CASE CONSTRUCTION

INTERNATIONAL

CXB HYDRAULIC EXCAVATORS

CX800B

CXB HYDRAULIC EXCAVATORS

CX800B

Case has been at the cutting edge of the bulk earthmoving and muckshifting industry for many years. Case equipment plays a leading role in major infrastructure and construction projects around the world, with Case customers confident that they have the right machine to meet their needs

The CX800B takes Case to new levels of productivity and performance. Boasting legendary durability and reliability, the CX800B is the most powerful machine in the Case line-up.

Power to perform

The CX800B is powered by an EU Stage IIIA compliant Isuzu engine, offering 532 hp (397 kW) of power and an incredible 2,250 Nm of torque. This electronically-controlled power plant offers proven low fuel consumption and reduced exhaust emissions, yet has class-leading performance.

Operator satisfaction

The expansive CX-B series cab offers class-leading levels of visibility and comfort for the operator. With increased glazed area, including a single piece right hand window, the operator has a commanding view of the working area.

Ultimate productivity

Twin variable displacement hydraulic pumps provide up to 500 litres/min each of flow, allowing a dipper arm digging force of 317 kN and a bucket breakout force of 430 kN in mass excavation layout.

Service access

Large wide opening access doors and sturdy non-slip walkways on both sides of the machine provide ease of maintenance for technicians. All filters are centrally grouped with green oil drain facilities for engine oil.
A hydraulically-driven cooling fan can be reversed on start up to blow out dust and debris.

Mass excavation

The CX800B mass excavation is equipped with a 7.25m main boom and a extra heavy duty 2.98m dipperstick, for maximum penetration and increased loading productivity


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Precision control

Through the Case Intelligent Computer Command Control System (ICCCS) the operator has complete control of engine output and hydraulic power. With a choice of operating modes, the operator has a Superpower function, with automatic Power Boost, for maximum tearout and reduced cycle times.

Customer peace of mind is assured with total protection of the hydraulic system, thanks to a synthetic filter that ensures the lowest possible levels of contamination. This advanced filter provides hydraulic oil change intervals of up to 5,000 hours, reducing downtime and operating costs.

Dedicated boom and arm combinations, including a short stick mass excavation format, provide increased productivity in all operating conditions. The CX800B can handle buckets with capacities up to 5m³.

Environmental responsibility

The CX800B uses the same well proven fuel efficient Isuzu six cylinder engine as the CX700B. However power is increased by 15% and torque is up by 13.6%, providing increased productivity and performance in all conditions. The engine is EU Stage IIIA compliant, offering low specific fuel consumption and cleaner exhaust emissions.

Pilot fuel injection and a hydraulically-driven cooling fan contribute to greatly reduced noise levels, both in the cab and outside the machine.

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Improved visibility
The CXB series cab offers larger glazed area and reduced pillar width for improved all round visibility. Despite the slim pillars, the cab structure is up to three times stronger, reducing noise and vibration for the operator.

Hydraulic force
With up to 500 litres of flow from each of the system's two variable displacement hydraulic pumps the CX800B has the power to perform in the toughest environment. Through the use of the ICCCS control system, the operator can achieve the perfect balance between performance and economy.

Premium control and comfort
Multi-mode hydraulic control with Superpower and Power Boost provides the operator with maximum performance when required. The fully adjustable levers are fine tuned for perfect control, increasing operator confidence and boosting productivity. The CX-B cab is considerably larger, with up to 60 mm of additional foot space. The footrests and controls have been positioned for maximum comfort. Climate control air-conditioning is standard, with multiple air vents providing the optimum working environment for the operator.

Application specific
A choice of general purpose dipper arms are available, with a short mass excavation arm suitable for the toughest digging and loading tasks. Dipper arm digging force is up to 317 kN with a bucket breakout force of 430 kN, providing the CX800B with the power to perform in quarry and rock applications.

Increased versatility
Not just an incredible earthmoving machine, the CX800B can be supplied with auxiliary hydraulic hoses to power a range of attachments. An 8m one piece boom is available for long reach applications and the machine has an attachment cushion control for both boom and arm.

Durability and reliability
Sturdy underbelly plates protect the underside of the machine. EMS Extended Maintenance System bushings, provide 1,000 hour greasing intervals on all pins except the attachment linkage. Anti-friction shims at the base of the boom limit friction and noise during operation.

Proven driveline
All Case track components are designed for extended durability, proven in the most arduous working conditions across the world. Heat treated sprockets, improved track guides and increased pin hardness results in extended operating life. Three-piece undercarriage covers protect hydraulic lines.

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Ultimate environment

The Case CXB range of hydraulic excavators feature one of the largest, most comfortable cabs in the business. Class-leading levels of visibility, thanks to larger glazed areas and slim pillars, provide the operator with an unparalleled view to the working area.

A comfortable fully reclining operator's seat, standard air conditioning with nine outlet louvres to distribute heat and ventilation ensure that the driver remains comfortable throughout the working day. Cup holders, a clock, a mobile phone holder, a built-in coolbox and numerous storage compartments make the Case cab the ideal environment to ensure maximum productivity.

The cab sits on isolating mountings that reduce noise and vibration, improving the working environment for the operator and boosting productivity.

Service simplicity results in reduced downtime

Wide walkways and large opening doors provide easy access to the filters, making regular maintenance easier and safer for service engineers. Green engine oil drain taps are supplied to ensure that there is no risk of contamination on sensitive ground.

The machine is equipped with a high flow electric refuelling pump with auto shut-off, which in combination with a large fuel tank results in reduced downtime. Electrical switches and connections are located in a centralised sealed cabinet within the cab, ensuring that sensitive electronics are protected from dust and weather ingress.

The CX800B uses Extended Maintenance System (EMS) bushings on all pins except for the attachment linkage. EMS bushings allow 1,000 hour greasing intervals, with 250 hour intervals on the attachment pins. Anti-friction shims further reduce wear on the boom foot and head linkage, cutting noise and operating cost for the customer.

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Specifications

Engine

Make _____ ISUZU
Type _____ AH-6WG1XYSS-02
Water-cooled, 4-cycle diesel, 6-cylinder in line, direct injection,
Turbocharger with air cooled intercooler, without cooling fan
Number of cylinders _____ 6
Bore/Stroke _____ 147 x 154 mm
Horsepower 80/1269/EEC _____ 532 hp (397 kW) @ 1800 rpm
Maximum torque 80/1269/EEC _____ 2250 Nm @ 1500 rpm

Hydraulic system

Max output _____ 2 x 500 l/min @ 1800 rpm
2 variable displacement axial piston pumps _____ Yes
Attachment _____ 31.4 MPa
Swing circuit _____ 26.5 MPa
Travel _____ 34.3 Mpa

Swing

Max upperstructure swing speed _____ 6.4 rpm

Travel

Travel motor _____ Variable displacement axial piston motor
Max travel speed _____ 4.2 km/h (Automatic travel speed shifting)
Low travel speed _____ 2.9 km/h
Gradeability _____ 70% (35°)
Drawbar pull _____ 565 kN

Electrical system

Circuit _____ 24V
Alternator _____ 50 Amp

Undercarriage

Number of carriers rollers (each side) _____ 3
Number of track rollers (each side) _____ 8
Number of shoes each side _____ 51
Type of shoe _____ Double grouser shoe

Circuit and component capacities

Fuel tank _____ 900 l
Hydraulic system _____ 720 l
Engine cooling system _____ 133 l

Bucket

Heavy duty bucket with teeth/Toplok

SAE Heaped Capacity	2400 l	2780 l	3300 l	3700 l	4100 l	5000 l
Width	1300 mm	1450 mm	1650 mm	1800 mm	1900 mm	2300 mm

Extreme duty bucket with Toplok

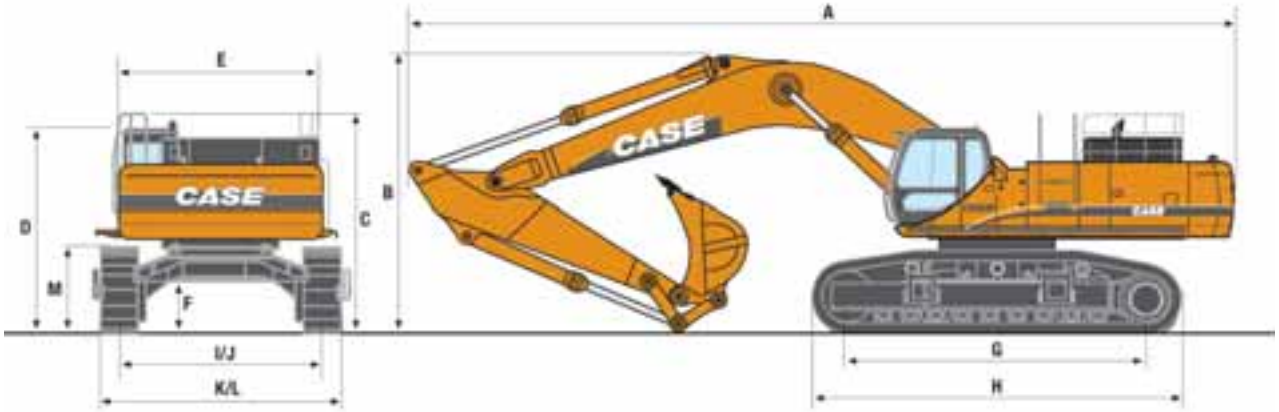
SAE Heaped Capacity	2400 l	2780 l	3300 l	3700 l	4100 l
Width	1300 mm	1450 mm	1650 mm	1800 mm	1900 mm

Rock

SAE Heaped Capacity	4110 l
Width	1800 mm

General dimensions

With 8.40 m standard boom



		Arm 3.66 m	Arm 4.44 m	Arm 5.62 m
	Overall length (without attachment)	7640 mm	7640 mm	7640 mm
A	Overall length (with attachment)	14360 mm	14320 mm	13830 mm
B	Overall height (with attachment)	4810 mm	5000 mm	6300 mm
C	Overall height (without attachment)	3880 mm	3880 mm	3880 mm
D	Cab height	3570 mm	3570 mm	3570 mm
E	Upper structure overall width (without catwalks)	3470 mm	3470 mm	3470 mm
	Upper structure overall width (with catwalks)	4250 mm	4250 mm	4250 mm
	Swing (rear end) radius	4300 mm	4300 mm	4300 mm
	Clearance height under upper structure	1590 mm	1590 mm	1590 mm
F	Minimum ground clearance	890 mm	890 mm	890 mm
G	Wheel base (Center to center of wheels)	5070 mm	5070 mm	5070 mm
H	Crawler overall length	6360 mm	6360 mm	6360 mm
I	Track gauge (Extended)	3450 mm	3450 mm	3450 mm
J	Track gauge (Retracted)	2830 mm	2830 mm	2830 mm
K	Undercarriage overall width (Extended) (with 650 mm shoes)	4360 mm	4360 mm	4360 mm
L	Undercarriage overall width (Retracted) (with 650 mm shoes)	3740 mm	3740 mm	3740 mm
M	Crawler tracks height	1500 mm	1500 mm	1500 mm

Weight and ground pressure

With 3.66 m Arm, 3.3 m^3 bucket, operator, lubricant, coolant and full fuel tank

	Weight (kg)	Ground pressure (MPa)
650 mm grouser shoe	80.300	0.11

MASS EXCAVATOR. With 2.98 m Arm, 4.1 m^3 bucket, operator, lubricant, coolant and full fuel tank

	Weight (kg)	Ground pressure (MPa)
650 mm grouser shoe	80.400	0.11

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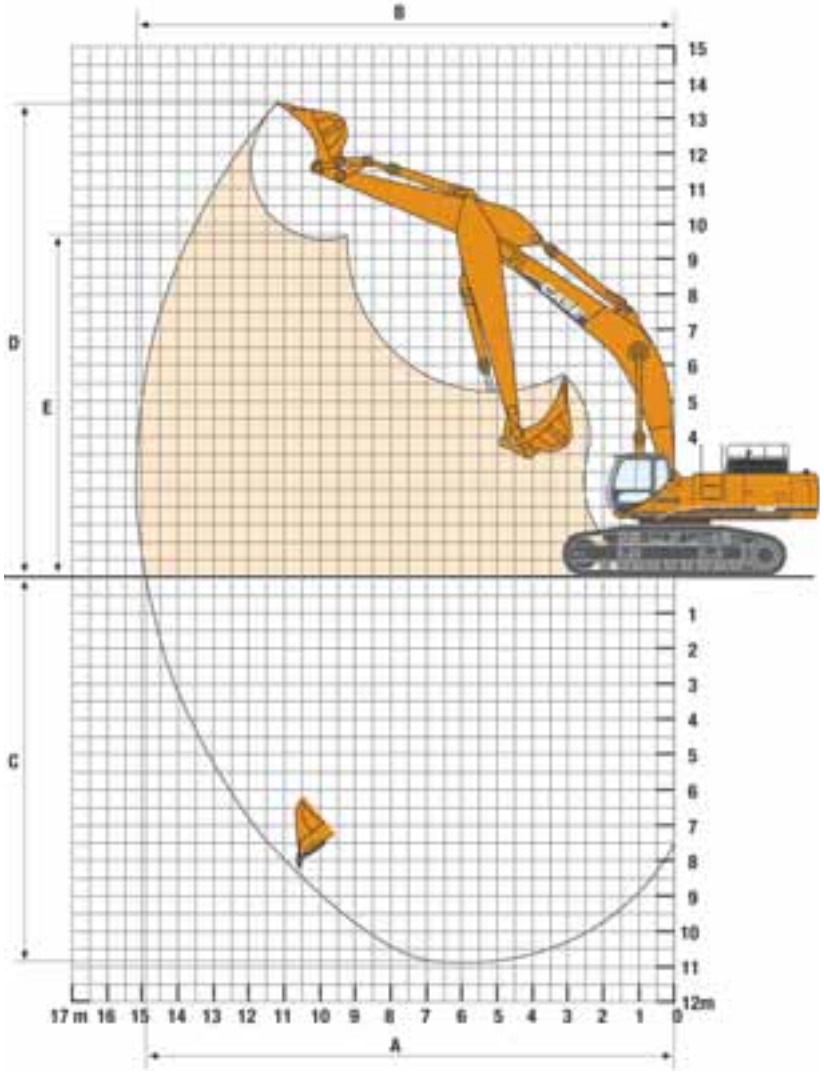
Performance data

With 8.40 m standard boom



		Arm 3.66 m	Arm 4.44 m	Arm 5.62 m
	Boom length	8400 mm	8400 mm	8400 mm
	Bucket radius	2200 mm	2200 mm	2200 mm
	Bucket wrist action	167 °	167 °	167 °
A	Maximum reach at GRP	13840 mm	14680 mm	15860 mm
B	Maximum reach	14120 mm	14940 mm	16110 mm
C	Max. digging depth	8690 mm	9470 mm	10560 mm
D	Max. digging height	12910 mm	13600 mm	14300 mm
E	Max. dumping height	8920 mm	9510 mm	10170 mm
	Arm digging force	274 kN	232 kN	195 kN
	Bucket digging force	330 kN	330 kN	330 kN

Lifting capacity

Front / 360°

REACH

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		At max reach		m
Standard arm. 3.66 arm length, 3.3 m³ (2994.4 kg) bucket, 650G shoes, max reach 12.13 m																			
9.0 m																	7360*	7360*	10.4
7.5 m									12850*	12850*	11290*	11290*					7346*	7346*	11.2
6.0 m									13801*	13801*	12503*	11335					7530*	7530*	11.7
4.5 m			32725*	32725*	22604*	22604*	17776*	17776*	14966*	14183	13168*	10830	7956*	7956*			7908*	7908*	12
3.0 m					25851*	24969	19692*	17794	16140*	13347	13868*	10309	9908*	8090			8510*	7925	12.1
1.5 m			15457*	5457*	27923*	23350	21169*	16708	17110*	12631	14455*	9846	10222*	7820			9406*	7746	12.1
0 m			20263*	20263*	28625*	22508	21967*	15989	17697*	12108	14780*	9497					10734*	7841	11.8
-1.5 m	17914*	17914*	26831*	26831*	28178*	22196	21989*	15618	17750*	11807	14674*	9304					12777*	8259	11.3
-3.0 m	25229*	25229*	34435*	34435*	26711*	22248	21162*	15548	17101*	11737	13858*	9314					13550*	9130	10.7
-4.5 m	33215*	33215*	30442*	30442*	24102*	22609	19285*	15763	15412*	11933							13795*	10766	9.66
-6.0 m			24639*	24639*	19891*	19891*	15787*	15787*									13655*	13655*	8.3
Long arm. 4.44 arm length, 3.0 m³ (2893 kg) bucket, 650G shoes, max reach 13.06 m																			
10.5 m																	4567*	4567*	10.5
9.0 m											8304*	8304*					4323*	4323*	11.5
7.5 m											10495*	10495*	5225*	5225*			4232*	4232*	12.2
6.0 m									12694*	12694*	11585*	11570	8011*	8011*			4265*	4265*	12.7
4.5 m							16423*	16423*	13965*	13965*	12356*	11025	10044*	8515			4412*	4412*	12.9
3.0 m			26410*	26410*	24134*	24134*	18551*	18313	15287*	13625	13181*	10456	11734*	8161			4681*	4681*	13.1
1.5 m			18446*	18446*	26852*	24050	20341*	17087	16457*	12828	13925*	9932	12148*	7829			5099*	5099*	13
0 m	9622*	9622*	19719*	19719*	28281*	22859	21520*	16202	17292*	12206	14452*	9508	12383*	7565			5715*	5715*	12.8
-1.5 m	15066*	15066*	23858*	23858*	28497*	22273	21961*	15668	17649*	11795	14622*	9225	10595*	7411			6627*	6627*	12.3
-3.0 m	20696*	20696*	29696*	29696*	27638*	22114	21595*	15444	17390*	11605	14252*	9112					8030*	7719	11.7
-4.5 m	26995*	26995*	33444*	33444*	25679*	22289	20294*	15501	16299*	11648	12974*	9224					10382*	8849	10.8
-6.0 m	34495*	34495*	28531*	28531*	22342*	22342*	17719*	15853	13856*	11987							12272*	10914	9.6
-7.5 m			21231*	21231*	16872*	16872*	12869*	12869*									11599*	11599*	7.94
S-Long arm. 5.62 arm length, 2.4 m³ (2590.2 kg) bucket, 650G shoes, max reach 14.29 m																			
10.5 m																	3828*	3828*	12
9.0 m													6375*	6375*			3607*	3607*	12.8
7.5 m													7740*	7740*			3503*	3503*	13.5
6.0 m											10130*	10130*	8911*	8911*	5432*	5432*	3492*	3492*	13.9
4.5 m									12267*	12267*	11012*	11012*	10123*	8773	6713*	6713*	3568*	3568*	14.2
3.0 m			29671*	29671*	20952*	20952*	16459*	16459*	13759*	13759*	11981*	10759	10739*	8343	7620*	6518	3733*	3733*	14.3
1.5 m			25500*	25500*	24432*	24432*	18635*	17731	15176*	13195	12916*	10134	11336*	7924	8119*	6254	4001*	4001*	14.3
0 m			20736*	20736*	26827*	23464	20322*	16569	16337*	12406	13694*	9593	11817*	7559	7853*	6030	4395*	4395*	14
-1.5 m	12661*	12661*	22080*	22080*	28017*	22408	21346*	15765	17096*	11820	14196*	9178	12071*	7283	6044*	5887	4965*	4965*	13.6
-3.0 m	16883*	16883*	25848*	25848*	28090*	21888	21627*	15299	17337*	11453	14295*	8917	11945*	7130			5796*	5796*	13.1
-4.5 m	21857*	21857*	31433*	31433*	27092*	21772	21088*	15131	16925*	11310	13811*	8835	10073*	7153			7063*	6918	12.3
-6.0 m	27874*	27874*	32922*	32922*	24912*	21999	19555*	15245	15618*	11404	12371*	8981					9165*	8144	11.2
-7.5 m	35591*	35591*	27509*	27509*	21180*	21180*	16606*	15670	12818*	11808							10622*	10362	9.85
-9.0 m					14947*	14947*	10999*	10999*									9695*	9695*	7.95
S-Long arm. 5.62 arm length, 2.4 m3 (2590.2 kg) bucket, 650G shoes, max reach 14.29 m																			
9.0 m																	11951*	11951*	8.14
7.5 m									12706*	12706*							11849*	11849*	9.12
6.0 m							17649*	17649*	15806*	14924							12177*	12177*	9.76
4.5 m			32815*	32815*	23861*	23861*	19339*	19339*	16657*	14276							12908*	11474	10.14
3.0 m			37900*	37900*	26957*	26041	21050*	18302	17572*	13585							14119*	10767	10.29
1.5 m			29256*	29256*	28981*	24424	22329*	17305	18262*	12981							15918*	10543	10.22
0 m			33857*	33857*	29512*	23526	22825*	16643	18436*	12560							16349*	10810	9.91
-1.5 m	26302*	26302*	37697*	37697*	28538*	23207	22273*	16342	17737*	12390							16789*	11709	9.35
-3.0 m	37483*	37483*	33429*	33429*	25946*	23350	20297*	16415									17100*	13659	8.49
-3.0 m			26780*	26780*	21110*	21110*											16866*	16866*	7.21

* Hydraulic capacity 87%

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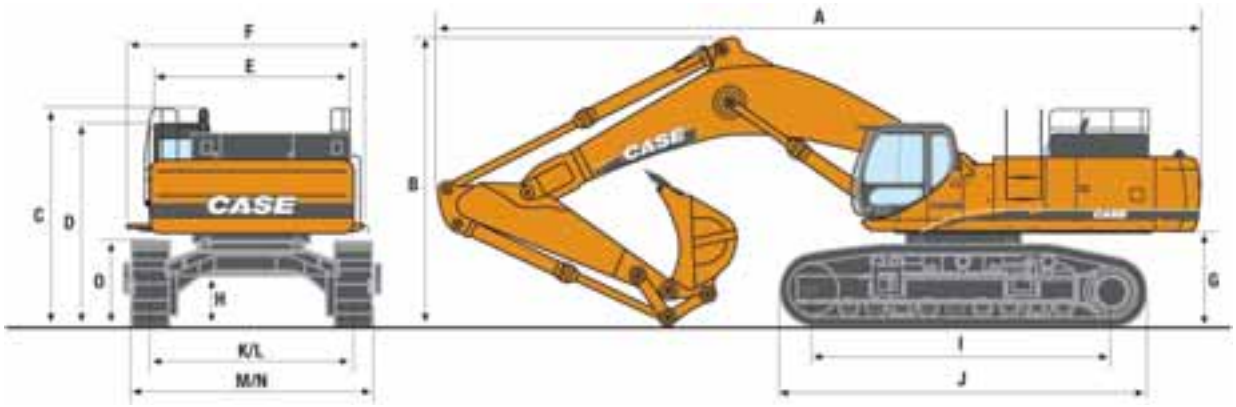
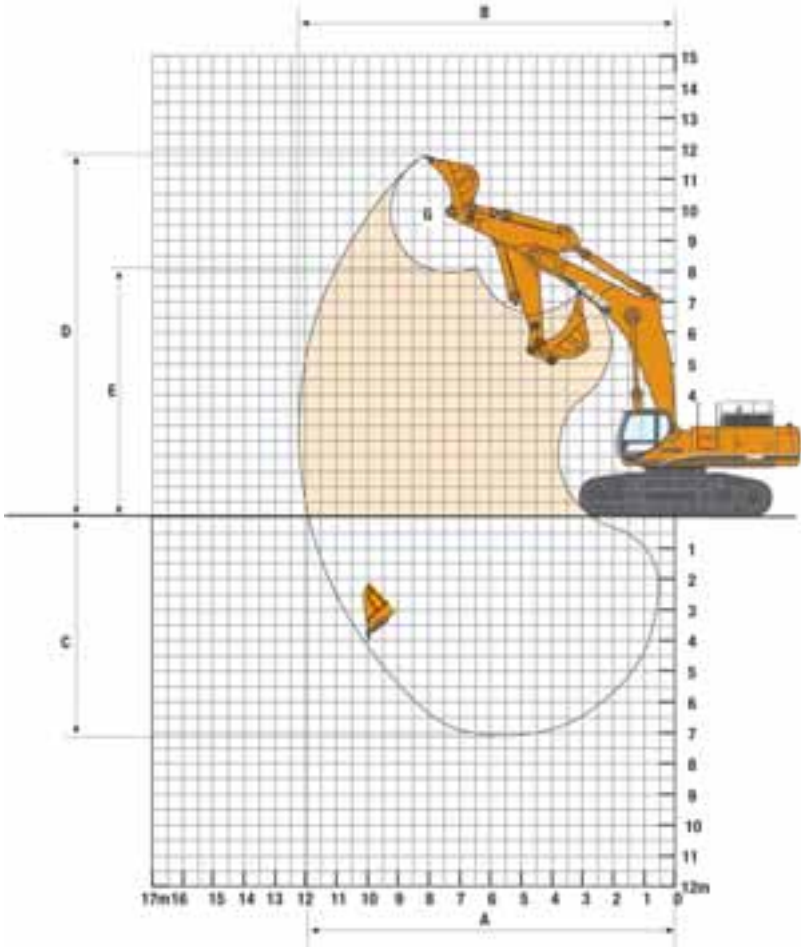
General dimensions - Mass excavator



		Arm 2.98 m
	Overall length (without attachment)	7640 mm
A	Overall length (with attachment)	13230 mm
B	Overall height (with attachment)	5000 mm
C	Overall height (without attachment)	3880 mm
D	Cab height	3570 mm
E	Upper structure overall width (without catwalks)	3470 mm
F	Upper structure overall width (with catwalks)	4250 mm
	Swing (rear end) radius	4300 mm
G	Clearance height under upper structure	1590 mm
H	Minimum ground clearance	890 mm
I	Wheel base (Center to center of wheels)	5070 mm
J	Crawler overall length	6360 mm
K	Track gauge (Extended)	3450 mm
L	Track gauge (Retracted)	2830 mm
M	Undercarriage overall width (Extended) (with 650 mm shoes)	4360 mm
N	Undercarriage overall width (Retracted) (with 650 mm shoes)	3740 mm
O	Crawler tracks height	1500 mm

Performance data - Mass excavator



		Arm 2.98 m
	Boom length	7250 mm
	Bucket radius	2200 mm
	Bucket wrist action	162 °
A	Maximum reach at GRP	11990 mm
B	Maximum reach	12310 mm
C	Max. digging depth	7030 mm
D	Max. digging height	11760 mm
E	Max. dumping height	7890 mm
	Arm digging force	317 kN
	Bucket digging force	430 kN

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Versatile performance

Superpower mode provides speed priority when needed, to increase performance and optimise fuel efficiency. Class-leading digging forces ensure maximum productivity in a range of operating conditions.

Automatic high dump mode reduces cycle times while an advanced throttle control combines with the mode selector to provide the operator with total control of the machine.

Heavy duty boom and arm design, with cast boom foot and additional steel plate in stress relief points ensures maximum durability and reliability. Mass excavation dipper arm is constructed of extra thick materials with additional structural reinforcing, to provide long service life and maximum productivity.

You can count on Case

You can count on Case and your Case dealer for full-service solutions-productive equipment, expert advice, flexible financing, genuine Case parts and fast service. We're here to provide you with the ultimate ownership experience.

Case pride

You can take pride in the Case name on your machine. It's backed by more than a century of productivity and performance. Case and your Case dealer are here for you, not only when you buy the machine, but also after you put 1,000 or 10,000 hours on it.

A rich, proud history

Case Construction Equipment's heritage spans more than 165 years. Growing from J.I. Case's innovations with steam-powered machinery in the late 1800s, Case developed road-building equipment that helped create early 20th century streets and highways across the world. By 1912, Case was well on its way to establishing itself as a full-line equipment manufacturer. The company continued to expand its construction equipment business over the next 45 years.

Celebrating a tradition of innovation

In 1957, Case produced the world's first integrated loader/backhoe made and warranted by one manufacturer. Over the decades and into the 21st century, Case has continued to develop a long line of industry firsts and has taken a leadership role in pioneering new products and solutions. Today, Case produces 15 lines of equipment and more than 90 models to meet your toughest construction challenges. Supported by manufacturing and sales in more than 150 countries, Case serves the needs of our customers worldwide.

Customer support

Case equipment is sold and serviced by more than 370 dealers and 900 outlets worldwide. No matter where you work, we're here to support and protect your investment.

To locate a Case dealer or learn more about Case equipment or customer service, go to www.casece.com. For flexible financing options, dependable parts and fast service, your Case dealer is here to meet your needs.

It all adds up. You can count on Case.

Case offers you:

EQUIPMENT | FINANCING | PARTS | AFTER SALES SERVICE

Standard equipment

ENGINE CONTROL
Isuzu Tier III Engine EU stage IIIA
Hydraulically driven & reversible cooling fan
Electronic control of the injection system
Automatic engine pre-heating
Automatic/manual engine return to idle
Exhaust Gas Recirculator
Emergency stop
Electrical refuel pump with automatic stop
Fuel filter with water separator

HYDRAULIC CONTROL
Auto/Heavy/Super Power working modes
Pump torque variable control
Automatic Power boost control
Boom priority
Swing brake control
High performance “Super Fine” synthetic fiber hydraulic filter
(High contamination catch)
2 travel speeds with auto down shifting

OPERATOR ENVIRONMENT
High visibilty cab with safety glass
Adjustable and retractable armrest console with position memory
Safety lever
Self adjusting air conditioning and heating system
Cup holder
High visibility side monitor display with automatic brightness
Messages (function, temperature, safety, ...) on the display
Integrated diagnostic system
Working modes (Auto/Heavy/Super Power) combined with engine throttle
Anti-theft device
Hourmeter
Selectable auxiliary hydraulic flow pre-settings
RH front console with clock and cell phone holder
High capacity shock absorbers on cab with 4 points fluid mountings
Rain deflector
Windscreen with lockable opening
Windscreen washer and wiper
Removable lower front windscreen with storage location in cab
Glass cab roof window and sliding sun shade
ISO control pattern low effort & short joysticks
Adjustable sun visor
Washable cab floor mat
Rear view mirror and safety mirrors
Storage compartments
Integrated cool box
12V and 24V DC accessory sockets
Hammer/Shear change selected from the cab
Fore & aft adjustment of the whole seat & console

OPERATOR SEAT
Fully adjustable low frequency mechanical suspension seat including double acting hydraulic damper
Weight adjustment
Height / fore & aft adjustment
Adjustable head rest
Adjustable seat back angle with fully flat seat reclining
Adjustable arm rest
Safety belt

ELECTRICAL SYSTEM
Water proof connectors
Double horn
2 working lights on the cab
1 working light on the uppercarriage
2 working lights on the boom

UNDERCARRIAGE
Retractable Chassis
Sealed and long life lubricated tracks
Track guides

EQUIPMENT
EMS (Extended Maintenance System) pins and bushings as Standard
1000 hours lubrication interval for all, except buckets pins at 250 hours)
Low friction resin side shims on boom and dipper
Large tool box
Pre-disposal for the optional cab protection
Catwalks

Options

8.40 m standard boom
7.25 m mass excavation boom
3.66 m or 4.44 m or 5.62 m dipperstick
2.98 m mass excavation dipper
Counterweight removal device
Hydraulic safety valves on boom and dipper
Bucket/clamshell hydraulic circuit
Hammer hydraulic circuit
Hammer/shear hydraulic circuit
Full length track guide
Track width 650 mm - 750 mm - 900 mm (depending on the version)
Cab protection FOPS level 2
Choice of windscreen protections
GPS (Global Positioning System) by satelite
Centralized greasing system automatically actuated by an electrical grease pump

Standard and optional equipment shown can vary by country.
Pictures are not contractual.

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SWITZERLAND

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 CE