

**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.

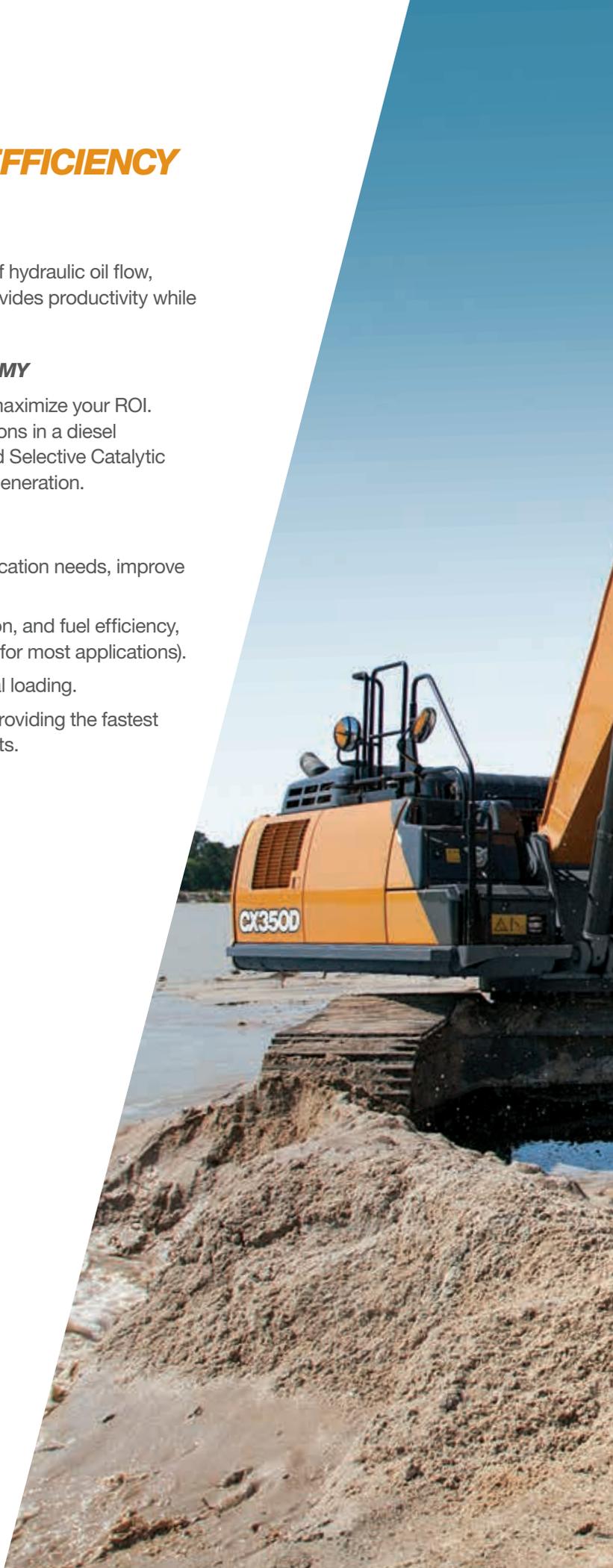
## **TIER 4 FINAL SCR PROVIDES SUPERIOR FUEL ECONOMY**

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.

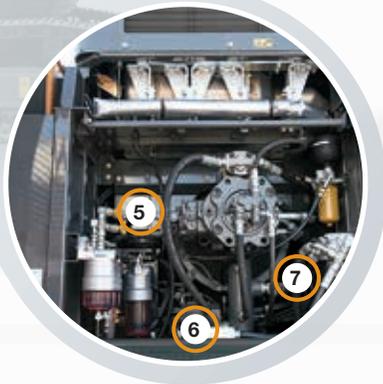
## CASE EASY MAINTENANCE SYSTEM (EMS)

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





CASE

CASE

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.

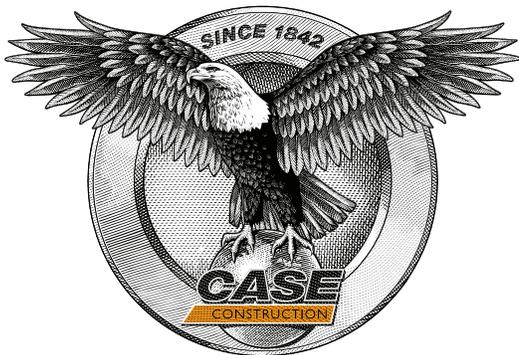
# SPECIFICATIONS AND DIMENSIONS

SPECIFICATIONS	CX130D LC	CX145D MSR	CX160D STD LC	CX210D STD LC	CX245D MSR
<b>Engine</b>	Isuzu AR-4JJ1X	Isuzu AR-4JJ1X	Isuzu AR-4JJ1X	Isuzu AR 4HK1X	Isuzu AR-4HK1X
<b>Engine Cylinders</b>	4	4	4	4	4
<b>Displacement – in<sup>3</sup> (L)</b>	183 (3)	183 (3)	183 (3)	317 (5.2)	317 (5.2)
<b>Net Horsepower – hp (kW)</b>	102 (76.4)	102 (76.4)	112 (83.2)	160 (119.3)	160 (119.3)
<b>Torque – lbf-ft (N-m)</b>	257 (349)	257 (349)	257 (349)	457 (620)	457 (620)
<b>Bucket Digging Force – lbf (kN)</b>	21,400 (95)	21,400 (95)	26,500 (118)	34,600 (154)	34,600 (154)
<b>Arm Digging Force – lbf (kN)</b>	14,800 (66)	14,800 (66)	18,800 (84)	25,100 (112)	25,100 (112)
<b>Operating Weight – lb (kg)</b>	29,100 (13 200)	32,100 (14 600)	38,400 (17 400)	48,900 (22 200)	56,900 (25 800)
<b>Drawbar Pull – lbf (kN)</b>	26,100 (116)	26,100 (116)	36,100 (160)	42,300 (188)	45,000 (200)
<b>Swing Speed – RPM</b>	14.3	12.5	11.5	11.5	11.5
<b>Travel Speed – mph (kph)</b>	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
<b>Overall Height with Attachment</b>	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)
<b>Cab Height</b>	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)
<b>Overall Length with Attachment</b>	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)
<b>Overall Length without Attachment</b>	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)
<b>Width of Upper Structure</b>	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)
<b>Track Overall Length</b>	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)
<b>Track Overall Width</b>	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)
<b>Track Shoe Width</b>	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)
<b>Upper Structure Ground Clearance</b>	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)
<b>Minimum Ground Clearance</b>	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)
<b>Rear Tail Swing Radius</b>	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)
<b>Maximum Digging Depth</b>	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)
<b>Maximum Reach @ Ground Level</b>	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)
<b>Other Available Configurations</b>					



<b>CX250D STD</b>	<b>CX290D MH</b>	<b>CX300D STD</b>	<b>CX350D STD</b>	<b>CX490D STD</b>	<b>CX500D ME</b>	<b>CX750D STD</b>
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)
<b>CX250D STD</b>	<b>CX290D MH</b>	<b>CX300D STD</b>	<b>CX350D STD</b>	<b>CX490D STD</b>	<b>CX500D ME</b>	<b>CX750D STD</b>
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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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.