

CASE
CONSTRUCTION

Excavators
D SERIES



CX130D
CX145D

CX160D
CX210D

CX245D
CX250D

CX290D
CX300D

CX350D
CX490D

CX500D
CX750D

SINCE 1842



CX130D



CX145D



CX160D



CX210D



CX245D



CX250D



CX290D



CX300D



CX350D



CX490D



CX500D



CX750D

The Rules Have Changed

More buckets per hour. More hours per tank. More done more quickly than ever before. All with less to maintain and worry about. Whatever the application – loading, trenching, mass excavation, moving pipe or breaking rock – the smarter, faster CASE D Series is rewriting the rulebook on performance and profitability.

- + Faster cycle times
- + Greater precision
- + CASE Intelligent Hydraulic System
- + Wider, more comfortable cab
- + Superior fuel economy
- + Outstanding visibility
- + No-hassle emissions control
- + Protected by ProCare



THE D SERIES GETS THE JOB DONE

CASE INTELLIGENT HYDRAULIC SYSTEM (CIHS)

Our exclusive CIHS easily delivers unmatched precision and greater fuel economy by actively managing hydraulic power throughout lift/dump and dig/curl movements. Thanks to an electronically controlled pump, a larger main valve and multiple hydraulic sensors, the D Series delivers up to 6% greater breakout force.

INTEGRATED CONTROL SYSTEMS

The D Series provides the perfect synergy between engine and hydraulic power. Advanced sensors continuously monitor the type of work being done and automatically respond with the right hydraulic pressure when and where it's needed.

- **Boom Economy Control (BEC)** reduces RPMs during down and swing.
- **Auto Economy Control (AEC)** lowers RPMs during idling.
- **Swing Relief Control (SWC)** efficiently regulates hydraulic swing power when coming out of a hole and moving toward a truck or pile.
- **Spool Stroke Control (SSC)** adjusts hydraulic pressure to optimal outputs and minimizes unneeded operational functions.

AUTO POWER BOOST

Increases hydraulic pressures according to the demand needed for the operating cycle.

MORE ROBUST BOOM AND ARM

From short arms for faster production cycles to long arms and long reach models that maximize the work envelope, the boom and arm on all D Series models have been strengthened internally and in gusset areas for increased reliability and stress relief.

FREE SWING

Dramatically improves craning, laying, or lifting of offset loads.





SUPERIOR VISIBILITY

The D Series cab is designed to provide a safe and secure working environment with outstanding visibility. Use of standard rear and side view cameras or the optional 270-degree CASE Max View display for extra perspective while operating, something all operators appreciate when working long days.





SUPERIOR CAB COMFORT COMES STANDARD





WIDER, EXTRA-SPACIOUS, PRESSURIZED, VISCOUS-MOUNTED CAB

The D Series cushioning system lowers noise and vibration levels for the operator's ultimate comfort, providing ample legroom along with a spacious storage compartment and warm and cool box.



7-INCH LCD MONITOR

An optically bonded, anti-glare 7-inch LCD multi-function monitor displays an abundant amount of machine operating data as well as setup and service related screens. Press a button and get up-to-date information on fuel level, temperature and pressure valves. Another button provides information on hours and fuel usage for up to two trips.



STANDARD REAR AND SIDE VIEW CAMERAS AND OPTIONAL CASE MAX VIEW DISPLAY

The D Series standard rear and side view cameras provide increased awareness around the machine. Add the optional CASE Max View display for even greater visibility and safer operation with a 270-degree view of the machine.



AIR RIDE SEAT, HEATED

Operators who work up to a full day with few breaks need protection from shocks and vibrations in order to be more productive. With a wider cushion than a standard seat, wider armrests and adjustable height and backrest settings, there simply isn't a more comfortable seat to operate from in the industry.



ERGONOMICALLY DESIGNED LAYOUT

Each D Series excavator features a fully adjustable operator station and an ergonomic armrest with joystick controls and easy-to-reach function switches that allow for smooth operation and performance.



BLUETOOTH ENABLED RADIO

The D Series cab comes equipped with an AM/FM Bluetooth radio, auxiliary port and controls, remote auxiliary USB connection and phone charger.



OPTIONAL LED WORKLIGHTS PACKAGE

8 LED working lights positioned around the cab and boom provide over three times the brightness of halogen bulbs: two mounted on front of the cab, two mounted on the rear, and one on each side, on the house, and on the boom.

IMPROVE YOUR SPEED AND EFFICIENCY

FASTER CYCLE TIMES

Larger control valves and computer controlled redirection of hydraulic oil flow, improves cycle times by as much as 12%. The D Series provides productivity while maintaining controllability for the operator.

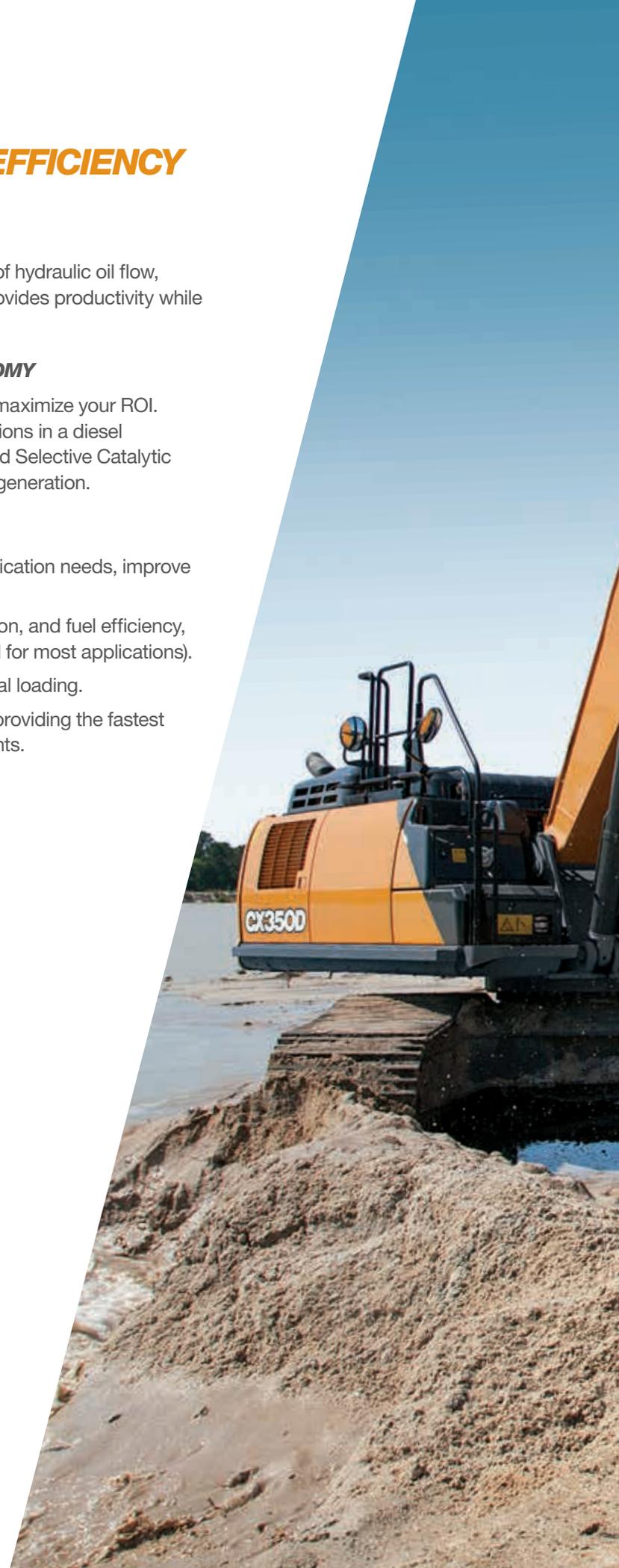
TIER 4 FINAL SCR PROVIDES SUPERIOR FUEL ECONOMY

Saving up to 14% on fuel helps slash operating costs and maximize your ROI. CASE excavators don't wastefully use fuel to control emissions in a diesel particulate filter. By using a combination of CEGR, DOC and Selective Catalytic Reduction (SCR), the emissions mandate is met without regeneration.

3 POWER MODES

The D Series offers 3 power modes to match different application needs, improve cycle times and maximize fuel economy:

- **Automatic (A):** The best balance between power, precision, and fuel efficiency, with Power Boost continuously engaged (Recommended for most applications).
- **Heavy (H):** Increased RPM for faster cycle times in general loading.
- **Speed Priority (SP):** Maximum RPM and hydraulic flow providing the fastest cycle times and maximum flow for demanding attachments.





CASE

MAINTENANCE MADE EASY

SERVICEABILITY IS IN OUR DNA

When you invest in CASE equipment, you need it to last. We make it simple. From ground-level site gauges to grouped service points, you can do daily maintenance in a matter of minutes. It's the easiest way to help you get the most performance and longest life out of your machine.

NO TOOLS NECESSARY

CASE excavators continue our hallmark of simple serviceability with features like tool-free access to routine maintenance points.

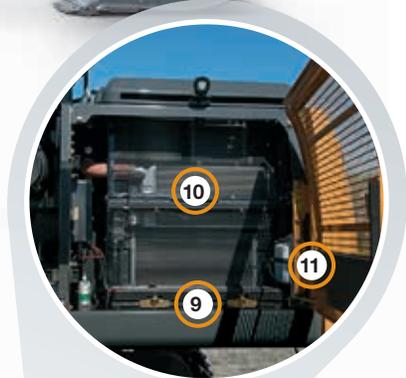
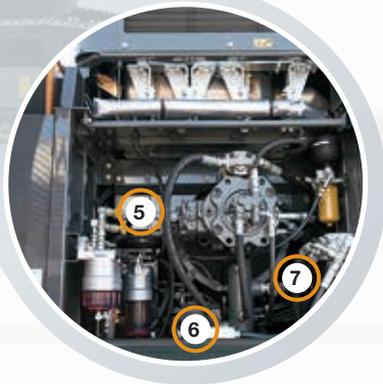
CASE EASY MAINTENANCE SYSTEM (EMS)

CASE uses stratified bushings and plated pins on most pivot points, which holds grease longer, increases lubrication intervals and prevents rattling.



Easy access to everything

- | | | | |
|------------------------|---------------------|--|-------------------------------|
| 1 Hydraulic fluid | 5 Fuel pre-filter | 9 Battery | 13 Grouped lubrication points |
| 2 Hydraulic oil filter | 6 Oil sample ports | 10 Coolers with protective removable screens | 14 Green plug oil drain |
| 3 Engine oil | 7 Engine oil filter | 11 Engine coolant | 15 Fuse box |
| 4 DEF fluid | 8 Cab air filter | 12 Engine air filter | 16 Lubricated EMS bushings |



IMPRESSIVE SERVICE INTERVALS

- Engine oil: 500 hours / best in class
- Boom & arm linkage pin grease: 1,000 hours
- Hydraulic oil: 5,000 hours

ATTACHED TO STRENGTH

FULL LINE OF CASE ATTACHMENTS

CASE offers bucket and hammer options to fit any application:

- General Purpose (STDP)
- Heavy Duty (HDP)
- Severe Duty (XPD)
- Ditching (DTCH)
- Frost Tooth
- High Capacity
- Rock
- Thumb
- Hydraulic Breaker

SMARTFIT™ BUCKET TEETH

CASE excavator buckets come standard with the innovative SmartFit bucket tooth system. These heavy-duty, self-sharpening teeth combine exceptional strength and unmatched ease of installation, thanks to a hammerless fastener system with reusable locking pins. Available in a full range of styles.



INTEGRATED HYDRAULIC QUICK COUPLER

Avoid the elements and downtime by quickly switching attachments from the comfort of the cab, thanks to an integrated hydraulic quick-coupler.





Protected by
ProCare

FACTORY WARRANTY
PLANNED MAINTENANCE
TELEMATICS

GO BIG, WE'VE GOT YOU COVERED

CASE ProCare is the industry's most comprehensive and standard-from-the-factory heavy machine support program that's as powerful as the equipment it protects. Best of all, ProCare comes standard on all new D Series excavators and keeps you covered for up to three years. It's the assurance businesses need to stay competitive, productive and profitable.



**3-yr/3000-hr
Full-Machine Factory
Limited Warranty***
STANDARD

**3-yr/2000-hr
Planned
Maintenance**
STANDARD

**3-yr Advanced
SiteWatch™
Subscription**
STANDARD



SUPPORT COMES STANDARD



STRONGER PRODUCT SUPPORT SOLUTIONS

Your CASE dealer knows best how you can maximize your equipment investment and uptime—with genuine CASE parts, expert service and a complete range of product support solutions including CASE remanufactured and all-makes parts. CASE supports better parts availability and faster deliveries through nine parts distribution centers in North America and a forecasting system to ensure that the right parts will be there when you need them. And only CASE dealers have exclusive access to the Electronic Service Tool (EST) that quickly pinpoints machine issues. Just ask your dealer for details.



FLEXIBLE FINANCIAL OPTIONS

Specialized finance programs and flexible leasing packages put you in the driver's seat of industry-leading CASE equipment while no-nonsense warranties and comprehensive protection plans ensure that your equipment is protected. As the only finance company dedicated to CASE, we offer strong products and services designed around your unique needs and are the only ones supported by the helpful service professionals at your CASE dealer.

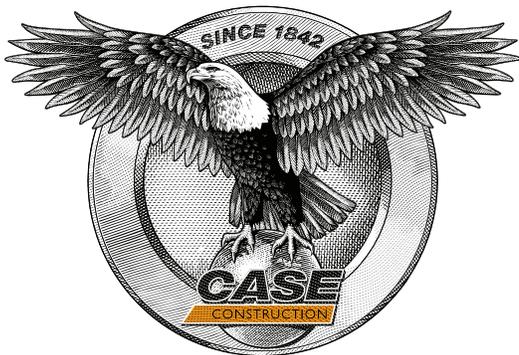
SPECIFICATIONS AND DIMENSIONS

SPECIFICATIONS	CX130D LC	CX145D MSR	CX160D STD LC	CX210D STD LC	CX245D MSR
Engine	Isuzu AR-4JJ1X	Isuzu AR-4JJ1X	Isuzu AR-4JJ1X	Isuzu AR 4HK1X	Isuzu AR-4HK1X
Engine Cylinders	4	4	4	4	4
Displacement – in ³ (L)	183 (3)	183 (3)	183 (3)	317 (5.2)	317 (5.2)
Net Horsepower – hp (kW)	102 (76.4)	102 (76.4)	112 (83.2)	160 (119.3)	160 (119.3)
Torque – lbf-ft (N-m)	257 (349)	257 (349)	257 (349)	457 (620)	457 (620)
Bucket Digging Force – lbf (kN)	21,400 (95)	21,400 (95)	26,500 (118)	34,600 (154)	34,600 (154)
Arm Digging Force – lbf (kN)	14,800 (66)	14,800 (66)	18,800 (84)	25,100 (112)	25,100 (112)
Operating Weight – lb (kg)	29,100 (13 200)	32,100 (14 600)	38,400 (17 400)	48,900 (22 200)	56,900 (25 800)
Drawbar Pull – lbf (kN)	26,100 (116)	26,100 (116)	36,100 (160)	42,300 (188)	45,000 (200)
Swing Speed – RPM	14.3	12.5	11.5	11.5	11.5
Travel Speed – mph (kph)	3.5 (5.6)	3.5 (5.6)	3.4 (5.4)	3.5 (5.6)	3.1 (5.0)
DIMENSIONS	CX130D LC	CX145D MSR	CX160D STD LC	CX210D STD LC	CX245D MSR
Overall Height with Attachment	9 ft 1 in (2 770 mm)	9 ft 4 in (2 840 mm)	9 ft 9 in (2 960 mm)	9 ft 9 in (2 980 mm)	9 ft 9 in (2 980 mm)
Cab Height	9 ft 3 in (2 830 mm)	9 ft 3 in (2 820 mm)	9 ft 9 in (2 970 mm)	9 ft 10 in (2 990 mm)	10 ft 0 in (3 040 mm)
Overall Length with Attachment	25 ft 1 in (7 650 mm)	24 ft 1 in (7 350 mm)	27 ft 9 in (8 460 mm)	30 ft 11 in (9 430 mm)	29 ft 0 in (8 830 mm)
Overall Length without Attachment	13 ft 3 in (4 030 mm)	12 ft 4 in (3 760 mm)	14 ft 6 in (4 430 mm)	16 ft 5 in (5 000 mm)	14 ft 8 in (4 470 mm)
Width of Upper Structure	8 ft 4 in (2 530 mm)	8 ft 2 in (2 490 mm)	8 ft 4 in (2 530 mm)	9 ft 1 in (2 770 mm)	9 ft 10 in (2 990 mm)
Track Overall Length	12 ft 4 in (3 760 mm)	12 ft 4 in (3 760 mm)	13 ft 1 in (3 990 mm)	14 ft 8 in (4 470 mm)	14 ft 8 in (4 470 mm)
Track Overall Width	8 ft 6 in (2 590 mm)	8 ft 6 in (2 590 mm)	8 ft 6 in (2 590 mm)	10 ft 6 in (3 190 mm)	10 ft 6 in (3 190 mm)
Track Shoe Width	2 ft 0 in (600 mm)	2 ft 0 in (600 mm)	2 ft 0 in (600 mm)	2 ft 7 in (800 mm)	2 ft 7 in (800 mm)
Upper Structure Ground Clearance	2 ft 11 in (895 mm)	2 ft 11 in (880 mm)	3 ft 4 in (1 020 mm)	3 ft 5 in (1 050 mm)	3 ft 4 in (1 020 mm)
Minimum Ground Clearance	1 ft 5 in (420 mm)	1 ft 5 in (440 mm)	1 ft 5 in (420 mm)	1 ft 5 in (440 mm)	1 ft 5 in (440 mm)
Rear Tail Swing Radius	7 ft 1 in (2 170 mm)	5 ft 0 in (1 530 mm)	8 ft 1 in (2 470 mm)	9 ft 2 in (2 790 mm)	5 ft 10 in (1 790 mm)
Maximum Digging Depth	18 ft 3 in (5 550 mm)	18 ft 1 in (5 510 mm)	19 ft 11 in (6 060 mm)	21 ft 10 in (6 650 mm)	21 ft 10 in (6 650 mm)
Maximum Reach @ Ground Level	26 ft 10 in (8 170 mm)	26 ft 8 in (8 140 mm)	29 ft 1 in (8 870 mm)	31 ft 11 in (9 730 mm)	31 ft 9 in (9 670 mm)
Other Available Configurations					



CX250D STD	CX290D MH	CX300D STD	CX350D STD	CX490D STD	CX500D ME	CX750D STD
Isuzu AQ-4HK1X	Isuzu AQ-4HK1X	Isuzu AQ-6HK1X	Isuzu AQ-6HK1X	Isuzu AQ-6UZ1X	Isuzu AQ-6UZ1X	Isuzu AQ-6WG1X
4	4	6	6	6	6	6
317 (5.2)	317 (5.2)	475 (7.8)	475 (7.8)	600 (9.8)	600 (9.8)	957 (15.7)
177 (132.1)	177 (132.1)	207 (154)	268 (200)	362 (270)	362 (270)	512 (382)
458 (621)	458 (621)	626 (849)	729 (988)	1,005 (1 363)	1,005 (1 363)	1,623 (2 200)
39,570 (176)	–	42,780 (190)	56,160 (250)	60,700 (270)	70,400 (313)	75,090 (334)
29,230 (130)	–	31,380 (140)	40,200 (179)	49,500 (220)	60,000 (267)	63,621 (283)
56,900 (25 800)	72,100 (32 700)	67,200 (30 500)	82,400 (37 400)	109,300 (49 600)	111,800 (50 700)	158,300 (71 800)
45,000 (200)	44,100 (196)	52,400 (233)	61,400 (273)	76,200 (339)	76,000 (338)	101,000 (449)
10.6	11.0	10	9.7	9.1	9.1	6.7
3.4 (5.5)	3.4 (5.5)	3.4 (5.4)	3.4 (5.5)	3.3 (5.3)	3.3 (5.3)	2.7 (4.3)
CX250D STD	CX290D MH	CX300D STD	CX350D STD	CX490D STD	CX500D ME	CX750D STD
10 ft 6 in (3 200 mm)	10 ft 0 in (3 040 mm)	11 ft 0 in (3 350 mm)	11 ft 5 in (3 470 mm)	12 ft 0 in (3 650 mm)	12 ft 6 in (3 800 mm)	14 ft 2 in (4 320 mm)
10 ft 0 in (3 050 mm)	10 ft 6 in (3 190 mm)	10 ft 3 in (3 130 mm)	10 ft 5 in (3 180 mm)	10 ft 11 in (3 320 mm)	10 ft 11 in (3 320 mm)	11 ft 6 in (3 510 mm)
32 ft 5 in (9 880 mm)	33 ft 7 in (10 230 mm)	34 ft 6 in (10 510 mm)	36 ft 8 in (11 170 mm)	39 ft 8 in (12 090 mm)	38 ft 4 in (11 680 mm)	43 ft 10 in (13 370 mm)
17 ft 3 in (5 270 mm)	17 ft 6 in (5 330 mm)	18 ft 4 in (5 580 mm)	19 ft 9 in (6 010 mm)	21 ft 2 in (6 450 mm)	21 ft 2 in (6 450 mm)	22 ft 10 in (6 960 mm)
9 ft 1 in (2 770 mm)	9 ft 9 in (2 970 mm)	9 ft 6 in (2 890 mm)	9 ft 11 in (3 030 mm)	10 ft 0 in (3 060 mm)	10 ft 0 in (3 060 mm)	12 ft 2 in (3 700 mm)
15 ft 3 in (4 650 mm)	15 ft 4 in (4 680 mm)	15 ft 11 in (4 850 mm)	16 ft 4 in (4 980 mm)	17 ft 11 in (5 450 mm)	17 ft 11 in (5 450 mm)	19 ft 3 in (5 880 mm)
11 ft 1 in (3 390 mm)	10 ft 6 in (3 190 mm)	11 ft 2 in (3 400 mm)	11 ft 2 in (3 400 mm)	12 ft 0 in (3 650 mm)	12 ft 0 in (3 650 mm)	13 ft 11 in (4 250 mm)
2 ft 7 in (800 mm)	2 ft 0 in (600 mm)	2 ft 7 in (800 mm)	2 ft 7 in (800 mm)	2 ft 11 in (900 mm)	2 ft 11 in (900 mm)	2 ft 11 in (900 mm)
3 ft 7 in (1 100 mm)	3 ft 9 in (1 140 mm)	3 ft 11 in (1 190 mm)	4 ft 0 in (1 210 mm)	4 ft 4 in (1 330 mm)	4 ft 4 in (1 330 mm)	4 ft 11 in (1 500 mm)
1 ft 5 in (440 mm)	1 ft 8 in (500 mm)	1 ft 6 in (460 mm)	1 ft 7 in (470 mm)	1 ft 9 in (535 mm)	1 ft 9 in (535 mm)	2 ft 8 in (825 mm)
9 ft 8 in (2 950 mm)	9 ft 8 in (2 950 mm)	10 ft 4 in (3 160 mm)	11 ft 8 in (3 550 mm)	12 ft 3 in (3 730 mm)	12 ft 3 in (3 730 mm)	13 ft 3 in (4 050 mm)
22 ft 8 in (6 900 mm)	11 ft 10 in (3 610 mm)	23 ft 4 in (7 100 mm)	24 ft 1 in (7 340 mm)	25 ft 4 in (7 720 mm)	21 ft 4 in (6 490 mm)	27 ft 7 in (8 400 mm)
33 ft 2 in (10 100 mm)	37 ft 5 in (11 410 mm)	34 ft 5 in (10 490 mm)	36 ft 0 in (10 980 mm)	38 ft 7 in (11 750 mm)	34 ft 7 in (10 550 mm)	42 ft 0 in (12 810 mm)





BUILDING A STRONG CASE.

Since 1842, we at CASE Construction Equipment have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity. We continually strive to make it easier for our customers to implement emerging technologies and new compliance mandates.

Today, our global scale combined with our local expertise enables us to keep customers' real-world challenges at the center of our product development. This focus has led to numerous innovations like Ride Control™, EZ-EH controls, blade shake, PowerLift™, over-center boom design and the peace of mind that only CASE ProCare provides.

Every CASE machine is backed by more than 300 North American dealer locations, thousands of OEM, remanufactured and all-makes parts, and flexible financing and insurance options that provide the kind of reliable, steadfast support you expect from a professional partner.

We are passionate about improving the lives of others, whether investing in our veterans or raising awareness about local infrastructure initiatives through Dire States. Our goal is to build both stronger machines — and stronger communities.

At the end of the day, we do what's right by our customers and our communities so that they can count on CASE.

CaseCE.com/DSeries

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Replaces Form No. CCE201811DEXC

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CASE Construction Equipment is biodiesel-friendly
NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.