Working hard has never been easier with Cat® F Series Wheeled Excavators. Enjoy the versatility offered by integrated solutions and technologies that do repetitive tasks for you. These machines are designed to help you take on the wide variety of challenges you face every day, and at a lower cost.

Performance
- Cat C7.1 ACERT™ engine meets U.S. EPA Tier 4 Final/EU Stage IV emission standards. Emissions technology is transparent – no action required from the operator and no stopping for regeneration.
- Up to a 10% fuel consumption reduction vs. previous model with the same productivity.
- Built-in fuel savers, eliminating waste with features like Auto Engine Speed Control, Engine Idle Shutdown and efficient Eco Mode.
- “On-Demand” Strategies, to consume just the right amount of fuel, with on-demand fan or new optimized demand-driven driveline.
- Dedicated swing pump, allowing faster, smoother combined movements.
- Highly mobile, the M318F can travel up to 35 km/h (22 mph).

Versatility
- Flexible configurations to meet all your needs with various booms/sticks, tires, undercarriages and counterweights.
- “Plug and Play” design, with complete integration of the whole portfolio of Cat attachments.
  - Auxiliary hydraulics, including high pressure.
  - Readiness for Cat Pin Grabber quick coupler (with lines and circuits).
  - The monitor can allow ten hydraulic pump flow and pressure settings at the same time.
  - Trailer-ready package option*. Just add your hitch and go.
- Joystick buttons/sliders can be set up per tool as desired.
- Utility and finishing work are fast and flawless with a Cat compactor, finishing bucket or tilt bucket.
- Demolition work is easy with a Cat hammer, grapple, shear, or multi-processor.
- Couplers let you swap between attachments in seconds without leaving the cab.

Ease of Operation
- A complete package of smart technologies with features like Cruise Control or automatic brake and axle lock. Optional boosters like Ride Control, SmartBoom™, joystick steering are available.
- Everything can be adjusted in the cab from the steering column height to the electrically adjustable mirrors.
- Ergonomic cab with controls kept to a minimum and conveniently located.
- Split-screen monitor to allow quick view of both cameras on the same display.

Safety
- Integrated devices to help enforce safe behavior, like seat belt indicator, or the speed limit setting when roading in reverse with the upper frame rotated.
- Blue Angel certified machine, with low sound levels and vibrations.
- Visibility: large glass areas, rear/side cameras. LED lamps for all working lights and cameras.
- For added protection, the optional impact resistant windshield meets the EN356 P5A standard.
- Integrated pin code adds anti-theft security to your equipment.

Maintenance
- Ground level access to all routine maintenance (like fuel and engine oil filters).
- Easy access: clean, simple design. Radiators are all gathered together.
- Reduced maintenance: automatic features (like lubrication system) along with long greasing intervals. Fit for life Diesel Particulate Filter.

Cat Connect Technology
- Product Link™ connects owners to their equipment, providing access to machine data such as location, hours, fuel consumption, idle time and events, and diagnostic codes.

*Not available in Australia/New Zealand.
### Engine

**Engine Model** | Cat C7.1 ACERT  
**Ratings** | 1,750 rpm  
**Engine Power**  
- Maximum Gross (ISO 14396) | 129.4 kW (174 hp)  
- Maximum Net (ISO 9249/SAE J1349) | 126 kW (169 hp)*  
**Bore** | 105 mm (4.1 in)  
**Stroke** | 135 mm (5.3 in)  
**Displacement** | 7.01 L (427.8 in³)  
**Maximum Torque at 1,400 rpm** | 783 N·m (578.0 lbf·ft)  
**Number of Cylinders – In line** | 6

* Meets Tier 4 Final/Stage IV emission standards.

* Metric values.

### Transmission

**Maximum Forward/Reverse – 2nd Gear** | 35 km/h (22 mph)  
**Drawbar Pull** | 103 kN (23,155 lbf)  
**Maximum Gradeability at 17,500 kg (38,581 lb)** | 75%  

### Swing Mechanism

**Swing Speed** | 10 rpm  
**Maximum Swing Torque** | 42 kN·m (30,977 lbf·ft)  

### Undercarriage

**Ground Clearance** | 370 mm (14.6 in)  
**Maximum Towable Trailer Mass** | 8 t (17,637 lb)  

* For Optional Trailer Package – Not available in Australia/New Zealand.

### Service Refill Capacities

**Fuel Tank (total capacity)** | 330 L (87.2 gal)  
**Diesel Exhaust Fluid Tank** | 34.5 L (9.1 gal)  

### Working Ranges

<table>
<thead>
<tr>
<th>Boom Type</th>
<th>VA Boom</th>
<th>One-Piece Boom</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stick Length</strong></td>
<td>2400 mm</td>
<td>2400 mm</td>
</tr>
<tr>
<td>2000 ft</td>
<td>7'10&quot;</td>
<td>7'10&quot;</td>
</tr>
<tr>
<td><strong>Digging Height</strong></td>
<td>10275 mm</td>
<td>9140 mm</td>
</tr>
<tr>
<td>10,435 ft</td>
<td>33'9&quot;</td>
<td>30&quot;</td>
</tr>
<tr>
<td><strong>Dump Height</strong></td>
<td>7135 mm</td>
<td>6110 mm</td>
</tr>
<tr>
<td>7285 ft</td>
<td>23'5&quot;</td>
<td>20'1&quot;</td>
</tr>
<tr>
<td><strong>Digging Depth</strong></td>
<td>5890 mm</td>
<td>5690 mm</td>
</tr>
<tr>
<td>6090 ft</td>
<td>19'4&quot;</td>
<td>18'8&quot;</td>
</tr>
<tr>
<td><strong>Reach at Ground Level</strong></td>
<td>9210 mm</td>
<td>8995 mm</td>
</tr>
<tr>
<td>9405 ft</td>
<td>30'3&quot;</td>
<td>29'6&quot;</td>
</tr>
</tbody>
</table>

* Range values are calculated with GD bucket 1200 mm (48 in), 0.91 m³ (1.19 yd³) with tips K080 and quick coupler with a tip radius of 1574 mm (5'2").