



MINIMUM SWING RADIUS EXCAVATOR **CX225**



Engine Horsepower	114.4 kW - 153 hp
Operating weight (max.)	24 t
Bucket capacity	0.50 m ³ to 1.17 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 AI-4HK1X, Tier III certified
Type _____ 4-stroke, turbocharged
Cylinders _____ 4
Bore/Stroke _____ 115 x 125 mm
Displacement _____ 5193 cc
Fuel injection _____ Direct
Fuel injection _____ pump Electronic
Fuel _____ Diesel
Fuel filter _____ In-line strainer
Cooling _____ Liquid
Horsepower per SAE J1349
Net _____ 153 hp [114.4 kW] @ 1800 rpm
Maximum torque @ 1500 rpm
Net _____ 616 Nm

BOOM/ARM

Boom 5.70

Boom w/arm cylinder & plumbing _____ 1682 kg
Hoist cylinders _____ 200 kg ea
Total weight _____ 2082 kg

Arm 3.00 m

Bare arm _____ 598 kg
Bucket cylinder linkage & plumbing _____ 348 kg
Total weight _____ 946 kg

Arm 2.40 m

Bare arm _____ 510 kg
Bucket cylinder linkage & plumbing _____ 348 kg
Total weight _____ 858 kg

UNDERCARRIAGE

Number of rollers
Top, each track _____ 2
Bottom, each track _____ 8
Number of shoes
Triple grouser - each side _____ 49
Link pitch _____ 190 mm
Gradeability _____ 70%

HYDRAULICS

Pumps (2) _____ Variable displacement axial piston design
Capacity
Maximum _____ 190 l/min

System relief pressure

Standard _____ 34.3 MPa
Power Boost _____ 37.3 MPa

Control valves

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 _____ 0-10.6 rpm
Brake _____ Mechanical disk

Travel

Motor (2) _____ Two-speed axial piston design
Final _____ drive Planetary gear reduction
Drawbar pull _____ 187 kN

Travel Speeds - 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 _____ 125 mm
Rod diameter _____ 90 mm
Stroke _____ 1284 mm

Arm cylinder (1)

Bore diameter _____ 135 mm
Rod diameter _____ 95 mm
Stroke _____ 1474 mm

Bucket cylinder (1)

Bore diameter _____ 115 mm
Rod diameter _____ 80 mm
Stroke _____ 1012 mm

ELECTRICAL

Voltage _____ 24 volts, negative ground
Alternator _____ 50 amp
Batteries (2) _____ Low-maintenance 92 Ah

SERVICE CAPACITIES

Hydraulic tank

Refill capacity _____ 120 l
Total system _____ 205 l
Final drive (per side) _____ 4.7 l
Swing drive _____ 5.0 l

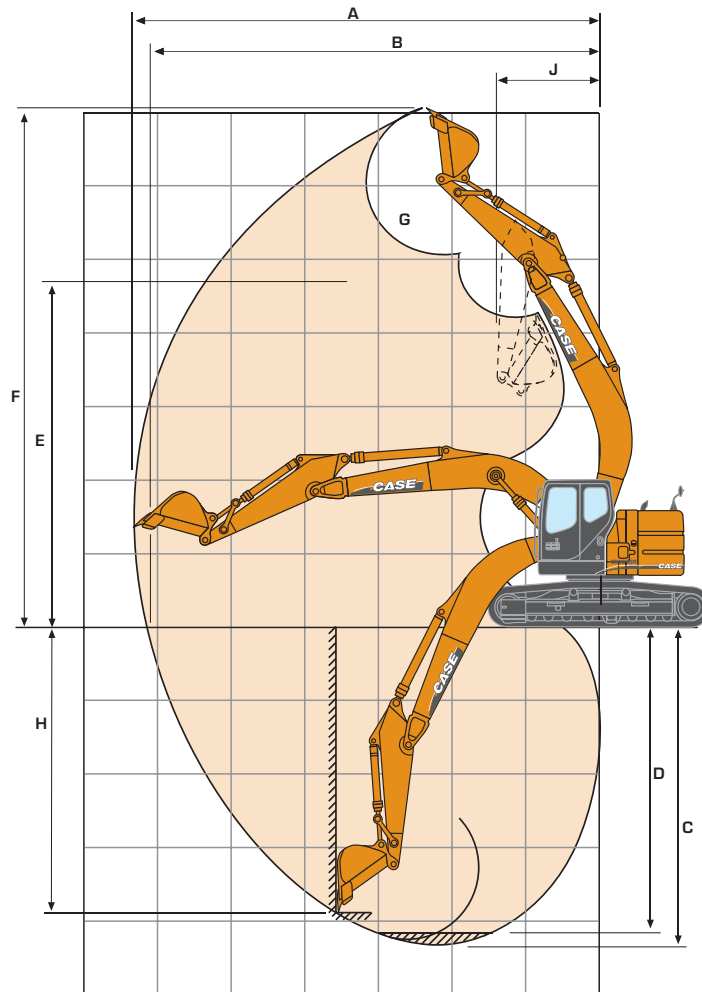
Engine

w/filter _____ 23.1 l
Fuel _____ 265 l
Radiator _____ 25.6 l

OPERATING WEIGHT

With 3.00 m arm, 800 mm track shoes, 641 kg bucket,
75 kg operator; full fuel and standard equipment _____ 24 141 kg

PERFORMANCE DATA



DIMENSIONS

		3.00 m	2.40 m	
A	Maximum dig radius	m	9.9	9.37
B	Dig radius at groundline	m	9.73	9.18
C	Maximum dig depth	m	6.70	6.10
D	Dig depth - 2.44 m level bottom	m	6.52	5.89
E	Dump height	m	8.02	7.63
F	Overall reach height	m	10.91	10.52
G	Bucket rotation		177°	177°
H	Vertical straight wall dig depth	m	6.06	5.48
J	Minimum swing radius	m	2.30	2.54
Arm digging force				
	Standard	kN	95.0	115
	Power Boost	kN	104.0	126
Bucket digging force				
	Standard	kN	130	130
	Power Boost	kN	141	141

CX2

LIFTING CAPACITY

Values are expressed in kilos

Front 360°	REACH				
	3.05 m	4.57 m	6.01 m	7.62 m	At max reach
					m

3.00 m Arm Lift, 641 kg bucket, 5853 kg counterweight operating in "Standard" Mode

9.14 m									2708*	2708*	6.10
7.62 m									2390*	2390*	7.72
6.01 m					4477*	4477*			2254*	2254*	8.71
4.57 m			5633*	5633*	4930*	4794*	4545*	3228	2254*	2253	9.30
3.05 m	10668*	10688*	7153*	7084	5656*	4543	4439*	3115	2322*	2071	9.58
1.52 m	9625*	9625*	8786*	6630*	6382*	4171	5065	2979	2458*	2003	9.58
0 m	8423*	8423*	9602*	6244	6881*	4044	4929	2865	2730*	2094	9.27
-1.52 m	10986*	10986*	9557*	6086	6857	3931	4861	2797	3161*	2321	8.69
-3.05 m	12755*	12097*	8854*	6108	6495*	3908	4658*	2820	3910*	2865	7.67
-4.57 m	10056*	10056*	7175*	6244	4976*	4044			3070*	3070*	6.02

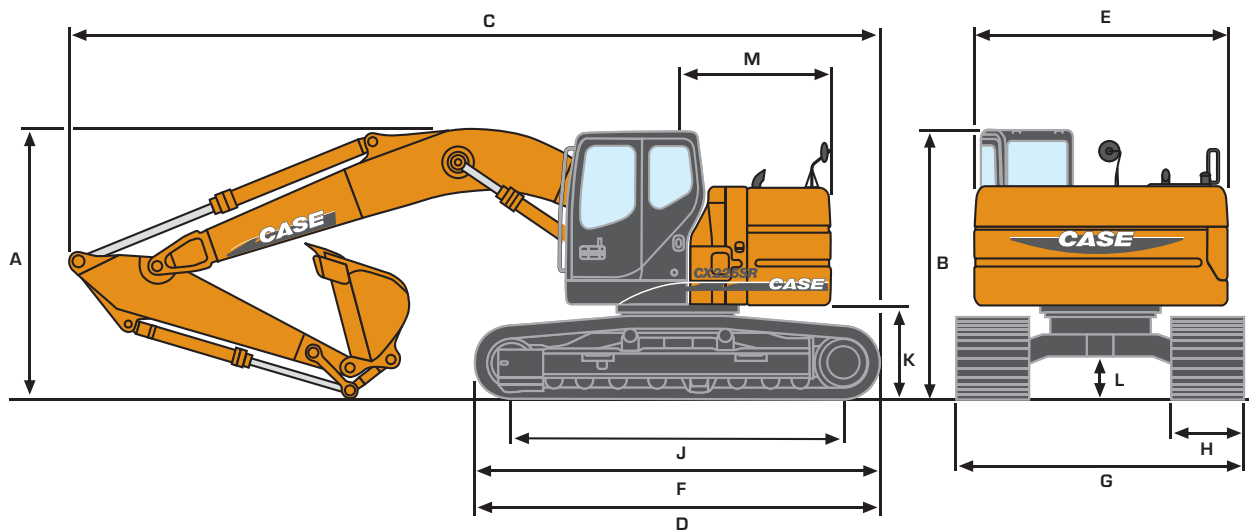
2.40 m Arm, 641 kg bucket, 5853 kg counterweight operating in "Standard" Mode.

9.14 m									4128*	4128*	5.11
7.62 m									3561*	3561*	7.01
6.01 m			5375*	5375*	4899*	4831			3379*	2948	8.10
4.57 m	8437*	8437*	6396*	6396*	5443*	4717	4899*	3175	3357*	2517	8.13
3.05 m	10206*	10206*	7870*	7053	6078*	4991	5148	3107	3447*	2991	9.02
1.52 m			9367*	6532	6713*	4241	5058	2971	3674*	2245	9.02
0 m	7666*	7666*	9752*	6237	7008	4060	4944	2880	4037	2336	8.71
-1.52 m	10977*	10977*	9457*	6169	6917	3969	4921	2858	4377*	2654	8.05
-3.05 m	11748*	11748*	8414*	6237	6146*	4014			3924*	3402	6.96
-4.57 m	8482*	8482*	6169*	6169*							

*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 limited.

225

GENERAL DIMENSIONS



DIMENSIONS

		3.00 m	2.40 m
A Overall height	m	2.97	3.14
B Cab height	m	2.97	2.97
C Overall length	m	8.85	8.93
D w/o attachment	m	4.46	4.46
E Width of upperstructure	m	2.80	2.80
F Track overall length	m	4.46	4.46
G Track overall width w/800 mm shoes	m	3.19	3.19
H Track shoe width	mm	800	800
J Center to center [idler to sprocket]	m	3.66	3.66
K Upperstructure ground clearance	m	1.02	1.02
L Minimum ground clearance	m	0.46	0.46
M Tail swing radius	m	1.72	1.72
Working weight*	kg	24141	24053
Ground pressure	kPa	38	38

*With 800 mm track shoe, 641 kg bucket, 75 kg operator, full fuel and standard equipment.

BUCKETS

GENERAL PURPOSE

SAE capacity	m ³	0.50 to 1.17
Width	m	0.61 to 1.22

HEAVY DUTY PLATE LIP

SAE capacity	m ³	0.49 to 1.15
Width	m	0.61 to 1.22

EXTREME-DUTY RATE LIP

SAE capacity	m ³	0.44 to 0.75
Width	m	0.61 to 0.91

DITCHING

SAE capacity	m ³	0.83 to 0.92
Width	m	1.52 to 1.68

HEAVY CAST LIP

SAE capacity	m ³	0.42 to 0.57
Width	m	0.61 to 0.76

CX225

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 AI-4HK1X turbocharged diesel
- Tier III certified
- Glow plug
- Selectable one touch or auto accelerator/ decelerator

Electrical

- Batteries (2) 12-volt
- Horn

Hydraulics

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

Undercarriage

- Shoes: 800 mm 3-bar, 49 per side
- Track length: 4.46 m
- Track gauge: 2.39 m

Track drive

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

Upperstructure

- Boom: 15.70 m one piece
- Free swing control
- Hammer adaptable, no reinforcing required
- Swing brake

Other

- Counterweight: 5940 kg
- Single key vandal lockup

OPTIONS

Upperstructure

- Arm: 3.00 m or 2.40 m

Uppercarriage

- Track Shoes: 700 mm
- Track Shoes: 600 mm

Hydraulics

- Auxiliary hydraulics
- Single acting, one pump (includes heavy-duty bucket linkage)
- 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

Standard and optional equipment shown can vary by country.

Worldwide Case Construction Equipment Contact Information

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SHANGHAI, 200131, P.R.C.



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.



Conforms to directive 98/37/CE

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