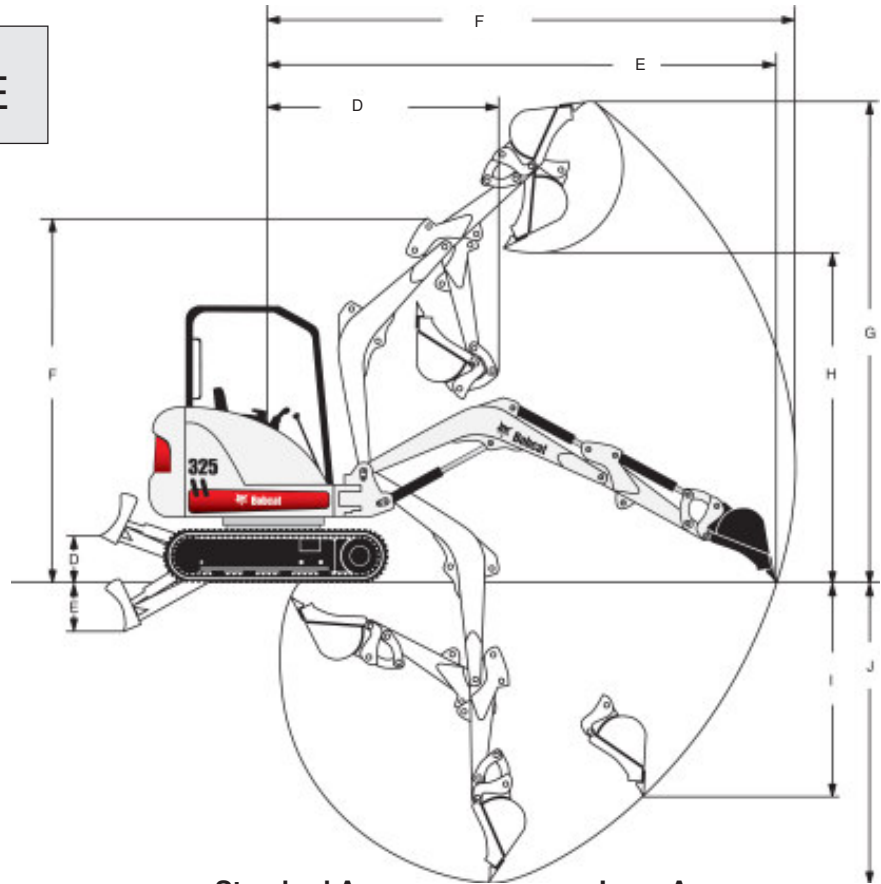


325 COMPACT EXCAVATOR SPECIFICATIONS

WORKING RANGE

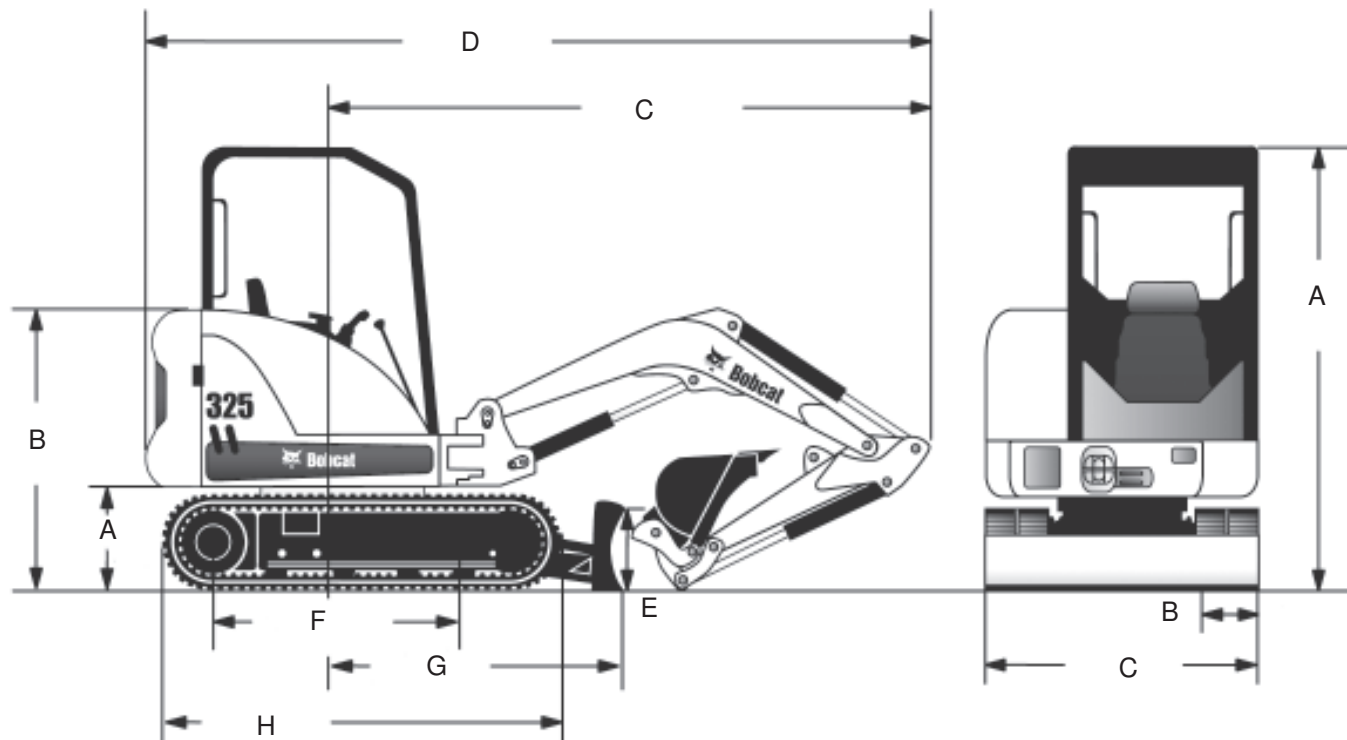


	Standard Arm	Long Arm
A. Maximum Blade Depth	16.9" (429 mm)	16.9" (429 mm)
B. Maximum Blade Height	15.5" (393 mm)	15.5" (393 mm)
C. Maximum Height of Working Equipment with Arm Retracted	121.5" (3087 mm)	121.5" (3087 mm)
D. Maximum Working Equipment Radius with Boom @ Maximum Height	75.5" (1919 mm)	78.5" (1993 mm)
E. Maximum Reach at Ground level	166.7" (4233 mm)	178.3" (4529 mm)
F. Maximum Radius of Working Equipment	171.4" (4353 mm)	182.7" (4639 mm)
G. Maximum Bucket Tooth Height	159.6" (4055 mm)	167.4" (4251 mm)
H. Maximum Dump Height	109.4" (2779 mm)	116.9" (2968 mm)
I. Maximum Depth of Vertical Wall which can be Excavated	70.9" (1801 mm)	82.5" (2096 mm)
J. Maximum Dig Depth	100.6" (2555 mm)	112.6" (2859 mm)
Bucket Pivot Angle	175°	176°

MACHINE PERFORMANCE

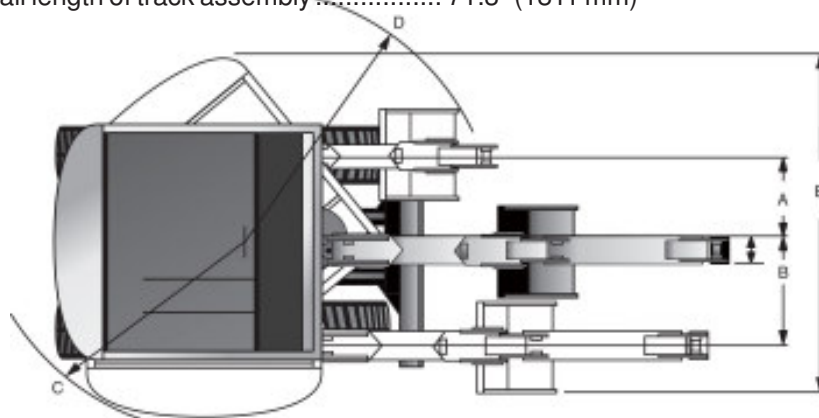
	Standard Arm	Long Arm
Operating Weight (includes standard equipment and 20" bucket)		
with ROPS Canopy	6506 lbs. (2951 kg.)	6896 lbs. (3128 kg.)
with ROPS Cab	6769 lbs. (3070 kg.)	7159 lbs. (3058 kg.)
Travel Speed		
Low Range	1.2 mph (1,9 km/hr)	1.2 mph (1,9 km/hr)
High Range	1.9 mph (3,1 km/hr)	1.9 mph (3,1 km/hr)
Digging Force		
High Range	1.9 mph (3,1 km/hr)	1.9 mph (3,1 km/hr)
Arm	3140 lbf. (13967 N)	2649 lbf. (11783 N)
Bucket	4766 lbf. (21200 N)	4766 lbf. (21200 N)

DIMENSIONS



- A. Clearance, upperstructure to groundline 20.9" (532 mm)
- B. Groundline to top of engine cover 58.1" (1476 mm)
- C. Minimum radius in travel position 119.4" (3034 mm)
- C. Minimum radius in travel position (long) 118.4" (3007 mm)
- D. Overall length in travel position 165.2" (4196 mm)
- D. Overall length in travel position (long arm) . 164.2" (4170 mm)
- E. Blade height 14.9" (378 mm)
- F. Length of track on ground 54.3" (1380 mm)
- G. Machine centerline to blade 56.7" (1440 mm)
- H. Overall length of track assembly 71.3" (1811 mm)

- A. Height 92.8" (2357 mm)
- B. Track width 12.6" (320 mm)
- C. Blade width 55.0" (1398 mm)
- Track Lug Height 0.98" (25 mm)



- A. Machine centerline to working equipment centerline, left hand rotation 15.7" (398 mm)
- B. Machine centerline to working equipment centerline, right hand rotation 24.1" (611 mm)
- C. Minimum turning radius 54.7" (1388 mm)
- D. Swing clearance, rear of upperstructure 47.3" (1200 mm)
- E. Working width maximum right hand rotation 73.5" (1867 mm)
- F. Tailswing overhang 19.8" (503 mm)

STANDARD FEATURES

4' 7" Dozer Blade
 12.6" Half Pitch Rubber Track
 Auxiliary Hydraulics with Quick Couplers
 Control Console Locks
 Control Pattern Selector Valve (ISO/STD)
 Engine Shutdown System
 Fingertip Auxiliary Hydraulic Control
 Horn
 Hydraulic Joystick Controls
 Retractable Seat Belt
 Spark Arrestor Muffler
 Suspension Seat
 *TOPS/ROPS Canopy
 Two-Speed Travel
 Vandalism Protection
 Working Lights
 X-Change™ (Attachment Mounting System)
 Warranty: 12 Months, Unlimited Hours
 *Roll Over Protective Structure (ROPS) - Meets Requirements of SAE-J1040C
 *Tip Over Protective Structure (TOPS) - Meets Requirements of ISO/DIS 12117

OPTIONS/ ACCESSORIES

AM/FM Stereo Radio
 Cab/Canopy Light Kit
 Cab Enclosure, Vinyl
 Catalytic Exhaust Purifier
 Counterweight
 FOPS Kit
 Keyless Start
 Lifting Chain Kit
 Special Applications Kit
 TOPS/ROPS Cab with Heater
 Tracks: 11.8" Steel
 Travel Motion Alarm

INSTRUMENTATION

Right of Operator Seat

Auxiliary Mode Indicator
 Console Indicator
 Hourmeter/Job Clock/Tachometer
 Engine/Hydraulic System Indicators
 Engine Temperature Gauge
 Fuel Gauge
 Low Fuel Indicator
 Pre-Heat Indicator
 Two-Speed Indicator

UNDERCARRIAGE

Undercarriage Crawler Tractor Design
 Track Rollers Sealed with Reinforced Box-Section Track Roller Frame
 Track Adjusters Grease Type with Shock Absorbing Recoil Springs
 Track Type (Standard) Half-Pitch Rubber
 Track Width 12.6" (320 mm)
 Track Type (Optional) Steel Shoe
 Track Width 11.8" (300 mm)
 Number of Track Rollers 3 each side
 Ground Pressure-rubber 4.12 PSI (28,4 kPa)
 Ground Pressure-steel 4.22 PSI (29,1 kPa)

ENGINE/ELECTRICAL

Make/Model Kubota/D1703
 Fuel/Cooling Diesel/Liquid
 Horsepower (SAE Gross) 27.4 HP (20,4 kW)
 Horsepower (SAE Net) 26.3 HP (19,6 kW)
 Maximum Governed RPM 2200 RPM
 Torque @ 1600 RPM (SAE Net) 76.3 ft. -lbs. (103,4 Nm)
 Number of Cylinders 3
 Displacement 100.5 cu. in. (1,65 L)
 Bore x Stroke 3.43 x 3.64 in. (87 x 92,4 mm)
 Lubrication Forced
 Filter Cartridge Type - Full Flow
 Air Cleaner Dry replaceable cartridge with safety element
 Alternator 12 volt; 40 amps
 Battery 12 volt; 500 cold cranking amps @ 0°F (-18°C);
 75 minute reserve capacity
 Starter 12 volt 2.7 HP (1.4 kW); Gear Reduction Type

HYDRAULIC SYSTEM

Pump Type	Dual Outlet Piston, with Gear Pump
Pump Capacity	1 x 7.0 GPM (26,6 L/min)
	2 x 5.2 GPM (19,8 L/min)
System Relief Pressure	2500 PSI (17237 kPa)
Auxiliary Circuits	2500 PSI (17237 kPa)
Auxiliary Flow	12.3 GPM (46,4 L/min)
Control Valves	(1) 10-Spool Parallel Series
Drive Motors	(2) Axial Piston Motors
Swing Motor	Orbit Motor
Slew Speed	9.18 RPM
Boom Swing (Left)	90°
Boom Swing (Right)	50°

Hydraulic Function Times

Bucket	Curl	2.0 Seconds	Dump	1.5 Seconds
Arm	Retract	3.0 Seconds	Extend	2.2 Seconds
Boom	Raise	3.4 Seconds	Lower	4.5 Seconds
Boom Swing	Left	5.8 Seconds	Right	5.1 Seconds
Blade	Raise	2.4 Seconds	Lower	2.4 Seconds

DRIVE SYSTEM

Final Drive	Each track is driven by a hydrostatic axial piston motor
Type of Reduction	Two stage planetary gear reduction 44.3:1
Maximum Drawbar Pull ..	5480 lbf. (24376 N)
Maximum Gradability	30°

CAPACITIES

Fuel Tank	14.1 gal. (53,3 L)
Cooling System	5.5 qts (5,2 L)
Engine Oil and Filter	5.75 qts. (5,4 L)
Hydraulic Reservoir	4.8 gal. (18,2 L)

CONTROLS

Vehicle Steering	Direction and speed controlled by two hand levers or foot levers
Excavator Functions	Two hydraulic joysticks control boom, arm, bucket and cab swing. Foot pedal controls boom swing. The blade is controlled by a separate lever. Switches on right hand joystick control auxiliary hydraulic functions.
Service Brake (Travel)	Hydraulic lock on motor
Parking Brake (Travel)	Hydraulic lock on motor
Service Brake (Swing)	Hydraulic lock on motor
Holding Brake (Swing)	Pin lock

HYDRAULIC CYLINDERS

	<i>Bore Diameter</i>	<i>Rod Diameter</i>	<i>Stroke Diameter</i>
Boom (cushion up)	3.00 in. (76,2 mm)	1.62 in. (41,3 mm)	18.68 in. (423,7 mm)
Arm (cushion extend)	3.00 in. (76,2 mm)	1.50 in. (38,1 mm)	19.11 in. (485,4 mm)
Bucket	2.50 in. (63,5 mm)	1.50 in. (38,1 mm)	18.34 in. (465,8 mm)
Boom Swing			
(cushion left and right)	2.38 in. (60,3 mm)	1.38 in. (34,9 mm)	15.75 in. (400 mm)
Blade	2.75 in. (69,9 mm)	1.50 in. (38,1 mm)	7.68 in. (195 mm)

SERVICEABILITY

Access is available to the following through the rear tailgate or side access hood:

- Air cleaner with indicator
- Battery
- Cooling system (engine oil and hydraulic oil coolers) for cleaning
- Control Valve
- Engine oil and fuel filters
- Engine oil level
- Fuel Fill
- Hydraulic valve bank
- Starter
- Sight gauges for hydraulic level

Tailgate and access cover have locks for vandal proofing.

Easy access to all grease points.

Central grease point for swing bearing, swing pinion, and offset cylinder

WARRANTY

One Year Unlimited Hours	Standard
24 Month, 2000 Hour Limit	Optional
36 Month, 3000 Hour Limit	Optional
60 Month, 5000 Hour Limit	
(Municipalities Only)	Optional

ATTACHMENTS


- | | |
|-------------------|-------------------|
| Auger | Hydraulic Clamp |
| Grading Blade | Packer Wheel |
| Grading Bucket | Plate Compactor |
| Grapple, 3-Tine | Power Tilt |
| Hydra-Tilt | Ripper |
| Hydraulic Breaker | Trenching Buckets |

LIFT CHARTS

WARNING

OVERLOAD CAN TIP THE EXCAVATOR AND CAUSE INJURY OR DEATH

- Do not lift or hold any load that exceeds these ratings at their specified load radii and height.
- Total rated load is shown. The weight of all lifting devices must be deducted to determine the net load that can be lifted.



EXCAVATOR MODEL 325

CIRCUIT PRESSURES

WORKING 172 bar (2500 psi)

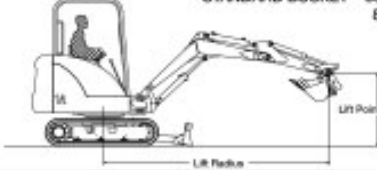
HOLDING 203 bar (2950 psi)

BOOM LENGTH 2000 mm (78.7 in)

ARM LENGTH 1050 mm (41.3 in)

COUNTERWEIGHT 24.9 kg (55.0 lb)

STANDARD BUCKET 508 mm (20.0 in) 82.2 kg (181.3 lb)



Where applicable, specifications conform to ISO Standards. Specifications are subject to change without notice. Lift Point is bucket hinge point with standard bucket attached and bucket cylinder fully extended.

LIFT POINT HEIGHT	RATED LIFT CAPACITY OVER BLADE, BLADE DOWN - kg (lb)			RATED LIFT CAPACITY OVER BLADE, BLADE UP - kg (lb)			RATED LIFT CAPACITY OVER SIDE, BLADE UP - kg (lb)		
	LIFT RADIUS - mm (in)		LIFT @ MAXIMUM RADIUS, kg (lb) @ mm (in)	LIFT RADIUS - mm (in)		LIFT @ MAXIMUM RADIUS, kg (lb) @ mm (in)	LIFT RADIUS - mm (in)		LIFT @ MAXIMUM RADIUS, kg (lb) @ mm (in)
	2000 (78.7)	3000 (118.1)		2000 (78.7)	3000 (118.1)		2000 (78.7)	3000 (118.1)	
3000 (118.1)			*326 (719) @ 2870 (113)			*311 (686) @ 2870 (113)			*326 (719) @ 2870 (113)
2000 (78.7)		*365 (806)	*350 (772) @ 3510 (138)		*355 (782)	*335 (738) @ 3510 (138)		*361 (796)	*343 (766) @ 3510 (138)
1000 (39.4)	*909 (2004)	*494 (1088)	*374 (826) @ 3710 (146)	*886 (1955)	*474 (1044)	280 (618) @ 3710 (146)	705 (1553)	*470 (1036)	267 (589) @ 3710 (146)
Ground	*1111 (2449)	*567 (1249)	*414 (913) @ 3560 (140)	777 (1714)	405 (893)	305 (672) @ 3560 (140)	660 (1455)	367 (808)	274 (603) @ 3560 (140)
-1000 (-39.4)	*936 (2063)	*446 (983)	*437 (964) @ 3010 (118)	*936 (2063)	*446 (983)	*433 (954) @ 3010 (118)	748 (1648)		*431 (951) @ 3010 (118)


* Rated Hydraulic Lift Capacity

41644SW 030677

WARNING

OVERLOAD CAN TIP THE EXCAVATOR AND CAUSE INJURY OR DEATH

- Do not lift or hold any load that exceeds these ratings at their specified load radii and height.
- Total rated load is shown. The weight of all lifting devices must be deducted to determine the net load that can be lifted.



EXCAVATOR MODELS 325 EQUIPPED WITH LONG ARM 328

CIRCUIT PRESSURES

WORKING 172 bar (2500 psi)

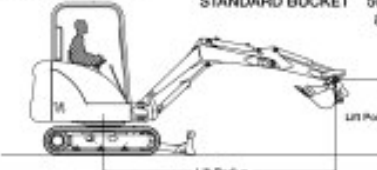
HOLDING 203 bar (2950 psi)

BOOM LENGTH 2000 mm (78.7 in)

ARM LENGTH 1360 mm (53.1 in)

COUNTERWEIGHT 166 kg (366 lb)

STANDARD BUCKET 508 mm (20.0 in) 82.2 kg (181.3 lb)



Where applicable, specifications conform to ISO Standards. Specifications are subject to change without notice. Lift Point is bucket hinge point with standard bucket attached and bucket cylinder fully extended.

LIFT POINT HEIGHT	RATED LIFT CAPACITY OVER BLADE, BLADE DOWN - kg (lb)			RATED LIFT CAPACITY OVER BLADE, BLADE UP - kg (lb)			RATED LIFT CAPACITY OVER SIDE, BLADE UP - kg (lb)		
	LIFT RADIUS - mm (in)		LIFT @ MAXIMUM RADIUS, kg (lb) @ mm (in)	LIFT RADIUS - mm (in)		LIFT @ MAXIMUM RADIUS, kg (lb) @ mm (in)	LIFT RADIUS - mm (in)		LIFT @ MAXIMUM RADIUS, kg (lb) @ mm (in)
	2000 (78.7)	3000 (118.1)		2000 (78.7)	3000 (118.1)		2000 (78.7)	3000 (118.1)	
3000 (118.1)			*270 (594) @ 3240 (128)			*266 (586) @ 3240 (128)			*270 (594) @ 3240 (128)
2000 (78.7)		*295 (651)	*296 (652) @ 3800 (150)		*287 (632)	*285 (629) @ 3800 (150)		*290 (639)	*294 (649) @ 3800 (150)
1000 (39.4)	*785 (1731)	*425 (938)	*322 (709) @ 3990 (157)	*756 (1666)	*412 (908)	*313 (689) @ 3990 (157)	*768 (1693)	*422 (931)	*320 (706) @ 3990 (157)
Ground	*1049 (2313)	*532 (1174)	*346 (763) @ 3850 (152)	827 (1822)	*516 (1137)	*345 (761) @ 3850 (152)	781 (1721)	399 (880)	279 (615) @ 3850 (152)
-1000 (-39.4)	*975 (2149)	*479 (1057)	*379 (835) @ 3360 (132)	*964 (2125)	*481 (1061)	*378 (833) @ 3360 (132)	783 (1727)	*484 (1067)	*374 (825) @ 3360 (132)

* Rated Hydraulic Lift Capacity

5800 SW5806710 enUS

SAFETY

Retractable Seat Belt (Std.) Should always be worn when operating the excavator
Operator Cab (Std.) A four post canopy or optional enclosed cab provided. Four post canopy and cab shall meet Roll Over Protective Structure (ROPS) in accordance with SAE J1040 and Tip Over Protective Structure (TOPS) in accordance with ISO 12117. An optional Falling Object Guard Structure (FOGS) shall be in accordance with ISO 10262 Level 1 for top guard.

Level 1 – Acceptance is intended for protection from falling bricks, small concrete blocks and hand tools encountered in operations such as highway maintenance, landscaping and other construction site services.

Grab Handles (Std.) Should always be used when entering/exiting excavator.
Safety Tread (Std.) Slip resistant tread on canopy threshold to be used when entering/exiting excavator.
Front Working Lights (Std.) Use for indoor and low light operation.
Control Lockout (Std.) Operator console shall lock out work group and travel functions when in the upright position.
House Swing Lock (Std.) A lock pin shall be provided to lock the upper carriage to the undercarriage for transporting.
Pedal Lock (Std.) Pedal lock shall prevent activation of boom swing function.
Travel Motion Alarm (Opt.) For use when required.
Special Applications Kit (Opt.) Restricts objects and material from entering cab openings.
Operator's Handbook Weather resistant operator handbook written in English will be attached to inside of cab, providing operational instructions and warnings by decals with pictorials and international symbols plus some messages in four basic languages: English, French, German and Spanish.

TRAINING RESOURCES

Bobcat Excavator Operator Training Course

4-hour course provides video, classroom and hands-on training

Bobcat Excavator Service Safety Training Course

2-hour course provides video, classroom and hands-on training
