Engine

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Cat® C15 ACERT™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Power</td>
<td>294 kW 394 hp</td>
</tr>
<tr>
<td>Flywheel Power</td>
<td>273 kW 366 hp</td>
</tr>
<tr>
<td>• Engine ratings at 1,800 RPM</td>
<td></td>
</tr>
</tbody>
</table>

Weights

<table>
<thead>
<tr>
<th>Operating Weight</th>
<th>53 070 kg 117,000 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping Weight</td>
<td>52 616 kg 116,000 lb</td>
</tr>
</tbody>
</table>

• Operating weight includes all shipping weights plus full fuel tank and operator.

• Shipping weight includes: lubricants, coolant, 10% fuel, hydraulic controls and fluids, backup alarm, seat belt, 864 mm (34") grouser shoes, drawbar and counterweight.

Operating Specifications

<table>
<thead>
<tr>
<th>Lifting Capacity</th>
<th>91 625 kg 202,000 lb</th>
</tr>
</thead>
</table>
# 587T Pipelayer

<table>
<thead>
<tr>
<th>Pipelayer</th>
<th>Structure</th>
<th>Operator Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Fully hydraulic hook and boom winches provide excellent controllability for precise pipe placement. Counterweight and frame design provides excellent stability. pg. 4</td>
<td>✓ Mainframe is heavy, strong and durable. Full box sections, steel castings and continuous rolled rails provide durable support to the undercarriage, elevated final drives and other integral frame components. pg. 5</td>
<td>✓ Designed for operator comfort, convenience and productivity. Machine control and vital information is provided at the operator’s fingertips. A full day of work is no problem in this efficient work place. pg. 6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power Train</th>
<th>Undercarriage</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ A combination of innovations working at the point of combustion, ACERT™ Technology optimizes engine performance and fuel efficiency while meeting EPA Tier 3 and EU Stage IIIA engine exhaust emission regulations for off-road applications. pg. 10</td>
<td>✓ The proven elevated sprocket undercarriage isolates the drive train components from ground-induced impacts. The undercarriage is designed for optimized machine balance, performance and component life. pg. 12</td>
</tr>
</tbody>
</table>

Engineered for reliable production in the toughest working conditions. The 587T offers rugged durability and proven reliability to perform in a variety of working conditions.
**Optional Enclosed Cab**

✔ The optional enclosed cab offers operator comfort in any climate. The operator enjoys excellent visibility in all directions because the cab was designed with maximum glass area and includes a skylight window to view the boom and upper block. *pg. 7*

**Electronic Steering and Transmission Controls**

✔ Combines steering, machine direction and gear selection into a control system which can be operated with one hand for enhanced operator comfort and increased productivity. *pg. 8*

**Drive Train**

✔ The electronically controlled powershift transmission, torque divider and durable planetary final drives deliver outstanding power transfer and long life to ensure maximum productivity. *pg. 9*

**Serviceability and Customer Support**

✔ Combining easy to access, modular components with your Caterpillar® Dealer’s advanced rebuild and repair capabilities ensures rapid component replacement and minimum downtime. *pg. 13*
Pipelayer
*Caterpillar pipelayer system includes winches, boom, block, hook, counterweight and drawbar.*

**Winches.**
- Boom and hook drawworks are driven by independent hydraulic winches.
- Oil-disc brakes provide smooth operation, positive retention of boom and hook positions.
- Modular design allows fast replacement, easy field service and testing.
- High parts interchangeability between hook and boom winch assemblies.
- Infinitely variable speed controls for both boom and hook allow precise control.

**Counterweight.**
- Counterweight is extended hydraulically for improved load balance and clearance.
- Counterweight segments are contoured to provide a low center of gravity and enhanced forward and right side viewing area. Segments are splined to the counterweight assembly for ease of assembly and disassembly.

**Boom.**
- 8.5 m (28 ft) Boom is standard equipment with large box section.
- Replaceable, boom-mount bearings.
- High tensile strength steel construction.
- Allows for smaller sections for improved visibility.
- Lighter weight for increased payload.
- Durable for long life.

**Blocks and Hook.** Heavy-duty lifting components include the following:
- Hook and boom blocks with sealed roller bearings.
- Forged hook with latch and serviceable handle.
- Ductile iron sheaves.
- High performance cable for improved life, crush resistance, flexibility and strength.
Mainframe Strength. The 587T mainframe is built to absorb high impact shock loads and twisting forces.

Frame Rails. Full box section, designed to keep components rigidly aligned.

Heavy Steel Castings. Adds strength to the main case.

Top and Bottom Rails. Continuous rolled sections, with no machining or welding, to provide superior mainframe durability.

Main Case. Elevates the final drives well above the ground level work area to protect them from impact loads, abrasion and contaminants.

Robotic Welding. Caterpillar uses robotic welding techniques in the assembly of the case and frames. This insures quality and reliability throughout the structure. Robotic welding provides deep penetration and consistency for long life, and reduces the chance for errors that may be made during manual welding.

Front Bumper. A front bumper is mounted to the frame rails and provides both protection and a towing device. Pipelayer frame mounts are also an integral part of the frame.

Optional Roll Over Protective Structure. Provides increased operator protection.

• Available with or without cab.
Operator Station

Excellent operator visibility and ergonomically designed for operator’s maximum comfort and productivity.

Seat. Ergonomically designed and fully adjustable for maximum comfort. The seat cushion reduces the pressure on the lower back and thighs while allowing unrestricted arm and leg movement.

Clear Full-Circle View. A tapered hood and “notched” fuel tank give the operator a clear line of sight to the front, rear and side work areas. The new streamlined design of the Caterpillar 587T Pipelayer offers several operator visibility improvements for more precise maneuvering and placement of pipe.

Finger Tip Control (FTC). Finger tip controls are clustered to the operator’s left for easy one-handed operation, controlling steering, direction and gear selection.

Access Ladder. Direct access to the operator’s station utilizing ladder on left side of the machine.

Monitoring System. Provides the operator instant feedback on the condition of operating systems and records such performance data as high/low gauge readings to help diagnose problems and manage undercarriage. Has gauges that monitor the temperature of the engine coolant, hydraulic oil and power train oil, plus the fuel level. Also has a digital and gauge type tachometer.

Ergonomic Work Tool Controls. Pipelayer controls are low effort and allow simultaneous, precise positioning of the hook and boom with one hand.

- Quick drop function on hook line control allows the operator to drop the load quickly.
Optional Enclosed Cab
Caterpillar offers an optional enclosed cab to maximize operator comfort in any climate.

Optional Enclosed Cab. Designed for operator comfort and productivity in any climate. Fully insulated with a heater. Air conditioning and roll over protection structure available as additional options.

Excellent Visibility. The optional cab provides excellent visibility, designed with the maximum glass area. There is also an additional option of dual pane windows available for cold weather environments.

Skylight Window. The cab is equipped with a skylight window to view the boom and upper block.

Screened Side Windows. The side windows are screened to allow better ventilation and ground communication.

Wipers. The optional cab is equipped with wipers on the front, rear and door windows to provide a clearer view during inclement weather.

Lights. Eight additional halogen lights come with the cab arrangement, 3 facing forward, 2 to the rear, 2 to the boom side and 1 to the winch side.
Electronic Steering and Transmission Controls
Combines steering, machine direction and gear selection into a control system which can be operated with one hand for enhanced operator comfort and increased productivity.

**Finger Tip Control (FTC).** Finger tip controls are clustered to the operator’s left for easy one-handed operation, controlling steering, direction and gear selection.

**Electronic Clutch and Brake (ECB).** Electronic clutch and brake steering system consists of two small levers which send signals that control the steering valve.

- levers require less than 1.4 kg (3 lb) of pull to actuate.
- steering is similar to traditional clutch and brake arrangements but with less time and effort.

ECB system allows the operator to work more precisely in close areas, around structures, obstacles, grade stakes or other machines.

**Adjustable Operator Comfort.** The system is attached to an electrical linear actuator which allows the FTC module to be adjusted up and down.

Fore/aft adjustment is controlled by a manual lever on the front of the control module. The rigidly mounted hand grip provides firm support for the operator.

**Machine Direction.** Machine direction is controlled by a pivoting knob which can be actuated by the thumb of the left hand. Rotating the knob up moves the machine forward. Rotating the knob down moves the machine in reverse. Neutral is the central position.

**Gear Selection.** Gear selection is made by two buttons to the right of the machine direction knob. The top (up-shift) button shifts the machine transmission to the next higher gear while the (down-shift) button shifts to the next lower gear.

**Parking Brake Switch.** This switch electronically locks the ECB system and transmission control.
Drive Train

The drive train provides maximum efficiency in combination with the C15 engine with ACERT™ Technology.

**Torque Divider.** A high efficiency torque divider with freewheel stator provides high torque multiplication while shielding the drive train from sudden torque shocks and vibration.

**Elevated Final Drives.**
- Isolated from ground and equipment induced impact loads for extended power train life.
- Crown-shaved drive gears provide smooth, quiet, low maintenance operation.
- Splash lubrication and Duo-Cone™ Seals extend service life.

**Planetary Power Shift Transmission.**
Three speeds forward and three speeds reverse, utilizing large diameter, high capacity, oil-cooled clutches.
- Modulation system permits fast speed and direction changes.
- Modular transmission and differential slide into rear case for servicing ease.
- Oil-to-water cooler for maximum cooling capacity.
- Forced oil flow lubricates and cools clutch packs to provide maximum clutch life.

**Electronic Clutch Pressure Control.**
The Finger Tip Control (FTC) system has an additional drive train feature for added performance, Electronic Clutch Pressure Control (ECPC). This feature provides smoother shifting by modulating individual clutches. ECPC also provides the auto-shift and auto-kickdown feature.

**Steering Clutch and Brake.** Fade resistant and adjustment free. The multi-disc, oil-cooled steering clutches are hydraulically applied and electronically controlled. The brakes are applied by springs and hydraulically released for safe and reliable braking performance.

**Drawbar Pull vs. Ground Speed.**
As loads on the tractor increase, the 587T offers unmatched lugging capability and smooth shifting as the need occurs to change gears under varying loads. The 3-speed forward, 3-speed reverse transmission offers excellent runout speeds.

**Modular Power Train.** The modular power train design permits quick removal and installation of major components such as the engine, transmission and final drives.
Power Train

A combination of innovations working at the point of combustion, ACERT™ Technology optimizes engine performance while meeting EPA Tier 3 and EU Stage IIA engine exhaust emission regulations for off-road applications.

Engine. The Cat® C15 engine with ACERT™ Technology provides the power for the 587T. Performing at full-rated net power of 273 kW (366 hp) at 1,800 rpm, the large displacement and high torque rise provides the 587T the power needed on challenging jobs. Matched to the high-efficiency torque divider and electronically controlled power shift transmission, it will provide years of dependable service.

C15 Block. The one-piece, grey iron block features generous ribbing for stiffness and heavy bearing bulkheads for rigidity and strength. Incorporation of straight o-ring connection points reduces the loss of engine oil and fluids.

Constant Net Horsepower.

- Constant net horsepower allows the operator to maintain high standards of performance and response, even when parasitic loads, such as the on-demand cooling fan, are applied.
- Engine automatically adjusts to maintain power output and conversely lowers output when demands are low.
- Significant fuel savings in cooler climates and during long engine idle times typical of pipeline applications.
ADEM™ A4 Engine Controller.
The ADEM A4 electronic control module manages fuel delivery to get the best performance per liter (gallon) of fuel used. It provides flexible fuel mapping, allowing the engine to respond quickly to varying application needs. It tracks engine and machine conditions while keeping the engine operating at peak efficiency.

Fuel Delivery. Multiple injection fuel delivery involves a high degree of precision. Precisely shaping the combustion cycle lowers combustion chamber temperatures generating fewer emissions and optimizing fuel combustion; translating into more work output for your fuel cost.

MEUI Fuel System. A highly evolved fuel system with a proven record of reliability in the field. MEUI combines the technical advancement of an electronic control system with the simplicity of direct mechanically controlled unit fuel injection. The MEUI system excels in its ability to control injection pressure over the entire engine operating speed range. These features allow the C15 to have complete control over injection timing, duration, and pressure.

ATAAC and Turbocharging. Air-to-air aftercooling keeps air intake temperatures down and, in concert with the tight tolerance combustion chamber components, maximizes fuel efficiency and minimizes emissions. Significant improvements in air flow are generated by a water-cooled turbocharger, unique cross-flow head and single overhead cam.

Service. Easier maintenance and repair through monitoring key functions and logging critical indicators. Electronic diagnostic access is possible with a single tool, the Cat Electronic Technician.
Undercarriage

The Caterpillar elevated sprocket undercarriage is designed for optimized machine balance and best possible performance and component life.

**Final Drives.** Final drives and associated power train components are raised above the work area, isolating them from ground induced impact loads, as well as pipelaying loads, extending power train component life.

**Sprockets.** Sprocket position keeps sprocket teeth, bushings and final drives away from the abrasive materials and moisture, resulting in longer final drive gear and seal life.

**Rollers and Idlers.** Feature symmetric Duo-Cone™ seals for long sealing life to prevent oil loss and dirt entry. Toric rings maintain performance over a wide range of temperatures. Rollers and idlers are serviceable and rebuildable to provide value.

**Roller Frames.** Roller frames are tubular to resist bending and twisting, with added reinforcement where operating loads are highest.

- Non-oscillating roller frames for greater stability in pipelaying applications.
- The recoil system is sealed and lubricated.

**Sprocket Segments.** Made exclusively of Caterpillar Tough Steel™ for longer wear life and precision machined after heat treat for proper fit. Segments can be removed or replaced without breaking the track.

**Positive Pin Retention (PPR) Sealed and Lubricated Track.** Designed for high-impact and high load applications. The PPR exclusive Caterpillar design locks the link to the pin.

**Track Shoes.** Track shoes are 864 mm (34 in) single grouser design and made from heat treated, rolled steel for added strength. Wide track and clipped shoes are available as an option to match working conditions. Long track frame and wide gauge enhance track contact area, providing a stable working base.
Serviceability and Customer Support

World-class product support. The most serviceable machines from the most committed dealers. The Cat Dealer network trained experts keep your fleet up and running, maximizing your equipment investments. Caterpillar. The difference counts.™

Serviceability. Minimizes maintenance and repair downtime. New sight gauges, filter locations, improved access to oil and coolant sampling ports, and an engine compartment mounted work lamp, make daily and periodic service faster and easier.

Engine Oil Filter. Engine oil filter is located on the engine for easy servicing access and minimal downtime. Save further time with the optional quick oil change attachments.

Water Separator and Fuel Filter. Easily located just inside the engine access panel, the water separator functions as the primary fuel filter, just ahead of the secondary fuel filter.

Quick Disconnect Fittings. Allow for fast diagnosis of the power train, hydraulics and attachment oil systems.

S-O-S™ Analysis. Scheduled Oil Sampling made easier through live sampling ports for the engine oil, hydraulics and coolant.

Caterpillar Product Link PL300 (optional). This option allows the customer or dealer to obtain machine diagnostics and location information from their offices. Product Link PL300 provides updates on service meter hours, machine condition and machine location, as well as integrated mapping/route planning. Built-in flexibility allows for future technology development.

Purchase. Consider the financing options available, as well as day-to-day operating costs. This is also the time to look at dealer services that can be included in the cost of the machine to yield lower equipment owning and operating costs over the long run.

Product Support. Plan for effective maintenance before buying equipment. Choose from your dealer’s wide range of maintenance services at the time you purchase your machine. Programs such as Custom Track Service (CTS), S-O-S analysis, Technical Analysis and guaranteed maintenance contracts give peak life and performance to your machine.

Parts Program. You will find nearly all parts at your dealer parts counter. Cat Dealers use a worldwide computer network to find in-stock parts to minimize machine downtime. Ask about your Cat Dealer’s exchange program for major components. This can shorten repair time and lower costs.
Engine

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Model</td>
<td>Cat® C15 ACERT™</td>
</tr>
<tr>
<td>Gross Power</td>
<td>294 kW 394 hp</td>
</tr>
<tr>
<td>Flywheel Power</td>
<td>273 kW 366 hp</td>
</tr>
<tr>
<td>Net Power – Cat</td>
<td>273 kW 366 hp</td>
</tr>
<tr>
<td>Net Power – ISO 9249</td>
<td>273 kW 366 hp</td>
</tr>
<tr>
<td>Net Power – SAE J1349</td>
<td>270 kW 362 hp</td>
</tr>
<tr>
<td>Net Power – EU 80/1269</td>
<td>273 kW 366 hp</td>
</tr>
<tr>
<td>Bore</td>
<td>137 mm 5.4 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>172 mm 6.75 in</td>
</tr>
<tr>
<td>Displacement</td>
<td>15.2 L 928 in²</td>
</tr>
</tbody>
</table>

- Engine ratings at 1,800 RPM
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator
- No engine derating required up to 3658 m (12,000 ft). Automatic derating occurs beyond that altitude.

Service Capacities

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank</td>
<td>568 L 150 gal</td>
</tr>
<tr>
<td>Crankcase and filter</td>
<td>38 L 10 gal</td>
</tr>
<tr>
<td>Final drive (each side)</td>
<td>12.8 L 3.4 gal</td>
</tr>
<tr>
<td>Cooling system</td>
<td>77 L 20.3 gal</td>
</tr>
<tr>
<td>Hydraulic tank</td>
<td>114 L 30 gal</td>
</tr>
<tr>
<td>Power Train</td>
<td>155 L 41 gal</td>
</tr>
<tr>
<td>Roller Frames (each)</td>
<td>73 L 19 gal</td>
</tr>
<tr>
<td>Variable Fan Hub</td>
<td>3.1 L 0.82 gal</td>
</tr>
</tbody>
</table>

Operating Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifting Capacity</td>
<td>91 625 kg 202,000 lb</td>
</tr>
</tbody>
</table>

Weights

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>53 070 kg 117,000 lb</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>52 616 kg 116,000 lb</td>
</tr>
</tbody>
</table>

- Operating weight includes all shipping weights plus full fuel tank and operator.
- Shipping weight includes: lubricants, coolant, 10% fuel, hydraulic controls and fluids, backup alarm, seat belt, 864 mm (34") grouser shoes, drawbar, counterweight and boom removed.

Transmission

<table>
<thead>
<tr>
<th>Gear</th>
<th>Speed (km/h)</th>
<th>(mph)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Forward</td>
<td>3 km/h</td>
<td>1.9 mph</td>
</tr>
<tr>
<td>2 Forward</td>
<td>5.4 km/h</td>
<td>3.3 mph</td>
</tr>
<tr>
<td>3 Forward</td>
<td>9.4 km/h</td>
<td>5.8 mph</td>
</tr>
<tr>
<td>1 Reverse</td>
<td>4 km/h</td>
<td>2.5 mph</td>
</tr>
<tr>
<td>2 Reverse</td>
<td>7 km/h</td>
<td>4.4 mph</td>
</tr>
<tr>
<td>3 Reverse</td>
<td>12.3 km/h</td>
<td>7.7 mph</td>
</tr>
<tr>
<td>1F – Drawbar Pull</td>
<td>618.5 N</td>
<td>139 lbf</td>
</tr>
<tr>
<td>2F – Drawbar Pull</td>
<td>338.2 N</td>
<td>76 lbf</td>
</tr>
<tr>
<td>3F – Drawbar Pull</td>
<td>186.9 N</td>
<td>42 lbf</td>
</tr>
</tbody>
</table>

Standards

<table>
<thead>
<tr>
<th>Standard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brakes</td>
<td>Brakes meet the standard SAE J/ISO 10265 March99</td>
</tr>
<tr>
<td>ROPS</td>
<td>Optional ROPS (Rollover Protection Structure) meets the standards SAE J397 OCT95, SAE J1040 MAY94, ISO 3164 1995 and ISO 3471-1</td>
</tr>
</tbody>
</table>
Pipelaying Equipment

Planetary Hydraulic Winches

<table>
<thead>
<tr>
<th></th>
<th>Hook</th>
<th>Boom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drum diameter</td>
<td>317 mm</td>
<td>317 mm</td>
</tr>
<tr>
<td>Flange diameter</td>
<td>610 mm</td>
<td>610 mm</td>
</tr>
<tr>
<td>Drum length</td>
<td>338 mm</td>
<td>338 mm</td>
</tr>
<tr>
<td>Capacity – 19 mm (3/4” diameter)</td>
<td>181 m</td>
<td>181 m</td>
</tr>
<tr>
<td>Wire rope installed – 19 mm (3/4” diameter)</td>
<td>124 m</td>
<td>124 m</td>
</tr>
<tr>
<td>Hook speed (raise) with 8 part line</td>
<td>15.5 m/min</td>
<td>50.8 ft/min</td>
</tr>
<tr>
<td>Boom – square section standard</td>
<td>8.5 m</td>
<td>28 ft</td>
</tr>
<tr>
<td>Removable counterweight 13 segments, 2 @</td>
<td>285 kg</td>
<td>628 lb</td>
</tr>
<tr>
<td></td>
<td>6 @</td>
<td>1,410 lb</td>
</tr>
<tr>
<td></td>
<td>7 @</td>
<td>1,574 lb</td>
</tr>
<tr>
<td>Total weight extendible</td>
<td>12 900 kg</td>
<td>28,440 lb</td>
</tr>
</tbody>
</table>

Lifting Capacity

Specified Equipment:

- 19 mm (3/4”) diameter wire rope
- 26 672 kg (58,800 lb) minimum breaking strength
- 8 part load line
- 5 part boom line
- 12 900 kg (28,440 lb) counterweight extended boom 8.5 m (28 ft) standard
- Total operating weight 53 070 kg (117,000 lb)

A Lift capacity at tipping point*
B Rated load capacity*
C Working range*

* Per ISO 8813:1992
# Dimensions (approximate)

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Width to outside of track</td>
<td>3403 mm (11'2&quot;)</td>
</tr>
<tr>
<td>2</td>
<td>Shipping width (boom and counterweight removed)</td>
<td>4038 mm (13'3&quot;)</td>
</tr>
<tr>
<td>3</td>
<td>SAE ground clearance (face of shoe)</td>
<td>516 mm (20.3&quot;)</td>
</tr>
<tr>
<td>4</td>
<td>Boom height – vertical</td>
<td>9254 mm (30'4&quot;)</td>
</tr>
<tr>
<td>5</td>
<td>Height with ROPS and boom removed</td>
<td>3505 mm (11'6&quot;)</td>
</tr>
<tr>
<td>6</td>
<td>Grouser height</td>
<td>93 mm (3.7&quot;)</td>
</tr>
<tr>
<td>7</td>
<td>Operating length</td>
<td>5486 mm (18'0&quot;)</td>
</tr>
<tr>
<td>8</td>
<td>Shipping height (boom removed)</td>
<td>3835 mm (12'7&quot;)</td>
</tr>
</tbody>
</table>
Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for details.

ELECTRICAL
Alarm, Back up
Alternator, 95-amp
Batteries, 4, maintenance free
Converter, 12V, 10 amp with 1 outlet
Diagnostic connector (starting and charging system)
Horn, forward warning
Lighting system
Starting receptacle

POWER TRAIN
Advanced Modular Cooling System (AMOCS)
Aftercooler, air to air (ATAAC)
Engine, C15 with ACERT™ Technology
Coolant, extended life with protection to –37°C (–34°F)
Filter, air with electronic service indicator
Electric starting, 24 volt direct
Fan, hydraulically driven
Final drives, four planet, double-reduction planetary
Fuel priming pump
Muffler
Parking brake, electronic
Precleaner with dust ejector
Prescreener
Shift management, automatic directional/downshift
Ether starting aid
Torque divider
Transmission, electronically-controlled powershift, 3F/3R
Transmission control module, electronic
Turbocharger, wastegate
Water separator

UNDERCARRIAGE
Carrier roller
Undercarriage, non-suspended with 9-roller, tubular track
Counter weight, extendible segmented 12 900 kg (28,440 lb)
Drawworks, hydraulically actuated and controlled
Hook latch

OPERATOR ENVIRONMENT
Armrest, adjustable
Deactivation switch, hydraulic controls
Pedal, Decelerator
Pedal, Brake
Horn
Hour meter
Gauge package:
  Coolant temperature
  Power train oil temperature
  Hydraulic oil temperature
Governor switch, electronic
Key start, single
Monitoring System, Electronic warning
Seat, vinyl suspension
Seat belt, retractable
Service indicator, air cleaner
Steering system, Electronic Fingertip Control
Storage compartment

PIPELAYING EQUIPMENT
Block and Hook, heavy duty with roller bearings
Boom, 8.5 m (28 ft)
Counter weight, extendible segmented 12 900 kg (28,440 lb)
Drawworks, hydraulically actuated and controlled

OTHER STANDARD EQUIPMENT
Front bumper with towing device
Drawbar, rigid heavy duty
Ecology drains
Diagnostic pressure taps
Guards:
  Crankcase
  Power train, hinged
  Radiator, hinged
  Track guiding
Hydraulics, pilot operated pipelayer system
Parts book, CD rom
Oil cooler, hydraulic
Product link ready
Vandalism protection for fluid compartments
Equalizer bar, pinned
Steering, electronic clutch brake
Hood, solid
Hydraulic Pumps, work tool
S-O-S Sampling Ports
Optional Equipment
Optional equipment may vary. Consult your Caterpillar dealer for details.

**ELECTRICAL**
- Alternator, 150 amp
- Batteries, heavy duty

**OPERATOR ENVIRONMENT**
- Air conditioning
- Cab (includes)
  - Lights, 8 additional
  - Sliding windows
- Heater
- Roof window
- Rear pop-out window
- 3 wipers, (front, rear, door)
- Dual pane windows
- Pedals, dual brake

**PIPELAYING EQUIPMENT**
- Protection pads, boom and load

**POWER TRAIN**
- Enclosures, arctic engine
- Fan, auto reversible
- Fast Fuel System
- Starting, low temperature
- Heater, engine coolant
- Heater, diesel fuel
- Oil change system, quick
- Prelube, engine, automatic
- Coolant, Extended Life –50° C (–58° F)

**OTHER OPTIONAL EQUIPMENT**
- Cold weather arrangement
- Guards:
  - Track roller
  - Radiator core protection grid
- Tool kit (dealer installed)
- ROPS, roll over protection system
- Product link, PL300
- Vandalism Protection
- Parts Book, paper