

CX90E



MIDI EXCAVATORS

E-Series



Engine 4TNV98CT

Engine power 53.7 kW - 73.0 hp

Operating weight 9210 kg

SPECIFICATIONS

ENGINE

Type	YANMAR 4TNV98CT - STAGE 5
Max. Power (2300 rpm) (kW / hp)	53.7 - 73.0
Displacement (cm³)	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 (cm³) _____ 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) _____ 1st : 0 ÷ 2.6 / 2nd : 0 ÷ 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

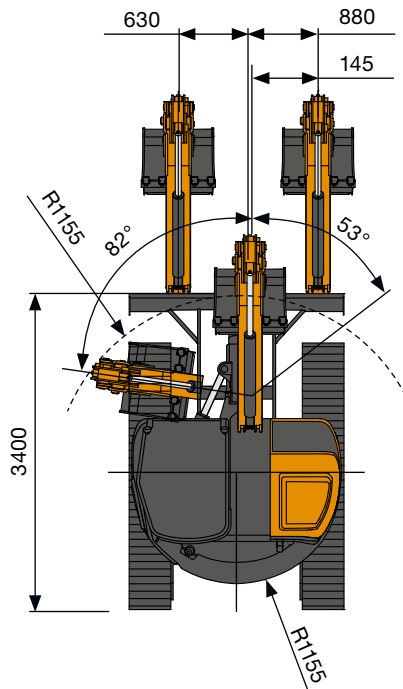
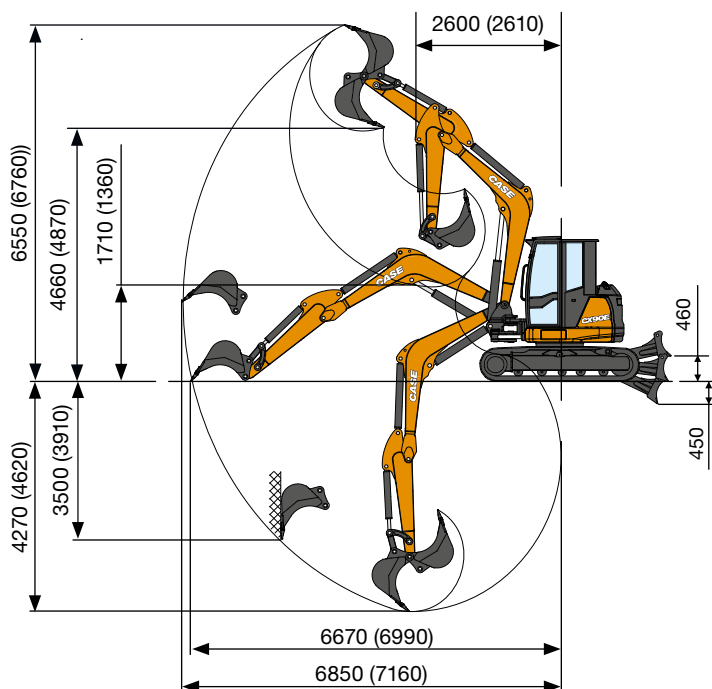
Boom swing _____ electroproportional switch on left joystick

WEIGHTS

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

CIRCUIT AND COMPONENT CAPACITIES

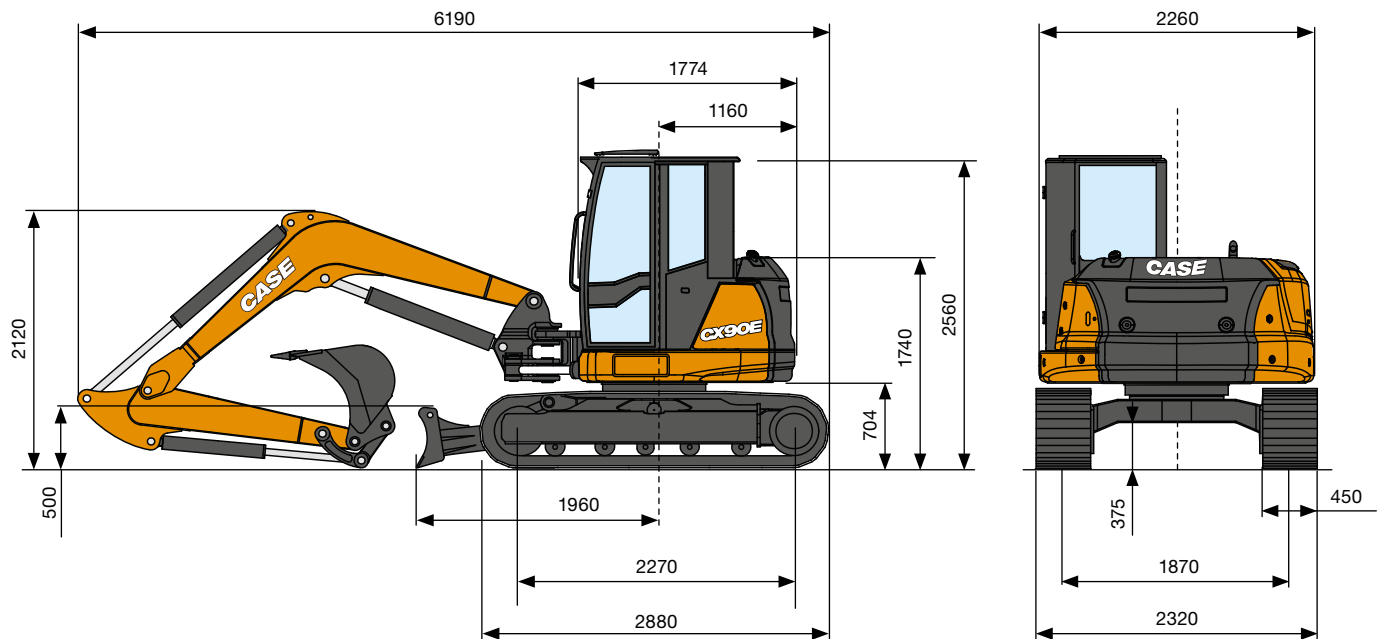
Fuel tank (l) _____	105
Hydraulic oil tank (l) _____	85
Hydraulic circuit capacity (l) _____	120
Cooling system capacity (l) _____	25
Engine oil (l) _____	10



PERFORMANCE DATA		Std. Arm 1760 mm	Opt. Arm 2110 mm
Max. digging depth	mm	4270	4620
Max. dumping height	mm	4660	4870
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		0.43
Max. slope			60% - 30°

SPECIFICATIONS

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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

CX90E

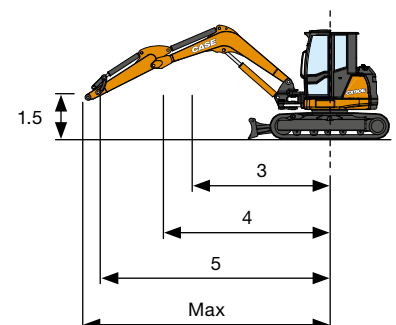
Standard dipper stick L = 1900 mm

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	4495*	3045*	2350*	2085*
Frontal and lifted dozer blade	2810	1760	1310	1000
Lateral	2860	1880	1320	1000

* 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
- + 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)
- + 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
- + 3rd 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 mm
- + 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

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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.