The Cat® PM620 cold planer brings premium performance and advanced cutting capabilities, with Cat GRADE with Grade and Slope technology to increase cutting precision. Smooth and efficient performance with multiple rotor speeds lowers fuel consumption, while long service intervals and easy access to critical components simplifies service. Many options are available to enhance machine versatility on a cold planer that is ideal for high production applications.

Not all features available in all regions. Consult your Cat dealer for specific configurations available in your region. Built in the U.S.A. for the North American market.

Efficient Performance with Lower Fuel Consumption
- Powerful Cat® C18 engine meets regional emission standards
- Smooth and efficient operation with Automatic Idle Control and multiple rotor speeds optimize output and demand on the engine
- High capacity cooling system keeps engine at ideal temperatures for optimal fuel efficiency and lower emissions
- Automatic load sensing on the rotor adjusts milling speed to prevent stalls and optimize production

Optimal Maneuverability and Control
- Reliable track undercarriage leverages proven designs from Cat dozers and an automatic tensioning system to ensure consistent performance and longer track life
- Robust propel system features two independent propel pumps to drive two crawler tracks each, in a high-traction, cross-drive pattern
- Automatic traction control maintains consistent speed in the most challenging applications
- Four steering modes with advanced alignment and tracking provides precise steering geometry and reduces track pad wear
- Ability to electronically switch between rotor speeds during operation

Comfortable Work Environment
- Operate in comfort with height-adjustable operating consoles and intuitive, ergonomic controls
- Retractable handrails stow and redeploy easily when approaching obstacles
- Work day or night with backlit keypads and well-lit work areas
- Upgrade operator stations with optional suspension seats that reposition for improved visibility and comfort
- Optional remote cameras enhance visibility to the cutting edge and conveyor
- Optional powered canopy stows easily during operation to clear overhead obstacles and optional windscreens can be added for increased comfort
- Maximize dust removal from the working areas with the optional dust abatement system
**Durable and Dependable Cutting System**

- The rotor drive system features a heavy-duty dry clutch, automatic belt-tensioning to prevent slippage and two high tensile (five-rib) belts to drive the rotor
- Reinforced cutting chamber offers enhanced durability
- Hardened full length side plate skis and anti-slab shoes reduce wear and maintenance

**Boost Precision with Integrated Cat Technology**

- Achieve accurate, repeatable and automatic cutting precision with the integrated Cat GRADE with Grade and Slope system
- Control boxes can be repositioned without the need to reconfigure settings
- Obtain full control of grade and slope from any control box
- Seamlessly swap between multiple grade sensors for uninterrupted accuracy during milling
- Adjust the speed at which the rotor drops into the cut for optimal machine control
- Set and automate transitions in/out of cuts and save settings for future jobs
- Clear obstacles in the cutting path with ease using the obstacle jump feature
- Enhance for full 3D milling operation (additional hardware required)

**High Production System K Rotors Optimize Cutting Capability**

- Cat System K rotors feature efficient material flow with an excellent cutting pattern for numerous applications
- A dual taper retention design holds tool holders in place, without retaining pins or bolts, for faster bit changes
- Reversible paddles and high strength alloys reduce wear and abrasion to extend rotor life
- Optional diamond bits can extend replacement intervals up to 80 times longer than conventional carbide bits

**Simplified Service**

- Maintenance is easier and faster with large service doors and power hood for walk-in access to critical components
- Maintenance-free track components and easy to replace track pads lower service costs
- Standard ground-level controls and an optional hydraulically-operated rotor turning device simplify bit removal and replacement
- Operate select machine functions during maintenance and service with the accessory drive system
- Electrical system wiring is color-coded and numbered for easy identification and wrapped in a protective, abrasion-resistant nylon braid for longer life
- Extended hydraulic oil service intervals: 3000 hours without oil sampling, 6000 hours with oil sampling
- Track scheduled maintenance with Cat Product Link™ telematics services
- Electronic Control Modules (ECMs) monitor machine systems to alert the operator of performance issues and can be paired with Product Link options to enable additional remote services with your local Cat dealer
- Multi-piece, cartridge-style engine filters are environmentally friendly, reducing waste and lowering replacement costs
- Convenient parts availability, dealer locations and service repair kits simplify ordering of high wear components
## Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

<table>
<thead>
<tr>
<th>OPERATOR ENVIRONMENT</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground control keypads</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Single high-resolution LCD touchscreen display</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>12-volt power receptacle</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Dual high-resolution LCD touchscreen displays</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Hydraulically folding canopy</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Air-ride suspension seats</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Windscreens</td>
<td>✔</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAT CONNECT TECHNOLOGY</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote troubleshoot capability</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Cat Product Link</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Cat GRADE</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Inboard ski</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Sonic sensor (averaging or string line)</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Ground level grade controls and displays</td>
<td></td>
<td>✔</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONVEYOR</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grease tensioner</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Material removal boost feature</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Dust abatement system</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Remote camera (loading conveyor)</td>
<td>✔</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rotor System</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic plunge-cut</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Automatic transition feature</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Obstacle jump</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Three cutting speeds</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>System K Rotor - Standard (15 mm)</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>System K Rotor - Coarse (25 mm)</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>System K Rotor - Coarse (18 mm)</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>System K Rotor - Fine (8 mm)</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>System K Rotor - Micro (6 mm)</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>System H Rotor - Micro (6 x 2 mm)</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Diamond bits</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Bit bucket trays</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Pneumatic bit removal tool</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Tool holder extractor</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Rotor turning device</td>
<td>✔</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Powertrain</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto engine idle control</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>High capacity cooling system</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Dual propel pumps</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Automatic load control</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>CE certificate</td>
<td>✔</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic System</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual pump hydraulic propel system</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Traction control</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Ride control</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Water tank transfer pump</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Fuel transfer pump</td>
<td>✔</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Service and Maintenance</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sampling ports for Scheduled Oil Sampling (S·O·S)</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Power hood</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Platform-level engine oil dipsticks</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Rotor chamber water spray system</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Air compressor</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Accessory drive system</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>3400 L (898 gal) onboard water tank</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Side water fill valve</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>High pressure washdown</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Low pressure washdown</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Additional spray bars</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Remote Flash</td>
<td>✔</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Safety and Security</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platform handrails</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Signaling/warning horn</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Halogen work lighting</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>LED work lighting (fixed, pole mounted, magnetic)</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Warning beacon (fixed or magnetic mount)</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Truck signal lights</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Remote camera (rear, front, magnetic mount)</td>
<td></td>
<td>✔</td>
</tr>
</tbody>
</table>
## Technical Specifications

### Engine

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Model</td>
<td>Cat C18</td>
</tr>
<tr>
<td>Emissions</td>
<td></td>
</tr>
<tr>
<td>– U.S. EPA Tier 4 Final, EU Stage V, Korea Tier 4 Final</td>
<td></td>
</tr>
<tr>
<td>– Brazil MAR-1 and China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3 and EU Stage III</td>
<td></td>
</tr>
<tr>
<td>Gross Engine Power – SAE J1995</td>
<td>470 kW / 630 hp</td>
</tr>
<tr>
<td>Gross Engine Power – ISO 14396</td>
<td>462.5 kW / 620.2 hp</td>
</tr>
<tr>
<td>Operating Speed</td>
<td>100 m/min / 328 ft/min</td>
</tr>
<tr>
<td>Maximum Travel Speed</td>
<td>5.9 km/h / 3.7 mph</td>
</tr>
</tbody>
</table>

### Cutting System

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milling Width</td>
<td>2010 mm / 79.1 in</td>
</tr>
<tr>
<td>Number of Bits (15 mm spacing)</td>
<td>178</td>
</tr>
<tr>
<td>Maximum Cutting Depth</td>
<td>330 mm / 13.0 in</td>
</tr>
<tr>
<td>Rotor Speeds</td>
<td>100 / 109 / 118 rpm</td>
</tr>
<tr>
<td>Minimum Left Cutting Radius</td>
<td>2.00 m / 6.56 ft</td>
</tr>
<tr>
<td>Minimum Right Cutting Radius</td>
<td>2.00 m / 6.56 ft</td>
</tr>
</tbody>
</table>

### Machine Weight

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>33 330 kg / 73,480 lb</td>
</tr>
<tr>
<td>Transport Weight</td>
<td>29 430 kg / 64,882 lb</td>
</tr>
</tbody>
</table>

Weights shown are approximate and include:
- Operating weights include coolants, lubricants, full fuel tank, full water tank and 75 kg (165 lb) operator.
- Transport weights include coolants, lubricants, 50% full fuel tank and empty water tank.

### Service Refill Capacities

<table>
<thead>
<tr>
<th>Feature</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank</td>
<td>1108 L / 292.7 gal</td>
</tr>
<tr>
<td>Diesel Exhaust Fluid (DEF) Tank</td>
<td>47 L / 12.4 gal</td>
</tr>
<tr>
<td>(U.S. EPA Tier 4 Final, EU Stage V, Korea Tier 4 Final)</td>
<td></td>
</tr>
<tr>
<td>Cooling System</td>
<td>85 L / 22.5 gal</td>
</tr>
<tr>
<td>Engine Oil</td>
<td>85 L / 17.2 gal</td>
</tr>
<tr>
<td>Hydraulic Oil</td>
<td>113 L / 29.9 gal</td>
</tr>
<tr>
<td>Water Tank</td>
<td>3400 L / 898.2 gal</td>
</tr>
</tbody>
</table>

### Operating Dimensions

<table>
<thead>
<tr>
<th>Feature</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Overall Length (conveyor raised)</td>
<td>14.52 m / 47.64 ft</td>
</tr>
<tr>
<td>B Maximum Machine Width</td>
<td>3.11 m / 10.20 ft</td>
</tr>
<tr>
<td>B’ Minimum Machine Width</td>
<td>2.48 m / 8.14 ft</td>
</tr>
<tr>
<td>C Maximum Height (conveyor raised)</td>
<td>5.23 m / 17.16 ft</td>
</tr>
<tr>
<td>D Height to Optional Canopy</td>
<td>4.05 m / 13.29 ft</td>
</tr>
<tr>
<td>E Height (canopy lowered)</td>
<td>3.00 m / 9.84 ft</td>
</tr>
<tr>
<td>F Maximum Truck Clearance</td>
<td>4.86 m / 15.94 ft</td>
</tr>
<tr>
<td>G Conveyor Length</td>
<td>8.38 m / 27.49 ft</td>
</tr>
<tr>
<td>H Conveyor Swing</td>
<td>±60° from center</td>
</tr>
</tbody>
</table>

### Shipping Dimensions

<table>
<thead>
<tr>
<th>Feature</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>I Transport Length</td>
<td>12.43 m / 40.78 ft</td>
</tr>
<tr>
<td>B’ Transport Width</td>
<td>2.48 m / 8.14 ft</td>
</tr>
<tr>
<td>E Transport Height (canopy lowered)</td>
<td>3.00 m / 9.84 ft</td>
</tr>
<tr>
<td>J Length (track to track)</td>
<td>6.69 m / 21.95 ft</td>
</tr>
<tr>
<td>K Length of Machine (rear to front track)</td>
<td>7.32 m / 24.02 ft</td>
</tr>
<tr>
<td>L Length of Base Machine</td>
<td>8.33 m / 27.33 ft</td>
</tr>
</tbody>
</table>

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)