

# MEET THE NEXT GENERATION MINI EXCAVATORS



DESIGNED WITH  
YOU IN MIND

**CAT**<sup>®</sup>  
LET'S DO THE WORK.™



# WHAT CUSTOMERS ASKED FOR

CUSTOMERS ASKED US TO REWRITE THE RULES WHEN IT CAME TO DESIGNING THE CAT® MINI EXCAVATOR RANGE. THEY TOLD US:

- **I need even more performance –**  
I want to choose machines that provide maximum performance, particularly with attachments
- **I want a better experience as an operator –**  
I want a more comfortable, better-connected place to work
- **I want the best owning and operating costs –**  
I want to reduce fuel, service and maintenance costs



# WHAT WE DELIVERED

“FOR SERVICING,  
THE CAB LIFTS UP  
AND EVERYTHING IS  
REALLY EXTREMELY  
EASY TO GET TO.”

INSPIRED BY DAVID – GENERAL  
GROUNDWORKS AND DEMOLITIONS





# THE GENERATION OF EXCELLENCE

**TO DO YOUR BEST WORK, YOU NEED A COMFORTABLE MACHINE**  
**THE NEXT GENERATION OF CAT MINI EXCAVATORS WERE DESIGNED WITH YOU IN MIND.**

These high-performance machines are not only affordable, but they boost improved servicing, comfort and control.



## COMFORT AND CONTROL

Putting the control in your hands, stick steer and cruise control make positioning and travelling in your excavator easy. Operator and attachment settings can be customised using the monitor to suit the task at hand. You can also choose to start the machine with the push of a button with an optional Bluetooth-enabled key.

## AFFORDABLE

Productive and affordable, the next generation Cat® mini excavators offer lower owning and operating costs. Now you can spend less time and money on servicing, repairs and fuel. Common service parts across certain models and longer service intervals mean less downtime and more productive hours on the job site.

## HIGH PERFORMANCE

Multifunctional and versatile, all mini excavator models are best in class with their increased efficiency and performance with greater digging, lifting and swing capacity.

## NO-HASSLE SERVICING WITH TILT-UP CAB (ON SELECT MODELS)

Servicing and repairs are easy thanks to improved access with routine checkpoints at ground level through side doors and a tilt-up cab or canopy on 1.5-3.5 tonne models. Service access is easy on 4-10 tonne models in a larger space below the cab, tilt-up cab is not required on these models. Servicing time on all next generation Cat mini excavators is reduced giving you more time to get the job done.



# STICK STEER

Stick steer control makes long days easier and so much more comfortable.

## POWER IN YOUR HANDS

Moving around the job site is even easier with the Cat stick steer option. Easily switch from traditional travel controls with levers and pedals to joystick controls with the push of a button. You can control the machine just like a skid steer loader using the left-hand joystick. With the right-hand joystick, you can control the dozer blade, or the boom and stick function.



# AIR-CONDITIONED CAB

Work in luxury through the long, hot days when you choose the option of cool, clean air conditioning.

## STAY COOL

You can control the air conditioner and the heating through the LCD monitor to ensure your cab is comfortable. Air conditioning is offered as an option on all next generation Cat mini excavator cab machine models.

## STAY CLEAN AND DUST-FREE

The sealed and pressurised cab design keeps dust out and clean air in for an improved operator environment.





# CRUISE CONTROL

When in stick steer mode, choose cruise control to travel in comfort.

## TRAVEL IN STYLE

Stick steer and cruise control are standard features offered on all next generation Cat mini excavator models. You can set the cruise control by pressing a trigger underneath the joystick – perfect for moving the machine across a large open site. You no longer have to put up with backache at the end of the day from hunching over levers.



# LCD MONITOR

Customise your settings, receive calls and stream music all in one place.

## TOTAL CONTROL

Adjust your settings, such as hydraulic speed, to suit the task in hand. You can also receive calls through the monitor, and adjust the temperature in the cab. Bluetooth means you can take calls, hands-free.

## OPTIONAL ADVANCED TOUCH SCREEN MONITOR

Full eight-inch touch screen display with high-definition graphics and integrated Site Reference System gives you pitch and roll of the machine chassis.



# SMALL MACHINE, BIG SURPRISES

WHEN SAMUEL PORTAUD TRIED A NEW  
MINI EXCAVATOR IN A VINEYARD,  
THE SURPRISES JUST KEPT COMING...

**“IT MUST BE  
ONE OF THE ONLY  
ONE-METRE-WIDE  
COMPACT  
MACHINES  
THAT HAS AIR  
CONDITIONING”**

INSPIRED BY SAMUEL – VITICULTURE





**Samuel Portaud works with vineyards in the south-west of France. He needs a machine that fits between the rows of vines and allows him to work comfortably in the hot summer sun. He tried a 302 CR model – and was surprised by what he found.**

### **1 MACHINE, 6,000 KILOMETRES**

Samuel already had experience of operating a Cat machine. Working long hours outdoors, he put his previous model through its paces. He knew that the hours of manoeuvring between the vines were adding up, but he was surprised at how many kilometres he managed to cover.

“We counted we did 6,000 kilometres in the vineyards with this machine! We drove so much with it.”

### **COOL UNDER PRESSURE**

Since he switched models to a new 302CR, he hasn't looked back. The experience of all that travelling has been massively improved for Samuel by air conditioning and stick steer.

“The big innovation of this machine in terms of comfort is the air conditioning,” he explained. “I believe it must be one of the only one-metre-wide compact machines that has air conditioning, so that's a big advantage.”

“I am really in favour of stick steer mode for machine travel. Why? Because I have never been good with my feet! So for a change, I control this with my hands. I feel it's extraordinary!”

### **NEED PARTS? NO PROBLEM!**

When it came to maintenance, Samuel's nearest Cat dealer has exceeded his expectations. “I was a little afraid in the first place to call a number to get parts, but every time I called they were very reactive. I had the parts the day after, and I never got stopped because of a failure or a missing part.”

### **MINI MANIA**

Finally, to his surprise, Samuel has become a trendsetter. He has found himself starting a mini mania amongst the vineyards in his region.

“I started a trend – now everyone has one!” he says.



# NEXT GENERATION MINI EXCAVATORS 1-2 TONNE

**WORKING IN SMALL SPACES HAS NEVER BEEN SO EASY – OR SO COMFORTABLE.**

## SAVE TIME AND MONEY

The 1-2 tonne models come with:

- Sealed and pressurised cab with air conditioning and heating options available on 301.8 and 302 CR models for year-round comfort
- LCD monitor with Bluetooth radio and hands-free calling
- Stick steer and cruise control for comfortable control and reduced operator fatigue
- Expandable undercarriage allows even more access to work sites short on space
- Tilt-up canopies and cabs allow for easier, quicker and less costly service
- Improved fuel efficiency, longer service intervals and auto-idle and auto engine shutdown provide up to 10% lower total ownership cost
- Up to 20% more performance than previous models – improvements in lift, swing, travel and multifunction and strong dig performance help get the job done faster

## 301.5

- Gross power 16.1 kW / 21.6 hp
- Track width 39 in / 990 mm retracted  
51 in / 1,300 mm expanded
- Max. operating weight<sup>†</sup> 3,836 lb / 1,740 kg (canopy)
- Max. dig depth 100 in / 2,540 mm (long stick)



Standard tail swing







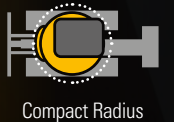
## 301.6

- Gross power 16.1 kW / 21.6 hp
- Track Width 39 in / 990 mm retracted  
51 in / 1,300 mm expanded
- Max. operating weight† 1925 kg / 4,224 lb (cab)
- Max. dig depth 2,540 mm / 100 in (long stick)



## 301.7 CR

- Gross power 16.1 kW / 21.6 hp
- Track width 39 in / 990 mm retracted  
51 in / 1,300 mm expanded
- Max. operating weight† 4,167 lb / 1,890 kg (canopy)
- Max. dig depth 100.0 in / 2,540 mm (long stick)



## 301.8

- Gross power 16.1 kW / 21.6 hp
- Track width 39 in / 990 mm retracted  
51 in / 1,300 mm expanded
- Max. operating weight† 4,409 lb / 2,000 kg (cab)
- Max. dig depth 101.2 in / 2,570 mm (long stick)



## 302 CR

- Gross power 16.1 kW / 21.6 hp
- Track width 43 in / 1,090 mm retracted  
55 in / 1,400 mm expanded
- Max. operating weight† 4,718 lb / 2,140 kg (cab)
- Max. dig depth 101.2 in / 2,570 mm (long stick)



† Operating weights based on most common configuration, excludes bucket.

†† Lifting capacity listed is the Maximum Configuration over front, blade down, at 3 m Lift Point radius with long stick, no bucket. Lifting capacity is also dependent upon other variables such as machine configuration, counterweight, lifting point, application, work tool, track and surface type, etc.



# NEXT GENERATION MINI EXCAVATORS 3 TONNE

**SMALL BUT MIGHTY, THESE MACHINES PROVIDE STRENGTH WHEN YOU NEED IT.**

## SAVE TIME AND MONEY

The 3 tonne models come with:

- Canopy or cab options – sealed and pressurised cab with air conditioning and heating options available on all next generation Cat mini excavator models for year- round comfort
- LCD monitor with Bluetooth radio and hands-free calling
- Stick Steer and cruise control for comfortable control and reduced operator fatigue
- Tilt-up canopies and cabs for easier, quicker and less costly service
- Compact radius design enables access to work in the tightest spaces
- Expandable undercarriage available on the 302.7 CR allows even more access to work sites short on space
- Angle blade option available on 303.5 for finished grading and easier backfilling applications
- Improved fuel efficiency, longer service intervals and auto-idle and auto engine shutdown provide up to 10% lower total ownership cost.
- Up to 20% more performance than previous models - improvements in lift, swing, travel and multifunction and strong dig performance help get the job done faster.

## 302.7 CR

- Gross power 24.7 hp / 18.4 kW
- Track width 53.3 in / 1,355 mm retracted  
70.1 in / 1,780 mm expanded
- Max. operating weight† 6,151 lb / 2,790 kg (cab)
- Max. dig depth 104.3 in / 2,650 mm (long stick)



Compact Radius







## 303 CR

- Gross power 24.7 hp / 18.4 kW
- Track width 61 in / 1,550 mm
- Max. operating weight† 7,012 lb / 3,180 kg (cab)
- Max. dig depth 116.1 in / 2,950 mm (long stick)

Compact Radius



## 303.5 CR

- Gross power 24.7 hp / 18.4 kW
- Track width 2,965 lb / 1,345 kg
- Max. operating weight† 8,004 lb / 3,630 kg (cab)
- Max. dig depth 122.4 in / 3,110 mm (long stick)

Compact Radius



† Operating weights based on most common configuration, excludes bucket.

†† Lifting capacity listed is the Maximum Configuration over front, blade down, at 3 m Lift Point radius with long stick, no bucket. Lifting capacity is also dependent upon other variables such as machine configuration, counterweight, lifting point, application, work tool, track and surface type, etc.



# NEXT GENERATION MINI EXCAVATORS 4-6 TONNE

COMPACT, CONVENIENT AND UP FOR THE JOB.

## SAVE TIME AND MONEY

The 4-6 tonne models come with:

- Canopy or cab options – sealed and pressurised cab with air conditioning and heating options available on all next generation Cat mini excavator models for year-round comfort
- LCD monitor with Bluetooth radio and hands-free calling
- Stick steer and cruise control for comfortable control and reduced operator fatigue
- Angle blade option for finished grading and easier backfilling applications
- Reduced radius tail swing design on the 304 provides exceptional stability with a maximum width of 67 in (1,700 mm)
- Compact radius design on the 305 CR and 306 CR enables access to work in even the tightest spaces
- 306 CR available in some regions with an Extra Tool Carrier (XTC)
- Improved fuel efficiency, longer service intervals and auto-idle and auto engine shutdown provide up to 10% lower total ownership cost
- Up to 20% more performance than previous models – improvements in lift, swing, travel and multifunction and strong dig performance help get the job done faster.

## 304

- Gross power 48.4 hp / 36.1 kW
- Max. lift capacity<sup>††</sup> 4,262 lb / 1,933 kg
- Max. operating weight<sup>†</sup> 9,867 lb / 4,475 kg (cab)
- Max. dig depth 138.2 in / 3,510 mm (long stick)



Standard tail swing







## 305 CR

- Gross power 48.4 hp / 36.1 kW
- Max. lift capacity<sup>††</sup> 7,041 lb / 3,193 kg
- Max. operating weight<sup>†</sup> 12,710 lb / 5,764 kg (cab)
- Max. dig depth 144.5 in / 3,670 mm (long stick)

Compact Radius



## 306 CR

- Gross power 57.9 hp / 43.2 kW
- Max. lift capacity<sup>††</sup> 8,181 lb / 3,710 kg
- Max. operating weight<sup>†</sup> 15,766 lb / 7,150 kg (cab)
- Max. dig depth 162 in / 4,110 mm (long stick)

Compact Radius



<sup>†</sup> Operating weights based on most common configuration, excludes bucket.

<sup>††</sup> Lifting capacity listed is the Maximum Configuration over front, blade down, at 3 m Lift Point radius with long stick, no bucket. Lifting capacity is also dependent upon other variables such as machine configuration, counterweight, lifting point, application, work tool, track and surface type, etc.



# NEXT GENERATION MINI EXCAVATORS 7-10 TONNE

CHOOSE FROM A POWERFUL RANGE OF OPTIONS.

## MORE PERFORMANCE. LESS EFFORT.

The 7-10 tonne models come with:

- Sealed and pressurised cab with air conditioning and heating options available on all next generation Cat mini excavator models for year-round comfort
- LCD monitor with Bluetooth radio and hands-free calling
- Stick steer and cruise control for comfortable control and reduced operator fatigue
- Compact radius design on the 308 CR and 309 CR enables access to work in even the tightest spaces
- Variable Angle Boom (VAB) option available on the 308 CR and 309 CR provides maximum linkage flexibility in tight applications
- The 308 CR is available with fixed boom and swing boom options in some regions.
- The 309 CR offers a standard dedicated auxiliary hydraulic pump ideal for running power-hungry attachments while allowing the machine to simultaneously travel and multifunction without a reduction in power
- Improved fuel efficiency, longer service intervals and auto-idle and auto engine shutdown provide up to 10% lower total ownership cost
- Up to 20% more performance than previous models – improvements in lift, swing, travel and multifunction and strong dig performance help get the job done faster

## 307.5

- Gross power 57.9 hp / 43.2 kW
- Max. lift capacity<sup>††</sup> 7,938 lb / 3,600 kg
- Max. operating weight<sup>†</sup> 17,905 lb / 8,120 kg
- Max. dig depth 182.8 in / 4,642 mm (long stick)



Standard tail swing







## 308 CR / 308 CR VAB



Compact Radius

- Gross power 74.3 hp / 55.4 kW
- Max. lift capacity<sup>††</sup> 8,478 lb / 3,845 kg  
12,624 lb / 5,725 kg (VAB in)
- Max. operating weight<sup>†</sup> 20,077 lb / 9,105 kg  
20,385 lb / 9,245 kg (VAB, standard stick)
- Max. dig depth 182.8 in / 4,642 mm (long stick)  
150.2 in / 3,815 mm (VAB in, standard stick)  
136.2 in / 3,460 mm (VAB out, standard stick)



## 308 CR FIXED BOOM



Compact Radius

- Gross power 74.3 hp / 55.4 kW
- Max. lift capacity<sup>††</sup> 8,478 lb / 3,845 kg
- Max. operating weight<sup>†</sup> 17,965 lb / 8,025 kg
- Max. dig depth 185 in / 4,687 mm (long stick)



## 309 CR / 309 CR VAB

High Flow



Compact Radius

- Gross power 74.3 hp / 55.4 kW
- Max. lift capacity<sup>††</sup> 8,478 lb / 3,845 kg  
8,588 lb / 3,895 kg (long undercarriage)  
12,705 lb / 5,762 kg (VAB in)
- Max. operating weight<sup>†</sup> 20,176 lb / 9,150 kg  
21,091 lb / 9,565 kg (long undercarriage)  
21,477 lb / 9,740 kg (VAB, standard stick)
- Max. dig depth 182.8 in / 4,642 mm (long stick)  
150.2 in / 3,815 mm (VAB in, standard stick)  
136.2 in / 3,460 mm (VAB out, standard stick)



## 310



Standard tail swing

- Gross power 74.3 hp / 55.4 kW
- Max. lift capacity<sup>††</sup> 11,973 lb / 5,430 kg
- Max. operating weight<sup>†</sup> 22,451 lb / 10,182 kg
- Max. dig depth 205.2 in / 5,211 mm

<sup>†</sup> Operating weights based on most common configuration, excludes bucket.

<sup>††</sup> Lifting capacity listed is the Maximum Configuration over front, blade down, at 3 m Lift Point radius with long stick, no bucket. Lifting capacity is also dependent upon other variables such as machine configuration, counterweight, lifting point, application, work tool, track and surface type, etc.




A close-up, low-angle shot of a yellow excavator bucket dumping a large amount of soil. The bucket is the central focus, with its teeth and the soil inside clearly visible. The background shows a modern building with large windows and a clear sky. The lighting is bright, suggesting a sunny day.

**“I’VE BEEN USING  
STICK STEER A LOT...  
IT’S DEFINITELY  
A LOT BETTER TO  
RIDE AROUND IN.”**

**INSPIRED BY JAMES – RENTAL EQUIPMENT  
FOR CONSTRUCTION AND GROUNDWORK**





**“THIS MACHINE  
IS A BEAST...  
IT’S STRONG  
AND FAST.”**

INSPIRED BY SANDRO – EXCAVATION FOR  
WATER, SEWAGE & GAS CONNECTION



# CAT<sup>®</sup> GRADE CAPABLE TECHNOLOGY FOR 3.5-10 TONNE MINI EXCAVATORS

**ACCURATE DIGGING. FASTER.  
EASIER. SAFER. EVERY TIME.**

Digging a foundation. Trenching for a water line. Working on a slope. These jobs demand the precision and speed you get from Cat Grade to hit grading targets in fewer passes.





## THE RIGHT TECHNOLOGY FOR ANY JOB

Cat Grade is available for next generation mini excavators as an aftermarket automatics system that is easy to install, learn and use. Cat Grade with Advanced 2D or 3D gives you the ability to create, manage and grade simple to complex designs. Simply enter depth and slope, press auto and get to work.

Contact your Cat dealer to discuss the best system and options for your fleet, operators and applications.

## 4 WAYS CAT GRADE DELIVERS RESULTS FOR CAT MINI EXCAVATOR APPLICATIONS



### REDUCED COSTS

Saves time, labour and fuel costs.



### IMPROVED ACCURACY

Precise guidance reduces wasted effort.



### BETTER OPERATOR EFFICIENCY

Experienced operators work more accurately than ever. New operators get up to speed more quickly.



### ENHANCED SAFETY

Fewer site personnel are needed on the ground.



To find out more about the new range of next generation mini excavators,  
contact your local Cat dealer or visit [www.cat.com](http://www.cat.com).



© 2022 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.