# 444F2

# Backhoe Loader





| Cat <sup>®</sup> C4.4 ACERT™ Engine | Standard | Optional |
|-------------------------------------|----------|----------|
| Gross Power ISO 14396               | 74.4 kW  | 82.0 kW  |
| Net Power ISO 9249                  | 70.0 kW  | 77.6 kW  |
| Weights                             |          |          |
| Operating Weight                    | 9606 kg  |          |

| Backhoe Digging Deptl | Bac | khoe | Diaa | ina | Denti |
|-----------------------|-----|------|------|-----|-------|
|-----------------------|-----|------|------|-----|-------|

| Digging Depth, SAE Maximum |         |
|----------------------------|---------|
| Standard Stick             | 4331 mm |
| E-Stick Retracted – 4.26 m | 4335 mm |
| E-Stick Extended – 4.26 m  | 5312 mm |
| E-Stick Retracted – 4.87 m | 4686 mm |
| E-Stick Extended – 4.87 m  | 5707 mm |
|                            |         |

#### **444F2 Features**

#### **ECO Mode**

A new feature for the F2 Series machines, integrated into the heart of the machine it is able to adjust key functions to save fuel and allow the machine to deliver high powered performance.

#### **Product Link™**

A feature that really allows you to get the most from your Cat Backhoe Loader; set a virtual boundary, compare idle and working times, and view accurate fuel usage. These with many other features provided through the Product Link option will really help you get the highest possible productivity from your machine and stay in control.

#### **Cab and Controls**

The introduction of the new cab to the Cat Backhoe Loader provides a comfortable and easy to use operator environment. With the ability to customize your experience, the all new cab allows the operator to perform in greater comfort and enjoy the latest technologies available on today's generation of backhoe loaders.

#### **Powerful Hydraulics**

The F2 Series machines really make an impact. High pump flow in a superior hydraulic system allow the operator excellent hydraulic performance at their fingertips.

### **Electro-Deposition Coating**

At Caterpillar we believe in built in quality. The 444F2 has been treated with an electro deposited (E-Coat) primer which completely seals the metallic components of the machines structure.

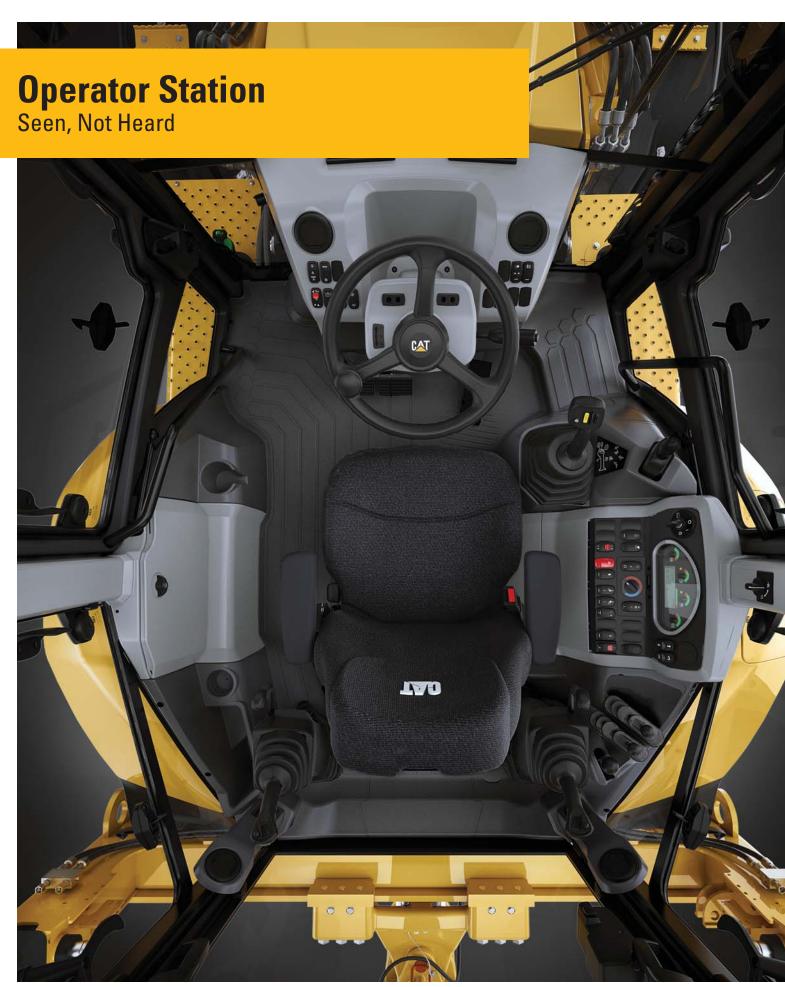
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Caterpillar has a well proven history in the construction equipment industry and has been producing the highest quality machines for 90 years, making progress possible and driving positive and sustainable change on every continent. For 30 years Caterpillar has produced the British built backhoe loader. From the A Series to this new F2 Series we have produced machines that are designed with the operator in mind, providing reliability, power and a quality operator environment. We have combined 30 years of passion, expertise and experience to create the latest Backhoe Loader offering from Caterpillar, the F2.



### The Class Leading Operator Environment Just Got Better

- 74 d(B)A internal sound level across the range no matter the engine option.
- Heated seat to keep the operator warm no matter what the conditions are.
- Fantastic layout of switches and controls provide an ergonomic and comfortable operating environment all day long.
- Cat backhoe control pods provide infinite adjustment on a 4 way axis allowing the operator to position the controls in the most comfortable position for them.
- An all new information display cluster will allow the operator to access information about the machines health and the new trip computer will provide performance information.
- A redesigned roof cap provides the operator with superior visibility to the loader at maximum dump height, from the comfort of the seat.
- The A-post mounted exhaust allows great forward visibility. The exhaust has also been angled backwards, parallel to the A-Post, to minimize any impact on visibility.
- Secure your investment with the Cat Backhoe Loader security system
  designed specifically for the Cat backhoe loader, this device will keep
  your investment secure, while providing easy access for up to
  25 specified people.
- The loader control now gives you more power at your fingertips.
   Differential lock, forward, neutral and reverse switch, kickout and auxiliary control.





The 444F2 is fitted with Pilot controls providing low effort operation, with the ability to switch between ISO (Excavator) or SAE (Backhoe) control patterns with the press of a button. Providing easy and safe operation for operators of any experience or ability.

### The Proven C4.4 ACERT Engine Delivers Reliable Power on Demand

- A choice of 74.5 kW or 82 kW.
- Outstanding fuel economy, contributes to low owning and operating costs.
- A robust aftertreatment solution to reduce emissions without compromising performance.
- To meet EU Stage IV emission standards the Cat Backhoe Loader utilizes the latest emissions technology available, including Diesel Exhaust Fluid.

#### **ECO Mode**

The F2 Series of Cat Backhoe Loaders have an all new Advanced Power Management System (APMS)

- The APMS allows the operator to set the machine to ECO mode providing excellent fuel savings.
- Providing the perfect balance between power and economy, the APMS enables fuel saving with no impact on productivity.

#### **Axles and Differential Lock**

The F2 Series of Cat Backhoe Loaders boast Heavy Duty Cat Axles

- Providing high durability, low noise levels and superb traction on uneven surfaces.
- Three chamber system provide constant lubrication of the heavy duty running gear and bearings on all gradients.
- 100% locking differential is fitted as standard on the Cat Backhoe Loader ensuring maximum traction in all conditions.
- The 444F2 is an equal sized tire machine which delivers many additional benefits: Flotation and low ground pressure, increased loader performance and all wheel steer.

### **Power Shift Transmission**

This six speed transmission will perfectly match itself to the application, carefully selecting the appropriate gear whether you're driving between job sites or using the loader function. Now the gear box has been tweaked, smoothing gear shifts and extending the top gear providing a more efficient and comfortable driving experience.

### **Torque Lock-Up**

The lock-up torque converter provides a direct ratio between power pack and driveline when in the roading gears. This results in a 16% decrease in fuel consumption and an 11% increased average speed. The lock-up torque converter is an invaluable addition for those traveling between job sites.



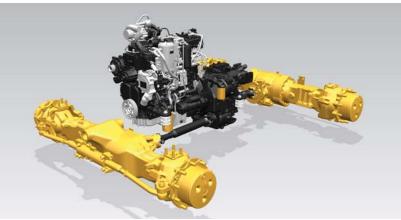


# **Power Train**

Powerful, Proven and Efficient









# **Powerful Load Sensing Hydraulic System**

Intelligent hydraulics provide the right amount of power at the right time. Load sensing, closed center hydraulic system, actively matches hydraulic power and flow, allowing full hydraulic forces at any engine speed.

- Flow-sharing valves actively manage the flow of oil between each function of the machine. When the operator demands multiple operations the machine responds, providing smooth, effortless operation.
- Electronic Torque Limiter on the machine helps to provide perfect synchronization between the engine, transmission and hydraulic system.
- Cat Backhoe Loaders have always provided a superior solution and this machine is
  no different. A high capacity variable displacement piston pump allows for perfect
  matching of power and operator demand, providing power when it is needed as well
  as great fuel economy.
- The operator has the ability to adjust the flow to the auxiliary lines. This means the
  machine can be tailored to the operators preference or to perfectly match machine
  and work tool.















#### **Loader Performance**

The proven design of the F2 loader provides ultimate performance. This machine makes light work of lifting and loading.

- Parallel lift loader arms offer excellent forward visibility and self leveling, ensuring excellent material retention throughout the lift and lower cycles.
- Ride Control option offers loader suspension to improve ride comfort when moving around the job site or transporting the machine on the road. There is also the added benefit of increased material retention providing an invaluable boost in productivity.
- The Return to Dig system returns the bucket to level, great for applications with repetitive work cycles.
- An optional hydraulic Quick Coupler provides safe and simple exchange of work tools.
   The quick coupler also allows access to a wider range of Cat Work Tools.

# **Backhoe**

# **Built for the Task**

### **Excavator Style Backhoe**

Whether close-up truck loading or digging over obstacles, the iconic excavator style boom tackles the toughest jobs with ease. Combine this versatility with powerful breakout forces, controllability, a flow-sharing hydraulic system and the 444F2 is capable of high levels of productivity with minimum effort. The boom is a narrow design that ensures maximum visibility to the work tool and ground with the addition of a 4.3 m or 4.9 m stick option.

#### **Extendible Stick**

The 444F2 is available with an extendible stick that increases dig depth and reach capability increasing the machines versatility and utilization, reducing the amount of machine repositioning and therefore reducing site damage. A sliding inner section design helps to ensure the wear pads remain as dirt free as possible, extending adjustment and replacement intervals. Auxiliary lines, for operating hydraulic work tools, have been routed so that they are protected from damage when working in the narrowest of trenches.

#### **Side Shift Frame**

The F2 Series Side Shift Frame has exterior locking clamps, with no disassembly needed when servicing. The frame is a solid design with E-Coat protection, this prevents material build up in the frame and reduces the risk of rust, increasing the life of the frame.

#### **Cat Cushion Swing**

The 444F2 is equipped with Cat Cushion Swing, which enables very fast trenching by damping the boom oscillation during trenching cycles.

### Powered Side Shift (optional)

Provides a hydraulic service to allow the operator to easily position the backhoe across the full width of the Side Shift Frame. Ideal for use in areas with minimal space and utility applications such as gas, electrical, and telecoms.









# A Solution for Every Job







### Loader

#### **Loader Buckets**

General Purpose loader buckets are available as well as the hydraulically operated Multi Purpose bucket. These come in a range of sizes from  $0.96\ m^3$  to  $1.3\ m^3$ .

#### Other Available Tools Include:

- Brooms
- Material Handling Arms
- Truss Booms
- Forks
- Blades

#### **Backhoe**

#### **Excavating Buckets**

Cat Work Tools provide a range of buckets in various sizes. It is easy to find the correct bucket for the environment with a range including:

- Standard Duty
- Heavy Duty
- High Capacity
- Rock
- Ditching

#### Other Available Backhoe Tools Include:

- Cold Planers
- Hammers
- Augers
- Vibratory Compaction Plates

### **Backhoe Quick Coupler**

Manual or Hydraulic backhoe couplers make rear tool exchange quick, easy and safe. New Cat dual lock couplers have a self adjusting wedge design to ensure a tight fit. They also feature a safety lock which automatically engages.



# **Daily Service Points**

Caterpillar understands that the easier a task is the more likely it is to be done. We have ensured that servicing the Cat Backhoe Loader is as simple as it can be. All daily check points are grouped together and are easy to access. Sealed for life axles and driveshafts remove the need for operators to grease the time consuming and awkward areas below the machine.

#### **Hinged Cooling Pack**

The hood opens to reveal the engine and a unique to Cat hinged cooling pack. The air conditioning pack lifts up and the radiator tilts forward with no tooling required, giving easy access for debris removal whether you are in the workshop or on a job site, keeping cooling performance to an optimum.

# **Wear Pad Adjustments**

The Extendible Stick (E-Stick) is designed to be self lubricating, to minimize the need for operator interaction. The stabilizers and E-Stick all have easily adjustable wear pads that require no disassembly. When wear pad adjustments are necessary, the adjustment bolts are easy to access, taking minutes to complete the adjustment.

#### **Cat Filters**

All Cat filters are vertically mounted for spill free servicing and reduced oil contamination. These low micron filters remove microscopic particles from the oil, keeping the engine, transmission and hydraulic system running smoothly for years.



# **Customer Support Agreements**

Your Cat dealer can offer a comprehensive range of CSA's which can be individually tailored to suit your finances and requirements. Dealers can offer a range of options from a full preventative maintenance with S.O.S<sup>SM</sup> package to a parts only CSA. Protect your valuable investment and know exactly what your monthly payments will be to help you run your business.

#### **Finance**

Have you explored the range of options available from your dealer to finance your machine? They can offer a selection of attractive packages tailored to suit your every requirement.

#### **Machine Selection**

Your dealer can help you with your machine purchase decision, based on your requirements and help keep operating costs to a minimum. Is the machine you have in mind exactly the best for your job, or could there be a more suitable solution?

### **Training and Support**

Speak to your dealer about additional support. They can advise you on operating techniques for your machines which will minimize wear and tear, maximize productivity, lower owning and operating costs and help you make the most of the fantastic features offered on the Cat Backhoe Loaders.

| EU Stage IV<br>Standard<br>Offering                 | EU Stage IV<br>Optional   |
|---|---|
|   | Offering  |
| C4.4<br>ACERT<br>Electronic<br>Turbo<br>Intercooled | C4.4<br>ACERT<br>Electronic<br>Turbo<br>Intercooled   |
|   |   |
| 74.4 kW/<br>101.2 hp                                | 82.0 kW/<br>111.5 hp  |
|   |   |
| 70.0 kW/<br>95.2 hp                                 | 77.6 kW/<br>105.6 hp  |
| 70.0 kW/<br>95.2 hp                                 | 77.6 kW/<br>105.6 hp  |
| 46%   | 32%   |
| 438 N·m   | 439 N·m   |
| 105 mm  | 105 mm  |
| 127 mm  | 127 mm  |
| 4.4 L   | 4.4 L   |
|   | C4.4 ACERT Electronic Turbo Intercooled  74.4 kW/ 101.2 hp  70.0 kW/ 95.2 hp  70.0 kW/ 95.2 hp  46% 438 N·m  105 mm  127 mm |

- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- No derating required up to 2286 m altitude. Auto derate protects hydraulic and transmission systems.
- Meets EU Stage IV emission standards.

#### **Transmission**

Travel speeds of Two Wheel Drive backhoe loader at full throttle, when equipped with 440/80R28 rear tires and HRC 74.5 kW engine.

| 1 11    |            | _                        |
|---------|------------|--------------------------|
|         | Auto-Shift | Auto-Shift*<br>(Lock-Up) |
| Forward |            |                          |
| 1st     | 6 km/h     | 6 km/h                   |
| 2nd     | 9.6 km/h   | 9.6 km/h                 |
| 3rd     | 12.5 km/h  | 12.5 km/h                |
| 4th     | 19.6 km/h  | 19.6 km/h                |
| 5th     | 26.8 km/h  | 25.5 km/h                |
| 6th     | 40 km/h    | 40 km/h                  |
| Reverse |            |                          |
| 1st     | 6 km/h     | 6 km/h                   |
| 2nd     | 12.5 km/h  | 12.5 km/h                |
| 3rd     | 27.2 km/h  | 27.2 km/h                |

<sup>\*</sup>Auto-shift (lock-up) is an optional extra.

| Service Refill Capacitie  | es                         |
|---------------------------|----------------------------|
| Cooling System            | 22 L                       |
| Fuel Tank                 | 160 L                      |
| Engine with Oil Filter    | 8.8 L                      |
| Diesel Exhaust Fluid      | 19 L                       |
| Transmission (Auto-Shift) |                            |
| AWD                       | 19 L                       |
| Rear Axle                 |                            |
| Center Housing            | 16 L                       |
| Planetaries               | 1.7 L                      |
| Front Axle (AWD)          |                            |
| Center Housing            | 14 L                       |
| Planetaries               | 1.7 L                      |
| Hydraulic System          | 95 L                       |
| Hydraulic Tank            | 40 L                       |
| Hydraulic System          |                            |
| Type                      | Closed Center              |
| Pump Type                 | Variable-flow Axial Piston |

| Pump Type             | Variable-flow, Axial Piston |
|-----------------------|-----------------------------|
| Maximum Pump Capacity | 163 L/min                   |
| System Pressure       |                             |
| Backhoe               | 250 Bar                     |
| Loader                | 250 Bar                     |
| Noise Level           |                             |
| Inside Cah            | 74 dR(A)                    |

100 dB(A)

Outside Cab

| Weights*                                      |            |                  |
|---|------------|------------------|
| Operating Weight                              | 9606 kg    |                  |
| Operating Weight (Maximum)<br>(ROPS Capacity) | 11 500 1   | ξg               |
| Ride Control                                  | 11 kg      |                  |
| Air Conditioning                              | 34 kg      |                  |
| MP Bucket (1.15 m³)                           |            |                  |
| with fold-over forks                          | 927 kg     |                  |
| without fold-over forks                       | 767 kg     |                  |
| Loader, IT with QC                            | 365 kg     |                  |
| 4.3 m Stick (excludes ft. counterweight)      | 199 kg     |                  |
| 4.9 m Stick (excludes ft. counterweight)      | 354 kg     |                  |
| Counterweight                                 |            |                  |
| Base  | 115 kg     |                  |
|   | Pin On     | Quick<br>Coupler |
| Minimum Counterweight Recommenda              | ations – S | Standard Stick   |
| Loader Bucket                                 |            |                  |
| GP  | 0 kg       | 115 kg           |
| MP  | 0 kg       | 115 kg           |
| Minimum Counterweight Recommenda              | ations – I | Extendible Stick |
| Loader Bucket                                 |            |                  |
| GP  | 0 kg       | 115 kg           |

<sup>\*</sup>Machine Configuration – 74.5 kW engine, standard stick hoe, standard cab with A/C, AWD autoshift transmission, 1.3 m³ MP loader bucket, 24" standard duty hoe bucket, 440/80R28 tires, no counterweight, 80 kg operator, full fuel tank.

0 kg

115 kg

#### **Axles**

MP

All Wheel Drive (AWD)

#### **Features**

- Heavy-duty rear axle with self adjusting inboard brakes, differential lock and final drives.
- AWD is engaged by front console panel switch or by brake pedal during all-wheel-braking operation. AWD can be engaged on the move, under load, in any gear, forward or reverse. AWD has outer final drives for easy maintenance.
- AWD front axle is pendulum mounted and permanently sealed and lubricated, requiring no daily maintenance. Also features doubleacting steering cylinder with 52° steering angle for increased maneuverability.

| Axle Ratings    |           |
|-----------------|-----------|
| Front Axle, AWD |           |
| Static          | 22 964 kg |
| Dynamic         | 9186 kg   |
| Rear Axle       |           |
| Static          | 22 964 kg |
| Dynamic         | 9186 kg   |
|                 |           |

| Steering                            |             |
|-------------------------------------|-------------|
| Туре                                | Front Wheel |
| Power Steering                      | Hydrostatic |
| AWD Cylinder, one (1) double-acting |             |
| Bore                                | 65 mm       |
| Stroke                              | 120 mm      |
| Rod Diameter                        | 65 mm       |
| Axle Oscillation                    | 7 mm        |
| Turning Circle                      |             |
| AWD (inner wheel not braked)        |             |
| Outside Front Wheels                | 9.8 m       |
| Outside Widest Loader Bucket        | 12.6 m      |

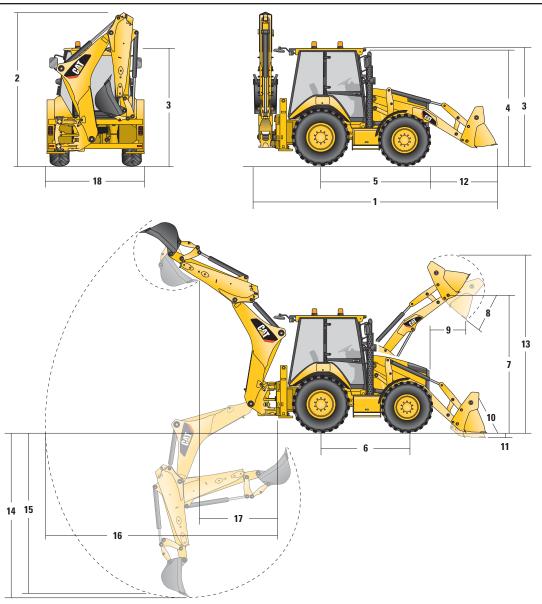
#### **Brakes**

Fully enclosed boosted, hydraulic, multiple discs.

#### Feature

- Inboard oil-immersed, hydraulically actuated multiple Kevlar discs on final drive input shaft.
- Completely enclosed and sealed.
- Self-adjusting.
- Dual foot-operated boosted brake pedals can be interlocked for roading.
- Parking/secondary brakes are independent of the service brake system. Parking brake is mechanically applied through a hand lever located in the right side console.
- Meets ISO 3450:1996 requirements.

# **Machine Dimensions**



|  | GP – 1.3 m <sup>3</sup> | MP – 1.3 m <sup>3</sup> | MP with forks – 1.3 m <sup>3</sup> | MP/QC – 1.3 m <sup>3</sup> |
|--|-------------------------|-------------------------|------------------------------------|----------------------------|
| 1 Overall Length in Roading Position     | 5864 mm                 | 5864 mm                 | 5864 mm                            | 5902 mm                    |
| Overall Transportation Length            | 5921 mm                 | 5921 mm                 | 5921 mm                            | 6010 mm                    |
| 2 Overall Transport Height – 4.3 m stick | 3829 mm                 | 3829 mm                 | 3829 mm                            | 3829 mm                    |
| Overall Transport Height – 4.9 m stick   | 4008 mm                 | 4008 mm                 | 4008 mm                            | 4008 mm                    |
| Overall Width (excluding loader bucket)  | 2322 mm                 | 2322 mm                 | 2322 mm                            | 2322 mm                    |
| 3 Height to Top of Cab/Canopy            | 2897 mm                 | 2897 mm                 | 2897 mm                            | 2897 mm                    |
| 4 Height to Top of Exhaust Stack         | 2754 mm                 | 2754 mm                 | 2754 mm                            | 2754 mm                    |
| 5 Rear Axle Centerline to Front Grill    | 2795 mm                 | 2795 mm                 | 2795 mm                            | 2795 mm                    |
| 6 Wheelbase AWD                          | 2235 mm                 | 2235 mm                 | 2235 mm                            | 2235 mm                    |

Dimensions and performance specifications shown are for machines equipped with 440/80R28 tires, standard cab, standard stick with 24 inch standard duty bucket, and 1.3 m³ MP loader bucket and standard equipment unless otherwise specified.

# **Loader Bucket Dimensions and Performance**

|   | GP – 1.3 m <sup>3</sup> | MP – 1.3 m <sup>3</sup> | MP with forks – 1.3 m <sup>3</sup> | MP/QC – 1.3 m <sup>3</sup> |
|---|-------------------------|-------------------------|------------------------------------|----------------------------|
| Capacity  | 1.30 m <sup>3</sup>     | 1.30 m <sup>3</sup>     | 1.30 m <sup>3</sup>                | 1.30 m <sup>3</sup>        |
| Width   | 2434 mm                 | 2434 mm                 | 2434 mm                            | 2434 mm                    |
| Lift Capacity at Maximum Height                 | 4638 kg                 | 4283 kg                 | 4055 kg                            | 4093 kg                    |
| Lift Breakout Force                             | 61.2 kN                 | 57.7 kN                 | 55.5 kN                            | 55.2 kN                    |
| Tilt Breakout Force                             | 62.9 kN                 | 58.9 kN                 | 58.0 kN                            | 51.8 kN                    |
| Tipping Load at Breakout Point                  | 7001 kg                 | 6621 kg                 | 6439 kg                            | 5870 kg                    |
| 7 Maximum Hinge Pin Height                      | 3567 mm                 | 3567 mm                 | 3567 mm                            | 3567 mm                    |
| 8 Dump Angle at Full Height                     | 45°                     | 45°                     | 45°                                | 45°                        |
| Dump Height at Maximum Angle                    | 2794 mm                 | 2773 mm                 | 2773 mm                            | 2710 mm                    |
| <b>9</b> Dump Reach at Maximum Angle            | 923 mm                  | 944 mm                  | 944 mm                             | 1008 mm                    |
| 10 Maximum Bucket Rollback at Ground Level      | 43°                     | 43°                     | 43°                                | 46°                        |
| 11 Digging Depth                                | 105 mm                  | 105 mm                  | 105 mm                             | 105 mm                     |
| Maximum Grading Angle                           | 111°                    | 111°                    | 111°                               | 104°                       |
| 12 Grill to Bucket Cutting Edge, Carry Position | 1489 mm                 | 1503 mm                 | 1500 mm                            | 1541 mm                    |
| 13 Maximum Operating Height                     | 4570 mm                 | 4402 mm                 | 4402 mm                            | 4637 mm                    |
| Bucket Weight (Excluding Teeth or Forks)        | 460 kg                  | 798 kg                  | 811 kg                             | 989 kg                     |

# **Backhoe Dimensions and Performance**

|   | Standard<br>Stick –<br>4.3 m | E-stick<br>Retracted –<br>4.3 m | E-stick<br>Extended –<br>4.3 m | E-stick<br>Retracted –<br>4.9 m | E-stick<br>Extended –<br>4.9 m |
|---|------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|
| 14 Digging Depth, SAE Maximum                     | 4331 mm                      | 4335 mm                         | 5312 mm                        | 4686 mm                         | 5707 mm                        |
| Digging Depth, Manufacturer's Maximum             | 4738 mm                      | 4743 mm                         | 5660 mm                        | 5168 mm                         | 6129 mm                        |
| <b>15</b> Digging Depth, 2400 mm Flat Bottom      | 3956 mm                      | 3960 mm                         | 5022 mm                        | 4341 mm                         | 5416 mm                        |
| Digging Depth, 600 mm Flat Bottom                 | 4288 mm                      | 4291 mm                         | 5278 mm                        | 4654 mm                         | 5671 mm                        |
| Digging Depth, 600 mm Flat Bottom, Manufacturer's | 4718 mm                      | 4723 mm                         | 5660 mm                        | 5133 mm                         | 6115 mm                        |
| Reach from Rear Axle Centerline at Ground Line    | 6742 mm                      | 6748 mm                         | 7673 mm                        | 7219 mm                         | 8171 mm                        |
| 16 Reach from Swing Pivot at Ground Line          | 5652 mm                      | 5658 mm                         | 6583 mm                        | 6129 mm                         | 7081 mm                        |
| Maximum Operating Height                          | 5596 mm                      | 5595 mm                         | 6163 mm                        | 6172 mm                         | 6869 mm                        |
| Loading Height                                    | 3927 mm                      | 3938 mm                         | 4505 mm                        | 4495 mm                         | 5192 mm                        |
| 17 Loading Reach                                  | 1808 mm                      | 1758 mm                         | 2641 mm                        | 1696 mm                         | 2482 mm                        |
| Swing Arc   | 180°                         | 180°                            | 180°                           | 180°                            | 180°                           |
| Bucket Rotation                                   | 205°                         | 205°                            | 205°                           | 205°                            | 205°                           |
| 18 Stabilizer (overall width)                     | 2352 mm                      | 2352 mm                         | 2352 mm                        | 2352 mm                         | 2352 mm                        |
| Bucket Dig Force                                  | 63.4 kN                      | 63.4 kN                         | 63.4 kN                        | 63.4 kN                         | 63.4 kN                        |
| Stick Dig Force                                   | 42.7 kN                      | 43.5 kN                         | 31.6 kN                        | 47.2 kN                         | 35.1 kN                        |

Dimensions and performance specifications shown are for machines equipped with 440/80R28 tires, standard cab, standard stick with 24 inch standard duty bucket, and 1.3 m³ MP loader bucket and standard equipment unless otherwise specified.

# **444F2 Standard and Optional Equipment**

# **Standard and Optional Equipment**

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

|  | Standard | Optional     |
|--|----------|--------------|
| Cab ROPS and FOPS  |          |              |
| Cab, Deluxe  | _        | ✓            |
| Cab, Standard  | ✓        |              |
| *See Cab Options Page  |          |              |
| Cab ROPS and FOPS are standard.  |          |              |
| ROPS (Roll Over Protective Structure)  |          |              |
| offered by Caterpillar for this machine<br>meets ROPS criteria ISO 3471:1994 |          |              |
| and FOPS (Falling Objects Protective   |          |              |
| Structure) criteria ISO 3449:1992.   |          |              |
| Tires/Steering/Brakes  |          |              |
| All Wheel Drive  | ✓        | _            |
| All Wheel Steering   | ✓        | _            |
| 100% Differential Lock   | ✓        | _            |
| Hydraulic Boosted Brakes (dual pedals)                                       | ✓        | _            |
| Tires 24 inch  | ✓        | _            |
| Tires 28 inch  | _        | ✓            |
| Engine/Transmission  |          |              |
| Battery 750 CCA, Maintenance Free  | ✓        | _            |
| (standard)   |          |              |
| Battery 750 CCA, Maintenance Free  | _        | ✓            |
| (heavy duty)   |          |              |
| Hinged Radiator Unit for Simple<br>Debris Removal                            | ✓        | _            |
| Auto Idle  |          |              |
| ECO Mode   |          |              |
| Engine 74.5 kW (101 hp) Cat C4.4 ACERT                                       |          |              |
| Engine 82 kW (112 hp) Cat C4.4 ACERT   | •        |              |
| Engine Block Heater  |          |              |
| Jump Start Connector   |          |              |
| Transmission Neutralizer   | -/       |              |
|  | <u> </u> |              |
| Transmission, 6-Speed Automatic  | <b>v</b> |              |
| Transmission, 6-Speed Automatic (torque lock-up)                             |          | ✓            |
| Input  |          |              |
| Controls, Pilot (Servo) Joysticks  | <b>√</b> | _            |
| Pattern Selector (ISO/SAE)   | <b>√</b> |              |
| Power Steering, Hydrostatic  | <u> </u> |              |
| Other Attachments  | ·        |              |
| Counterweight, 115 kg  | _        | <b>√</b>     |
| Front Fenders  |          |              |
| Street Pads, Stabilizers   |          |              |
| Tool Storage Box   |          | <del>-</del> |
|  | ./       |              |
| Transport Tie-downs  | · ·      |              |

|  | Standard | Optional    |
|--|----------|-------------|
| Guards   |          |             |
| Guard, Teeth (GP/MP)                           | _        | ✓           |
| Guard, Driveshaft                              | _        | ✓           |
| Guard, Tail Lights                             | _        | ✓           |
| Loader Safety Brace                            | ✓        | _           |
| Object Handling Kit                            | _        | ✓           |
| Field Installed Attachments                    |          |             |
| Powered Side Shift (PSS)                       | _        | ✓           |
| Boom Sticks and Linkages – Backhoe             |          |             |
| Quick Coupler, Hydraulic                       |          | ✓           |
| Quick Coupler, Mechanical                      |          | ✓           |
| Stick, Extending (4.3 m)                       |          | ✓           |
| Stick, Extending (4.9 m)                       |          | ✓           |
| Stick, Standard (4.3 m)                        | ✓        |             |
| Transport Lock, Swing                          | ✓        |             |
| Transport Lock, Boom                           | ✓        | _           |
| Boom Sticks and Linkages – Loader              |          |             |
| Loader Cutting Edge (2 pieces)                 |          | ✓           |
| Quick Coupler, Hydraulic                       | _        | ✓           |
| Hydraulics                                     |          |             |
| Hydraulic Pump (163 L/min)                     | ✓        |             |
| Hydraulic Quick Disconnects (twist to connect) | _        | ✓           |
| Programme Auxiliary Flows                      | ✓        |             |
| Side Shift Lock (electro-hydraulic)            | ✓        |             |
| Hydraulic Oil Cooler                           | ✓        | _           |
| Hydraulics – Backhoe                           |          |             |
| Hydraulic Lines, 1-Way                         |          | ✓           |
| Hydraulic Lines, 2-Way                         | _        | ✓           |
| Hydraulic Continuous Flow                      |          | ✓           |
| Hydraulics – Loader                            |          |             |
| Loader Kickout, Float                          | <b>√</b> |             |
| Loader Kickout, Return to Dig                  | <b>√</b> |             |
| Auto Ride Control                              |          | <b>√</b>    |
| Parallel Lift                                  | <b>√</b> |             |
| Electrical                                     |          |             |
| Product Link, Cellular                         | _        | ✓           |
| Product Link, Satellite                        |          | ✓           |
| Reversing Alarm                                | <b>√</b> |             |
| Stabilizer Alarm                               | <b>√</b> | <del></del> |
| Beacon, Strobe                                 |          | <b>√</b>    |
| Beacon, Rotating                               | _        | ✓           |

# **444F2 Standard and Optional Equipment**

# **Cab Options**

|   | Standard | Deluxe   |
|---|----------|----------|
| Air Recirculation Control                           | _        | ✓        |
| Air Conditioning                                    | Optional | Optional |
| Auto-Up Stabilizers                                 | _        | ✓        |
| Beacon Socket (×2)                                  | ✓        | ✓        |
| Brake Pedals Operable Independently and Interlocked | ✓        | ✓        |
| Cab Heater  | ✓        | ✓        |
| Cab Internal Light                                  | ✓        | ✓        |
| Cab Internal Light (courtesy)                       | _        | ✓        |
| Cup Holders (×2)                                    | ✓        | ✓        |
| Differential Lock Button on Loader Control          | ✓        | ✓        |
| F/N/R* Functions on Loader Control                  | ✓        | ✓        |
| Face Fan  | Optional | Optional |
| Front and Rear Side Opening Windows                 | ✓        | ✓        |
| Front Headlights**                                  | ✓        | ✓        |
| Full Width Perforated Sun Visor                     | ✓        | ✓        |
| Fully Adjustable Work Lights (×8)                   | ✓        | ✓        |
| Gauge Cluster with LCD Display                      | ✓        | ✓        |
| Horn, Front   | ✓        | ✓        |
| Horn, Joystick                                      | ✓        | ✓        |
| Horn, Rear  | ✓        | ✓        |
| Instrument Panel Vandal Guard                       | ✓        | ✓        |
| Internal Power Socket (2)                           | ✓        | ✓        |
| Kickdown Function on Loader Control                 | ✓        | ✓        |

|  | Standard | Deluxe   |
|--|----------|----------|
| Left Hand Storage Console                  | ✓        | ✓        |
| Infinitely Adjustable Backhoe Control Pods | ✓        | _        |
| (fore and aft adjustment only)             |          |          |
| Infinitely Adjustable Backhoe Control Pods | _        | ✓        |
| (fore and aft plus lateral adjustment)     |          |          |
| Radio, Entry Level                         | Optional | Optional |
| Radio, Premium                             | Optional | Optional |
| Rear Tail Lights (LED)                     | ✓        | ✓        |
| Removable Floor Mat                        | ✓        | ✓        |
| Safety Lock, Hydraulics                    | ✓        | ✓        |
| Safety Lock, Transmission                  | ✓        | ✓        |
| Seat, Deluxe Fabric                        | _        | ✓        |
| Seat, Deluxe Fabric Heated                 | Optional | Optional |
| Seat, Fabric                               | ✓        |          |
| Security Keypad                            | Optional | Optional |
| Self Cancelling Directional Indicators     | ✓        | ✓        |
| Steering Wheel Column, Tilt and Telescopic | _        | ✓        |
| Adjustment                                 |          |          |
| Steering Wheel Column, Tilt                | ✓        | _        |
| Transmission Neutralizer on Loader Control | ✓        | ✓        |
| Throttle, Foot                             | ✓        | ✓        |
| Throttle, Hand                             | ✓        | ✓        |
| Window Wiper Front and Rear                | <b>√</b> | ✓        |

<sup>\*</sup>F/N/R-Forward/Neutral/Reverse

<sup>\*\*</sup>May vary depending on region

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