CASE
CONSTRUCTION

MINIMUM SWING RADIUS EXCAVATOR
CX135

Engine Horsepower	70.9 kW - 95 hp
Operating weight (max.)	13.4 t
Bucket capacity	0.4 m^3 to 0.75 m^3

P R O F E S S I O N A L P A R T N E R

SPECIFICATIONS

ENGINE

Model _____ Isuzu AJ-4JJ1X, Tier III certified
Type _____ 4-stroke, turbocharged
Cylinders _____ 4
Bore/Stroke _____ 95.4 x 104.9 mm
Displacement 1 _____ 2999 cc
Fuel injection _____ Direct
Fuel injection pump _____ Electronic
Fuel _____ Diesel
Fuel filter _____ In-line strainer
Cooling _____ Liquid
Horsepower per SAE J1349
Net _____ 95 hp (70.9 kW) @ 2000 rpm
Maximum torque @ 1600 rpm
Net _____ 359 Nm

BOOM/ARM

Boom 4.73 m
Boom w/arm cylinder & plumbing _____ 974 kg
Hoist cylinders (2) _____ 122 kg ea
Total weight _____ 1218 kg
Arm 2.85 m
Bare arm _____ 387 kg
Bucket cylinder linkage & plumbing _____ 217 kg
Total weight _____ 604 kg
Arm 2.39 m
Bare arm _____ 304 kg
Bucket cylinder linkage & plumbing _____ 217 kg
Total weight _____ 521 kg

UNDERCARRIAGE

Number of top rollers
Top, each track _____ 1
Bottom, each trac _____ k 6
Number of shoes
Triple grouser - each track _____ 43
Link pitch _____ 171.5 mm
Gradeability _____ 70%

HYDRAULICS

Pumps (2) _____ Variable displacement axial piston design
Capacity
Maximum _____ 117.2 l/min)
System relief pressure
Standard _____ 34.3 MPa
Control valves
1-spool blade (optional)
4-spool section for left track
travel, boom, bucket and arm
5-spool section for right track
travel, boom, auxiliary, swing and arm
Boom and arm anti-drift valves
Pilot control hydraulic system
Pump (1) _____ Gear design
Maximum capacity _____ 20 l/min
Relief pressure _____ 3.9 MPa

Swing
Motor (1) _____ Fixed displacement axial piston design
Speed _____ 0-10.0 rpm
Brake _____ Mechanical disc
Travel
Motor (2) _____ Two-speed axial piston design
Final _____ drive Planetary gear reduction
Drawbar pull _____ 115 kN
Travel Speeds – 2 Auto shift high to low
Forward/Reverse
Low _____ 3.1 km/h
High _____ 5.0 km/h
Travel control valve
Dual stage relief and counter-balance design

HYDRAULIC CYLINDERS

Boom cylinders (2)
Bore diameter _____ 105 mm
Rod diameter _____ 75 mm
Stroke _____ 1120 mm
Arm cylinder (1)
Bore diameter _____ 115 mm
Rod diameter _____ 80 mm
Stroke _____ 1108 mm
Bucket cylinder (1)
Bore diameter _____ 95 mm
Rod diameter _____ 65 mm
Stroke _____ 881 mm

ELECTRICAL

Voltage _____ 24 volts, negative ground
Alternator _____ 50 amp
Batteries (2) _____ 12V Low-maintenance 72 Ah

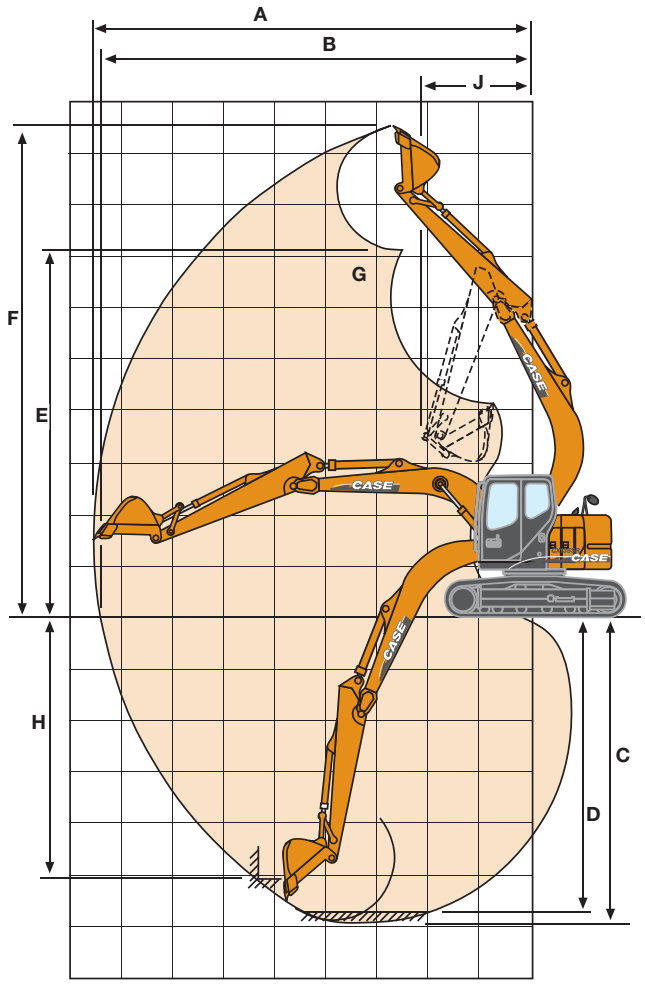
SERVICE CAPACITIES

Hydraulic tank
Refill capacity _____ 81 l
Total system _____ 130 l
Final drive (per side) _____ 2.1 l
Swing drive _____ 3.0 l
Engine
w/filter change _____ 17.2 l
Fuel _____ 165 l
Radiator _____ 14.1l

OPERATING WEIGHT

With 2.39 m arm, 600 mm track shoes, 340 kg bucket, 75 kg operator, full fuel and standard equipment _____ 13 440 kg

PERFORMANCE DATA



DIMENSIONS		2.85 m	2.39 m
A Maximum dig radius	m	8.57	8.21
B Dig radius at groundline	m	8.43	8.07
C Maximum dig depth	m	5.91	5.47
D Dig depth - 2.44 m level bottom	m	5.72	5.25
E Dump height	m	7.13	6.91
F Overall reach height	m	9.52	9.31
G Bucket rotation		178°	178°
H Vertical straight wall dig depth	m	5.08	4.85
J Minimum swing radius	m	2.23	1.78
Arm digging force Standard	kN	59.6	63.9
Bucket digging force Standard	kN	89.7	89.7

LIFTING CAPACITY

Values are expressed in kilos

2.85 m Arm, 340 kg bucket and 3220 kg counterweight in “Standard” Mode

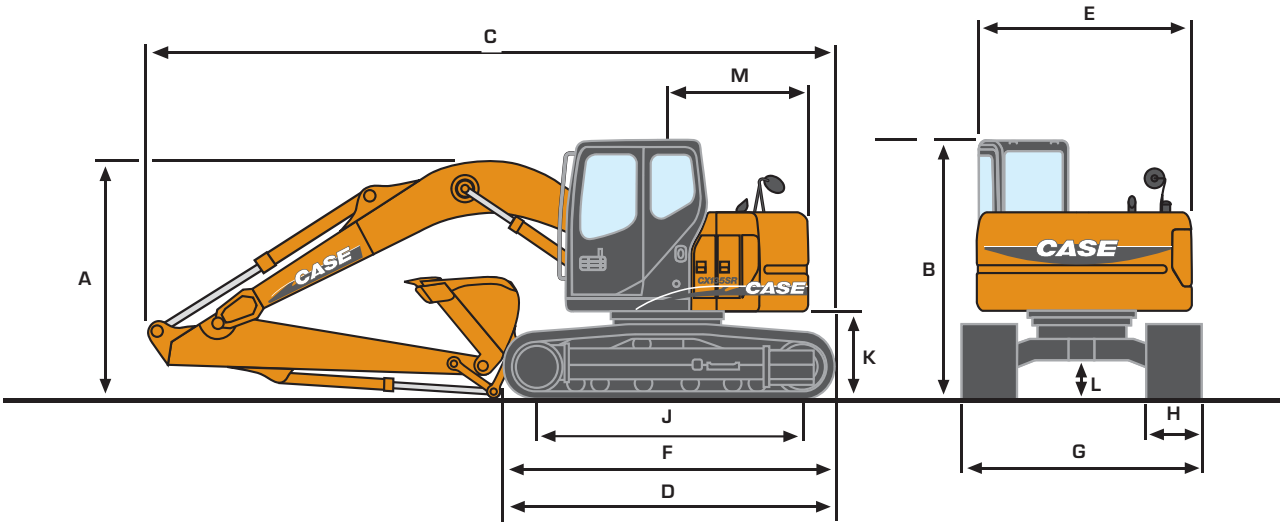
Front / 360°	REACH 1.52 m		3.05 m		4.57 m		6.1 m		7.62 m		At max reach		m
7.62 m											1701*	1701*	5.56
6.01 m					3062*	3062*					1520*	1520*	7.01
4.57 m					3047*	3434*	2858	2018			1451*	1270*	7.82
3.05 m			5307*	5307*	4332*	3175	2767	1950			1497*	1089	8.23
1.52 m			8051*	5511	4218	2903	2631	1814	1817	1255	1565	1043	8.3
0 m			7915	4944	3969	2654	2517	1701	1769	1179	1610	1066	8.05
-1.52 m	4899*	4899	7711	4808	38333	2540	2449	1633			1814	1202	7.44
-3.05 m	7507*	7507*	7711	4853	3810	2517	2449	1633			2359	1588	6.35
-4.57 m	8437*	8437*	5466*	4967	3583*	2631							

2.39 m Arm, 340 kg bucket 3220 kg counterweight in “Standard” Mode.

7.62 m											1617*	1617*	4.98
6.01 m					3159*	3159*					1390*	1390*	6.55
4.57 m					3976*	3333	2834	2018			1322*	1322*	7.42
3.05 m			6470*	6123	4490	3129	2766	1950			1322*	1224	7.85
1.52 m			8414	5375	4195	2880	2653	1837			1413*	1156	7.91
0 m			7847	4944	3991	2676	2562	1746			1572*	1202	7.67
-1.52 m	5223*	5223*	7824	4898	3878	2585	2494	1701			1866*	1383	7.04
-3.05 m	8376*	8376*	7423	4898	3900	2608					2524*	1882	5.84
-4.57 m			4384*	4384*									

NOTE: *Lift capacities do not exceed 75% of the minimum tipping load or 87% of the hydraulic lift capacity. Capacities that are marked with an asterisk are hydraulic limite

GENERAL DIMENSIONS



DIMENSIONS		2.85 m	2.39 m
A Overall height	m	2.75	2.75
B Cab height	m	2.75	2.75
C Overall length	m	7.23	7.23
D w/o attachment	m	3.51	3.51
E Width of upperstructure	m	2.42	2.42
F Track overall length	m	3.51	3.51
G Track overall width w/600 mm shoes	m	2.59	2.59
H Track shoe width	mm	600	600
J Center to center (idler to sprocket)	m	2.79	2.79
K Upperstructure ground clearance	m	0.88	0.88
L Minimum ground clearance	m	0.44	0.44
M Tail swing radius	m	1.48	1.48
Working weight*	kg	13 523	13 440
Ground pressure	kPa	36	36

*With 600 mm track shoe, 340 kg bucket, 75 kg operator, full fuel and standard equipment.

BUCKETS

GENERAL PURPOSE		
SAE capacity	m^3	0.40 to 0.75
Width	m	0.6 to 1.067

HEAVY DUTY		
SAE capacity	m^3	0.38 to 0.68
Width	m	0.6 to 1.00

DITCHING		
SAE capacity	m^3	0.57 to 0.67
Width	m	1.52 to 1.68

CX135

STANDARD EQUIPMENT & OPTIONS

STANDARD EQUIPMENT

Operator's compartment
- Cab with Isomount® system
- Adjustable deluxe seat with
- 76 mm seat belt
- Safety glass
- Air conditioning
- AM/FM Radio w/auto tuner
- Skylight
- Sliding front windows
- Windshield wiper w/washer

Engine
- Isuzu AJ-4JJ1X turbocharged diesel
- Tier III certified
- Glow plug
- Selectable one touch accelerator/decelerator

Electrical
- Batteries (2) 12V
- Horn, dual

Hydraulics
- ISO pattern pilot controls
- Position mode selector: S, E
- Variable flow piston pumps
- Neutral pump destroke
- Auxiliary hydraulic valve
- Boom and arm anti-drift valves
- Ultra Clean filtration system

Undercarriage
- Shoes: 600 mm 3-bar, 43 per side
- Track length: 13.51 m
- Track gauge: 1.99 m

Track drive
- 2-speed hydrostatic travel
- Straight tracking travel priority
- Disc-type parking brakes

Upperstructure
- Boom: 4.73 m one piece
- Hammer adaptable, no reinforcing required
- Swing brake

Other
- Counterweight: 3220 kg
- Single key vandal lockup

OPTIONS

Upperstructure
- Arm: 2.85 m

Uppercarriage
- Track Shoes: 700 mm
- Rubber Link Track
- Dozer blade
- Width: 2.49 m
- Height: .57 m

Hydraulics
- Auxiliary hydraulics
- Single acting, one pump
- Double acting, single or dual pump (includes heavy-duty bucket linkage)
- Double acting general purpose for use with thumb kit
- Control pattern selector valve

Other
- Load holding control devices
- Cylinder mounted
- Case/JRB Slide-Loc* Hydraulic
- Coupler

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Standard and optional equipment shown can vary by country.

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CASE Customer Assistance
00800-2273-7373

The call is free from a land line. Check in advance with your Mobile Operator if you will be charged.

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 reserves the right to modify machine specifications without incurring any obligation relating to such changes.

CE

Conforms to directive 98/37/CE

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