



425 428

Excavators



The perfect balance of size, weight and performance

The new Bobcat 425 and 428 zero tail swing excavators offer powerful digging performance in a compact package. They are designed to work in tight spaces and, thanks to their limited weight, are easy to transport. True to Bobcat's reputation in compact equipment, there is no compromise on operator comfort. The 425 and 428 excavators offer a standard cab size and feature the latest excavator technology.



Equipped with cab, the Bobcat 425 has an operating weight of just 2,649 kg, making it easy to transport on a trailer or small truck. For its part, equipped with cab, the Bobcat 428 excavator has a weight of 2,933 kg.

Designed for operator comfort and convenience

Spacious cab

Like all Bobcat compact excavators, the Bobcat 425 and 428 are designed to provide full operator comfort. There is no compromise in cab space on Bobcat zero tail swing excavators. The operator has the same space and comfort as that offered by conventional Bobcat excavators. Plenty of headroom, elbow room and room for the feet, so the operator can work in complete comfort all day long.

Climb into the cab to see and feel for yourself.



Zero tail swing

Thanks to zero tail swing, the rear of the excavator rotates within the width of the excavator tracks. This design allows the operator to concentrate fully on the job and never have to worry whether the rear of the excavator can rotate safely without risk of damage to the machine or the surrounding environment. In a word, zero tail swing = peace of mind – all the time, every time.

Superior performance

Powerful digging forces

The 425 and 428 excavators continue the Bobcat standard for excellence in performance and productivity - performance and productivity to handle even the most difficult jobs with ease.

Exceptionally powerful digging forces, unequalled in their respective classes, enable fast, smooth digging performance.

A powerful swing motor enables the excavators to slew quickly and easily, even on inclined slopes.

Moreover, the 425 and 428 feature load sensing hydraulics, providing highly responsive controls. Even when working at lower engine rpm, the hydraulics ensure fine control of machine functions allowing all operations to be carried out simultaneously.

The versatile dozer blade is equipped with a float feature for levelling and backfilling work.



Main performance specifications	425	428
Bucket force	2250 daN	2460 daN
Digging force	1460 daN	1220 daN
Digging depth	2541 mm	2844 mm
Dump height	2862 mm	3037 mm

Which model?

425: easy to transport, convenient to operate

The limited weight of the 425 – 2,649 kg in cab version – allows the excavator to be transported easily from one jobsite to the next. Thanks to zero tail swing, the 425 can rotate in tight places with the undercarriage moved up close to a fence or wall. And - in spite of the limited weight and zero tail swing - the 425 offers exceptional stability and digging performance.

428: more dig depth, more bucket force, extra stability

Compared with the 425, the 428 excavator offers a greater digging depth, more reach, increased bucket force due to higher hydraulic pressure and, thanks to the counterweight mounted at the rear of the house, increased capacity and stability.



Class-leading serviceability

Easy maintenance

The use of maintenance-free and low-maintenance components is complemented with easy service access. Routine maintenance points, such as the battery, fuel spout and hydraulic control valve bank, are reachable from one side, while the large swing up rear hatch provides ready access to engine check points and filters.

Component protection

Hydraulic hoses on the boom are securely fastened to the boom arm and routed to ensure maximum protection.



More than just a machine

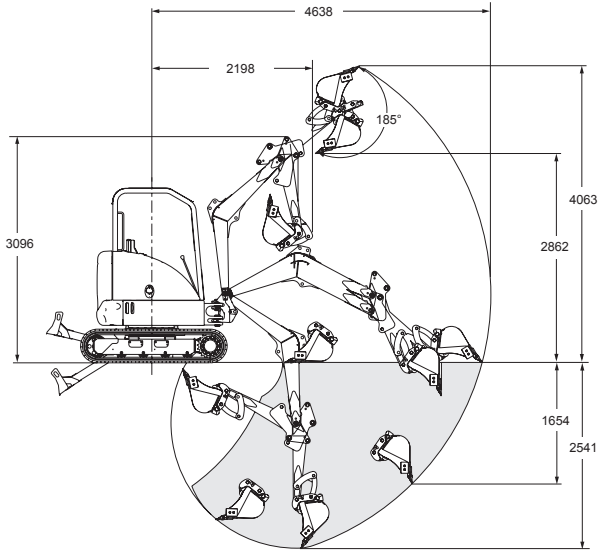
The Bobcat 425 and 428 excavators are backed up with world class service, parts and financing programs to keep them operational with minimum downtime.

The journey starts here

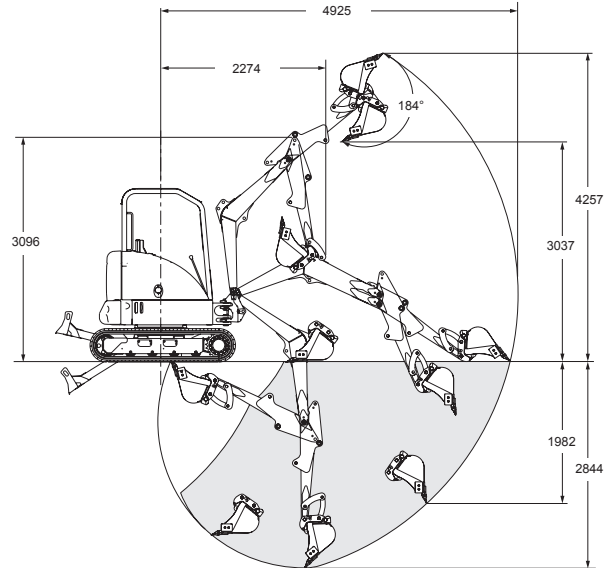
The pleasure of owning and operating a Bobcat 425 or 428 excavator begins with your local authorised Bobcat dealer. Knowledgeable sales personnel are on hand to guide you to the best machine, options and attachments for a specific application. They can also offer advice on financing possibilities, and the optional Protection Plus program for extended protection (24 months/3000 hours or 36 months/4000 hours) is available.

Specifications

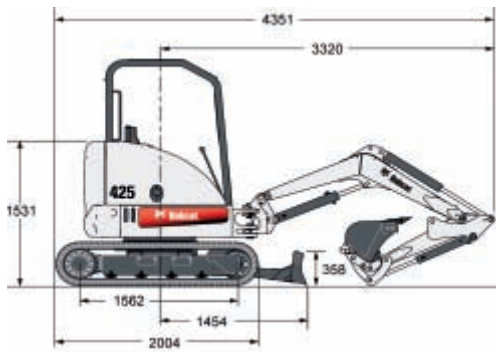
Working Range 425
All dimensions in mm.



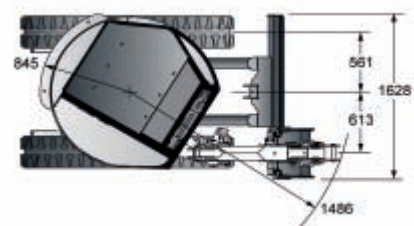
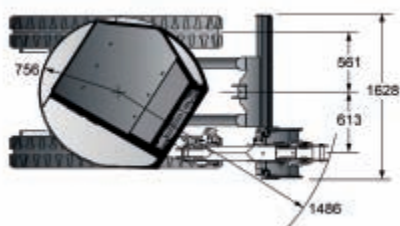
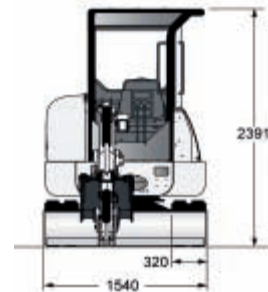
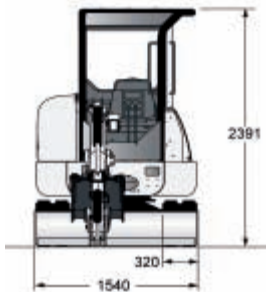
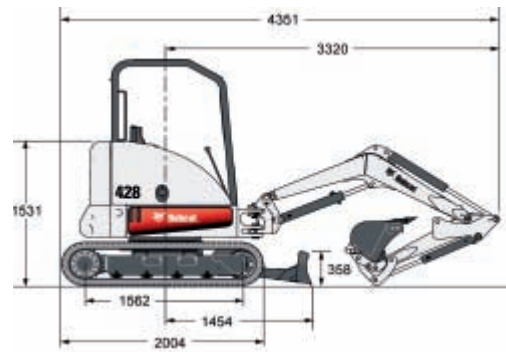
Working Range 428
All dimensions in mm.



Dimensions 425
All dimensions in mm.



Dimensions 428
All dimensions in mm.



Specifications and design are subject to change without notice.

425**428****Weights**

Operating weight with ROPS canopy	2602 kg		2795 kg
Additional weight for cab with heater	47 kg		138 kg
Additional weight for steel tracks		72 kg	

Engine

Make / model	Kubota / V1505-iDi-NA		
Fuel / Cooling	Diesel / Liquid		
Maximum power at 2300 RPM (DIN 70020)	20.6 kW		
Maximum torque at 1600 RPM (SAE J1349 Gross)	95.5 Nm		
Number of cylinders	4		
Displacement	1.5 l		
Bore / Stroke	78.0 mm / 78.4 mm		
Alternator	12 V — 40 A — open frame with internal regulator		
Starter	12 V — gear reduction type — 2.0 kW		

Controls

Steering	Direction and speed controlled by two pilot-operated hand levers or pedals		
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Hydraulic System

Pump type	Dual-outlet, variable displacement piston pump		
Piston pump capacity	58.3 l/min		
Auxiliary flow	50 l/min		
Control valve	Nine-spool, closed centre, individually compensated		

Performance

Digging force, bucket	22500 N		24600 N
Digging force, dipperstick	14600 N		12200 N
Drawbar pull	25872 N		28820 N
Ground pressure with rubber tracks	24.30 kPa		26.84 kPa
Ground pressure with steel tracks	24.95 kPa		27.48 kPa
Travel speed, low range		2.1 km/h	
Travel speed, high range		3.7 km/h	
Maximum digging depth	2541 mm		2844 mm

Slew System

Boom swing, left	90°		
Boom swing, right	50°		
Slew circle	Single row shear-type ball bearings with internal gear		
Slew drive	Orbit motor connected to a planetary drive		
Slew rate	9.9 RPM		

Traction

Track width		320 mm	
Number of track rollers per side	4 bottom		4 bottom
Gradeability		30°	

Brakes

Travel brake	Hydraulic lock in motor circuit		
Slew brake	Hydraulic lock on motor and pin lock		

Fluid Capacities

Cooling system	8.1 l		
Engine lubrication plus oil filter	5.5 l		
Fuel reservoir	67.4 l		
Hydraulic reservoir	9.1 l		
Hydraulic system with bucket and dipper cylinder retracted, bucket on the ground, and blade down	20.7 l		

Attachments

Thanks to a variety of attachments, the Bobcat 425 and 428 excavators can do far more than just dig.

Equipped with a clamp*, the excavators can be used to pick up large rocks and chunks of concrete.

Equipped with a hydraulic breaker*, either excavator model can be used for demolition work.

Or, equipped with an auger attachment, the 425 and 428 excavators can be used to drills holes for fence posts or planting shrubs and small trees.

*When using the clamp or hydraulic breaker, the 425 needs to be equipped with the bolt-on rear counterweight.





Ingersoll Rand is a world leader in the field of compact vehicles and equipment. Our widely known Bobcat® brand includes an extensive line of powerful, nimble compact construction equipment and attachments, and our state-of-the-art engineering capabilities and stylish designs are reflected in our world famous Club Car® vehicles.

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