

CX15EV



## MINI EXCAVATORS *ELECTRIC VEHICLE*



Electric miniexcavator  
Rated engine power 11.0 kW  
Peak engine power 16.0 kW  
Operating weight 1420 kg

# SPECIFICATIONS

## CX15EV

### ENGINE

Type \_\_\_\_\_ Internal Permanent Magnets (IPM)  
 Rated engine power (kW) \_\_\_\_\_ 11.0  
 Peak engine power (kW) \_\_\_\_\_ 16.0  
 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) \_\_\_\_\_ 1<sup>st</sup> : 0 ÷ 1.8 / 2<sup>nd</sup> : 0 ÷ 3.8  
 Slew speed (rpm) \_\_\_\_\_ 9.5

### OPERATING MODES

	ECO	STD	PWR
Max. rpm	2400	2600	2800

### HYDRAULIC SYSTEM

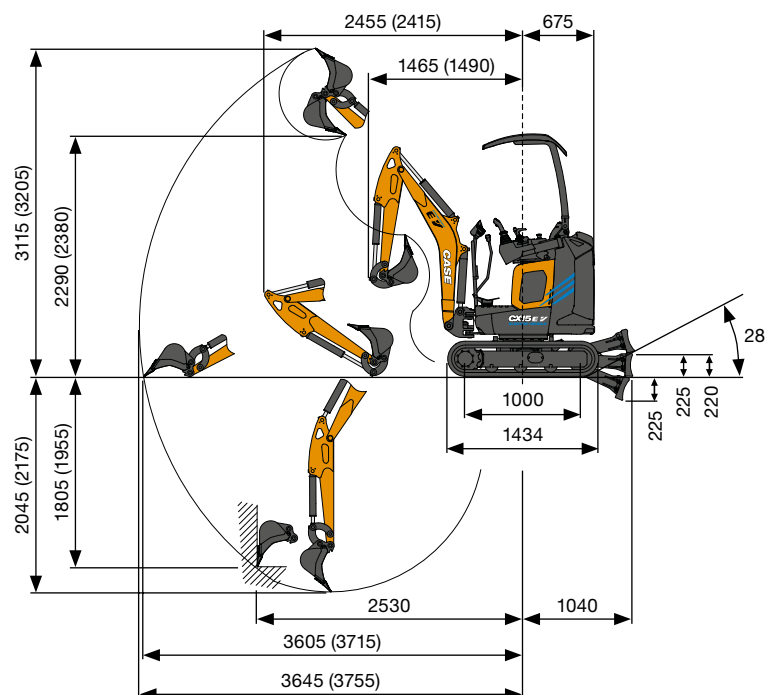
Control valve \_\_\_\_\_ Load Sensing Flow Sharing  
 Hydraulic system capacity (l) \_\_\_\_\_ 15  
 Pump type \_\_\_\_\_ 1 low-noise helical gear pump  
 Pump displacement (cm<sup>3</sup>) \_\_\_\_\_ 10.1  
 Pump flow rate (l/min) \_\_\_\_\_ 28  
 Max. circuit calibration pressure (bar) \_\_\_\_\_ 180  
 Auxiliary system (max pressure):  
 AUX 1 single or double effect (l/min) \_\_\_\_\_ 28 - 180 bar  
 AUX 2 - optional (l/min) \_\_\_\_\_ 10 - 180 bar

### CONTROLS

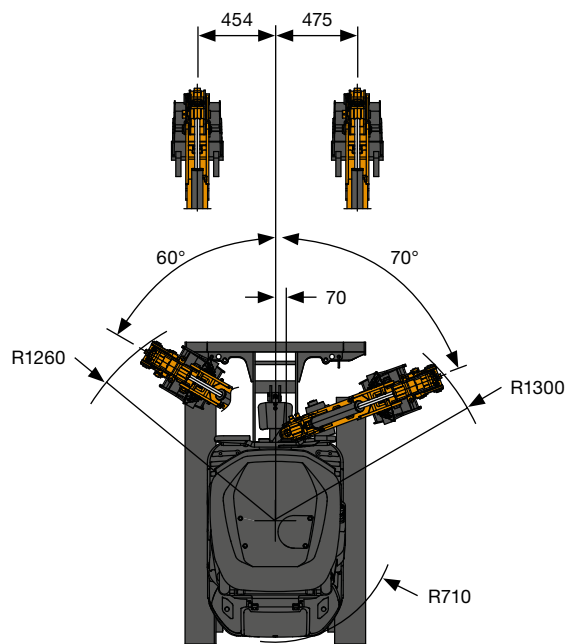
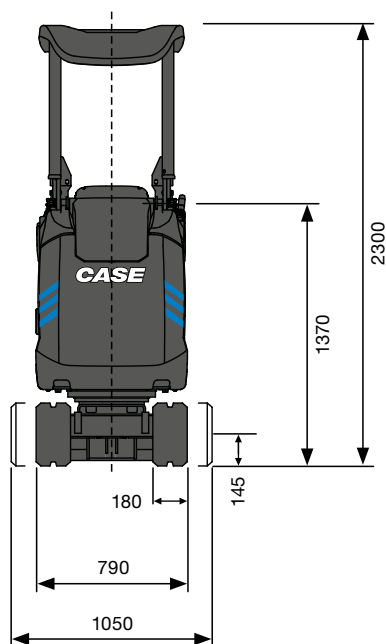
Boom, dipper stick,  
 bucket and turret swing \_\_\_\_\_ 2 electro-proportional joysticks  
 Track movements  
 (included counter rotation) \_\_\_\_\_ 2 electro-proportional levers  
 Dozer blade \_\_\_\_\_ electro-proportional lever  
 Auxiliary system AUX 1  
 (single or double effect) \_\_\_\_\_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

### WEIGHTS

Transport weight with roll-bar (kg) \_\_\_\_\_ 1315  
 Operating weight with roll-bar  
 and FOPS 1 roof ISO 6016 (kg) \_\_\_\_\_ 1420



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 <sup>2</sup>	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

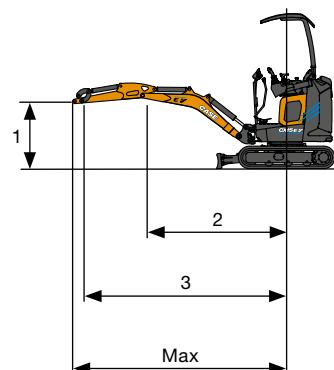
Opening arm from the rotation's center (m)  
Lifting capacity (kg) at 1.0 m height

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)
- + Travel alarm
- + 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
- + 1<sup>st</sup> Auxiliary (AUX1) circuit with Electro-Hydraulic proportional control
- + 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
- + 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)
- + CASE Sitewatch and SiteConnect

## OPTIONAL EQUIPMENT

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

## CASE AFTERMARKET SOLUTIONS

- + 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.