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

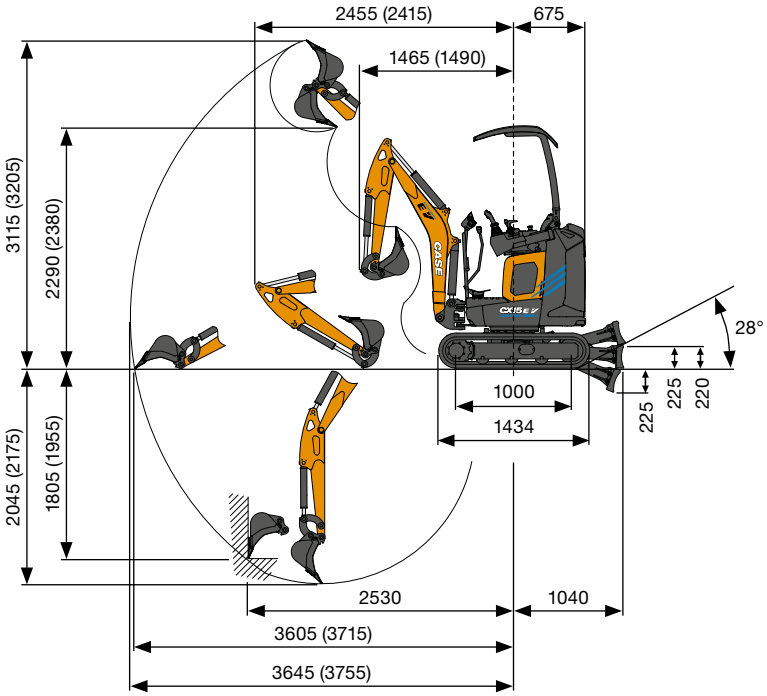
OPERATING MODES

	ECO	STD	PWR
Max. rpm	2400	2600	2800

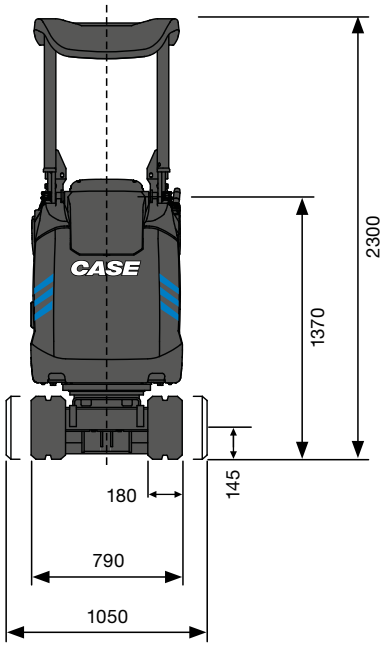
HYDRAULIC SYSTEM
Control valve _____ Load Sensing Flow Sharing
Hydraulic system capacity (l) _____ 15
Pump type _____ 1 low-noise helical gear pump
Pump displacement (cm^3) _____ 10.1
Pump flow rate (l/min) _____ 26
Max. circuit calibration pressure (bar) _____ 180
Auxiliary system (max pressure):
AUX 1 single or double effect (l/min) _____ 28 - 180 bar
AUX 2 - optional (l/min) _____ 10 / 7 - 180 bar

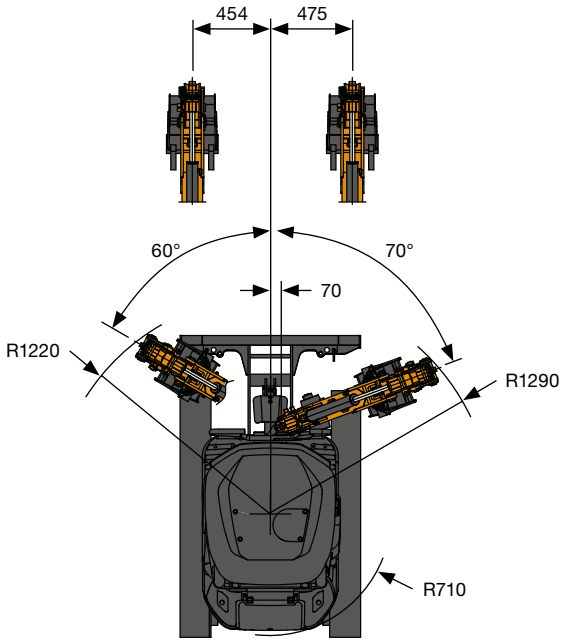
CONTROLS
Boom, dipper stick,
bucket and turret swing _____ 2 electro-proportional joysticks
Track movements
(included counter rotation) _____ 2 electro-proportional levers
Dozer blade _____ electro-proportional lever
Auxiliary system AUX 1
(single or double effect) _____ electroproportional switch on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

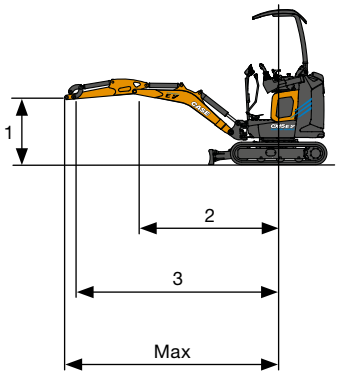
LIFTING CAPACITY
CX15EV

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

+ 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
+ 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 modevement 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

+ 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

CASECE.COM
00800-2273-7373

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Check in advance with your Mobile Operator if you will be charged. Toll free number not available from all calling areas.

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