

430 435

ZHS Compact Excavator

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One Tough Animal

Improve your swing... and your drive

Bobcat 430 and 435 ZHS Compact Excavators

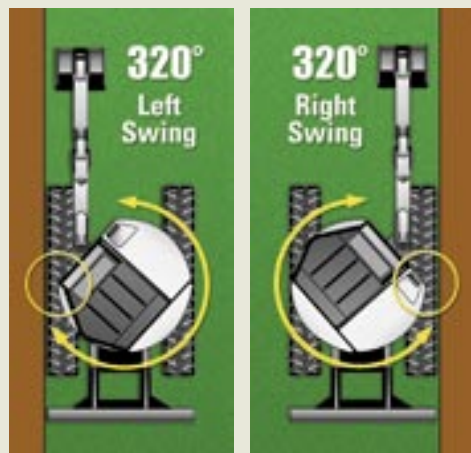
**Contractors... Landscapers...
Utilities... Rental Operators...**

The Bobcat 430 and 435 are the world's first compact excavators with **Zero House Swing (ZHS)** and the **FastTrack drive system** — and they're ready to take on the biggest challenges you can throw at them!



No Trade-Offs

Competing Zero Tail Swing excavators typically compromise operator comfort (cab space decreases); overall height (cab height increases); and serviceability (smaller space for component placement). The innovative design of the 430/435 overcomes these faults.



Zero House Swing

gives you 320 degrees of unrestricted motion.

Zero House Swing

Many competing excavators offer Zero Tail Swing, but the 430 and 435 take the concept to the next level — **Zero House Swing (ZHS)**. Not only does the rear of the machine stay within the excavator's width, so does the front end — the machine's left and right front corners! ZHS decreases the chances of accidentally striking buildings or trees during operation. And no damage to the machine or surrounding objects means lower operating costs!



Tight Spaces — No Problem

Zero House Swing also permits easier spoil placement in tight quarters. If necessary, the operator can slew completely around and dump spoil behind the machine. The ZHS design allows a zero radius swing range of nearly **320 degrees**. This makes the 430 and 435 ideal for jobsites where maneuverability in small spaces is a must.



TWICE as fast
as competing excavators

FastTrack™ Drive System

With the revolutionary FastTrack system, dedicated axial piston pumps power the travel motors to give you jobsite advantages that competing machines can't even come close to. Smooth, precise turns. Maximum torque control. Unmatched travel speed.

In fact, the travel speed of the **430/435 is nearly twice the speed** of the nearest competitor. You can move the 430 and 435 much faster within jobsites and between jobsites. Low-range speeds of nearly 3 mph eliminate the need to shift between speed ranges on most backfilling projects. The 430/435 grade, doze and backfill faster than other machines. And because you have more predictable control of the drive system, loading and unloading trailers is also much easier.



Thumb-Control Auxiliary Hydraulic System

A Bobcat exclusive. Variable flow, continuous flow, direction of flow — all auxiliary hydraulic functions are controlled by two convenient switches on the right joystick.

- Flow rate adjusts from zero to full flow.
- Variable flow for precision control of attachments.
- For continuous flow, operator does not have to constantly press or hold a control mechanism.



Cab Height

The 430 is less than eight feet tall, a critical limit on many jobsites.



Dual-Cylinder Dozer Blade with Float

How's this for standard equipment? The versatile dozer blade is not only invaluable for backfilling, dozing and leveling, it also serves as a stabilizer and improves lift capacity when lifting loads over the front of the excavator.



Rubber or Steel Tracks

Tracks distribute the machine's weight over a large area, reducing ground pressure and minimizing damage to lawns and other surfaces. Tracks also allow the excavator to perform where rubber-tired machines bog down. The result — more working days per year.



Impressive Digging Force

The 430 and 435 deliver plenty of power for bigger jobs — excavation, trenching, demolition, material handling and placement — with exceptional digging force!



Serviceability

Access to machine components for routine maintenance and service is exceptional because of the swing-open rear tailgate and flip-up side access hood.



Operator Comfort

The spacious cab provides plenty of head room, leg room and elbow room for even the biggest operators. A wide door opening allows easy entry and exit.

Optional Arms

The longer dipper stick reaches farther from one spot to do more work without repositioning the machine. The extra reach, combined with a higher dump height, also makes loading trucks faster and easier.

430 Long Arm Option

The **long arm** version of the 430 gives you an additional 12 in. of reach and 7 in. of dump height, resulting in a maximum reach of 17 ft., 8 in., and a maximum dump height of 10 ft., 10 in.



435 Long Arm Option

The **long arm** on the 435 extends reach by 12.5 in. and dump height by 9.5 in., giving you a maximum reach of 19 ft., 5 in., and a maximum dump height of 12 ft., 9 in.



430 Extendable Arm Option

The **extendable arm** increases the 430's maximum reach to 19 ft., 2 in., with a maximum dump height of 11 ft., 3 in.



Specifications



Operator and Service Training Course

The Bobcat Compact Excavator Operator and Service Training Course and a 10-minute safety video are available in English and Spanish. Check out the Training Resources link at www.bobcat.com.



Performance

	430 Standard Arm	430 Extendable Arm Retracted	430 Extendable Arm Extended	430 Long Arm	435 Standard Arm	435 Long Arm
Operating Weight	8024 lb. (3640 kg)	8662 lb. (3930 kg)	8662 lb. (3930 kg)	8258 lb. (3746 kg)	10555 lb. (4788 kg)	10802 lb. (4900 kg)
Travel Speed						
Low	2.6 mph (4.2 km/h)	2.6 mph (4.2 km/h)	2.6 mph (4.2 km/h)	2.6 mph (4.2 km/h)	2.8 mph (4.5 km/h)	2.8 mph (4.5 km/h)
High	5.0 mph (8.0 km/h)	5.0 mph (8.0 km/h)	5.0 mph (8.0 km/h)	5.0 mph (8.0 km/h)	5.4 mph (8.7 km/h)	5.4 mph (8.7 km/h)
Hydraulic Pumps						
Type	Piston w/gear	Piston w/gear	Piston w/gear	Piston w/gear	Piston	Piston
Total Capacity	24 gpm (90.9 L/m)	24 gpm (90.9 L/m)	24 gpm (90.9 L/m)	24 gpm (90.9 L/m)	29.7 gpm (112.5 L/m)	29.7 gpm (112.5 L/m)
Auxiliary Flow	16.4 gpm (62.1 L/m)	16.4 gpm (62.1 L/m)	16.4 gpm (62.1 L/m)	16.4 gpm (62.1 L/m)	19.8 gpm (75.0 L/m)	19.8 gpm (75.0 L/m)
Track Shoes	Rubber (steel optional)	Rubber (steel optional)	Rubber (steel optional)	Rubber (steel optional)	Rubber (steel optional)	Rubber (steel optional)
Width	12.6 in. (320 mm)	12.6 in. (320 mm)	12.6 in. (320 mm)	12.6 in. (320 mm)	15.7 in. (400 mm)	15.7 in. (400 mm)
Ground Pressure	4.21 psi (29.0 kPa)	4.54 psi (31.3 kPa)	4.54 psi (31.3 kPa)	4.33 psi (29.9 kPa)	4.07 psi (28.1 kPa)	4.15 psi (28.6 kPa)
Overall Machine Width	70.1 in. (1780 mm)	70.1 in. (1780 mm)	70.1 in. (1780 mm)	70.1 in. (1780 mm)	76 in. (1930 mm)	76 in. (1930 mm)

Working Range

Arm Length	47.2 in. (1200 mm)	47.1 in. (1195 mm)	79.5 in. (2019 mm)	59.1 in. (1500 mm)	54 in. (1372 mm)	67.8 in. (1722 mm)
Max. Digging Height	180 in. (4571 mm)	176.8 in. (4490 mm)	189.5 in. (4812 mm)	187.2 in. (4755 mm)	210.5 in. (5346 mm)	220.0 in. (5588 mm)
Max. Dump Height	123 in. (3125 mm)	122.5 in. (3112 mm)	135.2 in. (3434 mm)	130.1 in. (3305 mm)	143.7 in. (3649 mm)	153.1 in. (3889 mm)
Max. Digging Depth	120.7 in. (3066 mm)	120.5 in. (3062 mm)	152.7 in. (3878 mm)	132.5 in. (3366 mm)	134.7 in. (3420 mm)	148.5 in. (3772 mm)
Max. Vertical Wall	85.6 in. (2175 mm)	74.7 in. (1897 mm)	106.9 in. (2714 mm)	102.5 in. (2604 mm)	101.1 in. (2568 mm)	113.5 in. (2883 mm)
Max. Reach at						
Ground Level	200.7 in. (5097 mm)	200.6 in. (5096 mm)	230.1 in. (5846 mm)	212.4 in. (5395 mm)	220.9 in. (5611 mm)	234.7 in. (5961 mm)
Arm Breakout Force	3860 lbf. (17170 N)	3860 lbf. (17170 N)	2678 lbf. (11912 N)	3321 lbf. (14773 N)	5262 lbf. (23406 N)	4525 lbf. (20128 N)
Bucket Breakout Force	6889 lbf. (30644 N)	6889 lbf. (30644 N)	6889 lbf. (30644 N)	6889 lbf. (30644 N)	7892 lbf. (35105 N)	7892 lbf. (35105 N)

Engine

Make / Model	Kubota V2203-M-DI-E2B-BC1	Kubota V2003-M-DI-TE2B-BC1
Fuel / Cooling	Diesel / Liquid	Diesel / Liquid (Turbo)
Cylinders / Displacement	Four / 134 cu.in. (2.2 L)	Four / 122 cu. in. (2.0 L)
Horsepower / RPM	42.8 hp (31.9 kW) @ 2400 rpm	49 hp (36.5 kW) @ 2500 rpm

Capacities

Fuel Tank	17.8 gal. (67.4 L)	17.8 gal. (67.4 L)
Hydraulic System	13.5 gal. (51.1 L)	14.3 gal. (54.2 L)
Hydraulic Reservoir	9.7 gal. (36.7 L)	9.7 gal. (36.7 L)
Cooling System	9.5 gal. (36 L)	9.5 gal. (36 L)

Drive/Swing System

Track Tensioning System	Grease cylinder / Coil spring	Grease cylinder / Coil spring
Swing Speed	9.1 rpm	9.6 rpm
Swing Clearance, Rear	34.7 in. (881 mm) (Zero Tail Swing)	37.6 in. (955 mm) (Zero Tail Swing)
Boom Swing		
Left	90°	90°
Right	50°	50°

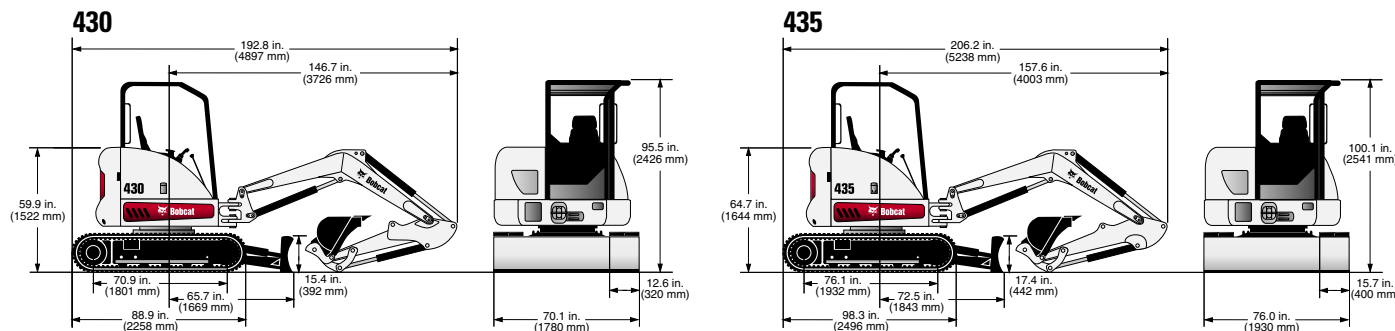
Standard Equipment

Auxiliary Hydraulics	Engine Shutdown	High-Back Suspension	Retractable Seatbelt	Work Lights
Console Control Locks	FastTrack™ Drive System	Seat	Rubber Tracks	(frame-mounted and boom-mounted)
Control Pattern ISO/STD Selector Valve	Four-Post TOPS/ROPS Canopy	Horn	Spark Arrestor Muffler	X-Change® Attachment Mounting System
Cup Holder		Hydraulic Joystick Control	Swing Boom	Zero House Swing
Dozer Blade with Float		Power Port	Two-Speed Travel	

Options/Accessories

AM / FM Radio Kit	Keyless Ignition
Cab w/Heat	Steel Tracks
Cab w/HVAC	Travel Motion Alarm Kit

NOTE — Where applicable, dimensions are in accordance with Society of Automotive Engineers (SAE) and ISO standards. Specifications and design are subject to change without notice. Pictures of Bobcat excavators may show other than standard equipment. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. Bobcat Company complies with the requirements of ISO 9001 as registered with BSI.



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An **IR** Ingersoll Rand business

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Bobcat Attachments for these models:

- Auger
- Breaker
- Clamp
- Cutter Crusher
- Grading Blade
- Grading Bucket
- Grapple
- Hydra-Tilt™
- Packer Wheel
- Plate Compactor
- PowerTilt®
- Rotating Grapple
- Ripper
- Trenching Buckets
- Trencher