

CX15EV



MINI EXCAVATORS *ELECTRIC VEHICLE*



Electric miniexcavator
Engine power 16.0 kW
Operating weight 1315 kg

SPECIFICATIONS

CX15EV

ENGINE

Type _____ Internal Permanent Magnets (IPM)
 Max. Power (2800 rpm) (kW) _____ 16.0
 Displacement (cm³) _____ 1116
 Supply _____ three-phase alternating current

SUPPLY

Battery chemistry _____ lithium-ion
 Gross capacity (kWh) _____ 21.5
 Nominal voltage of the system (V) _____ 102
 Autonomy according to the operating mode (h) _____ 4 ÷ 8

CHARGING TIMES

On-board charger 220V (h) _____ 10
 External three-phase
 rapid charge 380V (Optional) (h) _____ 1,0 (80%) - 1,5 (100%)

SLEWING & TRAVEL SPEED

Travelling speed
 (AUTO TWO SPEED) (km/h) _____ 1st : 0 ÷ 1.8 / 2nd : 0 ÷ 3.8
 Slew speed (rpm) _____ 9.5

OPERATING MODES

	ECO	STD	PWR
Max. rpm	2400	2600	2800

HYDRAULIC SYSTEM

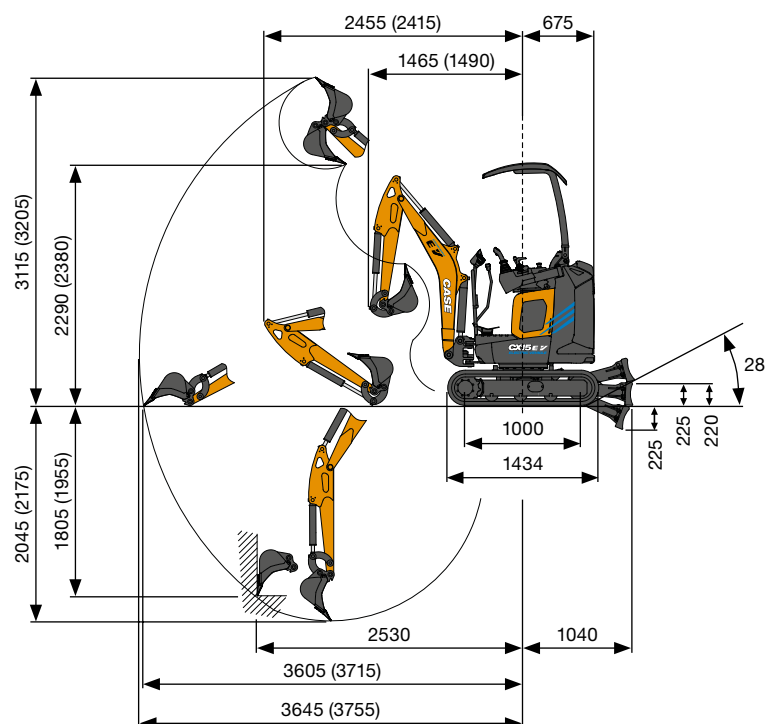
Control valve _____ Load Sensing Flow Sharing
 Hydraulic system capacity (l) _____ 15
 Pump type _____ 1 low-noise helical gear pump
 Pump displacement (cm³) _____ 10.1
 Pump flow rate (l/min) _____ 28
 Max. circuit calibration pressure (bar) _____ 180
 Auxiliary system (max pressure):
 AUX 1 single or double effect (l/min) _____ 28 - 180 bar
 AUX 2 - optional (l/min) _____ 10 - 180 bar

CONTROLS

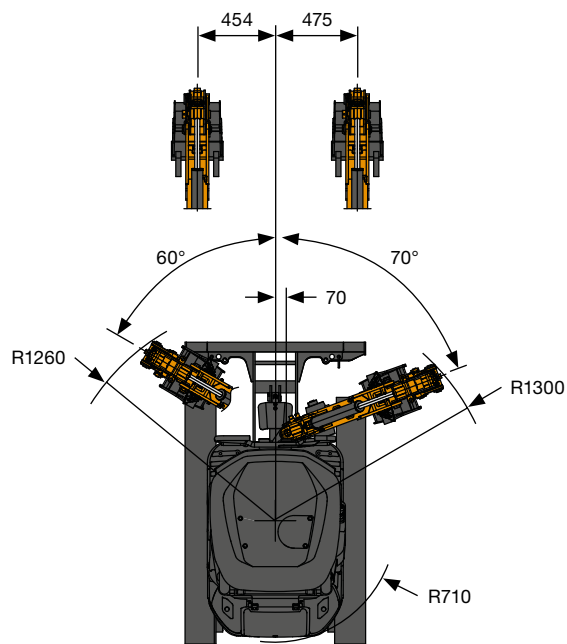
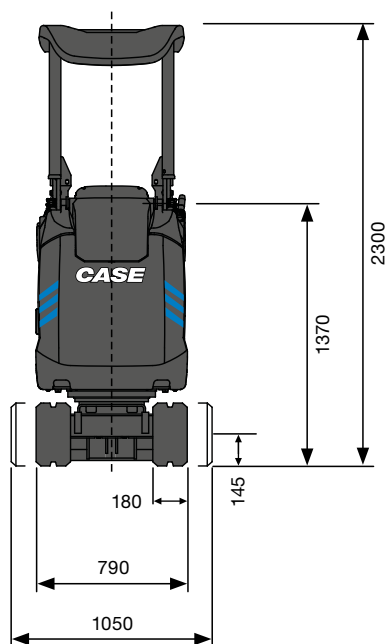
Boom, dipper stick,
 bucket and turret swing _____ 2 electro-proportional joysticks
 Track movements
 (included counter rotation) _____ 2 electro-proportional levers
 Dozer blade _____ electro-proportional lever
 Auxiliary system AUX 1
 (single or double effect) _____ electroproportional
 switch on right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

OPERATING WEIGHT

Weight with canopy (kg) _____ 1315
 Operating weight with canopy and ABS roof (kg) _____ 1340



PERFORMANCE DATA		Std. Arm 1020 mm	Opt. Arm 1150 mm
Max. digging depth	mm	2045	2175
Max. dumping height	mm	2290	2380
Bucket breaking force	daN		1150
Arm breaking force ISO 6015	daN		630
Traction force	daN		1000
Ground bearing pressure with canopy (ABS roof)	kg/cm ²	0.31 (0.32)	
Max. slope		60% - 30°	



GENERAL DIMENSIONS

Maximum width	mm	790 - 1050
Total height	mm	2300
Tracks width	mm	180
Rear rotation radius	mm	710
Digging arm length standard (optional)	mm	1020 (1150)
Rollers number (for each side)	n°	3

LIFTING CAPACITY

CX15EV

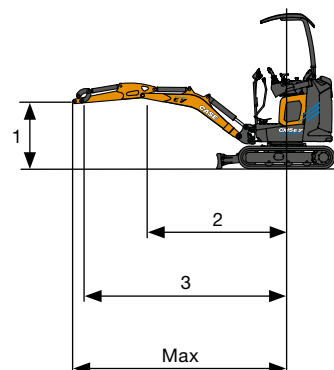
Opening arm from the rotation's center (m)
Lifting capacity (kg) at 1.0 m height

LIFTING CAPACITY	2	3	Max
Frontal and lowered dozer blade	330*	240*	230*
Frontal and lifted dozer blade	330*	190	170
Lateral, open undercarriage	240	120	120

* 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 = 1020 mm
(Optional dipper stick L = 1150 mm)



STANDARD AND OPTIONS

STANDARD EQUIPMENT

- + Tiltable Roll-bar (ROPS/TOPS)
- + Vinyl seat with Mechanical suspension (canopy)
- + Standard arm
- + Boom Lift cylinder and dozer blade cylinder protection
- + Standard counterweight
- + Servo-assisted hydraulic joysticks with Electro-Hydraulic proportional controls
- + Electro-Hydraulic proportional Swing control
- + 1st Auxiliary (AUX1) circuit with Electro-Hydraulic proportional control
- + 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
- + Documents box and Tool kit for maintenance
- + Ignition key, which opens every machine lock
- + Standard LED working lights (boom)
- + Helical Gear Pump
- + Bio Hydraulic oil and Lubricants
- + Electronic Display and controls
- + 3 pre-set Control modes
- + Electronic flow setting for every mode/movement and auxiliary circuits
- + On-board battery charger (220 VAC)

OPTIONAL EQUIPMENT

- + Roll-bar plastic cover (FOPS Level 1)
- + Travel alarm
- + Long arm
- + 2nd Auxiliary (AUX2) circuit with Electro-Hydraulic proportional control
- + Extra LED working lights (roof)
- + Rotating beacon
- + Case Sitewatch
- + Portable Fast-Charger (380 VAC)
- + Mechanical quick couplers
- + Buckets

CASE AFTERMARKET SOLUTIONS

- + Arm cylinder and bucket cylinder protection
- + Pattern change ISO-SAE
- + 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.