

C-SERIES MINI EXCAVATORS
CX17C | CX19C

CASE
CONSTRUCTION



**READY FOR THE
CHALLENGE**

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EXPERTS FOR THE REAL WORLD
SINCE 1842

CASE BRAND HERITAGE MORE THAN 175 YEARS OF PRIDE AND COMMITMENT

GET THE JOB DONE WITH EASE



EXPERTS FOR THE REAL WORLD SINCE 1842

- 1842** Jerome Increase Case founded Racine Threshing Machine Works in Racine, Wisconsin, USA.
- 1912** CASE manufactures road building equipment.
- 1969** CASE begins skid steer loader production.
- 1988** CASE recognized by Fortune magazine: listed by Fortune magazine among the "100 Products America Makes Best."
- 1995** CASE expands attachment offering: co-branding and supply agreements with several key attachment suppliers.
- 2011** CASE leads Tier 4 solutions.
- 2011** Long Enters Hall of Fame: CASE engineer, "father of the loader/backhoe", is inducted into the Construction Equipment Hall of Fame.
- 2016** CASE starts the production of C-Series mini excavators.



DESIGNED TO SAVE YOUR TIME

Agility is the name of the game

- **Reaching the jobsite:** easy with variable undercarriage width. Quick folding of blade extensions.
- **Digging:** superior hydraulic flow delivers unparalleled digging efficiency. (+ 5% vs B-Series).
 - Excellent boom swing angles (CX17C left/right: 70/54; CX19C left/right: 60/60) contribute to high versatility.
 - Choice of short and long arms available to match customer needs: high breakout force or outstanding digging depth and reach.
- **Loading:** superior dump height together with ample bucket rollback angle result efficient truck loading and maximum material retention.
- **Dozing:** blade height (250 mm) and blade maximum lifting height (285 mm) are best-in-class on CX17C.
- **Lifting:** CX19C is a conventional model with superior lifting capacity. CX17C can be fitted with an additional bolt-on counterweight that further increases stability and lifting capacity.
- **Travel:** CX17C and CX19C have the standard «auto shift-down» feature that optimizes travel speed and traction. Travelling in 2nd speed the machine automatically shifts to 1st gear if it needs more traction, and then automatically shifts back to 2nd gear when no extra traction is required.
- **Transportation:** convenient tie-down points make transportation easy and safe.

CX19C CAB



CX17C CANOPY



COMFORT COUNTS

Ergonomic operator station with suspension seat

- CASE CX17C and CX19C feature smooth pilot controls, ergonomically placed joysticks and adjustable wrist rests that make it easy and pleasant to operate them.
- Accessibility to the operator compartment is easy; operators can access the CX19C from both sides
- The suspension seat is standard on both models.



SAFETY FIRST

C-Series Minis: no compromise on safety

- **TOPS / FOPS:** CX17C complies with Tip-Over and Falling Objects -Protective-Structure requirements.
- **TOPS / FOPS / ROPS:** CX19C complies with Tip-Over, Falling Objects and Roll-Over Protective-Structure requirements.
- **Emergency stop switch:** CX17C and CX19C have as a standard feature a switch that immediately stops the engine in case of an emergency.
- **Pilot system with accumulator:** this standard feature allows the operator to put the attachment down safely even with engine turned off for greater safety.
- **Travel alarm:** an acoustic alarm alerts the people near the machine when it moves forward or backward. This feature is optional on every model.
- **Double-flange rollers:** de-tracking can be dangerous for the operator and the people near the machine. CASE C-Series minis have a double-flange roller design that minimizes the risk of de-tracking.
- **Zero Tail Swing (ZTS):** the ZTS design (CX17C only) means no risk of hitting obstacles with the rear of the machine when swinging, and creates less obstruction to road traffic.
- **Standard anti-theft:** for a safe storage of the machine, all models are equipped with a standard Engine Start Limitation, that, if activated, requires the input of a password to start the machine.



MODERN AND FUNCTIONAL CLUSTER

Easy-to-read digital cluster

The digital cluster is easy to read, confers a modern look to the operator station and provides useful information:

- Gauges: fuel level, engine coolant temperature
- Info and warning lamps: hydraulic QC lamp, travel speed, engine coolant temperature, engine oil pressure, battery charging, low fuel level



PEACE OF MIND

ESL Anti-theft

- All C-Series minis are equipped with a standard anti-theft. It is an Engine Start Limitation (ESL) requiring a 5-digit code that can be set by the operator
- 3 possible settings:
 1. Always: ESL is engaged every time the machine is shut off
 2. Interval: ESL is engaged after a pre-defined interval of shut off engine
 3. Disabled ESL: ESL is not active



All models are Site Watch telematics pre-wired.

MAIN REASONS TO CHOOSE THE C-SERIES



360° VISIBILITY

- 2-post canopy design (CX17C)
- Large glazed area on CX19C cab version



SAFETY FIRST

- TOPS / FOPS / ROPS certified Cab and Canopy (CX19C)
- TOPS / FOPS certified Canopy (CX17C)
- Emergency stop switch
- Pilot circuit with accumulator



COMFORT COUNTS

- Proportional auxiliary hydraulics control
- Digital cluster
- Suspension seat



EASY SERVICEABILITY

- Easy access to battery, hydraulic valves and all regular service components
- Easy-to-read check points on right side
- Two-piece blade hydraulic hose (CX17C)



VARIABLE TRACK GAUGE

- Hydraulically retractable tracks
- Inner routing of hydraulic hoses (CX17C)



GREAT RELIABILITY

- X-frame undercarriage
- Cylinder protections
- Low risk of de-tracking with double-flange rollers



EXCELLENT WORKING RANGE

- Long and short arms available
- Ample boom swing angles
- Ample bucket rollback angle



HIGH VERSATILITY

- Offering of integrated attachments
- Mono or bi-directional hydraulic oil flow
- Additional counterweight available (CX17C)



BLADE EFFECTIVENESS

- 2-pin blade folding design
- Superior blade height and lift



EASY TO TRANSPORT

- Tie down hooks
- Less than 1,0 meter wide with retracted undercarriage



OPTIMIZED TRACTION AND SPEED

- Auto shift-down

C-SERIES MINI EXCAVATORS

**GET THE JOB DONE NOW
AND FOR MANY YEARS TO COME**



GREAT RELIABILITY: A GIVEN ON CASE EXCAVATORS

World class components

- **World class components:** C-Series minis are designed for reliability, components are sourced from the best suppliers on the market. The result: simply highly reliable machines.
- **Boom and arm reinforced mounting pin:** the pivot pin that holds boom and arm together is a critical point on any excavator. On CASE C-Series the pin is secured from both sides minimizing the risk of play between boom and arm.
- **Protected travel motor hoses:** travel motor hoses are well protected inside the track frame.
- **Protected cylinders:** boom, arm, bucket and blade cylinders are well protected with a steel cover.



EASY AND SAFE SERVICEABILITY

Grouped service points under the hood

C-Series are designed for serviceability:

- Rationalized service points layout
- Convenient check points on left side of the excavator
- Easy-to-remove side panels for full maintenance and repair access
- Two-piece blade hydraulic hoses (CX17C)
- Extended life of components:
Hydraulic oil: 5000h, Bushings and Hydraulic filters: 250h

STANDARD EQUIPMENT

Short arm (960 mm)
 Rubber tracks 230 mm
 TOPS / FOPS certified Canopy (CX17C)
 TOPS / FOPS /ROPS certified Cab / Canopy (CX19C)
 Emergency stop switch
 Pilot system with accumulator
 2 speed travel with auto shift-down system
 1st auxiliary 2-way circuit controlled with pedal
 Foldable boom swing pedal
 Variable undercarriage with extendable dozer blade
 Suspension seat with seatbelt
 Standard anti-theft with interval setting function
 Waterproof digital instrument cluster
 Centralized greasing inlet

OPTIONAL EQUIPMENT

Long arm (1120 mm)
 1st auxiliary 2-way circuit controlled with joystick
 Hydraulic quick coupler provision
 Beacon (CX17C and CX19C Cab)
 Travel alarm
 Additional counterweight (CX17C)
 Radio with USB (CX19C Cab)
 Halogen working lights
 LED working lights
 Bio hydraulic oil

Standard and Optional equipment may vary. Consult your CASE dealer for details.

C-SERIES MINI EXCAVATORS

SPECIFICATIONS

| ENGINE | CX17C | CX19C |
|---------------------------------------------|-------------------|-------------------|
| Model | Kubota D902 | Kubota D902 |
| Displacement (cm ³) | 898 | 898 |
| Rated gross horse power (hp/kW) (ISO 14396) | 16.8 | 16.8 |
| @ rpm | 2300 | 2300 |
| Max torque (Nm/rpm) | 54 / 1900 | 54.6 / 1800 |
| Emissions level | Tier 4F / Stage V | Tier 4F / Stage V |

HYDRAULIC SYSTEM

| | | |
|------------------------------------------|----------|----------|
| Variable displacement axial piston pumps | | |
| - Pump delivery (l/min) | 2 x 18.8 | 2 x 18.8 |
| - Pressure (bar) | 210 | 210 |
| Gear pump delivery | | |
| - Pump delivery (l/min) | 11.3 | 11.3 |
| - Pressure (bar) | 170 | 170 |
| 1 st Auxiliary 2-way Circuit | | |
| - Pump delivery (l/min) | 30.1 | 28.8 |
| - Pressure (bar) | 170 | 170 |

| SLEWING & TRAVEL SPEED | CX17C | CX19C |
|-----------------------------------------------|-----------|-----------|
| Slewing speed (rpm) | 9.5 | 9.9 |
| Boom slewing angle (left/right) | 70° / 54° | 60° / 60° |
| Travel Speed - Low (1 st) (km/h) | 2.1 | 2.1 |
| Travel Speed - High (2 nd) (km/h) | 4.3 | 4.2 |

OPERATING WEIGHT & GROUND PRESSURE

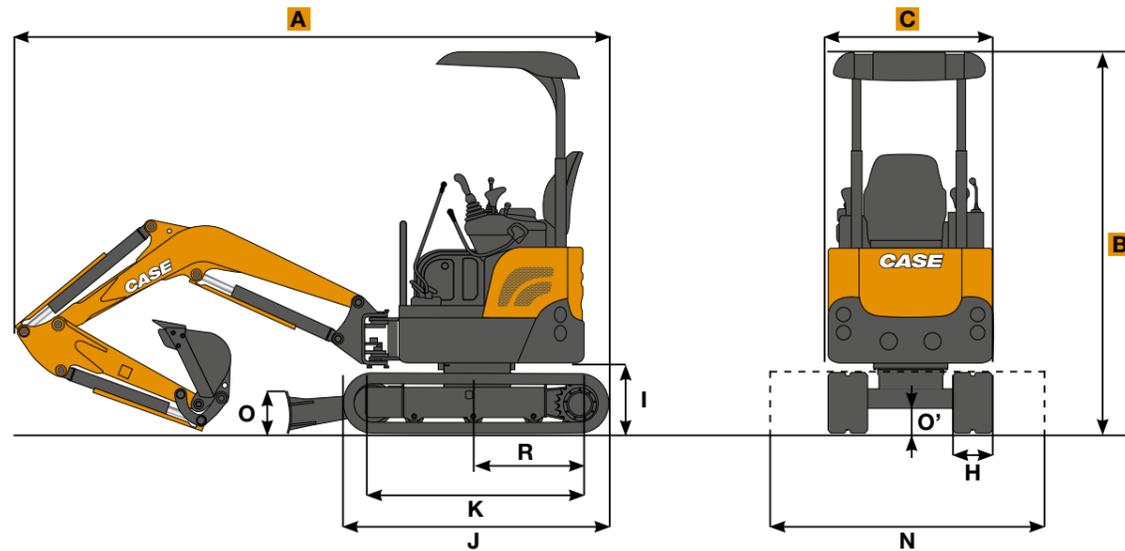
(Operating weight includes operator, full fuel tank and one bucket)

| | | |
|-----------------------------------------------|------|------|
| Cab (kg) | N/A | 1995 |
| Canopy (kg) | 1770 | 1855 |
| Ground pressure Cab (kgf/cm ²) | N/A | 0.32 |
| Ground pressure Canopy (kgf/cm ²) | 0.25 | 0.30 |

TRANSPORT FEATURE

(weight is with full fuel tank, without operator, without bucket)

| | | |
|--------------------------|--------------|-------------|
| Weight (Cab) (kg) | - | 1905 |
| Weight (Canopy) (kg) | 1680 | 1765 |
| A Max length (mm) | 3480 3510* | 3840 3855 |
| B Max height (mm) | 2320 | 2300 |
| C Max width (mm) | 990~1300 | 980~1250 |



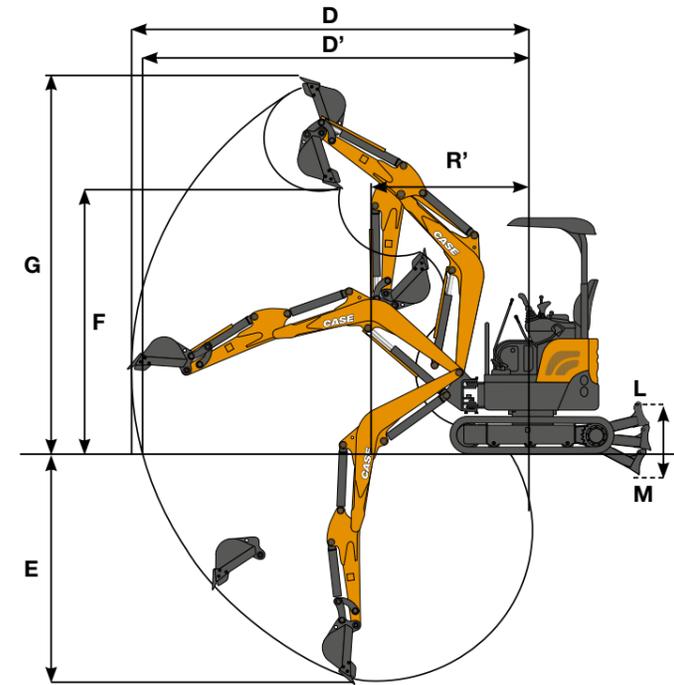
GENERAL DIMENSIONS

| | | CX17C | CX19C | |
|----|------------------------------------|-------|-------------|-------------|
| R | Rear end swing radius | mm | 645 | 1065 |
| R' | Min front slew radius (Cab/Canopy) | mm | 1570 - 1600 | 1615 - 1660 |
| H | Track width | mm | 230 | 230 |
| I | Ground clearance of rear end | mm | 440 | 415 |
| J | Overall Length of Crawler | mm | 1590 | 1590 |
| K | Center distance of tumblers | mm | 1230 | 1230 |
| L | Blade max lifting | mm | 285 | 170 |
| M | Blade max lowering | mm | 225 | 240 |
| N | Blade width | mm | 990~1300 | 980~1250 |
| O | Blade height | mm | 250 | 250 |
| O' | Ground clearance of undercarriage | mm | 170 | 150 |

SPECIFICATIONS

DIGGING PERFORMANCES

| | | CX17C | | CX19C | | |
|----------------------------------|---------------------------------|-------|------|-------|------|------|
| Dipperstick | mm | 960 | 1120 | 960 | 1120 | |
| Dipperstick Breakout force (ISO) | kN | 8.5 | 7.6 | 9.4 | 8.5 | |
| Bucket Breakout force (ISO) | kN | 15.5 | 15.5 | 15.1 | 15.1 | |
| D | Max reach | mm | 3900 | 4030 | 3960 | 4110 |
| D' | Max reach at ground level | mm | 3800 | 3940 | 3870 | 4020 |
| E | Max digging depth | mm | 2200 | 2350 | 2245 | 2405 |
| F | Max dump clearance (Cab/Canopy) | mm | 2570 | 2670 | 2575 | 2680 |
| G | Max digging height (Cab/Canopy) | mm | 3580 | 3680 | 3675 | 3785 |



LIFTING CAPACITIES

| Lift point height | Arm | LIFT-POINT RADIUS | | |
|-------------------|-----|-------------------|-------|-------|
| | | 1.5 m | 2.0 m | 2.5 m |
| | | | | |

CX17C Canopy

| Lift point height | kg | LIFT-POINT RADIUS | | | | | |
|-------------------|------------|-------------------|-------|-------|-------|------|-----|
| | | 1.5 m | 2.0 m | 2.5 m | 3.0 m | | |
| 1.0 m | Blade up | | 430 | 430 | 300 | 310 | |
| | Blade down | | *620 | 460 | *470 | 330 | |
| 0.0 m | Blade up | *600 | *600 | 390 | 390 | 280 | 290 |
| | Blade down | *600 | *600 | *820 | 420 | *580 | 300 |
| -1.0 m | Blade up | 630 | 630 | 390 | 390 | 280 | 280 |
| | Blade down | *1060 | 680 | *720 | 420 | *520 | 300 |

CX19C Canopy

| Lift point height | kg | LIFT-POINT RADIUS | | | | | |
|-------------------|------------|-------------------|-------|-------|-------|------|-----|
| | | 1.5 m | 2.0 m | 2.5 m | 3.0 m | | |
| 1.0 m | Blade up | | 530 | 490 | 380 | 350 | |
| | Blade down | | *660 | 520 | *500 | 370 | |
| 0.0 m | Blade up | *630 | *630 | 490 | 450 | 360 | 330 |
| | Blade down | *630 | *630 | *900 | 480 | *630 | 350 |
| -1.0 m | Blade up | 790 | 710 | 490 | 450 | 350 | 330 |
| | Blade down | *1220 | 770 | *810 | 480 | *590 | 350 |

All models are equipped with long arm, no bucket, std counterweight, rubber tracks
ISO 10567: Lifting capacity does not exceed 75% of tipping load or 87% of full hydraulic capacity.

* Indicates load limited by hydraulic capacity

ATTACHMENTS

CASE offers an integrated range of attachments

- Standard buckets from 0.025 to 0.060 m³ SAE Heaped capacity (width from 250 to 600 mm)
- Ditch cleaning buckets
- Mechanical and hydraulic quick couplers
- Hydraulic hammers



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NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your Case dealer. Furthermore, CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

Conforms to directive 2006/42/EC

CASE
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The call is free from a land line.
Check in advance with your Mobile Operator if you will be charged. Toll free number not available from all calling areas.

