519-6410	RM400 01A ROTARY MIXER 0	\$455,430
	LANE 2 - AVAILABLE FROM MINNEAPOLIS FACTORY	
	LANE 3 - AVAILABLE FROM MINNEAPOLIS FACTORY	
	AVAILABLE FOR: AM-N, Puerto Rico, EU, Israel, S. Korea, Taiwan, ANZ and Pacific	
0P-6925	RM400 MISC MATERIAL 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
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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	539-2545	ENGINE, CAT C9.3B	0	NC
		Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.		
		ONLY FOR USE WITH: 519-6410 01A RM400 ROTARY MIXER		

HYDRAULICS**WATER SPRAY SYSTEM**

L	530-1341	SPRAY, WATER	0	\$42,850
			0	\$42,850 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
		Provides accurate addition of water to processed material. System includes a 30-1,892 L/min (8-500 gal/m) centrifugal pump, in-line flow meter, and 16 nozzles spray bar. Operator controls integrated into optional operator display panel.		
		REQUIRES: 535-8701 SPRAY, SINGLE PUMP or		
		535-8702 SPRAY, DUAL PUMP and		
		552-7210 DISPLAY, AUXILIARY SYSTEM		
L	521-6224	PLUG, NO WATER SPRAY	0	NC

LIQUID ADDITIVE SPRAY SYSTEM

L	519-6425	SPRAY, EMULSION	0	\$66,120
			0	\$66,120 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
		Provides improved processed material through precisely metered addition of liquid additive. System includes a 114-946 L/min (30-250 gal/min) rotary vane pump, in-line flow meter, micro-processor control, and 16 nozzles spray bar. Operator controls integrated into optional operator display panel and ground level cleanout switch.		
		REQUIRES: 535-8701 SPRAY, SINGLE PUMP or		
		535-8702 SPRAY, DUAL PUMP and		
		552-7210 DISPLAY, AUXILIARY SYSTEM and		
		562-6061 EMULSION TAG, ISO or		
		562-4664 EMULSION TAG, ANSI		
L	521-6226	PLUG, NO EMULSION SPRAY	0	NC

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ELECTRICAL**LIGHTS - WORKING**

L	539-3870	LIGHTS, WORKING, LED 0 Includes 10 LED working lights: 2 forward facing lights mounted on the front of the machine, 2 lights mounted on the front of the cab facing the front drive tires, 2 lights mounted on the side of the machine facing the side of the rotor chamber, 2 rear facing lights mounted to the rear of the machine, 1 light facing the front of the rotor chamber and 1 facing the rear of the rotor chamber.		\$1,850
L	539-3865	LIGHTS, WORKING, HALOGEN 0 Includes 10 halogen working lights: 2 forward facing lights mounted on the front of the machine, 2 lights mounted on the front of the cab facing the front drive tires, 2 lights mounted on the side of the machine facing the side of the rotor chamber, 2 rear facing lights mounted to the rear of the machine, 1 light facing the front of the rotor chamber, and 1 facing the rear of the rotor chamber.		\$600

OPERATOR ENVIRONMENT**OPERATOR STATION - CAB**

L	540-1418	CAB, FOPS 0 Operator cab slides fully to both side of platform using hydraulic assist. Includes rotating cloth seat, handrails, dual access ladders, left and right egress window with locks, air conditioner, heater, defroster, dome lamp, front and rear wet-arm wiper/washers, green tinted window, two 12V power receptacles, dual USB charge ports, two cup holders, coat hook, cell phone pocket, and floor mat. Cab is pressurized and is radio-ready with a 12V (10-amp) converter, antenna and cable, two speakers and a headliner location for mounting an aftermarket installed radio.		\$82,000
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OPERATOR STATION - ROPS

L	540-7413	ROPS 0 Two-post roll over protective structure design that bolts directly onto mounting pads welded behind the operator's platform.		\$12,500
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OPERATOR STATION - VISIBILITY

P	521-6232	MIRRORS 0 Mirror package consisting of two pairs of adjustable mirrors (4 mirrors in total), mounted to the handrails on both sides of the platform, improving visibility along the sides of the machine and chamber edges.		\$1,985
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TECHNOLOGY PRODUCTS***PRODUCT LINK***

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 costs 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	585-1518	PRODUCT LINK, CELLULAR PLE743 0		NC
		Product Link Elite series PLE743 (consisting of PL243 radio and PLE702 network manager) uses cellular networks to transmit location, utilization, health and productivity information for viewing in Product Link user applications. Provides support for remote services and other advanced feature. Cellular technology enables more frequent transmission and larger volumes of data.		
L	585-1520	PRODUCT LINK, DUAL PLE783 0		\$439
		Product Link Elite series dual mode PLE783 (consisting of PL083 radio and PLE702 network manager) uses a combination of cellular and satellite networks to transmit location, utilization and health information for viewing in Product Link user applications. For use where travel between areas of both cellular and satellite coverage is required.		

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

L	242-1937	TIRES, 28L-26 16PR 1,250		\$-1,920
		Includes two diagonal lug tires mounted on single piece rims. Firestone LS-2, 28L-26 16 ply rating. BIAS tires with valve guard. Provides excellent traction and flotation capability for use in both asphalt reclamation and soil stabilization applications.		

TIRES - REAR

L	225-4083	TIRES, 18.4-30 12PR 675		\$2,090
		Includes two diagonal lug tires mounted on single piece rims. Titan R-1, 18.4-30 12 ply rating. BIAS tires with valve guard. Provides excellent traction and flotation capability for use in both asphalt reclamation and soil stabilization applications.		

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OTHER ATTACHMENTS**ROTOR**

All rotors below are in an up-cut configuration. 16" (406 mm) & 18" (457 mm) Universal and 20" (508 mm) Combination Rotor cutting width is 96" (2438 mm). 18" (457 mm) Spade Rotor cutting width is 90.6" (2300 mm). Please consult factory for custom rotors.

L	287-1724	ROTOR, 16" UNIVERSAL	9,000 9,000	\$64,300 \$64,300 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Designed primarily for use in asphalt reclamation with secondary application in soil stabilization. Maximum cutting depth is 39.4 cm (15.5"). Diameter over bits is 1375 mm (54") with 15.9 mm (0.625") bit spacing. Includes breaker bar and 200 point-attack carbide-tipped tools with 19 mm (0.75") bit shank diameter. Tools are mounted in drive-in/knock-out breakaway bolt-on tool holders with kicker paddles. Triple-tree tools on rotor ends.		
L	229-3180	ROTOR, 18" UNIVERSAL	9,600 9,600	\$69,240 \$69,240 NI
		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"). Diameter over bits is 1525 mm (60") with 15 mm (0.6") bit spacing. Includes breaker bar and 200 point-attack carbide-tipped tools with 19 mm (0.75") bit shank diameter. Tools are mounted in drive-in/knock-out breakaway bolt-on tool holders with kicker paddles. Triple-tree tools on rotor ends.		
L	129-9365	ROTOR, 18" SPADE	5,100 5,100	\$47,490 \$47,490 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Designed for use in soil stabilization. Maximum cutting depth is 45.7 cm (18"). Diameter over bits is 1575 mm (62") with 171 mm (6.75") tool spacing. Includes 58 carbide-faced, quick change spade tools held in place by a 7/8" locknut.		
L	272-6090	ROTOR, 20" COMBINATION	6,685 6,685	\$62,760 \$62,760 NI
		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 (20"). Diameter over bits is 1625 mm (64") with 32 mm (1.25") bit spacing. Includes 114 point-attack carbide-tipped tools with 22 mm (0.875") 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.		
L	424-3413	ROTOR, NONE FOR USE WITH LANE 3 ONLY Cross bar required for shipping stability.	227	\$1,755

ROTOR - DRIVE SYSTEM PROTECTION

L	530-1359	SHEAR DISK	0	NC
		Heavy-duty shear disc protects rotor drive components from torsional stress and shocks by use of a shear bolt.		

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

L	532-7134	TORQUE LIMITER	0	\$13,630
			0	\$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 slips momentarily without interrupting machine operation when excess rotor loading occurs.

AIR SYSTEM

L	527-6100	COMPRESSED AIR SYSTEM	0	\$6,100
			0	\$6,100 NI

ALSO AVAILABLE ON A MISCELLANEOUS ORDER
Provides compressor, tank, & lines, for rotor servicing and other pneumatic tool use/operation.

L	545-6195	PLUG, NO AIR COMPRESSOR	0	NC
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COMMISSIONING SUPPORT

It is recommended that 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, dealer 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

OP-2586	COMMISSIONING, NEEDED	0	\$6,420 NET
	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	516-8063	OIL, HYDRAULIC, STANDARD	0	NC
L	516-8064	OIL, HYDRAULIC, BIODEGRADABLE	0	\$1,840
		Bio degradable oil recommended for hydraulic system when environmental compliance is required or desired.		

INSTRUCTIONS***DECAL PACKAGES***

L	519-6428	INSTRUCTIONS, ANSI	0	NC
		ANSI picto warning decals using symbols plus the word "WARNING" as required for North America (except Quebec, Canada). ONLY FOR USE WITH: 519-6410 RM400 01A ROTARY MIXER		

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HYDRAULICS***ADDITIVE SPRAY SYSTEMS - HYDRAULICS***

L	535-8701	SINGLE PUMP, WATER OR EMULSION	0 0	\$4,480 \$4,480 NI
<p>ALSO AVAILABLE ON A MISCELLANEOUS ORDER</p> <p>Provides components to power single spray system option. System includes a piston pump, hydraulic filter, and hydraulic lines.</p> <p>REQUIRES: 552-7210 DISPLAY, AUXILIARY SYSTEM</p> <p>REQUIRED BY: 530-1341 SPRAY, WATER or 519-6425 SPRAY, EMULSION</p>				
L	535-8702	DUAL PUMPS, WATER AND EMULSION	0 0	\$8,100 \$8,100 NI
<p>ALSO AVAILABLE ON A MISCELLANEOUS ORDER</p> <p>Provides components to power up to two spray system options. System includes two piston pumps, hydraulic filter, and hydraulic lines.</p> <p>NOTE: Selection of 535-8702 DUAL PUMPS, WATER AND EMULSION is mandatory if both 530-1341 SPRAY, WATER and 519-6425 SPRAY, EMULSION are selected.</p> <p>REQUIRES: 552-7210 DISPLAY, AUXILIARY SYSTEM</p> <p>REQUIRED BY: 530-1341 SPRAY, WATER and/or 519-6425 SPRAY, EMULSION</p>				

ELECTRICAL

P	479-0333	LIGHT, WARNING BEACON	0 0	\$1,095 \$1,095 NI
<p>ALSO AVAILABLE ON A MISCELLANEOUS ORDER</p> <p>LED amber strobe light mounted on a retractable pole.</p>				
L	539-3860	LIGHTS, ROADING	0 0	\$4,695 \$4,695 NI
<p>ALSO AVAILABLE ON A MISCELLANEOUS ORDER</p> <p>Roading light package for highway transport purposes. Includes 2 front-facing LED headlights, 2 side amber LED lamps, 2 LED rear amber turn signal/hazard lamps, and a slow-moving vehicle sign.</p>				

OTHER ATTACHMENTS***TRUCK INTERFACE***

P	589-6107	PUSH BAR	0 0	\$4,565 \$4,565 NI
<p>ALSO AVAILABLE ON A MISCELLANEOUS ORDER</p> <p>One 2.16 m (85") push bar that can be mounted to the front hitch of machine for pushing a water truck. Ring type (pintle hook/hitch) connection for truck interface is required.</p>				

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OTHER ATTACHMENTS (CONT.)**VISIBILITY**

P	543-4535	CAMERAS, SIDE VIEW	0	\$1,905
			0	\$1,905 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Includes cameras for viewing the left and right side of the machine, chamber edge cut tracking, and assistance with obstacle avoidance. REQUIRES: 552-7210 DISPLAY, AUXILIARY SYSTEM		
P	543-4530	CAMERAS, CHAMBER DOORS, F&R	0	\$915
			0	\$915 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Includes cameras for viewing the front and rear of the chamber for assistance with door positioning and obstacle clearance visibility. REQUIRES: 552-7210 DISPLAY, AUXILIARY SYSTEM		

OPERATOR STATION

P	552-7210	DISPLAY, AUXILIARY SYSTEM	0	\$3,240
			0	\$3,240 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Provides a 10", edge to edge LCD touch screen display, to monitor and provide control of the spray additive system(s) and/or camera option(s). ONLY FOR USE WITH: 530-1341 SPRAY, WATER and/or 519-6425 SPRAY, EMULSION and/or 543-4535 CAMERAS, SIDE VIEW and/or 543-4530 CAMERAS, CHAMBERS DOORS, F&R		

ROTOR SERVICING TOOLS

P	489-4295	PNEUMATIC BIT REMOVAL TOOL	0	\$690 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Includes pneumatic hammer, punch tools, coil hose, and couplers.		

DOCUMENTATION**CERTIFICATES**

P	354-8706	YEAR OF MANUFACTURE PLATE	0	NC
		Plate attached to PIN plate showing year of Final Plant Shipping date. Required for all machines shipping to Brazil. CANNOT BE USED WITH: 561-6824 CE CERTIFICATION		
P	562-4664	EMULSION TAG, ANSI	0	NC
		Includes warning decal for hot fluids under pressure. ONLY FOR USE WITH: 519-6425 SPRAY, EMULSION and 519-6428 INSTRUCTIONS, ANSI		
	0P-1870	CERTIFICATE OF ORIGIN	0	NC

PACKING

0P-0210	PACK, DOMESTIC TRUCK	0	NC
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PACKING (CONT.)

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