

# CASE

CONSTRUCTION

## MINI-EXCAVATORS

### CX17B<sup>ZTS</sup>

# CX15B Series 2-CX18B Series 2



Engine Horsepower  
Operating weight  
Max. digging depth

**CX15B Series 2**  
11.3 kW/15 hp  
1480 kg  
2400 mm

**CX17B<sup>ZTS</sup>**  
11.3 kW/15 hp  
1620 kg  
2370 mm

**CX18B Series 2**  
11.3 kW/15 hp  
1780 kg  
2400 mm

## HIGH EFFICIENCY

The series 2 range of 1.5 ton machines from Case features two highly efficient variable displacement piston pumps for power on demand, reducing fuel consumption and increasing performance. CX17B ZTS and CX18B series 2 machines are also equipped with a gear pump for the swing and rotation circuits, boosting slew speed and cutting cycle times further. The two-speed travel selector is integrated into the right hand track control lever, for instinctive changes on the move and faster reaction to changing terrain. **Hydraulic power. Boosted performance.**

## POWER ON DEMAND

All 1.5 tonne class Case machines use a new 11.3 kW (15 hp) Mitsubishi engine for maximum efficiency and output. A revised three-post canopy offers easy access and improved visibility, increasing safety for the operator. New cab option provides suspension seat and high output cab heating system for total operator comfort. Telene side panels on the series 2 upper structure offer improved shock resistance and less risk of damage, cutting repair costs and downtime.

**Evolutionary design. Operator benefits.**



## SAFE AND SECURE

New cab and canopy are TOPS and FOPS level 1 rated for maximum operator protection. Revised design provides improvements in visibility all around the machine, particularly on the left hand side through the cab door. New cab option provides a suspension seat. Both servo hand levers are now fitted with red safety levers to prevent accidental operation, and both the boom swing control and the hammer control are protected by locks which provides safety for the operator and other personnel on site.

**Safe Operation. Reduced downtime.**

## OPERATOR ENVIRONMENT

The Case series 2 mini excavators have a totally revised three-post canopy design offering easier access and improved visibility. There is a choice of fixed or suspension vinyl seats to suit operating conditions. For those opting for a cab the series 2 models feature a new design with standard heating system and suspension cloth seat. Larger windows and increased door glass improve visibility and the low emission engine offers reduced noise levels for the operator. Easy to reach levers and hand and foot controls for the tracks provide a comfortable working environment for the driver.

**Maximum comfort. Increased productivity.**

## BUILD QUALITY

Robust components and design enhance the durability and reliability of the Case mini excavator. Protection for the main lift cylinder piston and for all greasing points is standard and the bodywork of the machine is constructed from Telene. This material is shock resistant, reducing the need for smaller repairs on site and cutting ownership costs. The CX17B ZTS and CX18B series 2 models have an expandable dozer blade, with a locking system to prevent damage or loss of parts when the tracks are retracted.

**Designed to work. Built to perform.**

## MAXIMISED PROFITABILITY

With the adoption of the new engine and variable displacement hydraulics, the CX15B-18B series 2 machines provide reduced fuel consumption as well as lower emissions. Fully removable side panels, easy access to the battery, a single key for locks and ignition, and access to all service and maintenance points from beneath the engine canopy, result in reduced service times and increased productivity. Buckets from the previous CX16B and CX18B can be used by the series 2 machines. The CX17B ZTS can also take the CX15B series 2, CX16B and CX18B - CX18B series 2 Klac or Lehnoff buckets if equipped with a specific Klac or Lehnoff quick coupler. This offers integration into existing fleets and lower cost to change for owners.

**Reduced consumption. Lower ownership costs.**

## CX15B SERIES 2



The CX15B series 2 with its fixed chassis and its standard dozer blade is offered in two versions: a 1 speed/canopy/standard seat version and a version that is 2 speed/cab (with heater and suspension cloth seat) or canopy (with a choice of fixed or suspension vinyl seats). Powered by an 11.3 kW Mitsubishi engine, the CX15B series 2 has two variable displacement hydraulic pumps for maximum productivity. A conflux system allows the unused flow from one pump to assist the auxiliary flow when selected. That auxiliary circuit can be single or twin directional for a range of powered attachments. Quick disconnects are fitted on the dipper arm. Customers can also choose between short and long dipper arms to suit their operation. CX15B series 2 takes the 300-500 mm buckets from previous CX16B and CX18B as well as those buckets of the new CX18B series 2.

## CX18B SERIES 2



The Case CX18B series 2 is offered with a variable width undercarriage and extendable dozer blade as standard equipment. Two speed tracking is included and customers can opt for the new three-post canopy, with fixed or suspension seats, of a heated full cab with a suspension seat. The 11.3 kW Mitsubishi engine powers a three pump hydraulic system, using two variable displacement piston pumps and a gear pump for the slew and boom swing functions. The conflux system utilises unused flow from this third pump to assist the two main pumps when needed. Single and dual directional auxiliary hydraulics can be supplied with quick connect fittings on the dipper arm. Short and long dippers sticks are available and the machine can use 300-500 mm buckets from the previous CX16B and CX18B, and the new CX15B series 2.

## CX17BzTS



The all new CX17B ZTS provides a zero tailswing design with a reduced counterweight overhang that can be rotated within the width of the tracks, fully ZTS in canopy version or with minimal overhang in cab version for cab protection. Available with a choice of rubber or steel undercarriage, the CX17B ZTS combines the benefits of zero tailswing and variable width tracks to access the most confined job sites. Two-speed tracking is standard and the machine is available with the three-post canopy or the heated glazed cab. Both options have a suspension seat as standard. The CX17B ZTS benefits from the same Mitsubishi engine and three pump operating system as the CX18B series 2, with two variable displacement piston pumps and a single gear pump to provide a boost of power when needed. A choice of long or short dipper arms is available and the machine can be ordered with single or dual directional auxiliary hydraulics and dipper mounted quick connects.

## OPERATOR'S CAB

A redesigned fully glazed cab is available on the CX15B series 2 two-speed tracking model and on all CX17B ZTS and CX18B series 2 models. With a heater and suspension seat, the cab offers tilt adjustable arm rests, a glazed roof section for improved visibility when loading and a windshield that can be easily stowed in the roof of the cab. The lower front window can be stored behind the driver's seat and there is a larger window in the door to further enhance visibility. Reduced width cab pillars also add to the improved view to all sides of the machine. Ergonomic servo levers, with a two-speed tracking control under the thumb of the tracking lever provide the operator with easy to reach, intuitive control of the machine. The swing control and auxiliary control are both protected by a footrest lock to prevent unexpected use, improving safety and reducing the risk of damage to the machine. Low internal noise levels and plenty of head, arm and leg room provide a class-leading operator environment. For the full safety of the operator, all cabs and 3 post canopies are equipped with TOPS (tipping over protection system) and FOPS (falling object protection system) level 1, plus a safety lap belt.

*CX18B Series 2 Cabin.*

*Here below: the CX15B Series 2 Canopy operator's standard seat (suspension seat option is available on 2 speed versions).*



## ENGINE



The new 11.3 kW Mitsubishi engine provides plenty of power for the series 2 machines. Centralised access, with all service points easily reached from beneath the engine canopy, reduces maintenance time and cuts service costs. The battery can be accessed from beneath the bonnet when necessary, further reducing downtime. All liquid checks can be carried out from ground level for maximum operator safety and rapid start-up each day.

## HYDRAULICS



Highly efficient hydraulic systems, with two variable displacement pumps on all three machines and an additional gear pump on the CX17B ZTS and CX18B series 2, provide maximum flow and pressure when the operator needs it. The hydraulic valves are easily reached for maintenance work, thanks to removable lightweight Tellene shock proof side panels. The electrical fuses can be found in a clean area beneath the operator's seat, and on the CX17B ZTS and CX18B series 2 machines the switch between the dozer blade operation and blade extension is conveniently located under the seat within easy reach, further reducing downtime and boosting productivity.

## UNDERCARRIAGE



The CX17B ZTS and CX18B series 2 are both provided with variable undercarriage width, to allow the machine to access confined working areas but also to provide maximum stability when digging and loading. There is an extending blade on the CX17B ZTS and CX18B series 2 machines to match the variable track width. This blade uses a locking system to prevent damage or loss of parts when the tracks are retracted. The CX15B series 2 comes as standard with a fixed undercarriage and rubber tracks. Track tensioning is easily carried out with a standard grease gun, minimising downtime and maximising productivity.









# SPECIFICATIONS CX15B SERIES 2

## WEIGHTS

Machine Mass (Canopy) Max \_\_\_\_\_ 1480 kg  
Machine Mass (Cab) Max \_\_\_\_\_ 1700 kg

## ENGINE

Engine Maker/Mode \_\_\_\_\_ Mitsubishi/L3E  
Rated Power \_\_\_\_\_ 11.3 kW/15 hp  
Rated Speed \_\_\_\_\_ 2100 rpm  
Cyl. - Stroke Volume \_\_\_\_\_ 3 - 952 cm<sup>3</sup>  
Max. Torque \_\_\_\_\_ 53.5 N·m @ 1800 rpm  
Fuel Consumption Rate (E/G) \_\_\_\_\_ 270 g/kW.h  
Fuel Consumption (Digging) \_\_\_\_\_ 2.6 l/h  
Allowable Ambient Temperature \_\_\_\_\_ -15/45 °C

## HYDRAULICS

Set Pressure (Att) \_\_\_\_\_ 20.6 MPa  
Set Pressure (Travel) \_\_\_\_\_ 20.6 MPa  
Set Pressure (Swing) \_\_\_\_\_ 14.5 MPa  
Rated Flow (Att, Travel) @2100 Rpm \_\_\_\_\_ 15.5 l/min  
Rated Flow (Swing) @ 2100Rpm \_\_\_\_\_ 15.5 l/min

## ELECTRICAL SYSTEM

Voltage \_\_\_\_\_ 12 V  
Alternator Capacity \_\_\_\_\_ 40 A  
Starter Motor \_\_\_\_\_ 1,7 kW  
Battery \_\_\_\_\_ 1x40 Ah

## DIMENSIONS

Min. Swing Diameter \_\_\_\_\_ 3050 mm  
Min. Swing 90° diameter \_\_\_\_\_ 2590 mm  
Track Gauge \_\_\_\_\_ 760 mm  
Crawler Base \_\_\_\_\_ 1215 mm  
Ground Clearance Of Undercarriage \_\_\_\_\_ 175 mm  
Bucket Capacity (Std) Sae \_\_\_\_\_ 0.042 m<sup>3</sup>  
Outside Width Of Bucket (Std) \_\_\_\_\_ 400 mm

## UNDERCARRIAGE

Num. Of Sprocket Teeth \_\_\_\_\_ 19  
Num. Of Roller (Upp/Low) \_\_\_\_\_ plate/3  
Travel Speed (1St/2Nd Speed) \_\_\_\_\_ 2/3.5 km/h  
Gradability \_\_\_\_\_ 58%

## PERFORMANCE

Lifting Capacity (Front Direction) \_\_\_\_\_ 3.1 kNxm  
Bucket Digging Force (Iso) \_\_\_\_\_ 13.3 kN  
Arm Digging Force (Jis Iso) \_\_\_\_\_ 7.4 kN  
Outside Width Of Bucket (Std) \_\_\_\_\_ 400 mm  
Lifting Capacity (Back Direction) \_\_\_\_\_ 2.9 kNxm  
Lifting Capacity (Side Direction) \_\_\_\_\_ 1.9 kNxm  
Boom Speed (Up) \_\_\_\_\_ 2.2 s  
Boom Speed (Down) \_\_\_\_\_ 3.2 s  
Arm Speed (Crowding) \_\_\_\_\_ 4.1 s  
Arm Speed (Pushing) \_\_\_\_\_ 2.9 s  
Bucket (Digging) \_\_\_\_\_ 2.7 s  
Bucket (Dumping) \_\_\_\_\_ 1.9 s  
Boom Swing (Left) \_\_\_\_\_ 4.5 s  
Boom Swing (Right) \_\_\_\_\_ 4.5 s  
Dozer (Up) \_\_\_\_\_ 1.1 s  
Dozer (Down) \_\_\_\_\_ 1.7 s  
Steady State Swing Speed \_\_\_\_\_ 9.5 min<sup>-1</sup>  
Swing Gradability Deg \_\_\_\_\_ 20°  
Max. Tractive Force (Sae Cal.) \_\_\_\_\_ 18.3 kN  
Ground Pressure Cab/Canopy \_\_\_\_\_ 30/25 kPa  
Productivity \_\_\_\_\_ 18 m<sup>3</sup>/h

## CAPACITIES

Fuel Tank Capacity \_\_\_\_\_ 19.5 l  
Coolant Capacity \_\_\_\_\_ 3.5 l  
Engine Oil Capacity \_\_\_\_\_ 3 l  
Hydraulic Oil (Standard Level) \_\_\_\_\_ 8.8 l  
Hydraulic Oil (Tank Capacity) \_\_\_\_\_ 12.3 l

## NOISE

Acoustic Power Level \_\_\_\_\_ 93 dB  
Noise At Ear \_\_\_\_\_ 74 dB

# BUCKETS

### DIRECT FIT BUCKET OR SPECIFIC BUCKETS FOR KLAC QUICK COUPLER\*

mm	250*	300	350	400	450	500	600*	700*
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### DITCH CLEANING

mm	800*	1000*
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\*available through Case parts system only (non factory).

# HAMMERS

### CB18S

bpm	1300/2500
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### CB32

bpm	740/2400
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### CB32P

bpm	750/2400
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### CB32S

bpm	750/2400
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# SPIKES

Standard chisel \_\_\_\_\_ (L480)  
Long chisel \_\_\_\_\_ (L560)  
Standardmoil point \_\_\_\_\_ (L480)  
Longmoil point \_\_\_\_\_ (L560)

Parallel spade \_\_\_\_\_ (L480)  
Traverse Spade \_\_\_\_\_  
Compacting plate \_\_\_\_\_

# AUGERS

### Length 1200 mm

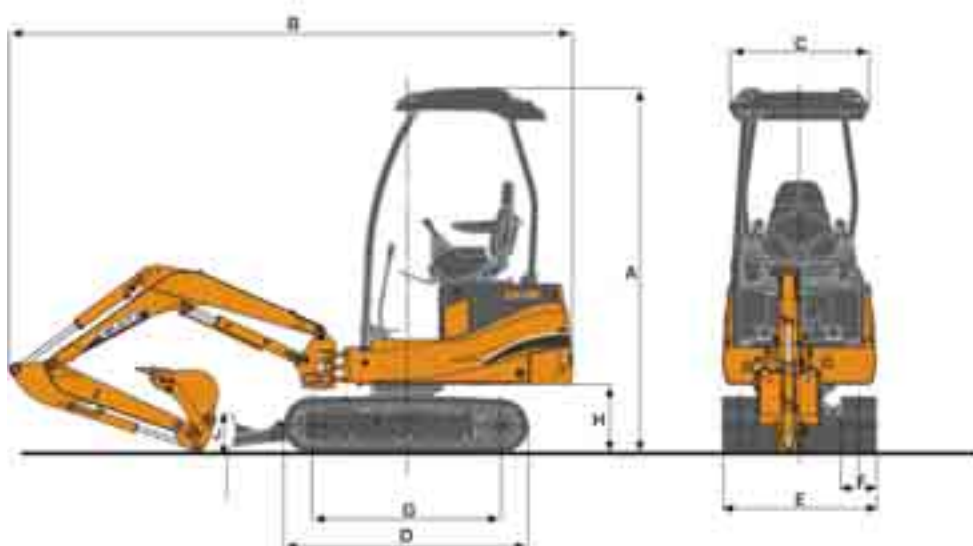
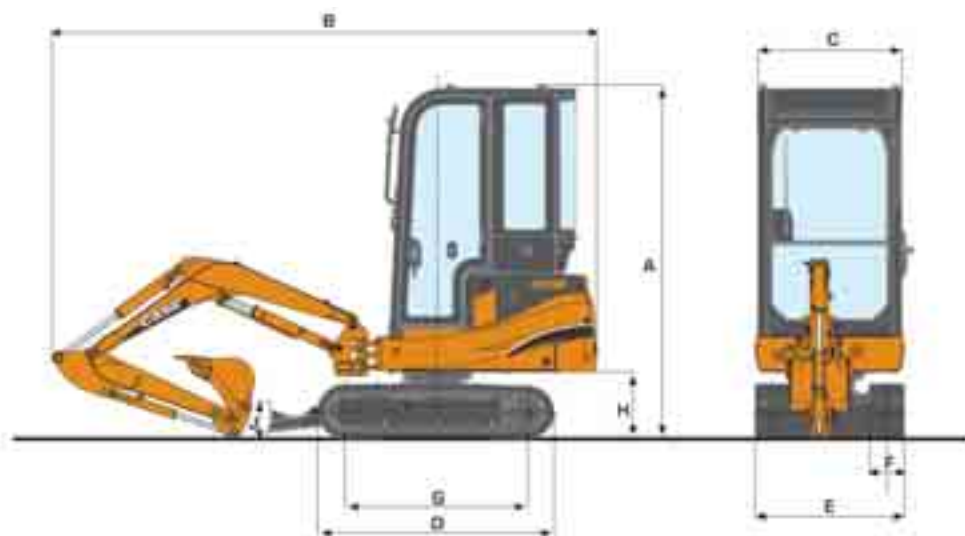
Diameter	mm	100	150	200	230	250	300
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### Extensions

mm	300	450	600	1220	1830
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# GENERAL DIMENSIONS

## CX15B SERIES 2

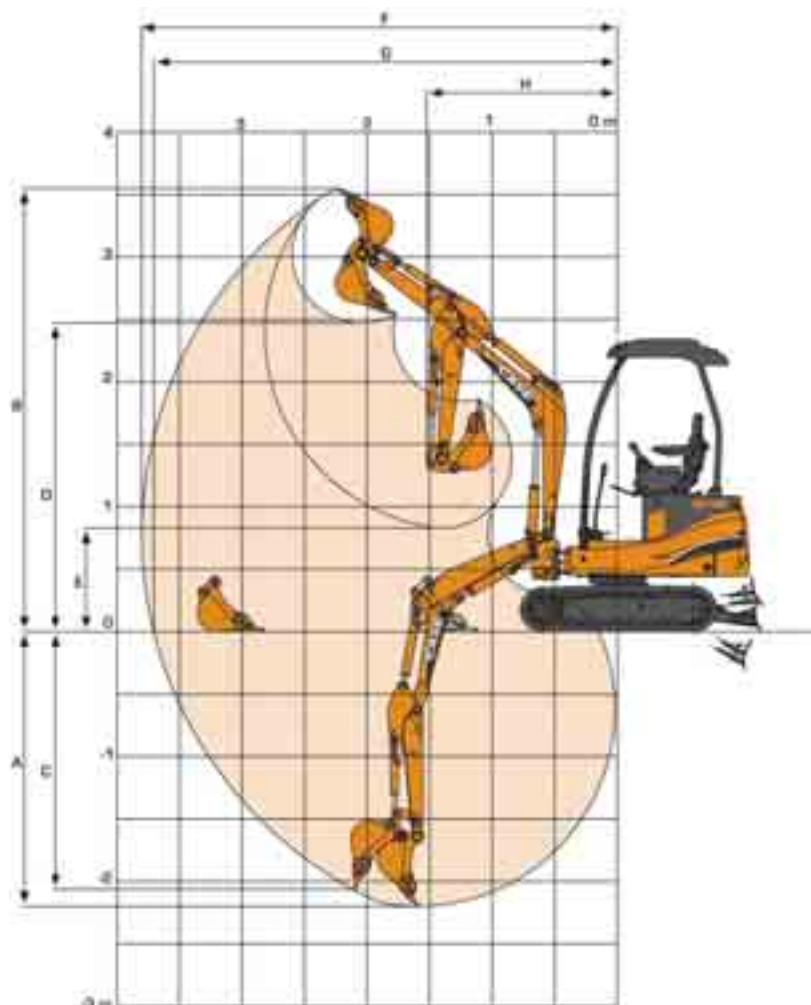


		CX15B Cab		CX15B Canopy		
		1.02	1.22	1.02	1.22	
<b>DIPPER LENGTH</b>						
<b>A</b>	Overall height	m	2.35	2.35	2.34	2.34
<b>B</b>	Overall length	m	3.60	3.62	3.60	3.62
<b>C</b>	Width of upperstructure	m	0.99	0.99	0.99	0.99
<b>D</b>	Track overall length	m	1.56	1.56	1.56	1.56
<b>E</b>	Track overall width	m	0.99	0.99	0.99	0.99
<b>F</b>	Track shoe width	m	0.23	0.23	0.23	0.23
<b>G</b>	Center to center (idler to sprocket)	m	1.21	1.21	1.21	1.21
<b>H</b>	Upperstructure ground clearance	m	0.44	0.44	0.44	0.44
<b>J</b>	Backfill blade height	m	0.24	0.24	0.24	0.24
	Working weight	kg	1700	1700	1480	1480
	Ground pressure	kPa	30	30	25	25
	Tail swing radius	m	1.06	1.06	1.06	1.06
	Swing angle - right		45°	45°	45°	45°
	- left		80°	80°	80°	80°

# PERFORMANCE DATA

## CX15B SERIES 2

WITH 1.75 m STANDARD MONOBOOM



### DIPPER LENGTH

		1.02	1.22	
A	Maximum digging depth	mm	2200	2400
B	Maximum height of cutting edge	mm	3550	3675
C	Maximum vertical digging depth	mm	2060	2260
D	Maximum dumping height	mm	2470	2595
E	Minimum dumping height	mm	830	630
F	Maximum cutting radius	mm	3800	3990
G	Maximum digging radius at ground level	mm	3705	3900
H	Minimum swing radius of attachment	mm	1525	1555
	Arm digging force	kN	8.4	7.4
	Bucket digging force	kN	13.3	13.3

Values are identical for Cab or canopy versions

# CX15B

# LIFTING CAPACITY

CX15B Series 2 - WITH 1.75 m STANDARD MONOBOOM

Values are expressed in kg

Front 360°	REACH													
	0.5 m		1.0 m		1.5 m		2.0 m		2.5 m		3.0 m		At max reach	

## 1.02 m dipper, CAB, DOZER DOWN, rubber shoes and bucket of 400 mm

2.5 m									250	250					
2.0 m									250	250					
1.5 m							330	330	280	270	260	200			
1.0 m							426	367	326	263	275	198	260	175	3.237
0.5 m							503	351	364	254	290	194			
0 m				825	523		531	343	381	249	290	191			
-0.5 m			750	750	750	520	508	341	365	247					
-1.0 m			1020	1020	620	530	428	344	289	251					
-1.5 m					374	374									
-2.0 m															
-2.5 m															

## 1.20 m dipper, CAB, DOZER DOWN, rubber shoes and bucket of 400 mm

2.5 m									210	210					
2.0 m									220	220	220	200			
1.5 m									250	250	230	200			
1.0 m					583	571	379	370	297	263	255	196	232	156	3.428
0.5 m					785	532	471	351	343	253	276	191			
0 m					832	517	519	339	371	245	287	187			
-0.5 m			650	650	790	515	517	335	370	242	273	185			
-1.0 m			1010	1010	690	520	462	336	326	243					
-1.5 m			830	830	492	492	328	328							
-2.0 m															
-2.5 m															

The above values are in compliance with norm SAE J/ISO 10567.



They do not exceed 87% of the hydraulic lift capacity [\*if indicated] or 75 % of tipping load", with an 80 kg operator in seat .

# Series 2

# LIFTING CAPACITY

CX15B Series 2 - WITH 1.75 m STANDARD MONOBOOM

Values are expressed in kg

 Front  360°	REACH													
	0.5 m		1.0 m		1.5 m		2.0 m		2.5 m		3.0 m		At max reach	

## 1.02 m dipper, CANOPY, DOZER DOWN, rubber shoes and bucket of 400 mm

2.5 m									250	240					
2.0 m									250	240					
1.5 m							330	330	280	240	260	170			
1.0 m							426	319	326	227	275	169	260	148	3.237
0.5 m							503	304	364	218	290	165			
0 m				825	453	531	295	381	213	290	162				
-0.5 m			750	750	750	460	508	293	365	211					
-1.0 m			1020	930	620	460	428	297	289	215					
-1.5 m					374	374									
-2.0 m															
-2.5 m															

## 1.20 m dipper, CANOPY, DOZER DOWN, rubber shoes and bucket of 400 mm

2.5 m									210	210					
2.0 m									220	220	220	180			
1.5 m									250	240	230	170			
1.0 m					583	501	379	322	297	227	255	167	232	131	3.428
0.5 m					785	462	471	304	343	217	276	162			
0 m					832	447	519	292	371	209	287	158			
-0.5 m			650	650	790	445	517	287	370	206	273	156			
-1.0 m			1010	910	690	450	462	289	326	207					
-1.5 m			830	830	492	462	328	297							
-2.0 m															
-2.5 m															

The above values are in compliance with norm SAE J/ISO 10567.

They do not exceed 87% of the hydraulic lift capacity [\*if indicated] or 75 % of tipping load”, with an 80 kg operator in seat .



# SPECIFICATIONS CX17B ZTS

## ENGINE

Model \_\_\_\_\_ Mitsubishi L3E-W231KBS  
 Cylinders \_\_\_\_\_ 3  
 Bore/Stroke \_\_\_\_\_ 76 x 70 mm  
 Displacement \_\_\_\_\_ 952 cc  
 Fuel injection \_\_\_\_\_ Direct  
 Fuel injection pump \_\_\_\_\_ Mechanical  
 Fuel \_\_\_\_\_ Diesel  
 Fuel filter \_\_\_\_\_ Full flow  
 Cooling \_\_\_\_\_ Liquid  
 Horsepower per ISO 9249 \_\_\_\_\_ 11.3 kW/ 15 hp @ 2200 rpm  
 Maximum torque \_\_\_\_\_ 53.5 Nm @ 1800 rpm

## HYDRAULIC SYSTEM

Pumps (2) \_\_\_\_\_ Variable displacement piston pump

**Capacity**  
 maximum \_\_\_\_\_ 2 x 16.3 l/min

**System relief pressure**  
 Standard \_\_\_\_\_ 21.6 MPa

**Pilot control hydraulic system**  
 Pump (1) \_\_\_\_\_ Gear pump

Maximum capacity \_\_\_\_\_ 6 l/min  
 Relief pressure \_\_\_\_\_ 3.5 MPa

**Control valves**  
 9 function multiple control valve. Pump 1 for right travel and bucket function. Pump 2 for left travel, house swing, and arm function. Pump 3 for boom center swing. Pump 4 for pilot valve

**Swing**  
 Motor (1) \_\_\_\_\_ Fixed displacement axial piston design

Speed \_\_\_\_\_ 0-8.6 rpm  
 Tail swing radius \_\_\_\_\_ 660 mm

Tail swing overhang (in canopy version) \_\_\_\_\_ 0 mm  
 Tail swing overhang (in cab version) \_\_\_\_\_ 95 mm

**Travel**  
 Motor (2) \_\_\_\_\_ Two-speed axial piston design

Final drive \_\_\_\_\_ Planetary gear reduction

**Travel Speeds**  
 Forward/Reverse  
 Low \_\_\_\_\_ 2.0 km/h  
 High \_\_\_\_\_ 4.0 km/h

## ELECTRICAL SYSTEM

Voltage \_\_\_\_\_ 12 V  
 Alternator \_\_\_\_\_ 20 Amp  
 Batteries (1) 40 V \_\_\_\_\_ Heavy-duty

## DIMENSIONS

Track Gauge (closed) \_\_\_\_\_ 990 mm  
 Track Gauge (opened) \_\_\_\_\_ 1320 mm

## UNDERCARRIAGE

**Number of rollers**  
 Top, each track \_\_\_\_\_ 0  
 Bottom, each track \_\_\_\_\_ 3  
 Gradability \_\_\_\_\_ 58% (30°)

## CIRCUIT AND COMPONENT CAPACITIES

**Hydraulic tank**  
 Refill capacity \_\_\_\_\_ 9 l  
 Total system \_\_\_\_\_ 15 l  
 Engine  
 w/filter change \_\_\_\_\_ 3.5 l  
 Fuel \_\_\_\_\_ 22 l  
 Radiator \_\_\_\_\_ 3.7 l

## OPERATING WEIGHT

**Canopy version**  
 With 75 kg operator, 30 kg bucket, full fuel and standard equipment, 0,98 dipper \_\_\_\_\_ 1620 kg  
 Ground pressure \_\_\_\_\_ 27.5 kPa

**Cab version**  
 With 75 kg operator, 30 kg bucket, full fuel and standard equipment, 0,98 dipper in cab version \_\_\_\_\_ 1730 kg  
 Ground pressure \_\_\_\_\_ 28.8 kPa

## BUCKETS

### DIRECT FIT BUCKET OR SPECIFIC BUCKETS FOR KLAC QUICK COUPLER\*

mm	250*	300	350	400	450	500	600*	700*
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### DITCH CLEANING

mm	800*	1000*
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\*available through Case parts system only (non factory).

## HAMMERS

### CB18S

bpm 1300/2500

### CB32

bpm 740/2400

### CB32P

bpm 750/2400

### CB32S

bpm 750/2400

## SPIKES

Standard chisel \_\_\_\_\_ (L480)  
 Long chisel \_\_\_\_\_ (L560)  
 Standard moil point \_\_\_\_\_ (L480)  
 Long moil point \_\_\_\_\_ (L560)

Parallel spade \_\_\_\_\_ (L480)  
 Traverse Spade \_\_\_\_\_  
 Compacting plate \_\_\_\_\_

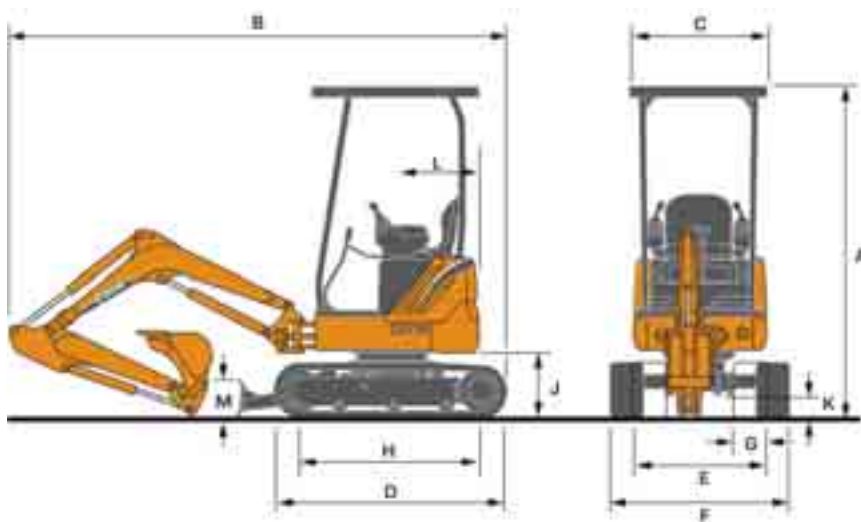
# CX17B



# GENERAL DIMENSIONS

## CX17B ZTS

WITH 1.75 m STANDARD MONOBOOM



### DIPPER LENGTH

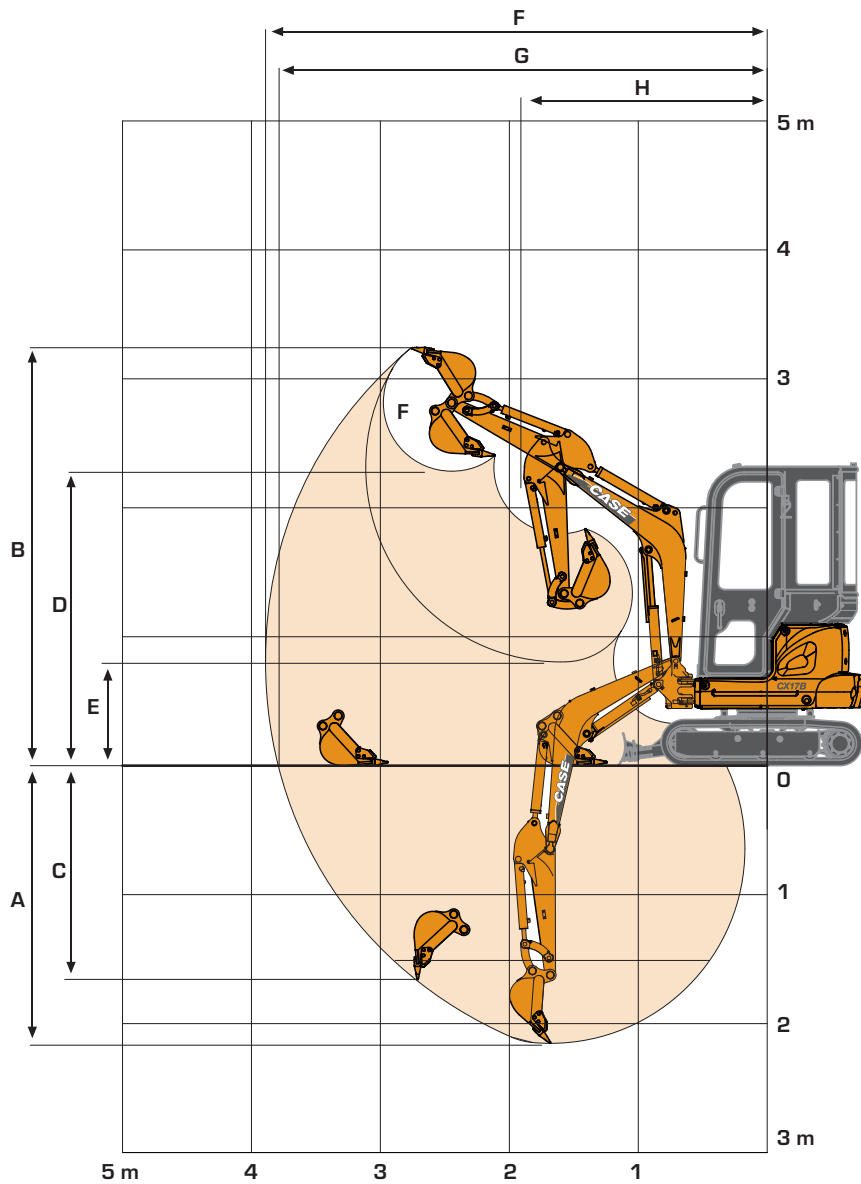
**0.98**      **1.20**

		0.98	1.20
<b>A</b> Overall height	m	2.35	2.35
<b>B</b> Overall length	m	3.42	3.42
<b>C</b> Width of upperstructure	m	0.99	0.99
<b>D</b> Track overall length	m	1.56	1.56
<b>E</b> Track overall width w/230 mm shoes - retracted	m	0.99	0.99
<b>F</b> Track overall width w/230 mm shoes - expanded	m	1.32	1.32
<b>G</b> Track shoe width 230 mm	mm	230	230
<b>H</b> Center to center (idler to sprocket)	m	1.21	1.21
<b>J</b> Upperstructure ground clearance	mm	445	445
<b>K</b> Minimum ground clearance	mm	175	175
<b>L</b> Tail swing radius - Canopy version	mm	660	660
Tail swing radius - Cab version	mm	755	755
<b>M</b> Backfill blade height	mm	250	250
Working weight - Canopy version	kg	1620	1620
Working weight - Cab version	kg	1730	1730
Ground pressure	kPa	27.5	27.8
Tail swing overhang - Canopy version	mm	0	0
Tail swing overhang - Cab version	mm	95	95
Swing angle - right		55°	55°
- left		42°	42°

# PERFORMANCE DATA

## CX17B ZTS

WITH 1.75 m STANDARD MONOBOOM



### DIPPER LENGTH

**0.98**

**1.20**

	mm	0.98	1.20
<b>A</b> Maximum digging depth	mm	2150	2370
<b>B</b> Maximum height of cutting edge	mm	3240/3680*	3410/3880*
<b>C</b> Maximum vertical digging depth	mm	1660	1920
<b>D</b> Maximum dumping height	mm	2280/2650*	2440/2850*
<b>E</b> Minimum dumping height	mm	800	590
<b>F</b> Maximum cutting radius	mm	3890	4120
<b>G</b> Maximum digging radius at ground level	mm	3790	4020
<b>H</b> Minimum swing radius of attachment	mm	1890	1920
Arm digging force	kN	10.0	8.7
Bucket digging force	kN	15.2	15.2

\* For Canopy version

# CX17B

# LIFTING CAPACITY

## CX17B ZTS - WITH 1.75 m STANDARD MONOBOOM

Values are expressed in kg

Front 360°	REACH									
	0.8 m		1.5 m		2.3 m		3.0 m		At max reach	

### 0.98 m dipper, CANOPY, DOZER DOWN, 230 mm shoes and bucket of 0.044 m³. Crawler max width

3.0 m									340*	340*	2.14
2.3 m					310*	310*			320*	220	2.91
1.5 m					390*	330*	330	200	320*	170	3.27
0.8 m			730*	560*	540*	300	370*	190	340*	150	3.36
0 m			950*	540	610*	280	390*	180	350*	160	3.24
-0.8 m	1040*	1040*	970*	550	550*	280			370*	190	2.85
-1.5 m			500*	500*					340*	340*	1.98

### 0.98 m dipper, CANOPY EXTRA-COUNTERWEIGHT (80 kg), DOZER DOWN, 230 mm shoes and bucket of 0.044 m³. Crawler max width

3.0 m									340*	340*	2.14
2.3 m					310*	310*			320*	250	2.91
1.5 m					390*	370*	330	230	320*	190	3.27
0.8 m			730*	640*	540*	340	370*	210	340*	180	3.36
0 m			950*	620	610*	320	390*	210	350*	190	3.24
-0.8 m	1040*	1040*	970*	630	550*	320			370*	230	2.85
-1.5 m			500*	500*					340*	340*	1.98

### 1.20 m dipper, CANOPY, DOZER DOWN, 230 mm shoes and bucket of 0.044 m³. Crawler max width

3.0 m									290*	280	2.54
2.3 m							280*	200	280*	180	3.20
1.5 m					330*	330*	300*	190	280*	140	3.51
0.8 m			1030*	580	480*	300	350*	180	290*	130	3.60
0 m	460*	460*	880*	530	590*	270	380*	170	310*	130	3.48
-0.8 m	830*	830*	1060*	530	560*	260	350*	170	320*	160*	3.13
-1.5 m	1300*	1300*	680*	550	360*	280			320*	250	2.42

### 1.20 m dipper, CANOPY EXTRA-COUNTERWEIGHT (80 kg), DOZER DOWN, 230 mm shoes and bucket of 0.044 m³. Crawler max width

3.0 m									290*	280	2.54
2.3 m							280*	230	280*	210	3.20
1.5 m					330*	330*	300*	220	280*	170	3.51
0.8 m			1030*	650	480*	340	350*	210	290*	150	3.60
0 m	460*	460*	880*	610	590*	310	380*	200	310*	160	3.48
-0.8 m	830*	830*	1060*	610	560*	310	350*	200	320*	190*	3.13
-1.5 m	1300*	1300*	680*	630	360*	320			320*	290	2.42

The above values are in compliance with norm SAE J/ISO 10567.

They do not exceed 87% of the hydraulic lift capacity (\*if indicated) or 75 % of tipping load", with an 80 kg operator in seat .

# LIFTING CAPACITY

## CX17B ZTS - WITH 1.75 m STANDARD MONOBOOM

Values are expressed in kg

Front 360°	REACH					
	1.0 m	1.5 m	2.0 m	2.5 m	3.0 m	3.5 m

### 0.98 m dipper, CAB, DOZER DOWN, 230 mm shoes and bucket of 0.044 m<sup>3</sup> Crawler max width

2.0 m									320*	230*		
1.5 m							370*	310	340*	230		
1.0 m			1050*	670	600*	420	440*	300	370*	220		
0.5 m			650*	630	720*	400	500*	280	390*	210		
0 m	600*	600*	910*	630	750*	390	530*	270	400*	210		
-0.5 m	930*	930*	1090*	630	710*	380	510*	270	370*	210		
-1.0 m	1290*	1290*	880*	640	600*	390	420*	270				
-1.5 m			530*	530*	360*	360*						

### 1.20 m dipper, CAB, DOZER DOWN, 230 mm shoes and bucket of 0.044 m<sup>3</sup>. Crawler max width

2.5 m									280*	230		
2.0 m									280*	230		
1.5 m									300*	220	290*	170
1.0 m			860*	700	520*	430	400*	290	330*	210	300*	160
0.5 m			770*	630	660*	400	470*	280	370*	210	310*	160
0 m	470*	470*	840*	610	730*	380	510*	270	390*	200		
-0.5 m	740*	740*	1120*	610	730*	370	510*	260	380*	190		
-1.0 m	1060*	1060*	990*	620	650*	370	460*	260				
-1.5 m	1400*	1400*	710*	630	480*	380						

The above values are in compliance with norm SAE J/ISO 10567.

They do not exceed 87% of the hydraulic lift capacity (\*if indicated) or 75 % of tipping load", with an 80 kg operator in seat .



# SPECIFICATIONS CX18B SERIES 2

## WEIGHTS

Machine Mass (Canopy) Max \_\_\_\_\_ 1560 kg  
Machine Mass (Cab) Max \_\_\_\_\_ 1780 kg

## ENGINE

Engine Maker/Model \_\_\_\_\_ Mitsubishi/L3E  
Rated Power \_\_\_\_\_ 11.3 kW/15 hp  
Rated Speed \_\_\_\_\_ 2100 rpm  
Cyl. - Stroke Volume \_\_\_\_\_ 3 - 952 cm<sup>3</sup>  
Max. Torque \_\_\_\_\_ 53.5 N-m @ 1800 rpm  
Allowable Ambient Temperature \_\_\_\_\_ -15/45 °C  
Fuel Consumption Rate (E/G) \_\_\_\_\_ 270 g/kWh  
Fuel Consumption (Digging) \_\_\_\_\_ 2.6 l/h

## HYDRAULICS

Set Pressure (Att) \_\_\_\_\_ 21.6 MPa  
Set Pressure (Travel) \_\_\_\_\_ 21.6 MPa  
Set Pressure (Swing) \_\_\_\_\_ 14 MPa  
Rated Flow (Att, Travel) @ 2100 Rpm \_\_\_\_\_ 15.5 l/min  
Rated Flow (Swing) @ 2100 Rpm \_\_\_\_\_ 10.9 l/min

## ELECTRICAL SYSTEM

Voltage \_\_\_\_\_ 12 V  
Alternator Capacity \_\_\_\_\_ 40 A  
Starter Motor \_\_\_\_\_ 1,7 kW  
Battery \_\_\_\_\_ 1x40 Ah

## DIMENSIONS

Bucket Capacity (Std) Sae \_\_\_\_\_ 0.042 m<sup>3</sup>  
Outside Width Of Bucket (Std) \_\_\_\_\_ 400 mm  
Min. Swing Diameter \_\_\_\_\_ 3050 mm  
Min. Swing 90° diameter \_\_\_\_\_ 2590 mm  
Track Gauge (closed) \_\_\_\_\_ 760 mm  
Track Gauge (opened) \_\_\_\_\_ 1100 mm  
Crawler Base \_\_\_\_\_ 1215 mm  
Ground Clearance Of Undercarriage \_\_\_\_\_ 175 mm

## UNDERCARRIAGE

Num. Of Sprocket Teeth \_\_\_\_\_ 19  
Num. Of Roller (Upp/Low) \_\_\_\_\_ plate/3  
Gradability \_\_\_\_\_ 58%  
Travel Speed (1St/2Nd Speed) \_\_\_\_\_ 2/3.5 km/h

## PERFORMANCE

Bucket Digging Force (Iso) \_\_\_\_\_ 14 kN  
Arm Digging Force (Jis Iso) \_\_\_\_\_ 7.8 kN  
Outside Width Of Bucket (Std) \_\_\_\_\_ 400 mm  
Lifting Capacity (Front Direction) \_\_\_\_\_ 3.3 kNxm  
Lifting Capacity (Back Direction) \_\_\_\_\_ 3.3 kNxm  
Lifting Capacity (Side Direction) \_\_\_\_\_ 3.2 kNxm  
Boom Speed (Up) \_\_\_\_\_ 2.2 s  
Boom Speed (Down) \_\_\_\_\_ 2.1 s  
Arm Speed (Crowding) \_\_\_\_\_ 2.6 s  
Arm Speed (Pushing) \_\_\_\_\_ 2.4 s  
Bucket (Digging) \_\_\_\_\_ 2.9 s  
Bucket (Dumping) \_\_\_\_\_ 2 s  
Boom Swing (Left) \_\_\_\_\_ 4.7 s  
Boom Swing (Right) \_\_\_\_\_ 4.7 s  
Dozer (Up) \_\_\_\_\_ 1.5 s  
Dozer (Down) \_\_\_\_\_ 2 s  
Productivity \_\_\_\_\_ 20 m<sup>3</sup>/h  
Ground Pressure Cab/Canopy \_\_\_\_\_ 31/27 kPa  
Steady State Swing Speed \_\_\_\_\_ 9 rpm  
Swing Gradability Deg \_\_\_\_\_ 20°  
Max. Tractive Force (Sae Cal.) \_\_\_\_\_ 19.2 kN

## CAPACITIES

Fuel Tank Capacity \_\_\_\_\_ 19.5 l  
Coolant Capacity \_\_\_\_\_ 3.5 l  
Engine Oil Capacity \_\_\_\_\_ 3 l  
Hydraulic Oil (Standard Level) \_\_\_\_\_ 8.8 l  
Hydraulic Oil (Tank Capacity) \_\_\_\_\_ 12.3 l

## NOISE

Acoustic Power Level \_\_\_\_\_ 93 dB  
Noise At Ear \_\_\_\_\_ 74 dB

# BUCKETS

### DIRECT FIT BUCKET OR SPECIFIC BUCKETS FOR KLAC QUICK COUPLER\*

mm	250*	300	350	400	450	500	600*	700*
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### DITCH CLEANING

mm	800*	1000*
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\*available through Case parts system only (non factory).

# HAMMERS

### CB18S

bpm 1300/2500

### CB32

bpm 740/2400

### CB32P

bpm 750/2400

### CB32S

bpm 750/2400

# SPIKES

Standard chisel \_\_\_\_\_ (L480)  
Long chisel \_\_\_\_\_ (L560)  
Standardmoil point \_\_\_\_\_ (L480)  
Longmoil point \_\_\_\_\_ (L560)

Parallel spade \_\_\_\_\_ (L480)  
Traverse Spade  
Compacting plate

# AUGERS

### Length 1200 mm

Diameter	mm	100	150	200	230	250	300
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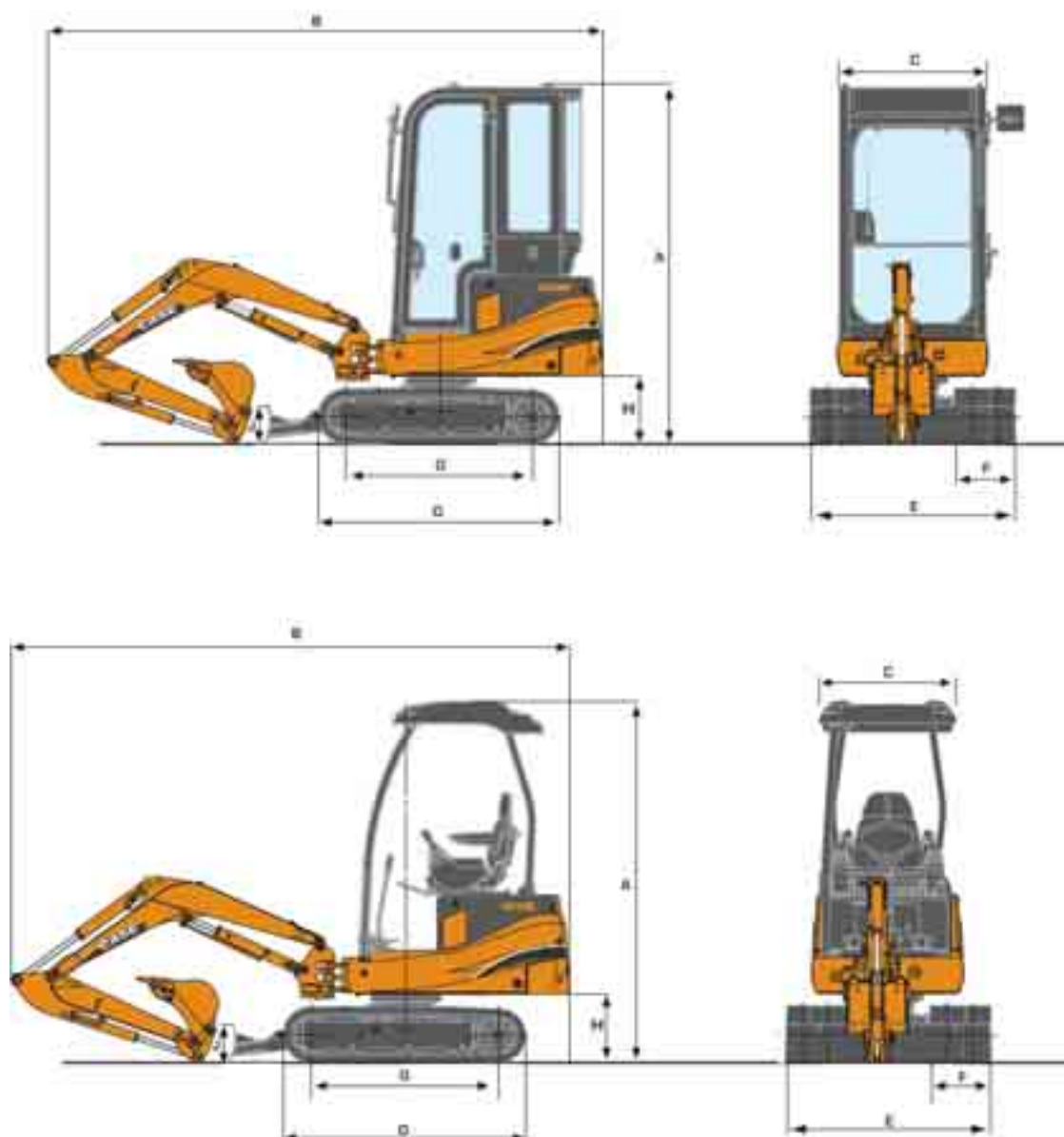
### Extensions

mm	300	450	600	1220	1830
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# GENERAL DIMENSIONS

## CX18B SERIES 2

WITH 1.75 m STANDARD MONOBOOM

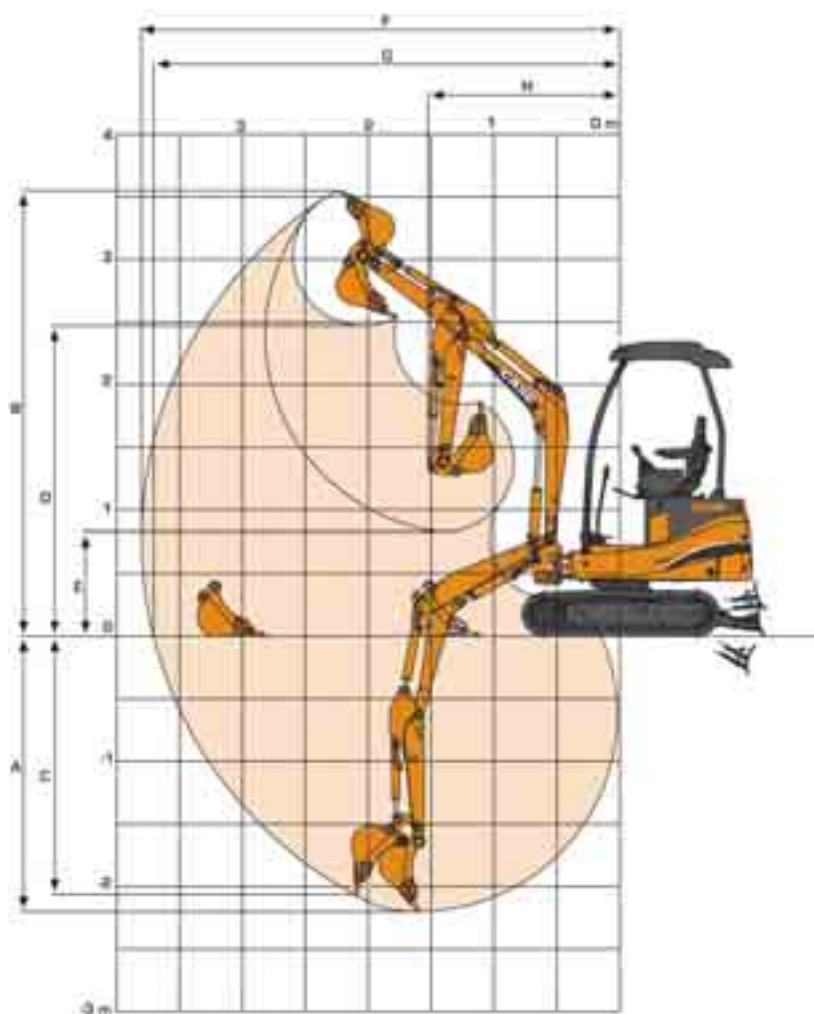


		CX18B Cab		CX18B Canopy		
		1.02	1.22	1.02	1.22	
<b>DIPPER LENGTH</b>						
<b>A</b>	Overall height	m	2.35	2.35	2.34	2.34
<b>B</b>	Overall length	m	3.60	3.62	3.60	3.62
<b>C</b>	Width of upperstructure	m	0.99	0.99	0.99	0.99
<b>D</b>	Track overall length	m	1.56	1.56	1.56	1.56
<b>E</b>	Track overall width	m	0.99/1.33	0.99/1.33	0.99/1.33	0.99/1.33
<b>F</b>	Track shoe width	m	0.23	0.23	0.23	0.23
<b>G</b>	Center to center [idler to sprocket]	m	1.21	1.21	1.21	1.21
<b>H</b>	Upperstructure ground clearance	m	0.44	0.44	0.44	0.44
<b>J</b>	Backfill blade height	m	0.24	0.24	0.24	0.24
	Working weight	kg	1780	1780	1560	1560
	Ground pressure	kPa	30	30	25	25
	Tail swing radius	m	1.06	1.06	1.06	1.06
	Swing angle - right		45°	45°	45°	45°
	- left		80°	80°	80°	80°

# PERFORMANCE DATA

## CX18B SERIES 2

WITH 1.75 m STANDARD MONOBOOM



### DIPPER LENGTH

**1.02**

**1.22**

<b>A</b> Maximum digging depth	mm	2200	2400
<b>B</b> Maximum height of cutting edge	mm	3550	3680
<b>C</b> Maximum vertical digging depth	mm	2060	2260
<b>D</b> Maximum dumping height	mm	2470	2600
<b>E</b> Minimum dumping height	mm	830	630
<b>F</b> Maximum cutting radius	mm	3800	4000
<b>G</b> Maximum digging radius at ground level	mm	3705	3900
<b>H</b> Minimum swing radius of attachment	mm	1525	1556
Arm digging force	kN	8.7	7.8
Bucket digging force	kN	14	14

Values are identical for Cab or canopy versions

# CX18B



# LIFTING CAPACITY

CX18B Series 2 - WITH 1.75 m STANDARD MONOBOOM

Values are expressed in kg

Front 360°	REACH													
	0.5 m		1.0 m		1.5 m		2.0 m		2.5 m		3.0 m		At max reach	

## 1.02 m dipper, CAB, DOZER DOWN, rubber shoes and bucket of 400 mm

Crawler max width

2.5 m									270	270					
2.0 m									270	270					
1.5 m							350	350	300	300	280	280			
1.0 m							452	452	346	346	293	293	277	277	3.237
0.5 m							533	533	386	386	308	308			
0 m				867	867	563	563	405	403	309	309				
-0.5 m			790	790	800	800	539	539	388	388					
-1.0 m			1086	1086	660	660	455	455	308	308					
-1.5 m					399	399									
-2.0 m															
-2.5 m															

## 1.20 m dipper, CAB, DOZER DOWN, rubber shoes and bucket of 400 mm

Crawler max width

2.5 m									220	220					
2.0 m									230	230	240	240			
1.5 m									270	270	250	250			
1.0 m					617	617	402	402	316	316	271	271	248	248	3.428
0.5 m					830	830	500	500	365	365	294	294			
0 m					881	881	551	551	394	394	306	305			
-0.5 m			690	690	838	838	548	548	394	394	292	292			
-1.0 m			1058	1058	727	727	491	491	347	347					
-1.5 m			880	880	524	524	351	351							
-2.0 m															
-2.5 m															

The above values are in compliance with norm SAE J/ISO 10567.

They do not exceed 87% of the hydraulic lift capacity [\*if indicated] or 75 % of tipping load", with an 80 kg operator in seat .

# LIFTING CAPACITY

## CX18B Series 2 - WITH 1.75 m STANDARD MONOBOOM

Values are expressed in kg

Front 360°	REACH							m
	0.5 m	1.0 m	1.5 m	2.0 m	2.5 m	3.0 m	At max reach	

### 1.02 m dipper, CANOPY, DOZER DOWN, rubber shoes and bucket of 400 mm Crawler max width

2.5 m									270	270					
2.0 m									270	270					
1.5 m							350	350	300	300	280	280			
1.0 m							452	452	346	346	293	278	277	246	3.237
0.5 m							533	508	386	361	308	274			
0 m				867	800	563	499	405	355	309	271				
-0.5 m			790	790	800	800	539	496	388	353					
-1.0 m			1090	1090	660	660	455	455	308	308					
-1.5 m					399	399									
-2.0 m															
-2.5 m															

### 1.20 m dipper, CANOPY, DOZER DOWN, rubber shoes and bucket of 400 mm Crawler max width

2.5 m									220	220					
2.0 m									230	230	240	240			
1.5 m									270	270	250	250			
1.0 m					617	617	402	402	316	316	271	271	248	222	3.43
0.5 m					830	812	500	500	365	360	294	271			
0 m					881	795	551	496	394	352	306	267			
-0.5 m			690	690	838	793	548	491	394	348	292	265			
-1.0 m			1060	1060	727	727	491	491	347	347					
-1.5 m					880	880	524	524	351	351					
-2.0 m															
-2.5 m															

The above values are in compliance with norm SAE J/ISO 10567.

They do not exceed 87% of the hydraulic lift capacity (\*if indicated) or 75 % of tipping load", with an 80 kg operator in seat .



# CX17B<sup>ZTS</sup> CX15B-CX18B Series 2

## STANDARD EQUIPMENT & OPTIONS

### STANDARD EQUIPMENT

- Mitsubishi 11,3 kW engine
- Hand and foot controlled travel arm
- Fixed seat with tiltable arm rests and Case logo
- 3 post canopy or cab with heater
- One (cab) or 2 (canopy) red safety access levers

#### STANDARD "CX15B Series 2 - 1 speed "

- 1 speed
- 2 pump variable flow hydraulics with conflux
- 3 post canopy
- Fixed seat with tiltable arm rests and Case logo
- Rubber tracks
- OPTION: auxiliary hydraulic circuit

#### STANDARD "CX15B Series 2 - 2 speed "

- 2 speed
- 2 pump variable flow hydraulics with conflux
- 3 post canopy with Fixed vinyl seat with tiltable arm rests or Suspension vinyl seat with adjustable arm rests or Cab (with heater and suspension cloth seat)
- Rubber tracks
- OPTION: auxiliary hydraulic circuit

#### STANDARD "CX18B Series 2"

- Variable hydraulic tracks with expandable blade
- 2 speed
- 3 pump hydraulics (2 variable + 1 gear pump) with conflux
- 3 post canopy with fixed vinyl seat with tiltable arm rests or Suspension vinyl seat with adjustable arm rests or Cab (with heater and suspension cloth seat)
- Rubber tracks
- Optional auxiliary hydraulic circuit

#### STANDARD "CX17B - zts "

- Variable hydraulic tracks
- Zero tail swing
- 2 speed
- 3 pump hydraulics (2 variable + 1 gear pump) with conflux
- 3 post canopy with suspension vinyl seat or Cab (with heater and suspension cloth seat)
- Rubber or steel tracks
- Auxiliary hydraulic circuit

Standard and optional equipment shown can vary by country.

#### Worldwide Case Construction Equipment Contact Information

**EUROPE/AFRICA/MIDDLE EAST:**  
Centre D'affaires EGB  
5, Avenue Georges Bataille - BP 40401  
60671 Le Plessis-Belleville - FRANCE

**NORTH AMERICA/MEXICO:**  
700 State Street  
Racine, WI 53404 U.S.A.

**LATIN AMERICA:**  
Av. General David Sarnoff 2237  
32210 - 900 Contagem - MG  
Belo Horizonte BRAZIL

**ASIA PACIFIC:**  
Unit 1 - 1 Foundation Place - Prospect  
New South Wales - 2148 AUSTRALIA

**CHINA:**  
No. 29, Industrial Premises, No. 376,  
De Bao Road, Waigaoqiao Ftz, Pudong,  
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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**CASE**  
CONSTRUCTION