

CX22D



## MINI EXCAVATORS

### D Series



Engine D1105

Engine power 15.4 kW - 20.9 hp

Operating weight with canopy 2220 kg

Operating weight with cab 2320 kg

# SPECIFICATIONS

## CX22D

### ENGINE

Type \_\_\_\_\_ KUBOTA D1105 - STAGE 5  
 Max. Power (2.400 rpm) (kW / hp) \_\_\_\_\_ 15.4 - 20.9  
 Displacement (cm<sup>3</sup>) \_\_\_\_\_ 1105  
 Number of cylinders (n°) \_\_\_\_\_ 3  
 Cooling \_\_\_\_\_ Liquid  
 Consumption (l/h) \_\_\_\_\_ 3  
 Alternator (V) \_\_\_\_\_ 12 (40 A)  
 Battery V (Ah) \_\_\_\_\_ 12 (62)

### HYDRAULIC SYSTEM

Circuit Type \_\_\_\_\_ Load Sensing closed center system  
 with "Flow Sharing" control valve  
 Pump type \_\_\_\_\_ 1 LS variable pump + 1 gear pump  
 Pump displacement (cm<sup>3</sup>) \_\_\_\_\_ 25 + 4.95  
 Pump capacity (l/min) \_\_\_\_\_ 52 + 10.3  
 Max. circuit calibration pressure (bar) \_\_\_\_\_ 240  
 Auxiliary system (max pressure):  
 AUX 1 single or double effect \_\_\_\_\_  
 with priority (l/min) \_\_\_\_\_ 50 - 200 bar  
 AUX 2 - optional (l/min) \_\_\_\_\_ 13/8 - 220 bar  
 AUX 3 - optional (l/min) \_\_\_\_\_ 50 - 220 bar

### SLEWING & TRAVEL SPEED

Travelling speed (km/h) \_\_\_\_\_ 1<sup>st</sup> : 0 ÷ 2.6 / 2<sup>nd</sup> : 0 ÷ 4.0  
 Slew speed (rpm) \_\_\_\_\_ 10.5

### CONTROLS

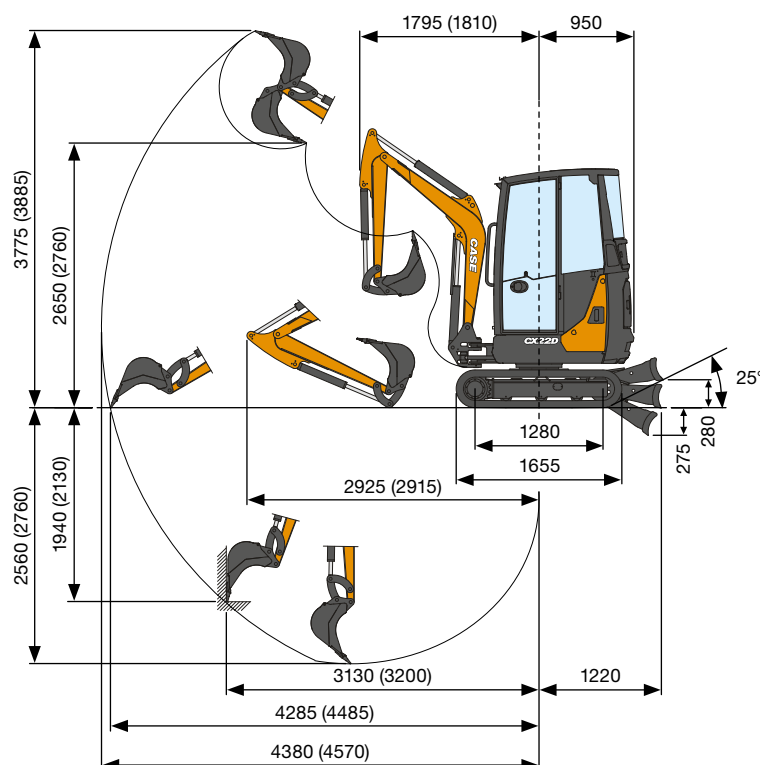
Boom, dipper stick, bucket and turret swing \_\_\_\_\_ 2 pilot joysticks  
 Track movements \_\_\_\_\_ 2 pilot levers  
 Dozer blade \_\_\_\_\_ pilot lever  
 Priority auxiliary system with holding function \_\_\_\_\_  
 AUX 1 (single or double effect) \_\_\_\_\_ electroproportional  
 switch on right joystick  
 Boom swing \_\_\_\_\_ electroproportional switch on left joystick

### WEIGHTS

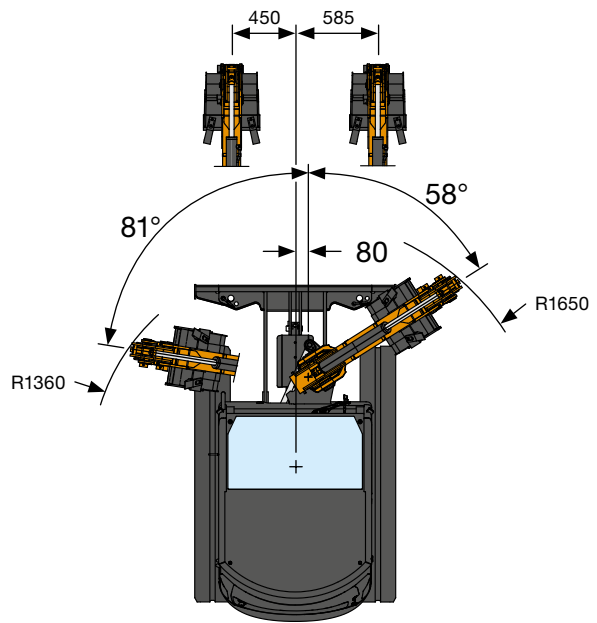
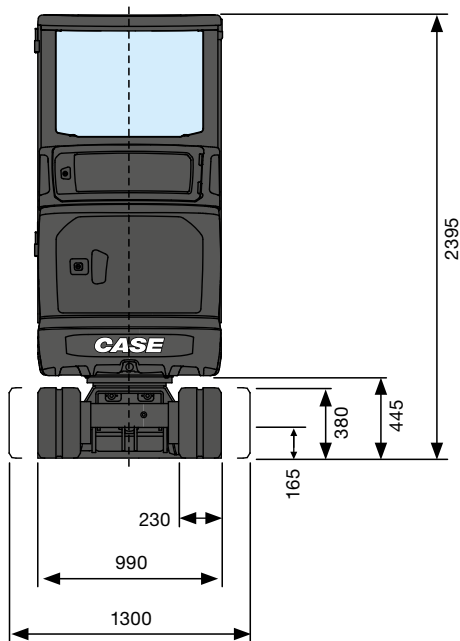
Transport Weight with canopy (kg) \_\_\_\_\_ 2090  
 Transport Weight with cab (kg) \_\_\_\_\_ 2190  
 Operating weight with canopy\* ISO 6016 (kg) \_\_\_\_\_ 2220  
 Operating weight with cabin\* ISO 6016 (kg) \_\_\_\_\_ 2320  
 \* with rubber tracks

### CIRCUIT AND COMPONENT CAPACITIES

Fuel tank (l) \_\_\_\_\_ 20  
 Hydraulic oil tank (l) \_\_\_\_\_ 16  
 Hydraulic circuit capacity (l) \_\_\_\_\_ 25  
 Cooling system capacity (l) \_\_\_\_\_ 4  
 Engine oil (l) \_\_\_\_\_ 4.4



PERFORMANCE DATA		Std. Arm 1250 mm	Opt. Arm 1450 mm
Max. digging depth	mm	2560	2760
Max. dumping height	mm	2650	2760
Bucket breaking force	daN		1600
Arm breaking force ISO 6015	daN		1000
Traction force	daN		2200
Ground bearing pressure with rubber tracks and canopy (with cabin)	kg/cm <sup>2</sup>		0.34 (0.35)
Max. slope			60% - 30°



#### GENERAL DIMENSIONS

Maximum width	mm	990 - 1300
Total height	mm	2395
Tracks width	mm	230
Rear rotation radius	mm	950
Digging arm length standard (optional)	mm	1250 (1450)
Rollers number (for each side)	n°	3

## LIFTING CAPACITY

### CX22D

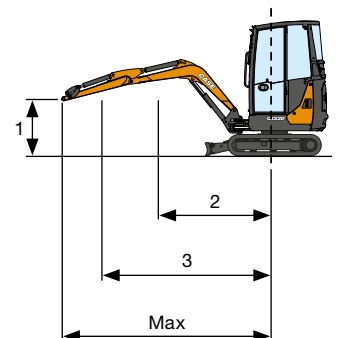
Opening arm from the rotation's center (m)  
Lifting capacity (kg) at 1.0 m height

LIFTING CAPACITY	2	3	Max
Frontal and lowered dozer blade	760*	480*	420*
Frontal and lifted dozer blade	760*	410	290
Lateral, open undercarriage	700	350	260

\* 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 = 1250 mm  
(Optional dipper stick L = 1450 mm)



# STANDARD AND OPTIONS

## STANDARD EQUIPMENT

- + Tilttable Cab/Canopy (ROPS/TOPS - FOPS Level 1)
- + Windshield washer
- + Rear-view mirrors (left, right)
- + Fabric seat with Mechanical suspension (cab)
- + Vinyl seat with Mechanical suspension (canopy)
- + Standard arm
- + Boom Lift cylinder and dozer blade cylinder protection
- + Standard counterweight
- + Air Filter with drain valve and anti-clogging indicator
- + Servo-assisted hydraulic joysticks with Electro-Hydraulic proportional controls
- + Electro-Hydraulic proportional Swing control
- + 1<sup>st</sup> Auxiliary (AUX1) circuit with Electro-Hydraulic proportional control
- + AUX1 circuit maximum flow mechanical setting
- + Mechanical diverter between Single effect and Double effect AUX1
- + 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
- + 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 Lubricant
- + CASE Sitewatch and SiteConnect

## OPTIONAL EQUIPMENT

- + Air conditioning and Heating
- + DAB Radio, Bluetooth, USB, Memory card SD/SDHC, Aux-in (cab only)
- + Anti-Theft
- + Travel alarm
- + Long arm
- + 2<sup>nd</sup> 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)
- + Dozer Float
- + Extra LED working lights (cab-front and cab-rear)
- + Rotating beacon
- + Bio Hydraulic oil and Lubricants
- + High Flow provision (i.e. for Mulcher): max constant flow of 20 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
- + 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.