

CX15EV



MINI EXCAVATORS **ELECTRIC VEHICLE**



Electric miniexcavator

Electrical motor power 11.0 kW

Peak electrical motor power 16.0 kW

Operating weight 1420 kg

SPECIFICATIONS

CX15EV

ELECTRICAL MOTOR

Type _____ Internal Permanent Magnets (IPM)
 Electrical motor power (kW) _____ 11
 Peak electrical motor 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) _____ 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

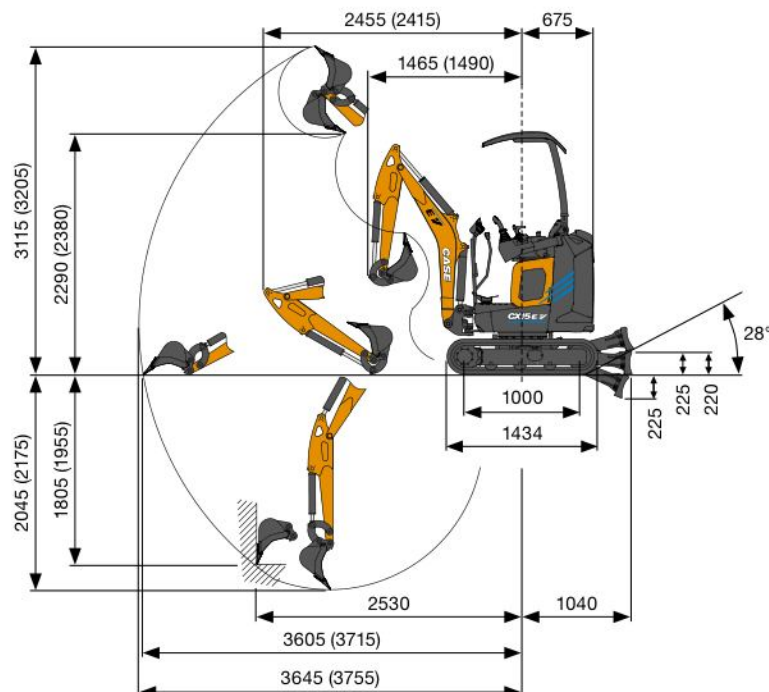
Control valve _____ Load Sensing Flow Sharing
 Hydraulic system capacity (l) _____ 15
 Pump type _____ 1 low-noise helical gear pump
 Pump displacement (cm³) _____ 10.1
 Pump flow rate (l/min) _____ 26
 Max. circuit calibration pressure (bar) _____ 180
 Auxiliary system (max pressure):
 AUX 1 single or double effect (l/min) _____ 28 - 180 bar
 AUX 2 - optional (l/min) _____ 10 / 7 - 180 bar

CONTROLS

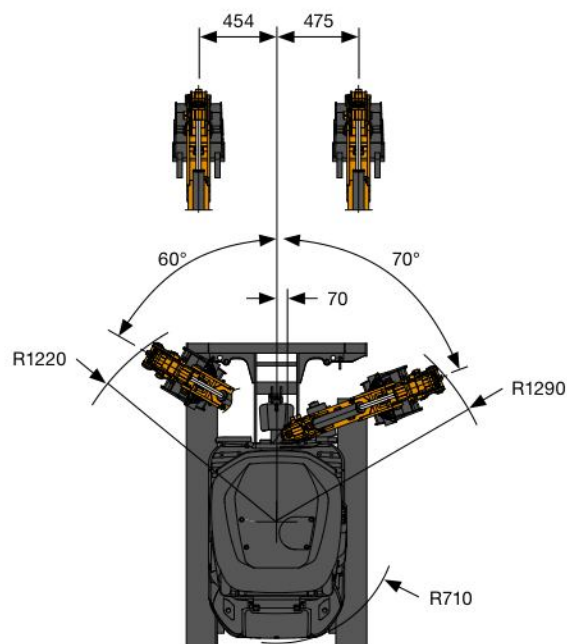
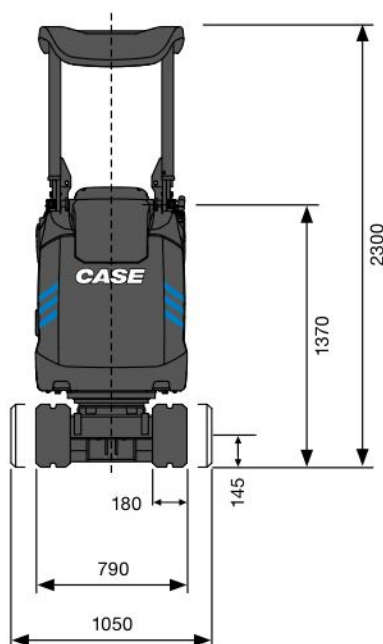
Boom, dipper stick,
 bucket and turret swing _____ 2 electro-proportional joysticks
 Track movements
 (included counter rotation) _____ 2 electro-proportional levers
 Dozer blade _____ electro-proportional lever
 Auxiliary system AUX 1
 (single or double effect) _____ electroproportional
 switch on right 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 breakout force	daN	1050	
Arm breakout force ISO 6015	daN	570	520
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	675
Digging arm length standard (optional)	mm	1020 (1150)
Rollers number (for each side)	n°	3

LIFTING CAPACITY

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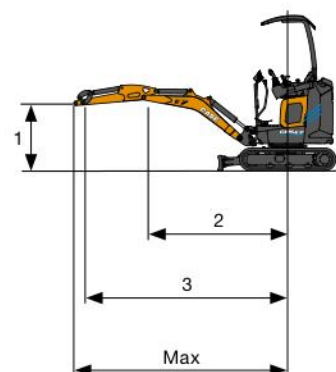
Standard dipper stick L = 1020 mm

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

LIFTING CAPACITY	2	3	Max
Frontal and lifted dozer blade	350*	190	180
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 AND OPTIONS

STANDARD EQUIPMENT

- + Tilttable 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
- + 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)
- + Low Noise 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
- + 2nd 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
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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.