

Product Specifications For PM820



Cutting System

Milling Width	2010 mm
Number of Bits	170
Note (1)	Number of bits with 15 mm spacing
Maximum Milling Depth	330 mm
Rotor Speeds	100 / 109 / 118 rpm
Minimum Left Cutting Radius	2 m
Minimum Right Cutting Radius	2 m

Power Train

Gross Power	601 kW
Engine Power	595 kW
Engine	Cat C18 twin-turbo
Emissions	U.S. EPA Tier 4 Final, EU Stage V
Maximum Milling Speed	100 m/min
Maximum Travel Speed	6 km/h
Build Number	02C

Weights

Operating Weight	34088 kg
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Note (1)	Operating weight includes base machine with 75 kg (165 lb) operator, all standard equipment, inboard ski, dust abatement system, 15 mm rotor, pedestal seats, floor mats, two ground displays, 50% water, 50% fuel and full operating fluids.
Transport Weight	32859 kg
Note (2)	Transport weight includes base machine, all standard equipment, inboard ski, dust abatement system, 15 mm rotor, pedestal seats, floor mats, two ground displays, empty water, full fuel and other operating fluids.

Dimensions

Operating Length - Conveyor Up	14.52 m
Operating Width	3.11 m
Height - Canopy	4.05 m
Maximum Truck Clearance	4.86 m
Conveyor Swing	±60 degrees from center
Transport Length	12.43 m
Transport Width	2.52 m
Transport Height	3 m

Service Refill Capacities

Fuel Tank	1108 l
Cooling System	104 l
Engine Oil	65 l
Hydraulic Tank	113 l
Water Spray System Tank	3400 l

Sustainability

Recyclability

96%

PM820 Standard Equipment

NOTE

Features, standard and optional equipment may vary by region. Please check with your local Cat dealer for specific offerings and availability in your area.

OPERATOR ENVIRONMENT

12-Volt power receptacle

Hydraulically folding canopy with LED lights and side extensions

Ground control keypads

Single high-resolution LCD touchscreen display

Dual operator consoles with vertical adjustment

CAT® TECHNOLOGY

Remote Flash

Remote Troubleshoot

Cat Grade and Slope

VisionLink™ telematics

CONVEYOR

Grease tensioner (primary conveyor)

Hydraulically folding conveyor

Conveyor speed boost feature

ROTOR SYSTEM

Automatic plunge-cut

Automatic grade and slope transition feature

Obstacle jump

Three cutting speeds

Pneumatic bit removal tool

Toolholder extractor

Powered rotor turning device

POWERTRAIN

Engine Idle Speed Management

High capacity cooling system

Automatic Load Control

HYDRAULIC SYSTEM

Two independent hydraulic propel circuits
Traction Control

SERVICE AND MAINTENANCE

Scheduled Oil Sampling (S·O·SSM) Ports
Power hood
Platform-level engine oil dipsticks
Rotor chamber water spray system
Air compressor
Accessory drive system
3400 L (898 gal) onboard water tank
Side water fill valve
High pressure washdown

SAFETY AND SECURITY

Platform handrails
Signaling/warning horn
Wide-dispersion LED work lighting
Rear vision camera

PM820 Optional Equipment

NOTE

Features, standard and optional equipment may vary by region. Please check with your local Cat dealer for specific offerings and availability in your area.

OPERATOR ENVIRONMENT

Dual high-resolution LCD touchscreen displays
Dual operator consoles with vertical, sideways, and rotational adjustment
Anti-fatigue floor mats
Adjustable pedestal seats
Adjustable suspension seats
Lockable 109x45x33 cm (43x18x13 in) storage chest
Windscreens (front and rear)

CAT® TECHNOLOGY

VisionLink™ Productivity
Inboard ski
Single sonic grade control sensor
Sonic averaging system for grade control
High-resolution LCD touchscreen display (for ground level grade controls)

CONVEYOR

Dust extraction system
Additional spray bars (dust control)

Conveyor release valve

ROTOR SYSTEM

Pendant control for rotor turning device

System K Rotor - Coarse (25 mm)

System K Rotor - Coarse (18 mm)

System K Rotor - Standard (15 mm)

System K Rotor - Fine (8 mm)

System K Rotor - Micro (6 mm)

System H Rotor - Micro (6 x 2 mm)

Cat Diamond bits

Bit bucket trays

POWERTRAIN

CE certificate

HYDRAULIC SYSTEM

Cat Bio HYDO™ Advanced biodegradable hydraulic oil

High ambient hydraulic oil

SERVICE AND MAINTENANCE

Low pressure washdown

Water tank transfer pump

Fuel transfer pump

Fast fill fuel tank

SAFETY AND SECURITY

Multi vision cameras (front conveyor, 2 magnetic mount)

Enhanced LED lighting package (perimeter, rotor service and water level)

Magnetic LED work light

Warning beacon (fixed or magnetic mount)

Truck signal lights