

CX20D



MINI EXCAVATORS D-Series



Engine 3TNV76

Engine power 13.7 kW - 18.6 hp

Operating weight with canopy 2010 kg

Operating weight with cab 2120 kg

SPECIFICATIONS

CX20D

ENGINE

Type _____ YANMAR 3TNV76 - STAGE 5
 Max. Power (2.200 rpm) (kW / hp) _____ 13.7 - 18.6
 Displacement (cm³) _____ 1116
 Number of cylinders (n°) _____ 3
 Cooling _____ Liquid
 Consumption (l/h) _____ 3.1
 Alternator (V) _____ 12 (40 A)
 Battery V (Ah) _____ 12 (65)

HYDRAULIC SYSTEM

Pump type _____ variable flow
 Pump displacement (cm³) _____ 9 + 9 + 6.6
 Pump capacity (l/min) _____ 18 + 18 + 13.1
 Max. circuit calibration pressure (bar) _____ 240
 Auxiliary system (max pressure):
 AUX 1 single or double effect (l/min) _____ 31.1 - 205 bar
 AUX 2 - optional (l/min) _____ 13,1 - 205 bar
 AUX 3 - optional (l/min) _____ 18 - 240 bar

SLEWING & TRAVEL SPEED

Travelling speed
 (AUTO TWO SPEED) (km/h) _____ 1st : 0 ÷ 2.3 / 2nd : 0 ÷ 4.4
 Slew speed (rpm) _____ 10.5

CONTROLS

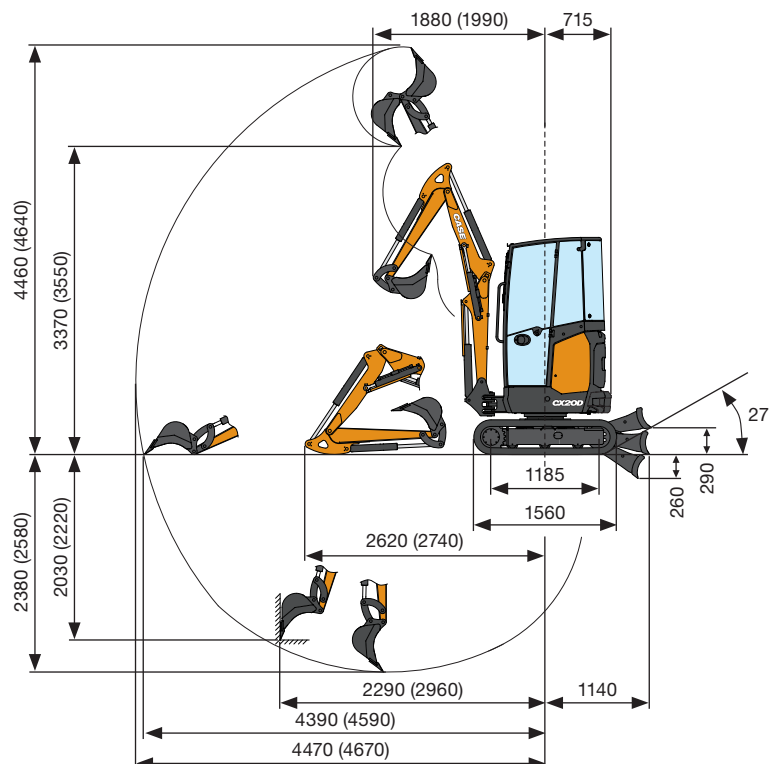
Boom, dipper stick, bucket and turret swing _____ 2 pilot joysticks
 Positioner two pieces boom _____ electroproportional switch on right joystick
 Track movements (included counter rotation) _____ 2 pilot levers
 Dozer blade _____ pilot lever
 Auxiliary system AUX 1 (single or double effect) _____ electroproportional switch on right joystick
 Boom swing _____ electroproportional switch on left joystick

WEIGHTS

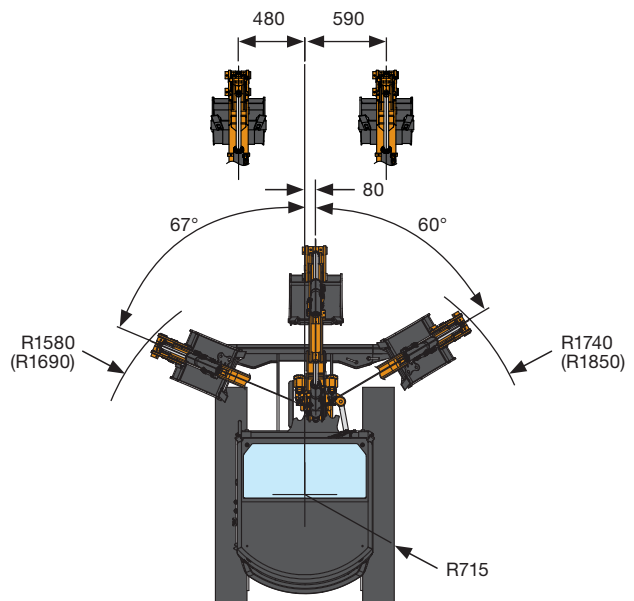
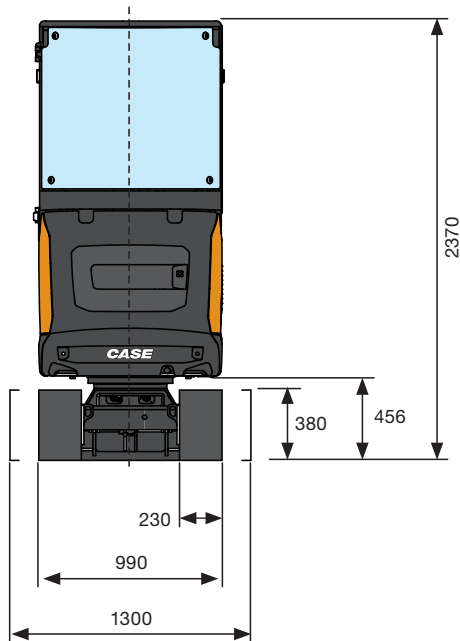
Transport weight with canopy* (kg) _____ 1900
 Transport weight with cab* (kg) _____ 2010
 Operating weight with canopy* ISO 6016 (kg) _____ 2010
 Operating weight with cab* ISO 6016 (kg) _____ 2120
 *with rubber tracks

CIRCUIT AND COMPONENT CAPACITIES

Fuel tank (l) _____ 25
 Hydraulic oil tank (l) _____ 20
 Hydraulic circuit capacity (l) _____ 30
 Cooling system capacity (l) _____ 4.5
 Engine oil (l) _____ 2.8



PERFORMANCE DATA		Std. Arm 1150 mm	Opt. Arm 1350 mm
Max. digging depth	mm	2380	2580
Max. dumping height	mm	3370	3550
Bucket breaking force	daN		1500
Arm breaking force ISO 6015	daN		950
Traction force	daN		1860
Ground bearing pressure with rubber tracks and canopy (with cabin)	kg/cm ²		0.33 (0.34)
Max. slope			60% - 30°



GENERAL DIMENSIONS

Maximum width	mm	990 - 1300
Total height	mm	2370
Tracks width	mm	230
Rear rotation radius	mm	715
Digging arm length standard (optional)	mm	1150 (1350)
Rollers number (for each side)	n°	3

LIFTING CAPACITY

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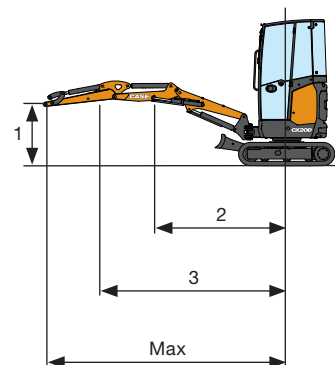
Standard dipper stick L = 1.150 mm
(Optional dipper stick L = 1.350 mm)

Opening arm from the rotation's center (m)
Lifting capacity (kg) at 1.0 m height

LIFTING CAPACITY	2	3	Max
Frontal and lowered dozer blade	640*	400*	360*
Frontal and lifted dozer blade	490	250	160
Lateral, open undercarriage	470	250	160

* 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/Canopy (ROPS/TOPS - FOPS Level 1)
- + Heating
- + Automatic Courtesy light
- + Electric plug on the roof for Rotating Beacon
- + Windshield washer
- + Rear-view mirrors (left, right)
- + Fabric seat with Mechanical suspension (cab)
- + Vinyl seat with Mechanical suspension (canopy)
- + Standard arm
- + 2-Piece-Boom
- + Boom Lift cylinder and dozer blade cylinder protection
- + Additional counterweight
- + Servo-assisted hydraulic joysticks with Electro-Hydraulic proportional controls
- + Electro-Hydraulic proportional Swing control
- + Electro-Hydraulic proportional 2-Piece-Boom control
- + 1st Auxiliary (AUX1) circuit with Electro-Hydraulic proportional control
- + AUX1 circuit maximum flow mechanical setting
- + Mechanical diverter between Single effect and Double effect AUX1
- + Block valves on 2 piece boom positioner cylinders
- + 2 speed travel with Automatic Shift Down (from 2nd to 1st gear if more traction is required) and Shift-up
- + Rubber tracks
- + Standard Dozer Blade
- + Extendable undercarriage
- + Operator manual
- + Ignition key, which opens every machine lock
- + Standard LED working lights (boom)
- + Battery disconnect switch
- + Variable Volume Pump
- + Standard Hydraulic oil and Lubricants

OPTIONAL EQUIPMENT

- + DAB Radio, Bluetooth, USB, Aux-in (cab only)
- + Anti-Theft
- + Travel alarm
- + Long arm
- + 2nd Auxiliary (AUX2) circuit with Electro-Hydraulic proportional control and flow diverter from boom swing
- + Grapple provision (AUX3 with flow diverter from bucket cylinder)
- + Direct Drainage to tank
- + Block valves on dozer blade cylinder
- + Object handling kit (block valves on boom and arm, lifting hook and load chart)
- + Extra LED working lights (cab-front and cab-rear)
- + Rotating beacon
- + CASE Sitewatch and SiteConnect
- + Bio Hydraulic oil and Lubricants
- + High Flow provision (i.e. for Mulcher): max constant flow of 19 l/min at 180 bar
- + Hydraulic quick coupler provision (Single or Double Effect)
- + Mechanical and Hydraulic quick couplers
- + Buckets

CASE AFTERMARKET SOLUTIONS

- + Front Protection grid (Level 2)
- + Arm cylinder and bucket cylinder protection
- + 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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Check in advance with your Mobile Operator if you will be charged. Toll free number not available from all calling areas.