

CX85E



## MIDI EXCAVATORS

### E-Series



Engine 4TNV98CT  
Engine power 53.7 kW - 72.0 hp  
Operating weight 8830 kg

# SPECIFICATIONS

## CX85E

### ENGINE

Type YANMAR 4TNV98CT - STAGE 5  
 Max. Power (2300 rpm) (kW / hp) 53.7 - 72.0  
 Displacement (cm<sup>3</sup>) 3319  
 Number of cylinders (n°) 4  
 Cooling Liquid  
 Consumption (l/h) 9.3  
 Alternator (V) 12 (80 A)  
 Battery V (Ah) 12 (100)

### HYDRAULIC SYSTEM

Circuit Type eHPQ Rexroth system  
 Pump type 1 electronic pump (EOC) with variable flow rate  
+ 1 gear pump on engine PTO (FAN DRIVE)  
 Pump displacement (cm<sup>3</sup>) 100  
 Pump capacity (l/min) 192  
 Max. circuit calibration pressure (bar) 290  
 Auxiliary system (max pressure):  
 AUX 1 single or double effect 160 - 200 bar  
 with priority (l/min) 110/60 - 290 bar  
 AUX 2 double effect (l/min) 50 - 250 bar  
 AUX 3 double effect optional (l/min)

### SLEWING & TRAVEL SPEED

Travelling speed  
 (AUTO TWO SPEED) (km/h) 1<sup>st</sup> : 0 ÷ 2.6 / 2<sup>nd</sup> : 0 ÷ 5.2  
 Slew speed (rpm) 9.5

### CONTROLS

Boom, dipper stick, bucket and turret swing 2 joysticks  
 Track movements (included counter rotation) 2 levers/joystick steering  
 Dozer blade lever  
 Priority auxiliary system with holding function  
 AUX 1 (single or double effect) electroproportional switch on right joystick  
 Auxiliary system AUX 2 (double effect) electroproportional switch on right joystick

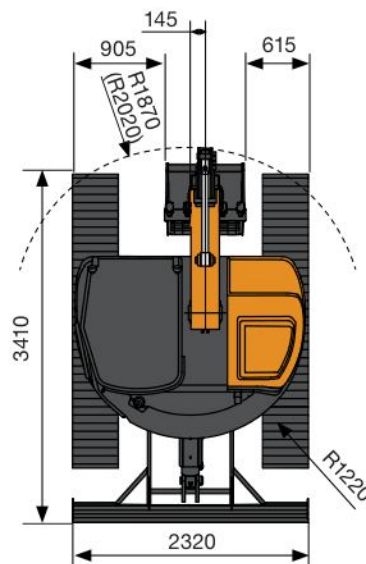
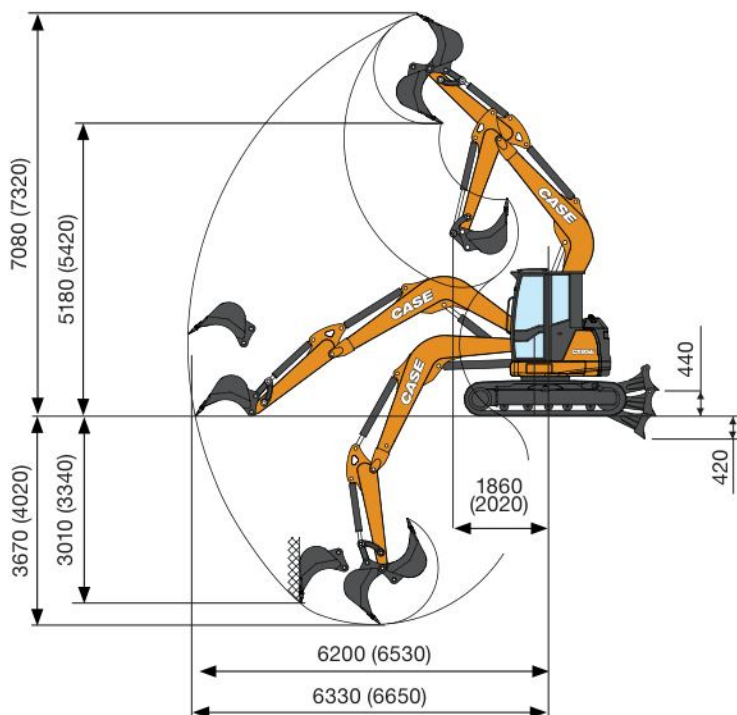
Low priority auxiliary system  
 AUX 3 (double effect) electroproportional switch on left joystick

### WEIGHTS

Transport Weight with rubber tracks (kg) 8500  
 Operating weight with rubber tracks ISO 6016 (kg) 8830

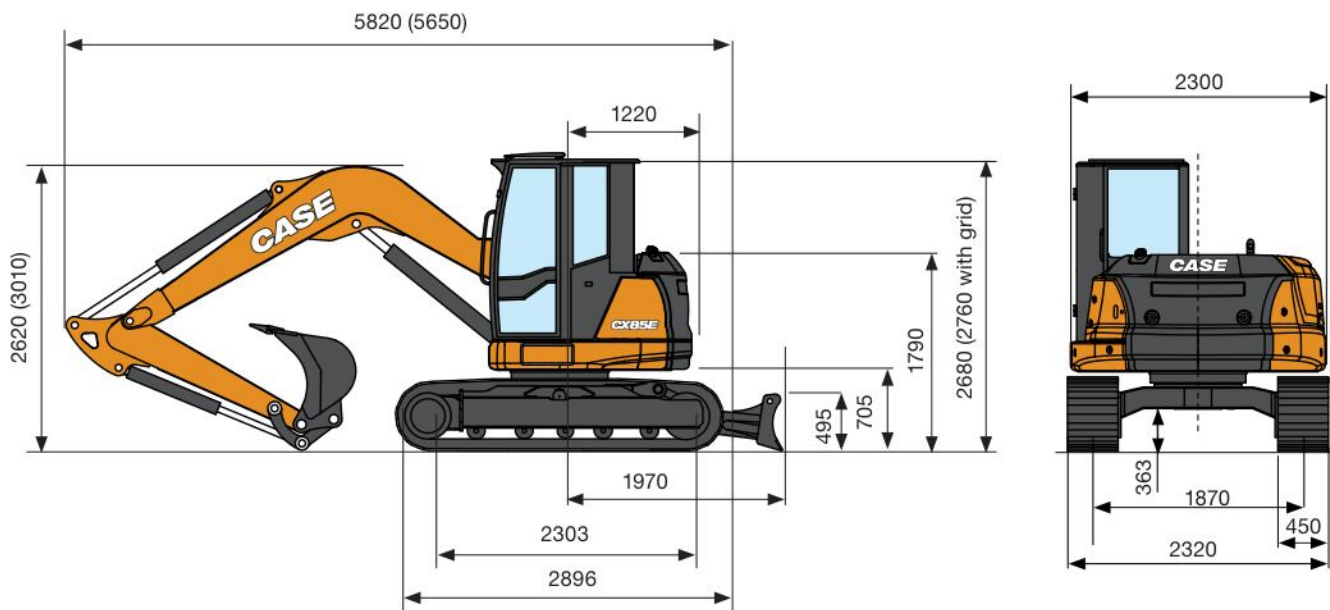
### CIRCUIT AND COMPONENT CAPACITIES

Fuel tank (l) 105  
 Hydraulic oil tank (l) 85  
 Hydraulic circuit capacity (l) 135  
 Cooling system capacity (l) 23  
 Engine oil (l) 10



| PERFORMANCE DATA                           |                    | Std. Arm<br>1760 mm | Opt. Arm<br>2110 mm |
|--------------------------------------------|--------------------|---------------------|---------------------|
| Max. digging depth                         | mm                 | 3670                | 4020                |
| Max. dumping height                        | mm                 | 5180                | 5420                |
| Bucket breaking force ISO 6015             | daN                | 6300                |                     |
| Arm breaking force ISO 6015                | daN                | 4350                | 3850                |
| Traction force                             | daN                | 7960                |                     |
| Ground bearing pressure with rubber tracks | kg/cm <sup>2</sup> | 0.39                |                     |
| Max. slope                                 |                    | 60% - 30°           |                     |

## SPECIFICATIONS



## GENERAL DIMENSIONS

|                                                |    |             |
|------------------------------------------------|----|-------------|
| Maximum width                                  | mm | 2320        |
| Total height                                   | mm | 2680        |
| Tracks width                                   | mm | 450         |
| Rear rotation radius                           | mm | 1220        |
| Digging arm length standard (optional)         | mm | 1760 (2110) |
| Rollers number (for each side) (rubber tracks) | n° | 5/1         |
| Rollers number (for each side) (steel tracks)  | n° | 6/1         |

## LIFTING CAPACITY

Opening arm from the rotation's center (m)

Lifting capacity (kg) at 1 m height

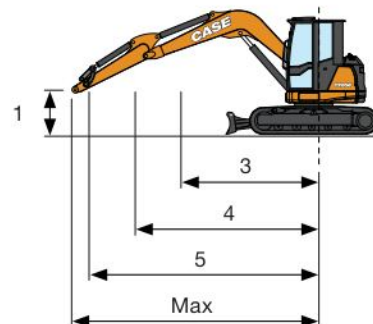
Standard counterweight

| LIFTING CAPACITY                | 3     | 4     | 5     | Max   |
|---------------------------------|-------|-------|-------|-------|
| Frontal and lowered dozer blade | 4420* | 3250* | 2610* | 2420* |
| Frontal and lifted dozer blade  | 3540  | 2270  | 1630  | 1470  |
| Lateral                         | 2750  | 1820  | 1320  | 1200  |

\* Indicates the hydraulic load limit.

The lifting capacity is based on the ISO 10567 and it does not exceed more than the 75% of static tipping load or more than the 87% of the hydraulic lifting capacity of the machine.

Standard dipper stick L = 1760 mm



# STANDARD AND OPTIONS

## STANDARD EQUIPMENT

- + Tilttable Cab (ROPS/TOPS - FOPS Level 1)
- + Automatic Air Conditioning and Heating
- + Automatic Courtesy light
- + DAB Radio, Bluetooth, USB, Aux-in (cab only)
- + Electric socket on the roof for Rotating Beacon
- + Windshield washer
- + Rear-view mirrors (left, right, rear)
- + Fabric seat with Premium Mechanical suspension
- + Standard arm
- + Boom Lift cylinder and dozer blade cylinder protection
- + Standard counterweight
- + Rear view camera
- + Air Filter with drain valve and electric anti-clogging indicator
- + Hydraulic Reversible Fan Drive with automatic functionality
- + Electric fuel refill pump with auto-stop function
- + 1<sup>st</sup> Auxiliary (AUX1) circuit with electro-proportional control
- + 2<sup>nd</sup> Auxiliary (AUX2) circuit with electro-proportional control
- + Digital cluster with AUX1, AUX2 and AUX3 flow settings
- + Block valves on swing cylinder
- + Electric diverter between Single effect and Double effect AUX1
- + Pattern change
- + Direct Drainage to tank
- + 2 speed travel with Automatic Shift Down (from 2<sup>nd</sup> to 1<sup>st</sup> gear if more traction is required) and Shift-up
- + Electronic Proportional RPM control with Auto-Idle
- + Rubber tracks
- + Standard Dozer Blade
- + Operator manual
- + Ignition key, which opens every machine lock
- + Standard LED working lights (boom, right-front hood and cab-front)
- + Extra LED working lights (cab-rear)
- + Battery disconnect switch
- + Variable Volume Pump
- + Standard Hydraulic oil and Lubricants
- + CASE Sitewatch and SiteConnect
- + ROPS/TOPS - FOPS Level 2 grid
- + Object handling kit (block valves on boom and arm, lifting hook and load chart)

## OPTIONAL EQUIPMENT

- + Anti-Theft
- + Fabric seat with Pneumatic suspension
- + Fabric seat with Pneumatic suspension and Heating
- + Travel alarm
- + Long arm
- + Additional counterweight - Light
- + Additional counterweight - Heavy
- + Additional counterweight - Light + Heavy
- + 3<sup>rd</sup> Auxiliary (AUX3) circuit with electro-proportional control
- + Block valves on dozer blade cylinder
- + Steel tracks 450 mm
- + Steel tracks with pad 450 mm
- + Steel tracks 600 mms
- + 6X1 (Angle/Tilt) Dozer Blade
- + Dozer Float
- + Rotating beacon
- + Bio Hydraulic oil and Lubricants
- + Automatic Centralized Lubrication
- + Constant flow provision (i.e. for Mulcher): max constant flow of 62 l/min at 180 bar
- + Hydraulic quick coupler provision (Single or Double Effect)
- + Mechanical and Hydraulic quick couplers
- + Buckets

## CASE AFTERMARKET SOLUTIONS

- + Superior Protection grid (FOPS Level 2)
- + Front Protection grid (Level 2)
- + Arm cylinder and bucket cylinder protection
- + Rubber pads for steel tracks
- + Geogrip tracks
- + Vast variety of attachments
- + Full range of Mechanical and Hydraulic quick couplers
- + Full range of Buckets

**CNH Industrial**  
Deutschland GmbH  
Case Baumaschinen  
Benzstr. 1-3 - D-74076 Heilbronn  
DEUTSCHLAND

**CNH Industrial**  
Maquinaria Spain, S.A.  
Avenida Aragón 402  
28022 Madrid - ESPAÑA

**CNH Industrial France, S.A.**  
16-18 Rue des Rochettes  
91150 Morigny-Champigny  
FRANCE

**CNH Industrial Italia Spa**  
Lungo Stura Lazio 19  
10156, Torino  
ITALIA

**CASE Construction Equipment**  
Cranes Farm Rd  
Basildon - SS14 3AD  
UNITED KINGDOM

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

**CASECE.COM**  
**00800-2273-7373**

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.