



INTRODUCING THE NEW E-SERIES BACKHOE LOADER

CATERPILLAR



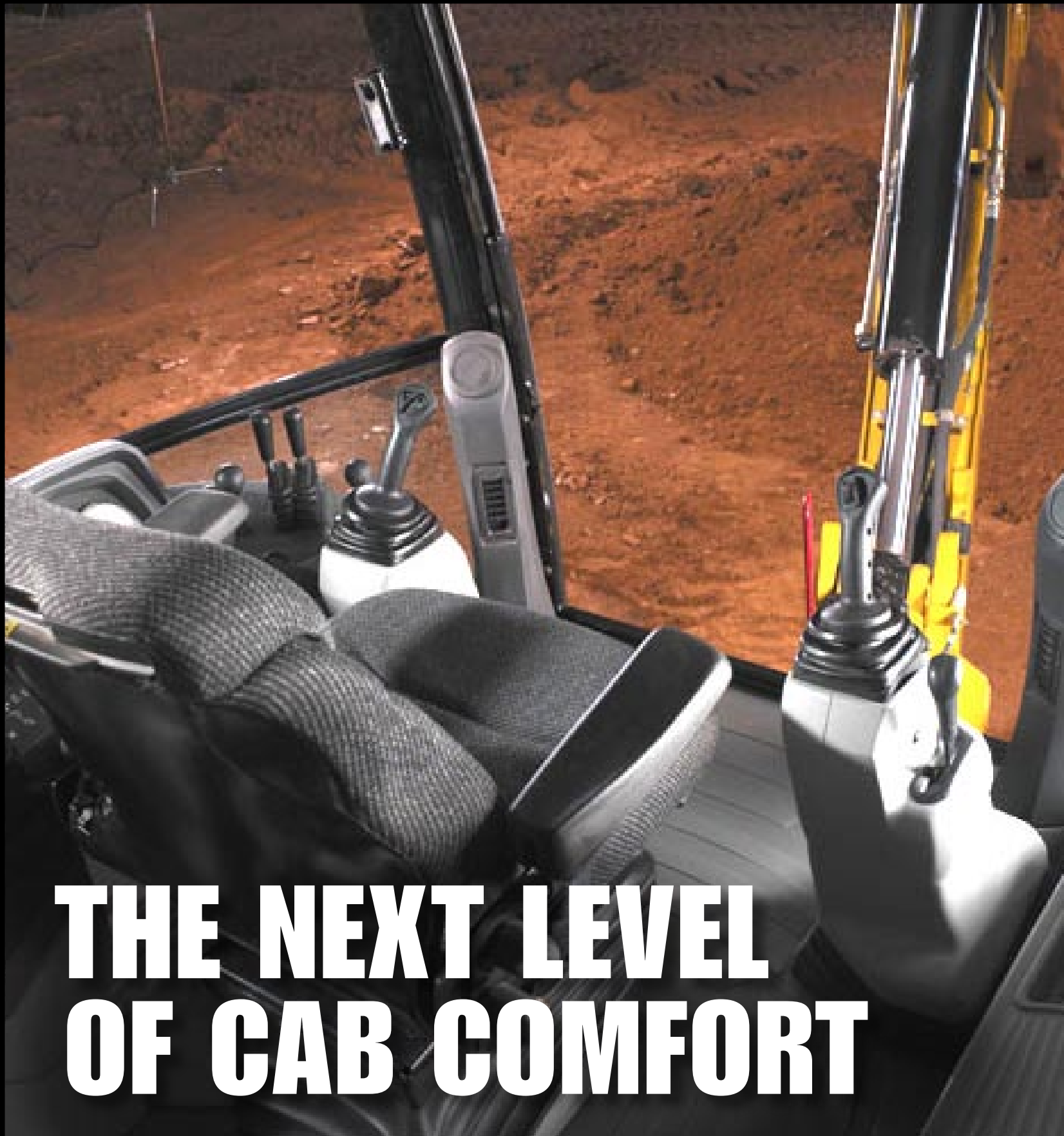
**THE MOST POWER,
FUEL EFFICIENCY,
COMFORT
AND VERSATILITY**





SO YOU CAN WORK AT THE NEXT LEVEL

Introducing a machine so responsive and so in sync with your commands that it seems like an extension of you. That's the performance the totally redesigned Cat® E-Series Backhoe Loader achieves. It is truly an operator's machine. With a cab that's an ergonomic masterpiece. With sensitive hydraulics that deliver faster cycle times and greater digging forces. With versatility that helps you tackle a wide array of jobs. With features that cut costs and add performance. The E-Series is all-around, best-in-class and backed by the legendary support of your Cat Dealer. Climb in, fire it up and **WORK AT THE NEXT LEVEL.**



THE NEXT LEVEL OF CAB COMFORT

**A sense of control like never before, less fatigue and more productivity.
That's what you get from the totally redesigned cab.**

THE SPACIOUS, REDESIGNED CAB has plenty of room to maneuver. The air-suspension seat, standard on all Cat Backhoes, spins around easily to access the backhoe controls without bumping your knees. With the E-stick and auxiliary controls now on pilot joysticks, there are no floor pedals, so you can stretch your legs. There's also two storage compartments for tools, work wear and lunch boxes.

ADDITIONAL NEW FEATURES

of the E-Series cab add to your comfort during long shifts.

- New AC/heating system featuring 15 louvers, pumps out 20 percent more airflow and can be adjusted to serve as defrosters.
- Recessed pattern selector switch is located in the cab for fast changeovers.
- New, automotive-style gauge cluster provides an easy view of information with LED windows that display codes for fast troubleshooting.



NEW JOYSTICK ROLLER SWITCHES on the pilot controls allow easy, convenient and precise control of both the new E-stick and work tools. Roller switches offer smoother control for fine modulation (vs. Case push buttons).

FLOOR-TO-CEILING WINDOWS present an outstanding view of the backhoe and your work area. There are no floor-mounted controls and the boom is narrow so visibility is further enhanced.

AN EXCELLENT VIEW OF THE LOADER BUCKET is made possible by a narrower, sloping front hood - a real plus for truck loading.



THE NEXT LEVEL OF PERFORMANCE

Better fuel efficiency, easier maintenance and greater durability put the E-Series even farther ahead of the competition.

PROVEN CAT HYDRAULIC PISTON PUMP, instead of a gear pump, lets you maintain high digging forces at low idle to save fuel and reduce noise. This also allows better communication with workers. It's featured on all models and is exclusive to Caterpillar machines in the popular 416E and 420E size class.



NEW CAT SOIL EXCAVATION BUCKET improves productivity 10 - 15 percent in nonabrasive applications. It features a longer profile and new, sharper teeth in a down draft angle.

POWERFUL CAT LOAD-SENSING HYDRAULICS with 10 percent greater hydraulic pressure than previous models, plus a redesigned boom, deliver the fastest cycle times.

BEST-IN-CLASS BREAKOUT FORCE with 14 percent greater bucket digging force and 16 percent greater stick digging force than competitive John Deere models (420E vs. 310SG).



SUPERIOR RIMPULL AND HYDRAULIC FORCE deliver industry-leading front loader performance so you can load trucks faster. In fact, Cat front loader performance is 14 percent more productive than John Deere (420E vs. 580M Series II Turbo).

OPTIONAL RIDE CONTROL, a Cat exclusive, provides a smooth, stable ride while reducing spillage from the front bucket. A nitrogen accumulator in the loader arm lift circuit serves as a shock absorber. When speed exceeds 6 mph, Ride Control automatically engages, even if the bucket is empty.

FASTER TRAVEL SPEEDS - exceeding 25 mph (40 km/h) - means roading, as well as load and carry work, can be done more quickly.



THE NEXT LEVEL OF PRODUCTIVITY

You're moving more dirt faster. You're able to load a truck quicker. This is improved productivity. This is the new E-Series.

NEW SLIDING OUTER E-STICK design is easier to maintain with shims that can be changed in about a half hour. Multiple service plates located on the stick, which are easily opened with regular hand tools, give easy access to shims and pads. With faster maintenance and added durability, the Cat E-stick design significantly reduces your owning and operating costs.

BETTER FUEL EFFICIENCY

goes directly to your bottom line. Production studies show the new E-Series offers 15 percent better fuel efficiency than John Deere and 9 percent better than Case (in the 14 - 15 ft class). That's because of load-sensing hydraulics and the exclusive Cat hydraulic piston pump, standard on all models.

NEW CAT XT-3 HYDRAULIC HOSE

features an exclusive Caterpillar cover that is 20 percent more abrasion-resistant than previous models. It also features half the SAE bend radius for improved cold-flex capability. It all adds up to longer life.



NEW FLOW-SHARING VALVES

automatically proportion hydraulic flow between the boom and the stick or between the boom and the swing function. Operators can work more easily and efficiently.

CAT EXCLUSIVE PURPOSE-BUILT TOWER DESIGN for IT models ensures maximum durability and long component life.

SERRATED EDGES ON THE STICK help you get a firm grip of asphalt, concrete and other material.



THE NEXT LEVEL OF VERSATILITY

Caterpillar has so many ways to make one of the hardest working machines do more than ever.

GENUINE CAT WORK TOOLS

expand the list of jobs the E-Series can take on.

- Angle blade
- Asphalt cutter
- Auger
- Bale spear
- Brooms
- Cold planer
- Forks
- Four backhoe bucket options
- Hammer
- Material handling arm
- Ripper
- Seven front bucket options
- Thumb
- Vibratory plate compactor



NEW, EXCLUSIVE FACTORY-INSTALLED THUMB option for the backhoe bucket allows you to move pipe, concrete and more with ease.

OPTIONAL INTEGRATED TOOL CARRIER (IT) models provide parallel lifting for material handling with forks or loading.



NEW BACKHOE AUXILIARY LINES offer one- or two-way flow for hammers, vibratory plate compactors, augers and thumbs. A single lever on the boom makes changeovers fast and easy.

HIGH-ROTATION, SINGLE-PIN BUCKET LINKAGE rotates a best-in-class 205 degrees for all applications, so you can move from trenching to truck loading without stopping to change pins.



STANDARD QUICK COUPLERS on IT models let you change mechanical tools in less than 30 seconds.

OPTIONAL ALL WHEEL DRIVE (AWD) can be engaged while the machine is in motion, unlike John Deere models.

SPECIFICATIONS

| MODEL | NET POWER | STANDARD DIG-DEPTH |
|---------|---------------|--------------------|
| 416E | 74 hp / 55 kW | 14 ft 4 in |
| 420E | 89 hp / 66 kW | 14 ft 4 in |
| 430E | 97 hp / 72 kW | 15 ft 5 in |
| 420E IT | 89 hp / 66 kW | 14 ft 4 in |
| 430E IT | 97 hp / 72 kW | 15 ft 5 in |

Now that you've read about it, come spend five minutes in the cab at your Cat Dealer. That's the best way to experience how the all-new E-Series can help you **WORK AT THE NEXT LEVEL.**

| Get more info at WWW.CAT.COM



CATERPILLAR