

CX85E



## MIDI EXCAVATORS

### E-Series



Engine 4TNV98CT  
Engine power 53.7 kW - 73.0 hp  
Operating weight 8830 kg

## SPECIFICATIONS

## ENGINE

Type	YANMAR 4TNV98CT - STAGE 5
Max. Power (2300 rpm) (kW / hp)	53.7 - 73.0
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

**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  
with priority (l/min) \_\_\_\_\_ 180 - 290 bar

AUX 2 double effect (l/min) \_\_\_\_\_ 64/115 - 290 bar

AUX 3 double effect optional (l/min) \_\_\_\_\_ 50 - 290 bar

## SLEWING & TRAVEL SPEED

Travelling speed  
(AUTO TWO SPEED) (km/h) \_\_\_\_\_ 1<sup>st</sup> :  $0 \div 2.6$  / 2<sup>nd</sup> :  $0 \div 5.2$   
Slew speed (rpm) \_\_\_\_\_ 10

## 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

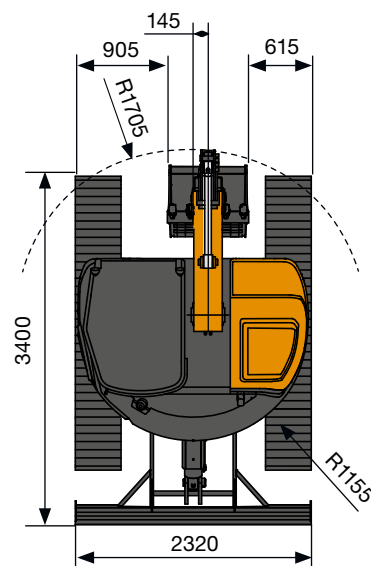
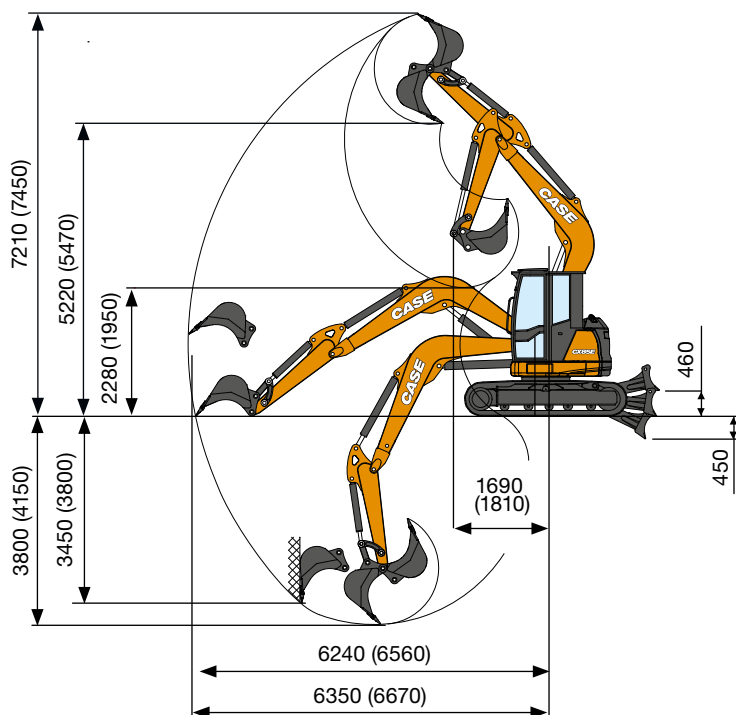
Low priority auxiliary system  
AUX 3 (double effect) \_\_\_\_\_electroproportional  
switch on left joystick

## WEIGHTS

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

## CIRCUIT AND COMPONENT CAPACITIES

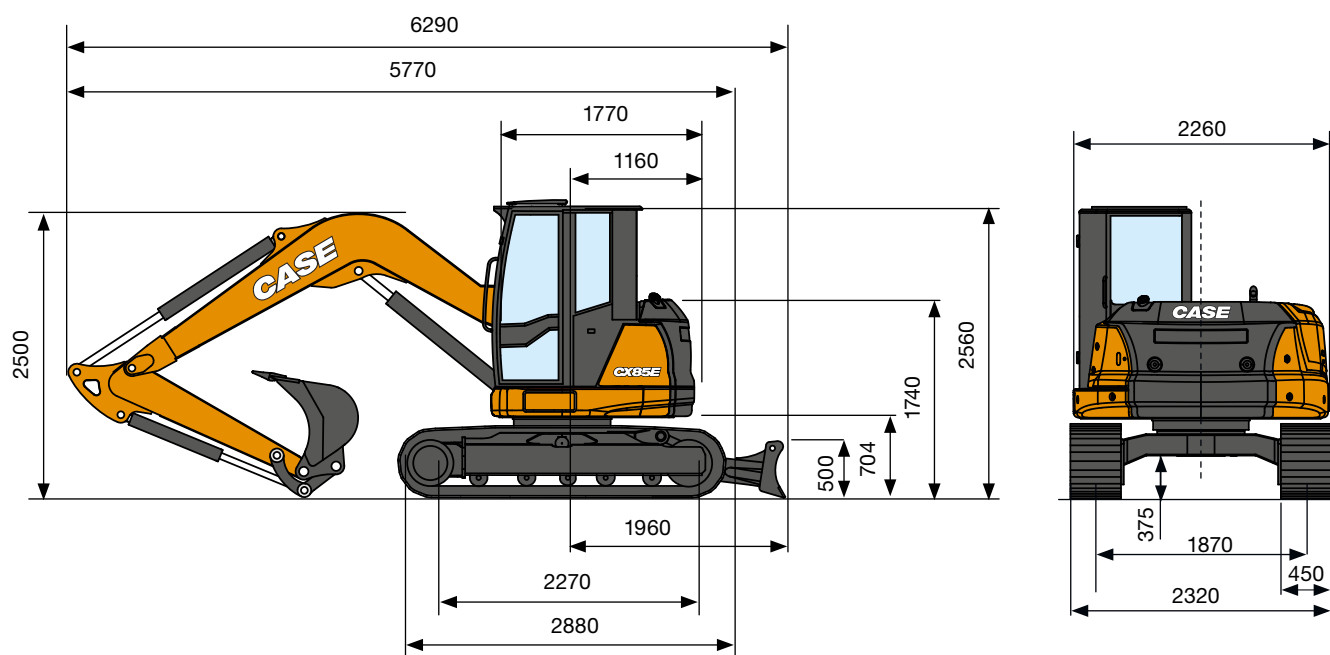
Fuel tank (l)	105
Hydraulic oil tank (l)	85
Hydraulic circuit capacity (l)	120
Cooling system capacity (l)	25
Engine oil (l)	10



PERFORMANCE DATA		Std. Arm 1760 mm	Opt. Arm 2110 mm
Max. digging depth	mm	3800	4150
Max. dumping height	mm	5220	5470
Bucket breaking force ISO 6015	daN		5850
Arm breaking force ISO 6015	daN	4350	3850
Traction force	daN		7960
Ground bearing pressure with rubber tracks	kg/cm²		0.41
Max. slope			60% - 30°

# SPECIFICATIONS

## CX85E



### GENERAL DIMENSIONS

Maximum width	mm	2320
Total height	mm	2560
Tracks width	mm	450
Rear rotation radius	mm	1160
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

## CX85E

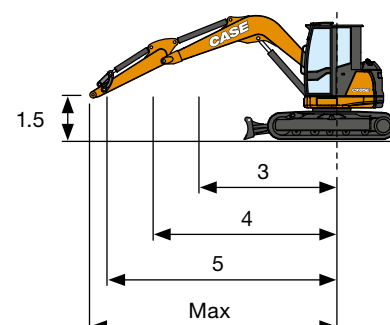
Standard dipper stick L = 1760 mm

Opening arm from the rotation's center (m)  
Lifting capacity (kg) at 1.5 m height

LIFTING CAPACITY	3	4	5	Max
Frontal and lowered dozer blade	4270*	3130*	2540*	2390*
Frontal and lifted dozer blade	3282	2070	1485	1340
Lateral	3060	1920	1420	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 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
- + 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)
- + Battery disconnect switch
- + Variable Volume Pump
- + Standard Hydraulic oil and Lubricants
- + CASE Sitewatch and SiteConnect

## OPTIONAL EQUIPMENT

- + Anti-Theft
- + Fabric seat with Pneumatic suspension
- + Fabric seat with Pneumatic suspension and Heating
- + Rear view camera
- + Travel alarm
- + Long arm
- + Additional counterweight - Light
- + Additional counterweight - Heavy
- + 3<sup>rd</sup> Auxiliary (AUX3) circuit with electro-proportional control
- + Block valves on dozer blade cylinder
- + Object handling kit (block valves on boom and arm, lifting hook and load chart)
- + Steel tracks 450 mm
- + Steel tracks with pad 450 mm
- + Steel tracks 600 mms
- + 6X1 (Angle/Tilt) Dozer Blade
- + Dozer Float
- + Extra LED working lights (cab-rear)
- + 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

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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

**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.