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## Wheeled Excavators D-Series

Versatile. Productive. Comfortable.





D-Series Wheeled Excavators

## Great news for your business

Whether you operate in road construction, sewer and water or building construction, the five machines in the Caterpillar® D-Series Wheeled Excavator range are designed to make a significant contribution to the success of your business.

High performance levels, low operating costs, high levels of reliability, tailored support packages and impressive resale values mean Cat® D-Series Wheeled Excavators offer an excellent return on investment.

### Power to get the job done faster

Travel speed has been increased on all D-Series machines. An increase in system pressure of 7% means that bucket and stick forces have risen by 7-9%. Heavy Lift mode which is standard on all models, generates between 6-10% more lift throughout the working range. Stick in/out speed has been increased to help to shorten cycle times in loading applications. This is particularly effective on the M313D and M318D where an improvement of over 40% has been achieved.

### Do the job right and hit your deadlines

Additional controls on the joysticks - proportional sliding switches and an optional auxiliary pedal - make D-Series machines easier and faster to handle, so work is more accurate enabling jobs to be completed on time.

### Do more with the same machine

A wide range of Cat work tools is available; so one machine does the work of many. The unique Cat Quick Coupler, plus 10 pre-programmable flow and pressure settings, greatly reduces tool change and hook-up times. An optional, second, high-pressure circuit makes it easy to operate sophisticated tools such as tilting/rotating quick couplers.

### Recruit and retain good operators

D-Series Wheeled Excavators offer high levels of cab comfort and efficient, easy-to-use controls, which make it easier to recruit and retain good operators. This reduces the costs of recruitment, training and potential downtime if a key member of your team leaves.

### Control your costs

Cat engines with ACERT™ Technology working in conjunction with three work mode options help optimise the driveline and preserve fuel economy. Depending on the application, fuel saving is up to 8% compared to C-Series machines. Maintenance is quick and parts availability is excellent. You can also sign up for a Cat Customer Support Agreement tailored to keep your costs down and your machines up and running.

### Protect your workers

Safety is paramount across the range. This means your workers have better protection and your company projects a responsible, professional image to your workforce, your customers and the industry.

### Meet environmental legislation

All D-Series machines meet the latest environmental regulations. ACERT™ Technology reduces emissions during the combustion process by using advanced technology in the air and fuel systems in conjunction with integrated electronics. The result is enhanced overall engine performance with dramatically reduced exhaust emissions.

### 360° Solutions

Today, you need more than great machines. That's why we're offering financial services, product support, warranties and machines in flexible packages. As a result, you get the specific business solution you need. It's called 360° Solutions. Why? Because we deliver from every angle.



# Get more work done

D-Series Wheeled Excavators are designed to work hard in the most demanding conditions and deliver the power you need to achieve high levels of productivity, day in, day out. Key features include increased lift capacity through Heavy Lift mode, greater stick and bucket forces and faster stick in/out speeds.

## Move around faster

The maximum travel speed on the M313D, M316D and M318D has been increased from 34 to 37 km/h to reduce travel time between sites. Uphill performance has been increased significantly compared with C-Series machines. For most slopes up to 10%, improvements are of the order of 18%, while for a slope of 10.4% uphill speed is improved by nearly 80%.

## Choose the most effective power

Your operator can choose the optimum power/fuel consumption ratio for a particular application. Three modes are available - Economy, Power and Travel.

## Use one machine to do many different jobs

Cat work tools are designed to function as an integral part of your excavator and provide excellent performance in any application. Factory-ready hydraulics in multiple combinations (with up to three circuits) mean you can use a wide variety of hydro-mechanical tools such as tilting and rotating quick couplers. All Cat work tools are performance-matched to Cat machines.

## Save time changing tools

Cat Quick Couplers make it quick and easy to release one work tool and connect to another, making your hydraulic excavator highly versatile. Your operator can select up to ten pre-programmed work tools from the in-cab monitor, making hook up even faster.

## Hit your deadlines

Additional joystick controls - proportional sliding switches and an optional auxiliary pedal - make D-Series Wheeled Excavators easier and faster to handle, so work is more accurate and jobs are more likely to be finished on time.

An Adjustable Hydraulic Sensitivity function allows your operator to adjust the sensitivity of the machine according to the application. For precision work, one of four different levels can be pre-selected.





## Control your costs

In today's competitive environment, cost controls and cost savings are a crucial part of the business equation. D-Series machines and the support offered by Caterpillar are geared to reducing both day-to-day and lifetime costs.

### Increase fuel efficiency

Cat engine management determines the most efficient RPM level/engine load to deliver the power necessary to perform a specific task.

Your operator can choose the best power setting for both engine and hydraulic power versus fuel efficiency.

- Economy Mode - used for lifting, pipe setting, grading, slope finishing and precise work
- Power Mode - used for normal truck loading and digging applications, trenching or hammer use
- Travel Mode - automatically set when the travel pedal is actuated to provide maximum speed drawbar pull

A two stage, one-touch Automatic Engine Speed Control reduces engine speed when no operation is being performed. This increases fuel efficiency and reduces sound levels.

### Save time. Save money

Technicians at Cat dealer service departments are highly trained on all aspects of Cat equipment. They are mobile, well equipped and use a wide range of exclusive Cat tools, software and advanced hardware. Cat dealers offer a large stock of genuine Cat parts and availability is excellent.

### Reduce the cost of unscheduled downtime

Cat Customer Support Agreements enable you to get the highest levels of performance from your machines while cutting the cost, disruption and revenue loss caused by unscheduled downtime.

Cat Customer Support Agreements ensure your service, maintenance and repairs are performed by highly skilled, trained professionals, giving you more time to concentrate on driving your business forward.

### Achieve higher resale values

When it comes to selling your Cat, you can anticipate a higher than average resale value. Add this to excellent financial packages, Cat maintenance and support and increased fuel efficiency and you will clearly see how Cat machines offer an exceptional return on your investment.

## Recruit and retain qualified labour

Whatever the size of your business, you need to be able to recruit and retain good operators and maintenance staff. The cost of recruitment, training and potential downtime if a key member of your team leaves can have a critical impact on your profitability.

## Protect your workers

Health & Safety is an increasing concern for all businesses. Every aspect of the D-Series machines is designed with safety in mind.



### Improved operator environment

D-Series Wheeled Excavators are built for comfort and operational efficiency. A totally redesigned operator station with ergonomic controls offers a low sound level, low vibration working environment. An optional deluxe auto-weight adjusted, air-suspension seat with heated and cooled ventilated cushions helps keep your operator comfortable throughout the shift.

### Smoother ride

A ride control system features accumulators acting as shock absorbers to dampen the front part motion. This allows the machine to travel faster over rough terrain with improved ride quality. The system also reduces shocks and, consequently, reduces stress on the implements and upper frame.

### Keep your operators fresh and alert

The fully automatic climate control system and excellent ventilation help keep your operators fresh, focussed and safe throughout the working day.

### A safer all round view

To increase visibility, all glass is fitted directly to the cab, eliminating the use of window frames. A rear view video camera with heated lens and heated mirrors is available as an option for optimal vision in all weather conditions.

### Get in, out and onto the machine safely

All D-Series Wheeled Excavators have large handrails and anti-skid steps to help your operator climb on and off the machine. They also provide a wide access steps to the upper of the machine.

### Additional protection

- Hydraulic shut down systems
- Implement lock deactivates the joysticks when travelling
- The thickness of glass on the front window has been increased from 6 to 10 mm
- Extra bright LED rear lights
- An upper frame lock stops any movement when the machine is travelling by road

# Comply with environmental legislation

As environmental legislation in important areas such as emissions, noise, and vibration grows ever more stringent, Caterpillar has instigated a comprehensive, coherent strategy to focus on sustainable development as we design our products, run our operations and work with our customers and communities.

This means you can buy D-Series machines confident that important environmental issues have been addressed and that the impact of future legislation will be minimised. The effectiveness of our commitment can be judged by the fact that, since 2001, we have been named in the Dow Jones Sustainability World Index five straight times.

"We owe it to our children, our grandchildren and generations to come to put our creativity, experience and industry leadership position to work for the good of this planet we all share."

Jim Owens, CEO, Caterpillar

## Higher fuel efficiency

D-Series Wheel Excavators are designed for outstanding performance with high fuel efficiency. This means more work done in a day, less fuel consumed and minimal impact on our environment.

## Low exhaust emissions

All D-Series Cat engines with ACERT™ Technology are EU Stage IIIA compliant in terms of emissions.

## Quiet operation

Operator and spectator noise levels are extremely low as a result of the new variable speed on-demand fan and remote cooling system.

## Biodegradable hydraulic oil

The optional biodegradable hydraulic oil (HEES™) has excellent high-pressure and high temperature characteristics, and is fully compatible with all hydraulic components. HEES™ is fully decomposed by soil or water micro-organisms, providing a more environmentally sound alternative to mineral-based oils.

## Fewer leaks and spills

Lubricant fillers and drains are designed to reduce spills. Cat O-Ring Face Seals and Cat XT™ hose and hydraulic cylinders are designed to help prevent fluid leaks - maintaining machine performance and protecting the environment.

## Longer service intervals

Working closely with your Cat dealer can help extend service intervals for engine oil, hydraulic oil, axle oil and coolant. Less fluid is needed, so less fluid has to be sent for disposal - protecting the environment and reducing your running costs.





## 360° Solutions

Your 360° Solutions package consists of four elements, tailored to your needs.

### The right machine for your business

Your Cat dealer will guide you through your machine selection process, helping you choose the right machine for your specific industry and applications.

### The most attractive finance package from Cat Financial

Cat Financial specialises in equipment financing and has a reputation as a trusted partner. Whatever your business, your Cat dealer and Cat Financial offer a range of flexible, highly competitive financial solutions for new Cat machines, making it faster and easier to obtain the Cat equipment you need.

### The most cost-effective Cat Customer Support Agreement

Cat Customer Support Agreements are the most effective way of running your machine at peak performance and eliminating the risk, cost, disruption and loss of revenue caused by unscheduled downtime.

### The most beneficial Cat Warranty

The warranty coverage from your Cat dealer is backed by the worldwide resources of Caterpillar and is specifically designed to provide the highest levels of repair cost protection for Cat machines. This comprehensive coverage will enhance and sustain your entire ownership experience and provide complete peace of mind.

**Cat experts are always available to help you make the decisions that are best for your business.**

### Save money by renting with Cat

The Cat Rental Store outlets give you the option of having a machine only when it's needed and reduces the costs of owning, storing and maintaining a machine that is not in constant use. There are more than 400 Cat Rental Stores in Europe, Africa and the Middle East offering a one-stop-shop service with a broad range of Cat and complementary brand equipment. You can rely on Caterpillar for total rental solutions - the right combination of machines, equipment and rental services - any time, any place.

### Cat Certified Used Equipment: a cost-effective alternative

Cat Certified Used are low hour used machines sold with a minimum 6-month warranty. Each machine is dealer inspected and serviced to a strict 'Cat Certified Used' standard. The inspection covers the entire machine - from engine, hydraulics, tyres/tracks, transmission and electrical systems to the finer points in the operator's station and general appearance. Where necessary, machines are serviced using original Cat parts, fluids and filters. When sold, each machine is 100% work ready. Naturally, your Cat dealer supports each machine after the sale.

## D-Series range at-a-glance



### M313D

Engine	Cat C4.4 with ACERT™ Technology
Net power (ISO 9249) at 2000 rpm	95 kw / 129 hp
Operating weight	14000 - 16200 kg
Bucket capacities	0.18 - 0.92 m³
Maximum reach at ground level	9770 mm
Maximum digging depth	5750 mm
Maximum travel speed	37 km/h



### M315D

Engine	Cat C4.4 with ACERT™ Technology
Net power (ISO 9249) at 2000 rpm	101 kw / 137 hp
Operating weight	16100 - 18300 kg
Bucket capacities	0.38 - 1.26 m³
Maximum reach at ground level	9380 mm
Maximum digging depth	6090 mm
Maximum travel speed	34 km/h



### M316D

Engine	Cat C6.6 with ACERT™ Technology
Net power (ISO 9249) at 2000 rpm	118 kw / 160 hp
Operating weight	17600 - 19800 kg
Bucket capacities	0.38 - 1.26 m³
Maximum reach at ground level	9380 mm
Maximum digging depth	6070 mm
Maximum travel speed	37 km/h



### M318D

Engine	Cat C6.6 with ACERT™ Technology
Net power (ISO 9249) at 2000 rpm	124 kw / 169 hp
Operating weight	18200 - 20100 kg
Bucket capacities	0.38 - 1.26 m³
Maximum reach at ground level	9600 mm
Maximum digging depth	6360 mm
Maximum travel speed	37 km/h



### M322D

Engine	Cat C6.6 with ACERT™ Technology
Net power (ISO 9249) at 2000 rpm	123 kw / 167 hp
Operating weight	20500 - 22500 kg
Bucket capacities	0.44 - 1.57 m³
Maximum reach at ground level	10320 mm
Maximum digging depth	6680 mm
Maximum travel speed	25 km/h