CX50D

MINI EXCAVATORS
D-Series

Engine V2403-CR-T
Engine power 42.6 kW - 57.1 hp
Operating weight 4950 kg

SPECIFICATIONS
CX50D

ENGINE
Type _____ KUBOTA V2403-CR-T - STAGE 5
Max. Power (2300 rpm) (kW / hp) _____ 42.6 - 57.1
Displacement (cm^3) _____ 2434
Number of cylinders (n°) _____ 4
Cooling _____ Liquid
Consumption (l/h) _____ 6.9
Alternator (V) _____ 12 (70 A)
Battery V (Ah) _____ 12 (100)

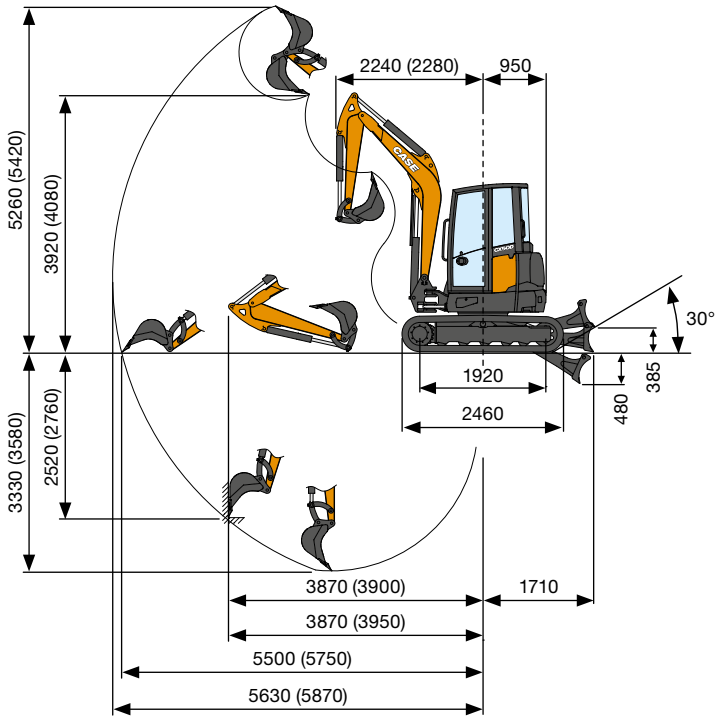
HYDRAULIC SYSTEM
Circuit Type _____ Load Sensing closed center system with "Flow Sharing" control valve
Pump type _____ 1 LS hydraulic variable pump with electronic control + 1 gear pump
Pump displacement (cm^3) _____ 65 + 14.5
Pump capacity (l/min) _____ 129 + 28.8
Max. circuit calibration pressure (bar) _____ 280
Auxiliary system (max pressure):
AUX 1 single or double effect
with priority (l/min) _____ 60 (70 Max) - 200 left / 280 right bar
AUX 2 double effect (optional) (l/min) _____ 60/43 - 280 bar
AUX 3 - optional (l/min) _____ 40/32 - 280 bar

SLEWING & TRAVEL SPEED
Travelling speed
(AUTO TWO SPEED) (km/h) _____ 1^{st} : 0 ÷ 2.6 / 2^{nd} : 0 ÷ 4.5
Slew speed (rpm) _____ 10.5

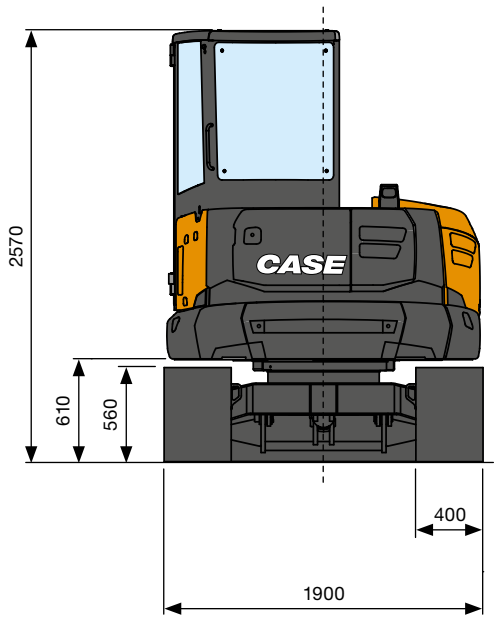
CONTROLS
Boom, dipper stick,
bucket and turret swing _____ 2 pilot joysticks
Track movements (included counter rotation) ___ 2 pilot levers
Dozer blade _____ pilot lever
Priority auxiliary system with holding function
AUX 1 (single or double effect) _____ electroproportional switch on right joystick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

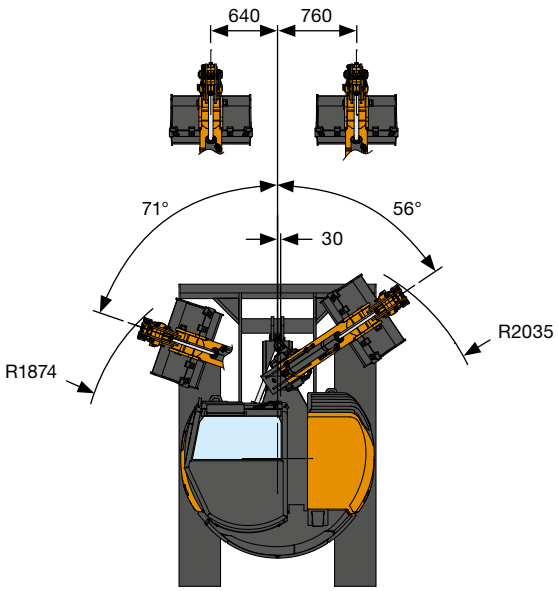
WEIGHTS
Transport Weight with cab (kg) _____ 4800
Operating weight with cab
(with rubber tracks) ISO 6016 (kg) _____ 4950

CIRCUIT AND COMPONENT CAPACITIES
Fuel tank (l) _____ 75
Hydraulic oil tank (l) _____ 65
Hydraulic circuit capacity (l) _____ 85
Cooling system capacity (l) _____ 11
Engine oil (l) _____ 9.5



PERFORMANCE DATA		Std. Arm 1500 mm	Opt. Arm 1750 mm
Max. digging depth	mm	3330	3580
Max. dumping height	mm	3920	4080
Bucket breakout force	daN	4300	
Arm breakout force ISO 6015	daN	2350	2120
Traction force	daN	5420	
Ground bearing pressure with rubber tracks and cab	kg/cm^2	0.29	
Max. slope		60% - 30°	





GENERAL DIMENSIONS		
Maximum width	mm	1900
Total height	mm	2570
Tracks width	mm	400
Rear rotation radius	mm	950
Digging arm length standard (optional)	mm	1500 (1750)
Rollers number (for each side)	n°	5/1

LIFTING CAPACITY
CX50D

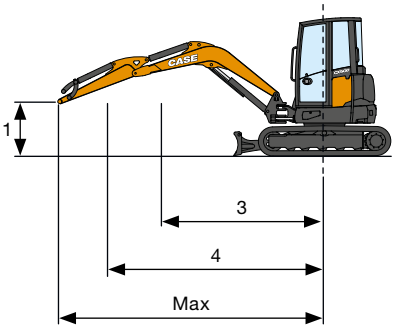
Opening arm from the rotation's center (m)
Lifting capacity (kg) at 1.0 m height
Standard counterweight

Standard dipper stick L = 1500 mm

LIFTING CAPACITY	3	4	Max
Frontal and lowered dozer blade	1910*	1330*	1130*
Frontal and lifted dozer blade	1250	820	610
Lateral, open undercarriage	920	620	460

* 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

+ Tiltable Cab (ROP/TOPS - FOPS Level 1)
+ Automatic Courtesy light
+ Electric socket on the roof for Rotating Beacon
+ Windshield washer
+ Rear-view mirrors
+ Fabric seat with Mechanical suspension (cab)
+ Standard arm
+ Boom Lift cylinder and dozer blade cylinder protection
+ Standard counterweight
+ Air Filter with drain valve and electric anti-clogging indicator
+ Hydraulic Reversable Fan Drive with automatic functionality
+ Servo-assisted hydraulic joysticks with Electro-Hydraulic proportional controls
+ Electro-Hydraulic proportional Swing control
+ 1st Auxiliary (AUX1) circuit with Electro-Hydraulic proportional control
+ Digital cluster with AUX1, AUX2 and AUX3 flow settings
+ Electric diverter between Single effect and Double effect AUX1
+ 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 left side)
+ Battery disconnect switch
+ Variable Volume Pump
+ Standard Hydraulic oil and Lubricants
+ CASE Sitewatch and SiteConnect
+ Rear view camera
+ Object handling kit (block valves on boom and arm, lifting hook and load chart)

OPTIONAL EQUIPMENT

+ Automatic Air conditioning and Heating
+ DAB Radio, Bluetooth, USB, Aux-in (cab only)
+ Anti-Theft
+ Fabric seat with Pneumatic suspension (cab)
+ Travel alarm
+ Long arm
+ Additional counterweight - Light
+ Additional counterweight - Heavy
+ Electric fuel refill pump
+ 2nd Auxiliary (AUX2) circuit with Electro-Hydraulic proportional control
+ 3rd Auxiliary (AUX3) circuit with Electro-Hydraulic proportional control
+ Grapple provision (AUX3 with flow diverter from bucket cylinder)
+ Direct Drainage to tank
+ Block valves on dozer blade cylinder
+ Steel tracks
+ 6X1 (Angle/Tilt) Dozer Blade
+ Dozer Float
+ Extra LED working lights (cab-front and cab-rear)
+ Rotating beacon
+ Bio Hydraulic oil and Lubricants
+ Automatic Centralized Lubrication
+ Constant Flow provision (i.e. for Mulcher): max constant flow of 53 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

CNH Industrial
Deutschland GmbH
Case Baumaschinen
Benzstr. 1-3 - D-74076 Heilbronn
DEUTSCHLAND

CNH Industrial
Maquinaria Spain, S.A.
Avenida Aragón 402
28022 Madrid - ESPAÑA

CNH Industrial France, S.A.
16-18 Rue des Rochettes
91150 Morigny-Champigny
FRANCE

CNH Industrial Italia Spa
Lungo Stura Lazio 19
10156, Torino
ITALIA

CASE Construction Equipment
Cranes Farm Rd
Basildon - SS14 3AD
UNITED KINGDOM

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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