

CX90E

CASE
CONSTRUCTION

MIDI EXCAVATORS
E-Series



Engine 4TNV98CT

Engine power 53.7 kW - 72.0 hp

Operating weight 9210 kg

SPECIFICATIONS

CX90E

ENGINE

Type	YANMAR 4TNV98CT - STAGE 5
Max. Power (2300 rpm) (kW / hp)	53.7 - 72.0
Displacement (cm ³)	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 ³)	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)	160 - 200 bar
AUX 2 double effect (l/min)	90/60 - 290 bar
AUX 3 double effect optional (l/min)	50 - 250 bar

SLEWING & TRAVEL SPEED

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

CONTROLS

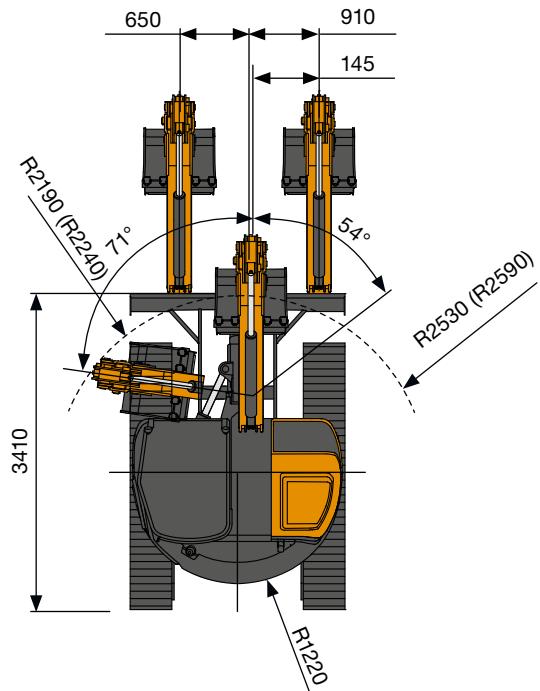
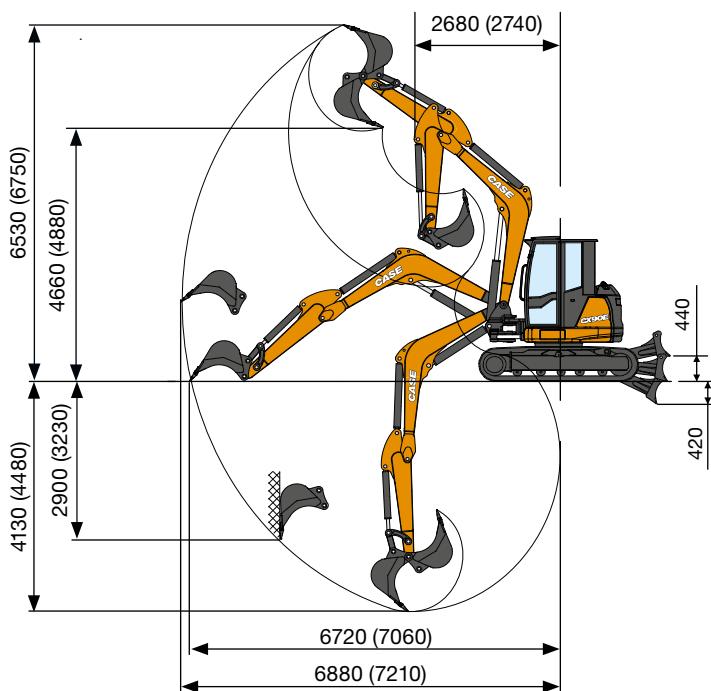
Boom, dipper stick, bucket and turret swing	2 joysticks
Track movements (included counter rotation)	2 levers/joystick steering
Dozer blade	lever
Priority auxiliary system with holding function	
AUX 1 (single or double effect)	electroproportional switch on right joystick
Auxiliary system AUX 2 (double effect)	electroproportional switch on right joystick
Low priority auxiliary system	
AUX 3 (double effect)	electroproportional switch on left joystick
Boom swing	electroproportional switch on left joystick

WEIGHTS

Transport Weight with rubber tracks (kg)	8880
Operating weight with rubber tracks ISO 6016 (kg)	9210

CIRCUIT AND COMPONENT CAPACITIES

Fuel tank (l)	105
Hydraulic oil tank (l)	75
Hydraulic circuit capacity (l)	135
Cooling system capacity (l)	23
Engine oil (l)	10

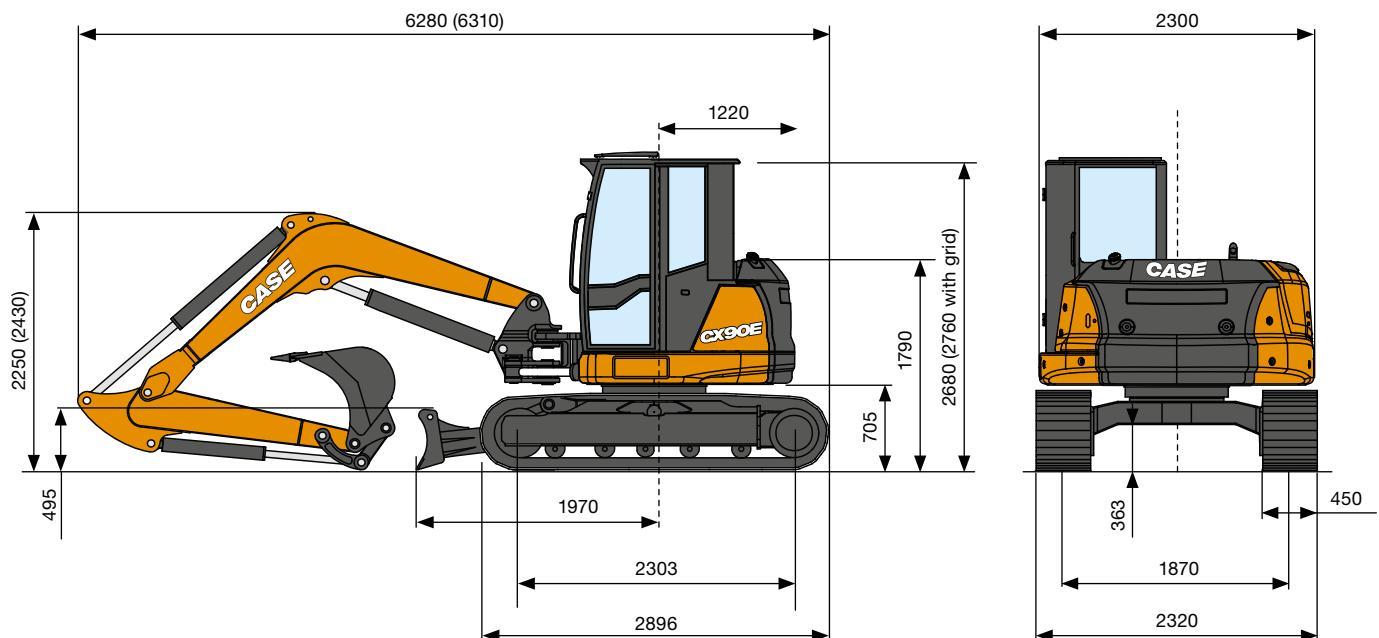


PERFORMANCE DATA

	Std. Arm 1760 mm	Opt. Arm 2110 mm
Max. digging depth	mm	4130
Max. dumping height	mm	4660
Bucket breaking force ISO 6015	daN	6300
Arm breaking force ISO 6015	daN	4350
Traction force	daN	7960
Ground bearing pressure with rubber tracks	kg/cm ²	0.40
Max. slope		60% - 30°

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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

CX90E

Standard dipper stick L = 1760 mm

Opening arm from the rotation's center (m)

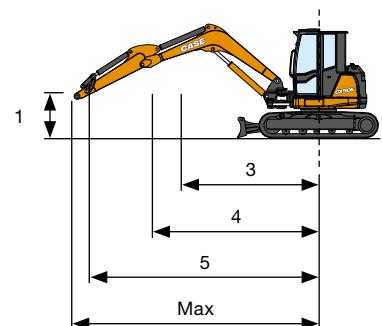
Lifting capacity (kg) at 1 m height

Standard counterweight

LIFTING CAPACITY	3	4	5	Max
Frontal and lowered dozer blade	5610*	3520*	2680*	2290*
Frontal and lifted dozer blade	3250	2110	1520	1200
Lateral	2540	1710	1250	990

* 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
- + 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
- + 1st Auxiliary (AUX1) circuit with electro-proportional control
- + 2nd 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 2nd to 1st 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
- + 3rd 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 mm
- + 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)
- + 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
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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.