



Product Quotation

Quotation Number: BDH-00160

Date: 2020-08-21 11:42:29

Description

E85 R-Series Bobcat Compact Excavator

65.9 HP Turbocharged, Tier 4, Non DPF

Auto-Idle

Auto-Shift, Two Speed Travel

Auxiliary Hydraulics - w/ Quick Couplers & Selectable Flow Rates

Boom Swing

Cab, Enclosed with HVAC - ROPS/TOPS & Level 1 FOPS

Includes: Radio Ready, Cup Holder, Retractable Seat Belt,

Deluxe Cloth Suspension Seat

Control Console Locks

Control Pattern Selector Valve (ISO/STD)

Part No	Qty	Price Ea.	Total
M3325	1	\$73,784.08	\$73,784.08

Dozer Blade - w/ Float

Engine/Hydraulic Monitor with Engine Idle

Fingertip Auxiliary Hydraulics & Boom Swing

Horn

Lift Point

Mirrors - Left and Right Side

Pin-On Attachment Mounting System

Rubber Tracks

Work Lights

Warranty: 2 years, or 2000 hours whichever occurs first

P50 Performance Package

Long Arm

M3325-P06-P50	1	\$0.00	\$0.00
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C42 Comfort Package

Enclosed Cab with HVAC

Cloth Suspension Seat

M3325-P07-C42	1	\$505.24	\$505.24
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Travel Motion Alarm

Radio

Telematics US

18" MX6 PIN-ON TEETH

M3325-R51-C02	1	\$0.00	\$0.00
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7322125	1	\$943.92	\$943.92
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Total of Items Quoted

\$75,233.24

Dealer Assembly Charges

\$0.00

Quote Total - US dollars

\$75,233.24

Notes:

All prices subject to change without prior notice or obligation. This price quote supersedes all preceding price quotes.

Customer Acceptance:

Purchase Order: _____

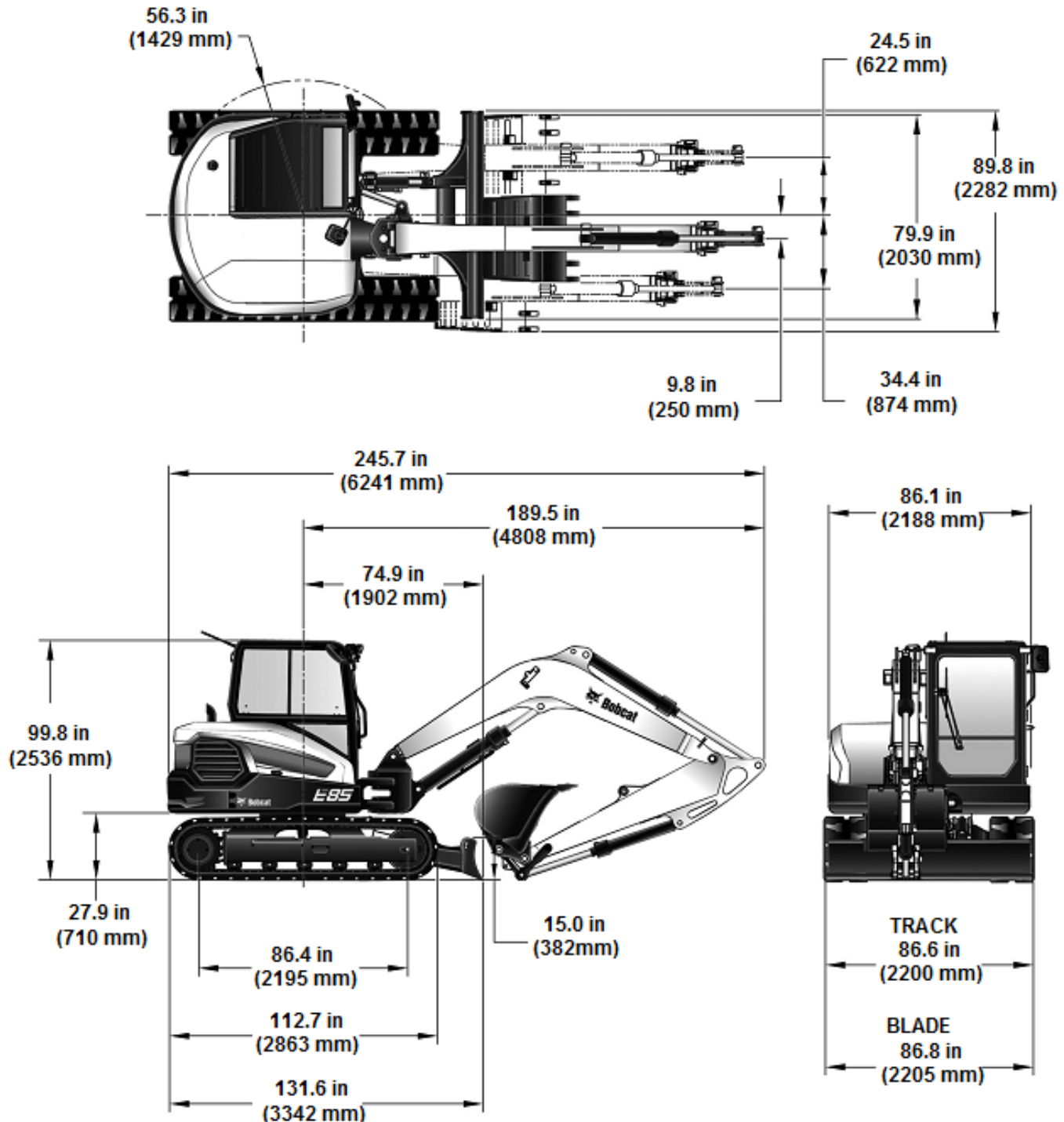
Authorized Signature:

Print: _____ Sign: _____ Date: _____

E85R EXCAVATOR SALES SPECIFICATIONS

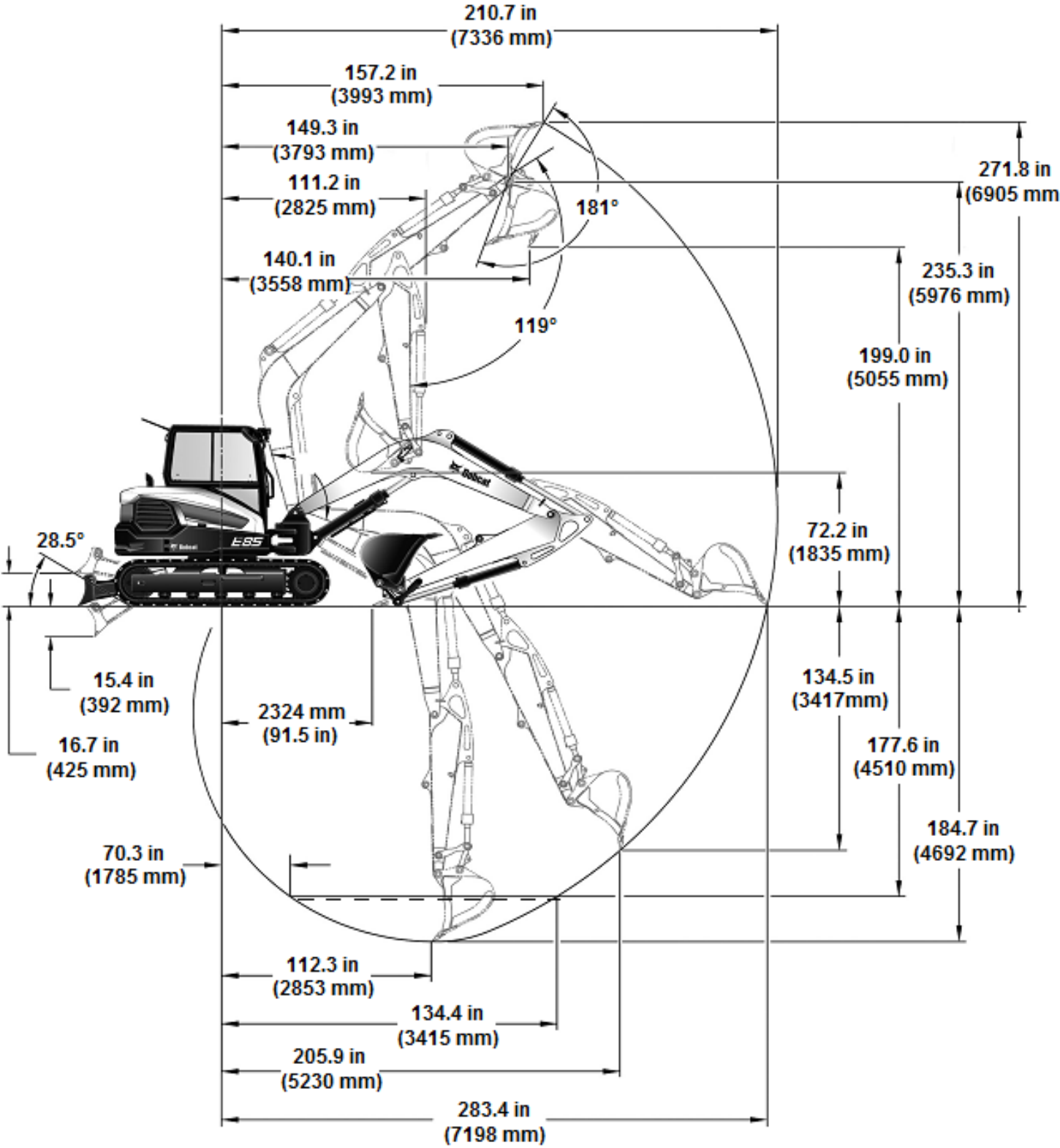
Excavator Machine Dimensions

- Where applicable, specification conform to SAE or ISO standards and are subject to change without notice.
- Specifications(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Bobcat equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors.



E85R EXCAVATOR SPECIFICATIONS (CONT'D)

Excavator Machine Dimensions (CONT'D)



E85R EXCAVATOR SPECIFICATIONS (CONT'D)

Performance

E85R	
Operating weight (Includes cab with HVAC, rubber tracks, 609 mm (24 in) bucket and 75 kg (165 lb) operator)	18977 lb (8608 kg)
If equipped with the following, add:	Steel tracks: 234 lb (106 kg); Segmented tracks: 362 lb (164 kg); Add-On Counterweight: 897 lb (407 kg) Hydraulic Clamp: 350 lb (159 kg) Hydraulic Pin Grabber: 185 lb (84 kg)
Travel Speed (Low / High)	1.7 mph / 2.9 mph (2.7 km/h / 4.7 km/h)
Digging Force (per ISO 6015)	Arm - 8253 lbf (36712 N) Bucket - 16269 lbf (72368 N)
Arm Length	88.6 in (2250 mm)
Boom Length	131.9 in (3350 mm)
Tail Swing Overhang	13 in (330 mm) – with Standard Counterweight 18 in (450 mm) – with Add-On Counterweight

Controls

Steering	Two hand levers (with foot pedals)
Hydraulics	Two hand operated levers (joysticks) control boom, bucket, arm and upperstructure slew
Blade	Hand lever
Two-Speed	Switch on blade lever
Boom Offset Switch	Electric switch in left joystick
Auxiliary Hydraulics	Electric switch in right joystick
Auxiliary Pressure Release	Electric switch in right joystick
Engine	Engine speed control dial with auto idle feature, key type start switch
Starting Aid	Glow Plugs – automatically activated by key switch
Brakes Travel Service & Parking Swing Service Holding	Hydraulic lock in motor Hydraulic lock on motor Spring applied - hydraulic release

E85R EXCAVATOR SPECIFICATIONS (CONT'D)

Hydraulic System

Pump Type	Engine driven, single outlet, variable displacement, pressure compensating, load sensing, torque limiter, piston pump
Pump Capacity	39.4 U.S. gpm (149,1 L/min)
Auxiliary Flow - Primary	25.1 U.S. gpm (95,0 L/min)
Auxiliary Flow - 2nd Aux (Female coupler) (Male coupler)	16.4 U.S. gpm (62,0 L/min) 10.8 U.S. gpm (41,0 L/min)
Hydraulic Filter	Full flow replaceable, 3 micron synthetic media element
Control Valve	9 spool closed center individually compensated
Fluid Type	Bobcat Fluid, Hydraulic / Hydrostatic 6903117 - (2.5 U.S. gal) 6903118 - (5 U.S. gal) 6903119 - (55 U.S. gal)
System Relief Pressure	4279 psi (9500 kPa) (295 bar)
Slew Circuit	3129 psi (21570 kPa) (216 bar)
Travel Motor	4061 psi (28000 kPa) (280 bar)
Offset Circuit	5511 psi (38000 kPa) (380 bar)
Auxiliary Port Relief – Primary Aux - Secondary Aux	3045 psi (21000 kPa) (210 bar) 3000 psi (20700 kPa) (207 bar)
Arm Port Relief, Base End And Rod End	4931 psi (34000 kPa) (340 bar)
Boom Port Relief, Base End And Rod End	4931 psi (34000 kPa) (340 bar)
Bucket Port Relief Base End And Rod End	4931 psi (34000 kPa) (340 bar)
Blade Port Relief Base End	5511 psi (38000 kPa) (380 bar)
Main Hydraulic Filter Bypass	50 psi (340 kPa) (3,4 bar)
Case Drain	25 psi (172 kPa) (1,7 bar)

Hydraulic Cylinders

Cylinder	Bore	Rod	Stroke
Boom (cushion up)	4.52 in (115 mm)	2.95 in (75 mm)	30.51 in (775 mm)
Arm	3.93 in (100 mm)	1.75 in (65 mm)	33.30 in (846 mm)
Bucket (cushion retract / extend)	3.35 in (85 mm)	2.17 in (55 mm)	27.17 in (690 mm)
Boom Swing (cushion left / right)	4.00 in (1016 mm)	2.25 in (57,2 mm)	27.45 in (697,2 mm)
Blade	3.94 in (100 mm)	2.36 in (60 mm)	5.87 in (149 mm)

E85R EXCAVATOR SPECIFICATIONS (CONT'D)

Slew and Swing System

Slew Motor	Axial piston connected to a planetary drive
Slew Circle	Single row shear type ball bearing with internal gear
Slew Speed	9.0 rpm
Boom Swing	64° Left / 61 ° Right

Capacities

Fuel Tank	30.6 U.S. gal (116,0 L)
Hydraulic Reservoir Only (Center of Sight Glass)	6.0 U.S. gal (22,7 L)
Hydraulic System (with Reservoir)	22.0 U.S. gal (83,0 L)
Cooling System	2.65 U.S. gal (10.0 L)
Engine Oil and Filter	9.1 qt (8,6 L)
Final Drive (each)	1.16 qt (1,1 L)
Air Conditioning Refrigerant (R-134a)	3.0 lb (1,36 kg)

Undercarriage

Final Drive	Each track is driven by hydrostatic axial piston motor		
Type of Reduction	50.1:1 two stage planetary		
Crawler Track Design	Sealed track rollers with boxed section track roller frame, grease type track adjuster with shock absorbing recoil spring		
Drawbar Pull	15427 lbf (68564 N)		
Width of crawler (outside)	86.6 in (2200 mm)		
Ground Clearance (center of machine)	15.5 in (393 mm)		
Track Type	Rubber	Steel	Segmented
Width	17.7 in (450 mm)	17.7 in (450 mm)	17.7 in (450 mm)
Number of Shoes (per side)	Single Assembly	39	39
Number of Track Rollers (per side)	5	5	5
Ground Pressure	5.56 psi (38,3 kPa)	5.63 (38.8 kPa)	5.67 (39.1 kPa)

- Specifications(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Bobcat equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors.

E85R EXCAVATOR SPECIFICATIONS (CONT'D)

Engine and Electrical

Make / Model / Type	Bobcat Engine / D24NDAP / Tier 4, non DPF, turbo diesel
Engine Horsepower (SAE J1995)	65.9 Hp (49.2 kW) @ 2100 RPM
Torque (SAE J1995)	185.5 ft-lb (251.5 N-m) @ 1600 RPM
Idle: Low / High	1195 – 1245 RPM / 2075 – 2125 RPM
Number of Cylinders	4
Displacement	146.0 cu in (2.4 L)
Bore / Stroke	3.54 in / 3.70 in (90 mm / 94 mm)
Lubrication	Gear pump pressure system with filter
Crankcase Ventilation	Closed breathing
Starting Aid	Glow plugs, automatically activated
Air Cleaner	Dry replaceable paper cartridge with separate safety element
Ignition	Diesel - compression
Air Induction	Turbo-charged and charged air cooled
Engine Coolant	Propylene Glycol / Water mixture
Alternator	12 volt, 90 Amp open frame w / internal regulator
Battery	12 volt - 1000 CCA @ 0°F (-18°C)
Starter	2.7 hp (12 volt; gear reduction 2.0 kW)
Lights	37.5 watt (2)
Instrumentation	<p>Gauges: Engine Coolant Temperature, Fuel Level.</p> <p>Warning lights: Fuel Level, Seat Belt, Engine Coolant Temperature, Engine Malfunction, Hydraulic System Malfunction, General Warning.</p> <p>Indicators: Two-Speed, Engine Preheat.</p> <p>Data Display: Operating Hours, Engine rpm, Maintenance Clock Countdown, Battery Voltage, Service Codes, Engine Preheat.</p> <p>Other: Audible Alarm, Lights.</p> <p>Optional Deluxe Instrumentation Panel: *Additional displays for: Engine rpm, Coolant Temperature and Oil Pressure; System Voltage and Hydraulic Oil Temperature.</p> <p>*Additional Features Included: Keyless Start, Digital Clock, Job Clock, Password Lockout, Multi-language Display, Help Screens, Diagnostic Capability and Engine / Hydraulic Systems Shutdown Function.</p>

E85R EXCAVATOR SPECIFICATIONS (CONT'D)

E85 Rated Lift Capacity, with Standard Counterweight:

E85

①

②

A

B

3000 mm (118.1 in)	4000 mm (157.5 in)	5000 mm (196.9 in)	6000 mm (236.2 in)
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**kg (lb) @
max. B**

B

3000 mm (118.1 in)	4000 mm (157.5 in)	5000 mm (196.9 in)	6000 mm (236.2 in)
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**kg (lb) @
max. B**

B

3000 mm (118.1 in)	4000 mm (157.5 in)	5000 mm (196.9 in)	6000 mm (236.2 in)
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**kg (lb) @
max. B**

4000 mm (157.5 in)			*1484 kg (3272 lb)		*1545 kg (3407 lb) @ 5711 mm (225 in)			*1484 kg (3272 lb)		1059 kg (2334 lb) @ 5711 mm (225 in)			1154 kg (2545 lb)		907 kg (1999 lb) @ 5711 mm (225 in)
3000 mm (118.1 in)		*1695 kg (3736 lb)	*1587 kg (3498 lb)	*1538 kg (3390 lb)	*1542 kg (3399 lb) @ 6153 mm (242 in)		*1695 kg (3736 lb)	1342 kg (2959 lb)	991 kg (2185 lb)	946 kg (2086 lb) @ 6153 mm (242 in)		*1695 kg (3736 lb)	1144 kg (2521 lb)	837 kg (1845 lb)	797 kg (1758 lb) @ 6153 mm (242 in)
2000 mm (78.7 in)	*2951 kg (6506 lb)	*2141 kg (4721 lb)	*1788 kg (3942 lb)	*1601 kg (3529 lb)	*1557 kg (3432 lb) @ 6378 mm (251 in)	*2951 kg (6506 lb)	*2141 kg (4721 lb)	1323 kg (2916 lb)	990 kg (2182 lb)	891 kg (1965 lb) @ 6378 mm (251 in)	2388 kg (5265 lb)	1556 kg (3431 lb)	1110 kg (2447 lb)	828 kg (1825 lb)	744 kg (1640 lb) @ 6378 mm (251 in)
1000 mm (39.4 in)	*4026 kg (8875 lb)	*2601 kg (5734 lb)	*2005 kg (4421 lb)	*1685 kg (3714 lb)	*1582 kg (3489 lb) @ 6413 mm (252 in)	2747 kg (6056 lb)	1791 kg (3949 lb)	1288 kg (2840 lb)	976 kg (2152 lb)	878 kg (1936 lb) @ 6413 mm (252 in)	2196 kg (4846 lb)	1473 kg (3247 lb)	1069 kg (2357 lb)	811 kg (1788 lb)	729 kg (1607 lb) @ 6413 mm (252 in)
Ground	*4425 kg (9754 lb)	*2883 kg (6355 lb)	*2151 kg (4743 lb)	*1719 kg (3791 lb)	*1613 kg (3557 lb) @ 6263 mm (247 in)	2691 kg (5932 lb)	1739 kg (3833 lb)	1258 kg (2773 lb)	964 kg (2126 lb)	906 kg (1998 lb) @ 6263 mm (247 in)	2131 kg (4696 lb)	1419 kg (3128 lb)	1039 kg (2290 lb)	799 kg (1762 lb)	751 kg (1656 lb) @ 6263 mm (247 in)
-1000 mm (-39.4 in)	*4298 kg (9475 lb)	*2907 kg (6408 lb)	*2150 kg (4739 lb)		*1641 kg (3619 lb) @ 5911 mm (233 in)	2747 kg (6066 lb)	1734 kg (3824 lb)	1252 kg (2760 lb)		992 kg (2186 lb) @ 5911 mm (233 in)	2158 kg (4757 lb)	1408 kg (3106 lb)	1030 kg (2271 lb)		821 kg (1810 lb) @ 5911 mm (233 in)

SW 17

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SW 17

7332147

NOTE: Rated Lift Capacity values exclude weight of quick coupler and bucket.

E85R Rated Lift Capacity with Add-On Counterweight:

E85

A

B

B

B

	3000 mm (118.1 in)	4000 mm (157.5 in)	5000 mm (196.9 in)	6000 mm (236.2 in)	kg (lb) @ max. B	3000 mm (118.1 in)	4000 mm (157.5 in)	5000 mm (196.9 in)	6000 mm (236.2 in)	kg (lb) @ max. B	3000 mm (118.1 in)	4000 mm (157.5 in)	5000 mm (196.9 in)	6000 mm (236.2 in)	kg (lb) @ max. B
4000 mm (157.5 in)			*1484 kg (3272 lb)		*1545 kg (3407 lb) @ 5711 mm (225 in)			*1484 kg (3272 lb)		1206 kg (2659 lb) @ 5711 mm (225 in)			*1484 kg (3272 lb)		1041 kg (2296 lb) @ 5711 mm (225 in)
3000 mm (118.1 in)		*1695 kg (3736 lb)	*1587 kg (3498 lb)	*1538 kg (3390 lb)	*1542 kg (3399 lb) @ 6153 mm (242 in)		*1695 kg (3736 lb)	*1587 kg (3498 lb)	1133 kg (2498 lb)	1084 kg (2390 lb) @ 6153 mm (242 in)		*1695 kg (3736 lb)	1303 kg (2872 lb)	966 kg (2129 lb)	922 kg (2033 lb) @ 6153 mm (242 in)
2000 mm (78.7 in)	*2951 kg (6506 lb)	*2141 kg (4721 lb)	*1788 kg (3942 lb)	*1601 kg (3529 lb)	*1557 kg (3432 lb) @ 6378 mm (251 in)	*2951 kg (6506 lb)	*2141 kg (4721 lb)	1502 kg (3312 lb)	1133 kg (2499 lb)	1025 kg (2260 lb) @ 6378 mm (251 in)	*2951 kg (6506 lb)	1768 kg (3898 lb)	1271 kg (2802 lb)	958 kg (2112 lb)	865 kg (1907 lb) @ 6378 mm (251 in)
1000 mm (39.4 in)	*4026 kg (8875 lb)	*2601 kg (5734 lb)	*2005 kg (4421 lb)	*1685 kg (3714 lb)	*1582 kg (3489 lb) @ 6413 mm (252 in)	3118 kg (6873 lb)	2036 kg (4489 lb)	1471 kg (3242 lb)	1121 kg (2472 lb)	1012 kg (2232 lb) @ 6413 mm (252 in)	2515 kg (5545 lb)	1688 kg (3722 lb)	1232 kg (2717 lb)	942 kg (2078 lb)	850 kg (1875 lb) @ 6413 mm (252 in)
Ground	*4425 kg (9754 lb)	*2883 kg (6355 lb)	*2151 kg (4743 lb)	*1719 kg (3791 lb)	*1613 kg (3557 lb) @ 6263 mm (247 in)	3072 kg (6772 lb)	1988 kg (4382 lb)	1443 kg (3181 lb)	1111 kg (2450 lb)	1046 kg (2305 lb) @ 6263 mm (247 in)	2456 kg (5415 lb)	1638 kg (3611 lb)	1204 kg (2654 lb)	932 kg (2054 lb)	877 kg (1934 lb) @ 6263 mm (247 in)
-1000 mm (-39.4 in)	*4298 kg (9475 lb)	*2907 kg (6408 lb)	*2150 kg (4739 lb)		*1641 kg (3619 lb) @ 5911 mm (233 in)	3140 kg (6922 lb)	1988 kg (4383 lb)	1439 kg (3173 lb)		1143 kg (2520 lb) @ 5911 mm (233 in)	2491 kg (5492 lb)	1631 kg (3596 lb)	1197 kg (2639 lb)		957 kg (2110 lb) @ 5911 mm (233 in)

SW 17

7329610

NOTE: Rated Lift Capacity values exclude weight of quick coupler and bucket.

WARRANTY

Bobcat Excavators

Bobcat Company warrants to its authorized dealers and authorized dealers of Bobcat Equipment Ltd., who in turn warrant to the owner, that each new Bobcat excavator with a delivery date on or after January 1, 2019 will be free from proven defects in material and workmanship with respect to (i) all components of the product except as otherwise specified herein for twenty-four (24) months, or a total of 2000 hours of use, whichever occurs first, (ii) tracks for twelve (12) months on a prorated basis based on the remaining depth of the track at the time any defect is discovered, (iii) Bobcat brand batteries, for an initial twelve (12) month warranty period and for an additional twelve (12) months thereafter, Bobcat Company shall reimburse a fixed portion of the cost of replacing the battery as designated by Bobcat in the event of a proven defect and (iv) auxiliary hydraulic quick couplers for six (6) months or 200 hours of use, whichever occurs first. The foregoing time periods shall all commence after delivery by the authorized Bobcat dealer to the original buyer.

During the warranty period, the authorized Bobcat dealer shall repair or replace, at Bobcat Company's option, without charge for parts and labor, any part of the Bobcat product except as otherwise specified herein which fails because of defects in material or workmanship. The owner shall provide the authorized Bobcat dealer with prompt written notice of the defect and allow reasonable time for repair or replacement. Bobcat Company may, at its option, require failed parts to be returned to the factory. Travel time of mechanics and transportation of the Bobcat product to the authorized Bobcat dealer for warranty work are the responsibility of the owner. The remedies provided in this warranty are exclusive.

This warranty does not cover replacement of scheduled service items such as oil, filters, tune-up parts, and other high-wear items. This warranty does not cover damages resulting from abuse, accidents, alterations, use of the Bobcat product with any accessory or attachment not approved by Bobcat Company, air flow obstructions, or failure to maintain or use the Bobcat product according to the instructions applicable to it.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND CONDITIONS, EXCEPT THE WARRANTY OF TITLE. BOBCAT COMPANY DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL BOBCAT COMPANY OR THE AUTHORIZED BOBCAT DEALER BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, LOSS OR INTERRUPTION OF BUSINESS, LOST PROFITS, OR LOSS OF MACHINE USE, WHETHER BASED ON CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY, STATUTE OR OTHERWISE, EVEN IF BOBCAT COMPANY OR THE AUTHORIZED BOBCAT DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE TOTAL LIABILITY OF BOBCAT COMPANY AND THE AUTHORIZED BOBCAT DEALERS WITH RESPECT TO THE PRODUCT AND SERVICES FURNISHED HEREUNDER SHALL NOT EXCEED THE PURCHASE PRICE OF THE PRODUCT UPON WHICH SUCH LIABILITY IS BASED.



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