



Cat[®]

PM820, PM822 and PM825

COLD PLANER

FEATURES:

■ Advanced Milling System

- Automatic plunge-cut ensures repeatable, precise starting cuts and reduces wear on machine
- Ramp-in, Ramp-out capability
- Automatic Load Control
- Optional Cat[®] Grade Control
- Jump-hold feature simplifies jumping manholes and grates
- Enhanced flush cut capability

■ Heavy-duty Powertrain

- Powerful Cat C18 ACERT™ engine meets regional emission standards
- Delivers 563 kW (755 hp) gross power

■ Simplified Service

- Large service doors provide quick, easy access
- Electrical system color coded, numbered for easy identification and wrapped in braid for protection
- Extended hydraulic oil service intervals: 3,000 hours without oil sampling, 6,000 hours with oil sampling
- Accessory Drive System provides full operational control of main machine functions for assisted machine movement during maintenance and service
- Electronic Control Module (ECM) monitors engine and systems, alerting operator to performance issues and providing troubleshooting information; full Cat Electronic Technician (Cat ET) support
- Convenient parts availability and dealer locations

■ Robust Cutting System

- Heavy-duty dry clutch
- Three cutting speeds, electronic selection
- Rotor driven by two molded, six-rib, high tensile belts
- Automatic belt-tensioning prevents slippage
- Reinforced cutting chamber offers enhanced durability

■ Productive Work Environment

- Dual operating stations for better control and visibility
- Controls are backlit and easy to use
- Optional suspension seat
- Optional remote cameras enhance visibility
- Excellent work area lighting for worry-free low-light operation
- Optional Cat Grade Control control boxes can be positioned in multiple locations and can control either side of machine
- Optional Power Canopy
- Optional Dust Abatement System

■ Optimal Maneuverability and Control

- Dual pump hydraulic propel system
- Four steering modes with advanced true-tracking steering optimization
- Traction control system reduces slippage
- Ride control provides smooth travel



- 1 Optional Power Canopy
- 2 Cat C18 ACERT Engine
- 3 Sideplates with position-sensing cylinders
- 4 Optional Cat Grade Control

- 5 Optional Suspension Seats
- 6 Folding Loading Conveyor
- 7 Optional Dust Abatement System
- 8 Optional Remote Camera



PM820, PM822 and PM825 Cold Planer

Specifications

Operating Weight*

PM820	36 130 kg (79,630 lb)
PM822	36 700 kg (80,887 lb)
PM825	37 500 kg (82,650 lb)

Transport Weight**

PM820	32 230 kg (71,035 lb)
PM822	32 800 kg (72,290 lb)
PM825	33 600 kg (74,054 lb)

Powertrain

Engine Model	Cat C18 ACERT
Global Emissions	US EPA Tier 4 Final / EU Stage IV
Gross Power - ISO 14396	563 kW (755 hp)
Operating Speed	100 m/min (328 ft/min)
Maximum Travel Speed	5.9 km/h (3.7 mph)

Cutting System

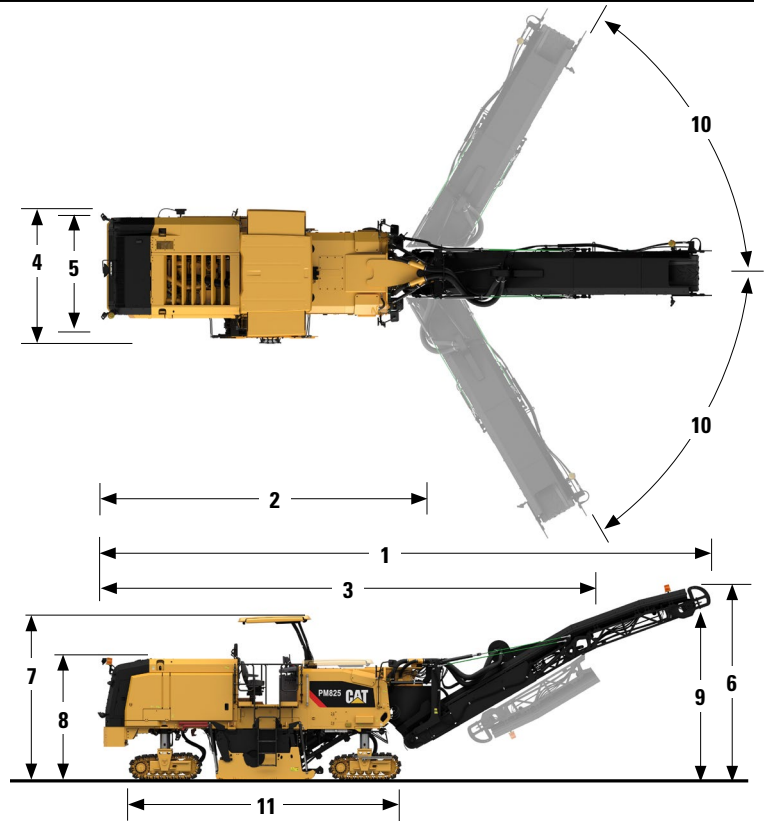
PM820	Milling Width	2010 mm (79.1 in)
	Number of Bits	178
PM822	Milling Width	2235 mm (88 in)
	Number of Bits	193
PM825	Milling Width	2505 mm (98.6 in)
	Number of Bits	203
	Maximum Cutting Depth	330 mm (13 in)
	Rotor Speeds	100 / 109 / 118 rpm
	Minimum Left Cutting Radius	2.00 m (6.56 ft)
	Minimum Right Cutting Radius- PM820	2.00 m (6.56 ft)
	Minimum Right Cutting Radius- PM822	1.80 m (5.91 ft)
	Minimum Right Cutting Radius- PM825	1.50 m (4.92 ft)

Service Refill Capacities

Fuel Tank	1108 L (288.1 gal)
Cooling System	104 L (27.5 gal)
Engine Oil	65 L (16.9 gal)
Hydraulic Oil	113 L (29.4 gal)
Water Tank	3400 L (898 gal)

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

** Transport Weights are approximate and include coolant, lubricants, 50% full fuel tank, and empty water tank.



Dimensions

1 Overall Length, Conveyor Up	14.52 m	47.62 ft
2 Length of Base Machine	8.33 m	27.33 ft
3 Transport Length	12.43 m	40.79 ft
4 Maximum Machine Width, PM820, PM822	2.83 m	9.27 ft
Maximum Machine Width, PM825	3.14 m	10.03 ft
5 Transport Width, PM820	2.50 m	8.20 ft
Transport Width, PM822	2.70 m	8.83 ft
Transport Width, PM825	3.01 m	9.88 ft
6 Maximum Height, Raised Conveyor	5.23 m	17.17 ft
7 Height to Canopy	4.05 m	13.29 ft
8 Transport Height	3.00 m	9.84 ft
9 Maximum Truck Clearance	4.86 m	15.95 ft
10 Conveyor Swing	±60° from center	
11 Length, Track to Track	6.69 m	21.95 ft

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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