

300

D-SERIES EXCAVATORS



One Tough Animal

DO IT ALL WITH THESE EXCLUSIVE EXCAVATOR FEATURES



1 Rubber tracks

- Minimize damage to hard surfaces.
- Improve traction on hard, slick surfaces.



2 360-degree cab rotation

- Permits unlimited truck loading and spoil dumping.
- Allows digging in any position around the machine with no reduced visibility.

3 Independent boom swing

- Permits offset digging around obstacles and beside structures.
- Reduces repositioning time since tracks remain parallel to the trench.



4 Low machine weight

- Permits excavator to be transported with a pickup truck and small trailer.
- Low machine weight coupled with track feature allows work on jobsites with weight restrictions, such as interior demolition.

5 Excavator concept in a compact size

- Machine designed specifically for trenching and excavating.
- Operator seat is offset, giving better view of bucket.
- Low overall height allows for inside operation.

6 Backfill blade

- Allows excavator to backfill a trench or level and grade a jobsite.
- Serves as a vertical-type stabilizer, permitting operation in confined areas where swing-out stabilizers can't be used.
- Levels the machine in uneven terrain.



7 Track undercarriage

- Eliminates downtime caused by flat tires.
- Increases flotation, resulting in more working days per year.
- Handles jobs in muddy conditions, such as drainage work or water-line repairs, where rubber-tired machines bog down.

8 Hydraulic joystick controls

- Minimize arm movement for low-fatigue, all-day operation.

9 Straight travel (not available on 322)

- Allows the operator to use any excavating function while traveling, and maintain a straight course. This is helpful when loading the excavator on a trailer, when lifting objects that require the machine to move, or when the machine is stuck and requires the use of the boom, dipper and/or bucket to free itself.



BOOM OFFSET RIGHT

BOOM OFFSET LEFT

BOBCAT EXCLUSIVE FEATURE THE X-CHANGE™ ATTACHMENT MOUNTING SYSTEM



Get Hitched Quick!
The Exclusive Bobcat **X-CHANGE™** system makes changing attachments fast and easy!

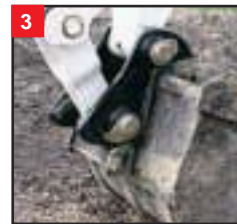
Bucket Hook-Up:



1 Align X-Change assembly with X-Change mounting bracket on bucket.



2 With the X-Change fully rolled back, pick up the bucket using the bars on the side of the X-Change to engage the hooks on the bucket.



3 Curl the X-Change forward until it has full contact with the back of the bucket. Lower the bucket to the ground using the boom down function. The bucket is now attached.

Bucket Removal:



1 With the bottom of the bucket on the ground, unlatch the bucket using the X-Change release tool.



2 Raise bucket. Fully roll the X-Change back and lower the bucket to the ground.



3 Using the boom and dipper functions, disengage the X-Change from the hooks on the bucket.

Standard equipment on the 325, 328, 331, 331E, 334, 337 and 341, the X-Change™ is a quick-hitch system that makes attachment changes fast and easy.

Multi-Functions

This feature lets the operator use up to four functions at the same time, such as those commonly used when digging a hole or loading a truck:

- House Swing
- Boom Up
- Dipper Out
- Bucket Dump



Swing-Open Tailgate

The swing-open tailgate permits unmatched engine serviceability. It's made of die-formed quarter-inch steel, which eliminates the need for the cast counterweights found on competitive excavators. The upper structure of the excavator is also made of quarter-inch steel for superior strength in all applications.



Right-Side Access Cover*



The fuel fill, control valve and associated plumbing are quickly accessed by a tip-forward cover that locks open in two positions. The first position is for fuel filling and routine daily maintenance. By removing a stop, the cover can be opened further for even greater access to hydraulic components.

Two-Speed Function On Blade Lever



The two-speed activation function is located on the backfill blade handle. Pressing the two-speed button puts the machine in high range; pressing it again shifts the travel circuit back to low range. This eliminates the need for the operator to "hold" the two-speed in high range. A light on the console indicates when the travel circuit is in high.

Training Resources

Operator and service training kits are available from your Bobcat excavator dealer. These comprehensive programs use video, manuals and hands-on operation. A Spanish-language version is also available.

Auxiliary Function Control*

Located on the right-hand joystick, this system gives you fingertip control of auxiliary hydraulic functions. No other excavator brand offers a variable flow auxiliary system on the joystick. The system also features the capability of detented flow in both directions.



Instrumentation, Electronics and Shutdown*

New instrumentation includes sweep gauges for engine temperature and fuel level, amber-lighted icons indicating various machine functions, and several red warning icons. There is also a digital readout for engine hours, job hours, and engine rpm. A switch on the instrument panel allows the operator to toggle between these modes.



If engine coolant temperature, engine oil pressure or hydraulic oil temperature reach the critical level, the monitoring system will shut the excavator down to lessen the chance of damage to the machine.

Control Pattern Selection



This feature allows the operator to quickly switch between ISO and Standard control patterns. The selection lever is located in the operator's area for convenient access.

Control Console Lockout

Raising the left console locks out the joystick and traction functions. A light on the console indicates when the lockout system is off (controls active).



Work Lights

The standard lighting package includes both boom-mounted and frame-mounted adjustable lights. The frame-mounted unit is located on the left front corner of the machine. If additional lighting is required, cab-mounted lights are available as accessories.



Two-Piece Pedals



Travel and boom offset functions are controlled by two-piece folding pedals. When these functions aren't needed, the rear portion of the pedals can be folded forward and the offset pedal can be locked stationary. This allows the operator to use it as a footrest, as well as opening up more floor area for foot placement.

The angle of the pedals has also been optimized for more comfortable operation.

Centralized Greasing

For ease of servicing, grease zerks for the swing pinion, swing bearing and offset cylinder are in a centralized location on the right front corner of the excavator.



Cab Option



An optional cab is equipped with heating, ventilation and air conditioning systems. The super-efficient cab heater lets you work in comfort even during the coldest winter months. In hot weather, Bobcat air conditioning is capable of a significant temperature differential to keep you on the job all day without breaking a sweat.

*Not available for 322

**331, 334 AND 331E HANDLE
EVERYTHING FROM SEWER LINES
TO SWIMMING POOLS.**

Big muscle for small spaces!



331

D-SERIES COMPACT EXCAVATOR

The state-of-art Bobcat 331 makes quick work of bigger digging jobs. Along with multi-function capabilities, the 331 sports such features as contoured joysticks for precise control, good leg room and plenty of power.

- 10' 2"** Maximum Digging Depth
- 10' 2"** Maximum Dumping Height
- 16' 0"** Maximum Reach at Ground Level
- 40 hp** Liquid-Cooled Diesel Engine



334

D-SERIES COMPACT EXCAVATOR

This is the long-armed version of the 331 excavator — ideal for jobs such as loading trucks, cleaning ditches and other shallow excavating work. The 334's longer dipper means less repositioning and faster job completion.

- 11' 1"** Maximum Digging Depth
- 10' 9"** Maximum Dumping Height
- 16' 11"** Maximum Reach at Ground Level
- 40 hp** Liquid-Cooled Diesel Engine



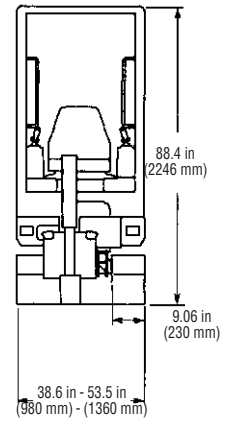
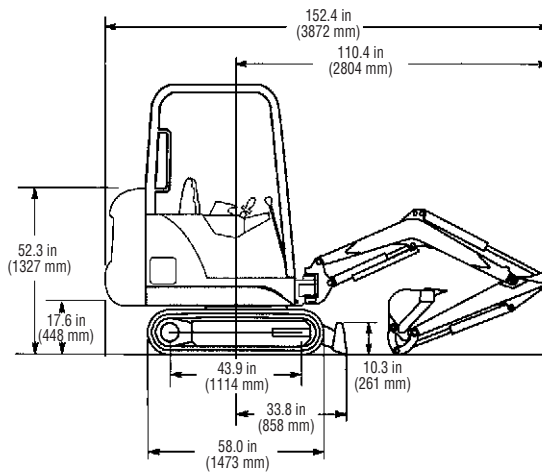
331E

D-SERIES COMPACT EXCAVATOR

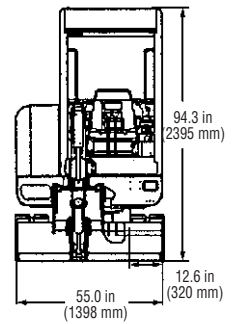
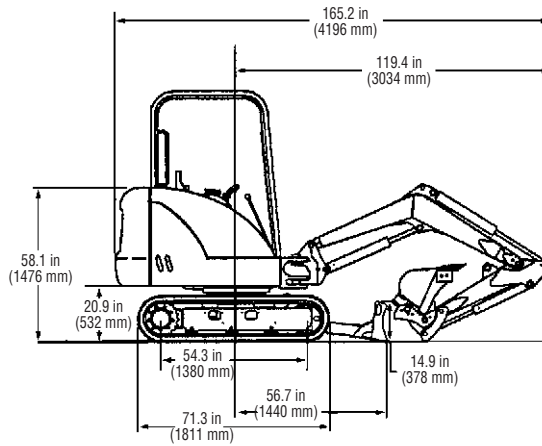
The 331E, based on the 331, is equipped with a **hydraulically-extendable** dipperstick for increased reach and dump height. When retracted, the 331E maintains the overall arm length and arm breakout force of the 331. A rear counterweight is standard equipment on the 331E.

- 12' 10"** Maximum Digging Depth
- 11' 2"** Maximum Dumping Height
- 18' 5"** Maximum Reach at Ground Level
- 40 hp** Liquid-Cooled Diesel Engine

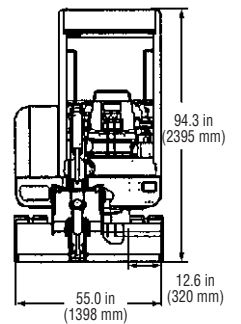
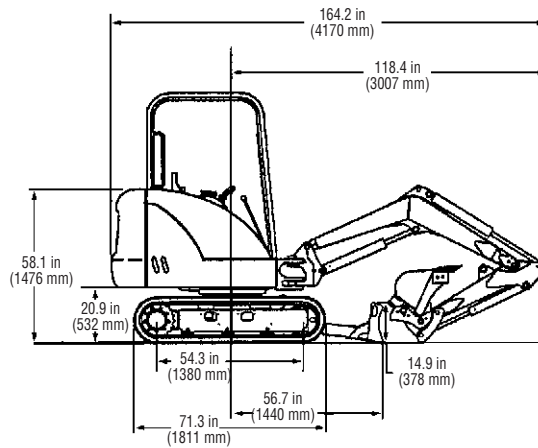
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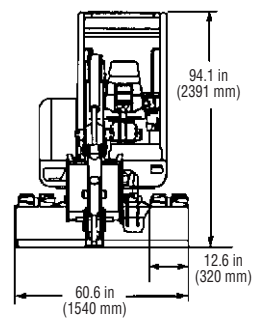
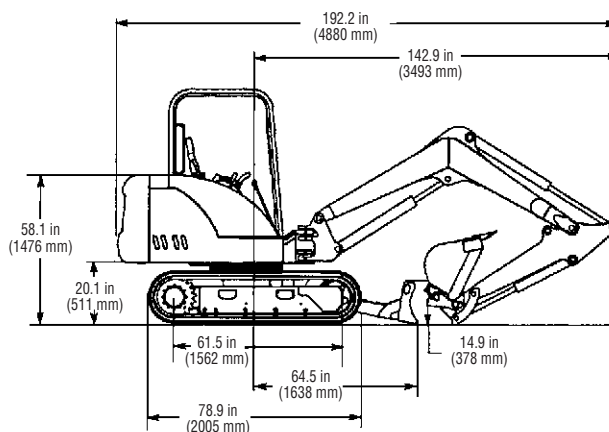
325



328

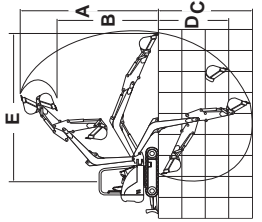


331



SPECIFICATIONS

Engine	322	325	328	331	331E	334	337	341
Make	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota
Model	V2203-EB	D1703-EB	D1703-EB	V-2203-EB	V-2203-EB	V-2203-EB	V-2203-EB	V2003-T-EB
Fuel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Cooling	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Displacement	43.9 cu. in. (0.72 L)	100.5 cu. in. (1.6 L)	100.5 cu. in. (1.6 L)	134.0 cu. in. (2.2 L)	134.0 cu. in. (2.2 L)	134.0 cu. in. (2.2 L)	122.0 cu. in. (2.0 L)	122.0 cu. in. (2.0 L)
Horsepower	15.7 hp (11.7 Kw) @ 3000 rpm	27.5 hp (20.5 Kw) @ 2200 rpm	27.5 hp (20.5 Kw) @ 2200 rpm	40.0 hp (29.9 Kw) @ 2400 rpm	40.0 hp (29.9 Kw) @ 2400 rpm	40.0 hp (29.9 Kw) @ 2400 rpm	53.0 hp (39.5 Kw) @ 2500 rpm	53.0 hp (39.5 Kw) @ 2500 rpm
Performance								
Operating Weight	3526 lb. (1599 kg)	6145 lb. (2788 kg)	6145 lb. (2788 kg)	7215 lb. (3273 kg)	7758 lb. (3519 kg)	7568 lb. (3433 kg)	11,040 lb. (5008 kg)	11,460 lb. (5198 kg)
Maximum Travel Speed	1.0 mph (1.50 km/hr.)	1.2 mph (1.9 km/hr.)	1.2 mph (1.9 km/hr.)	1.3 mph (2.1 km/hr.)	1.3 mph (2.1 km/hr.)	1.3 mph (2.1 km/hr.)	1.9 mph (3.1 km/hr.)	1.9 mph (3.1 km/hr.)
- Low	1.8 mph (2.90 km/hr.)	1.9 mph (3.1 km/hr.)	1.9 mph (3.1 km/hr.)	3.5 mph (5.6 km/hr.)	3.5 mph (5.6 km/hr.)	3.5 mph (5.6 km/hr.)	3.2 mph (5.2 km/hr.)	3.2 mph (5.2 km/hr.)
- High	3	3	3	3	3	3	1	1
Hydraulic Pumps								
- Type	Gear	Piston/Gear	Piston/Gear	Piston/Gear	Piston/Gear	Piston/Gear	Piston	Piston
- Total Capacity	15.8 gpm (60.0 L/min.)	17.5 gpm (66.2 L/min.)	17.5 gpm (66.2 L/min.)	24 gpm (90.9 L/min.)	24 gpm (90.9 L/min.)	24 gpm (90.9 L/min.)	46.9 gpm (177.5 L/min.)	46.9 gpm (177.5 L/min.)
- Auxiliary Hydraulic Flow	7.9 gpm (30.0 L/min.)	12.3 gpm (46.0 L/min.)	12.3 gpm (46.0 L/min.)	16.4 gpm (62.1 L/min.)	16.4 gpm (62.1 L/min.)	16.4 gpm (62.1 L/min.)	20.0 gpm (75.7 L/min.)	20.0 gpm (75.7 L/min.)
Fuel Tank Capacity	7.3 gal. (27.5 L)	14 gal. (53.3 L)	14 gal. (53.3 L)	15.3 gal. (57.9 L)	15.3 gal. (57.9 L)	15.3 gal. (57.9 L)	22.0 gal. (83.3 L)	22.0 gal. (83.3 L)
Hydraulic Tank Capacity	1.7 gal. (6.5 L)	4.8 gal. (18.2 L)	4.8 gal. (18.2 L)	7.8 gal. (29.5 L)	7.8 gal. (29.5 L)	7.8 gal. (29.5 L)	6.0 gal. (22.7 L)	6.0 gal. (22.7 L)
Standard Track Shoes	Rubber	Rubber	Rubber	Rubber	Rubber	Rubber	Rubber	Rubber
- Width	9.06" (230 mm)	12.6" (320 mm)	12.6" (320 mm)	12.6" (320 mm)	12.6" (320 mm)	12.6" (320 mm)	15.7" (400 mm)	15.7" (400 mm)
- Ground Pressure	4.38 PSI (30.2 kPa)	4.2 PSI (29.0 kPa)	4.2 PSI (29.0 kPa)	4.26 PSI (29.4 kPa)	4.59 PSI (31.6 kPa)	4.47 PSI (30.8 kPa)	4.62 PSI (31.8 kPa)	4.79 PSI (33.0 kPa)
Drive	Each track is independently driven by a hydrostatic axial piston motor connected to a planetary gear reduction box. (Two-stage planetary gear reduction box on models 337 and 341.)							
Swing System								
Swing Speed	10.9 rpm	9.2 rpm	9.2 rpm	9.2 rpm	9.2 rpm	9.2 rpm	11.3 rpm	11.3 rpm
Minimum Swing Radius	42.1" (1068 mm)	47.3" (1200 mm)	47.3" (1200 mm)	55.1" (1400 mm)	55.1" (1400 mm)	55.1" (1400 mm)	63.1" (1603 mm)	63.1" (1603 mm)
Boom Swing								
- Left	50°	90°	90°	90°	90°	90°	75°	75°
- Right	90°	50°	50°	50°	50°	50°	51°	51°
Rated Lift Capacity								
Over-End, Blade Down, Maximum Radius, Ground Level	483 lb. (219 kg)	913 lb. (414 kg)	736 lb. (346 kg)	1328 lb. (602 kg)	1148 lb. (521 kg)	1208 lb. (548 kg)	2838 lb. (1287 kg)	2417 lb. (1096 kg)
Accessories								
ISO/STD Selector Kit	STD	STD	STD	STD	STD	STD	STD	STD
Motion Alarm Kit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Engine Shutdown	No	STD	STD	STD	STD	STD	STD	STD
Steel Tracks	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Enclosed Cab with Heater	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Air Conditioning	No	No	No	Yes	Yes	Yes	Yes	Yes
Attachments								
Auger	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Trenching Buckets	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Breaker	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Tilt™	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Clamp	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cutter/Crusher	No	Yes	Yes	No	Yes	Yes	Yes	Yes
Grapple	No	Yes	Yes	No	No	Yes	Yes	Yes
Grading Bucket	No	No	No	Yes	Yes	Yes	Yes	Yes
Plate Compactor	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ripper	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Working Range								
Arm Length	40.3' (1023 mm)	41.3' (1050 mm)	41.3' (1050 mm)	53.1' (1350 mm)	47.2' (1200 mm)	47.2' (1200 mm)	59.1' (1500 mm)	59.1' (1500 mm)
A. Max. Digging Height	137.2' (3485 mm)	160.0' (4055 mm)	160.0' (4055 mm)	167.4' (4251 mm)	178.7' (4539 mm)	178.7' (4539 mm)	185.3' (4708 mm)	185.3' (4708 mm)
B. Max. Dumping Height	97.9' (2485 mm)	109.4' (2779 mm)	109.4' (2779 mm)	116.9' (2986 mm)	121.6' (3089 mm)	121.6' (3089 mm)	149.7' (3801 mm)	149.7' (3801 mm)
C. Max. Digging Depth	86.5' (2197 mm)	100.6' (2555 mm)	100.6' (2555 mm)	112.6' (2859 mm)	122.1' (3101 mm)	122.1' (3101 mm)	144.4' (3669 mm)	144.4' (3669 mm)
D. Max. Vertical Wall Digging Depth	62.0' (1574 mm)	70.9' (1801 mm)	70.9' (1801 mm)	82.5' (2096 mm)	86.7' (2202 mm)	86.7' (2202 mm)	100.0' (2533 mm)	100.0' (2533 mm)
E. Max. Digging Reach At Ground Level	150.3' (3817 mm)	166.7' (4233 mm)	166.7' (4233 mm)	178.3' (4529 mm)	191.9' (4974 mm)	191.9' (4974 mm)	203.4' (5167 mm)	203.4' (5167 mm)
Bucket Breakout Force	3408 lbf (15160 N)	4766 lbf (21200 N)	4766 lbf (21200 N)	4766 lbf (21200 N)	7000 lbf (31136 N)	7000 lbf (31136 N)	9267 lbf (41223 N)	9267 lbf (41223 N)



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.