

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 cm³
Max. Torque _____ 53.5 N·m @ 1800 rpm
Allowable Ambient Temperature _____ -15/45 °C
Fuel Consumption Rate (E/G) _____ 270 g/kW.h
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 m³
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 m³/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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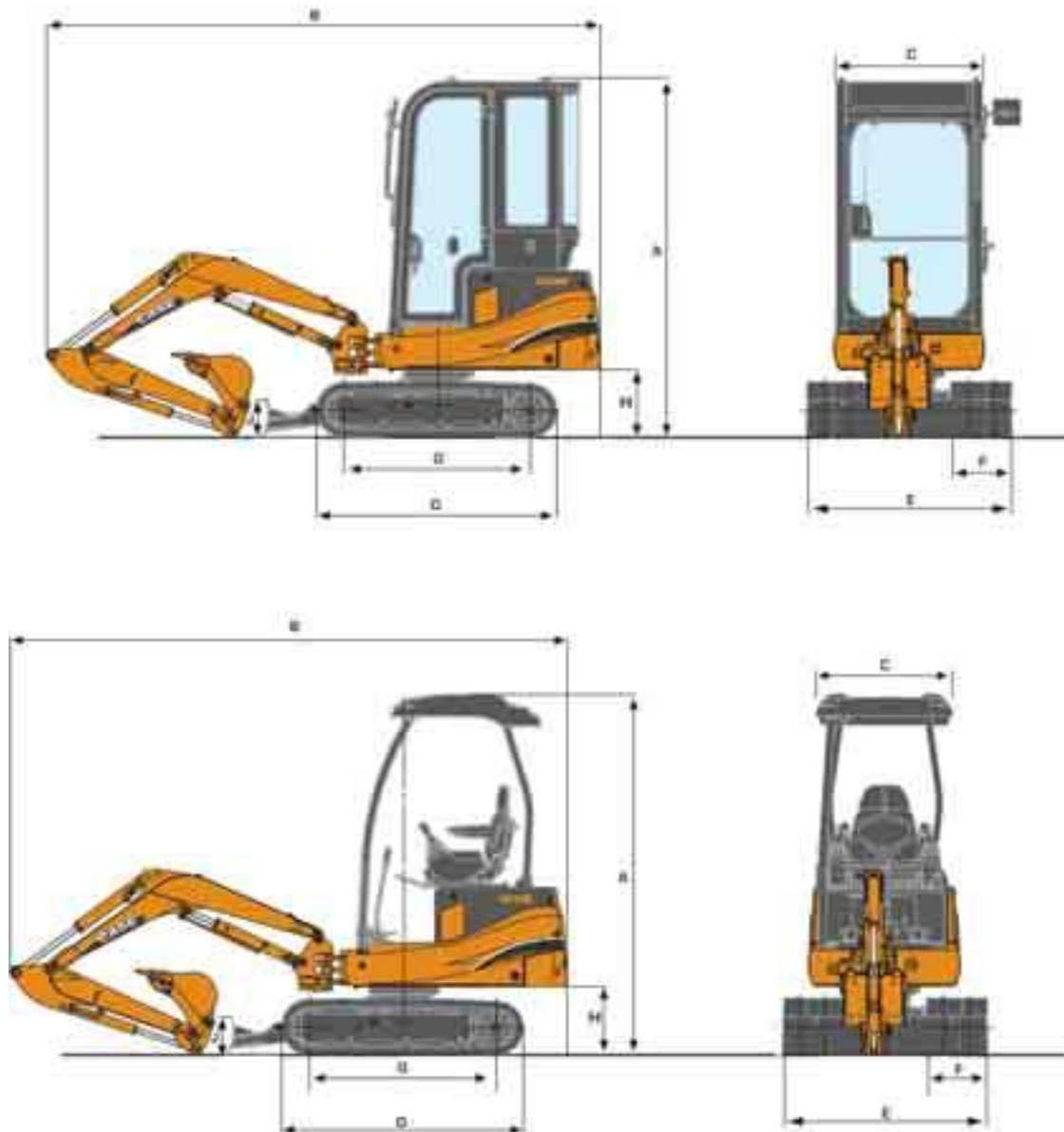
Extensions

mm	300	450	600	1220	1830
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GENERAL DIMENSIONS

CX18B SERIES 2

WITH 1.75 m STANDARD MONOBOOM

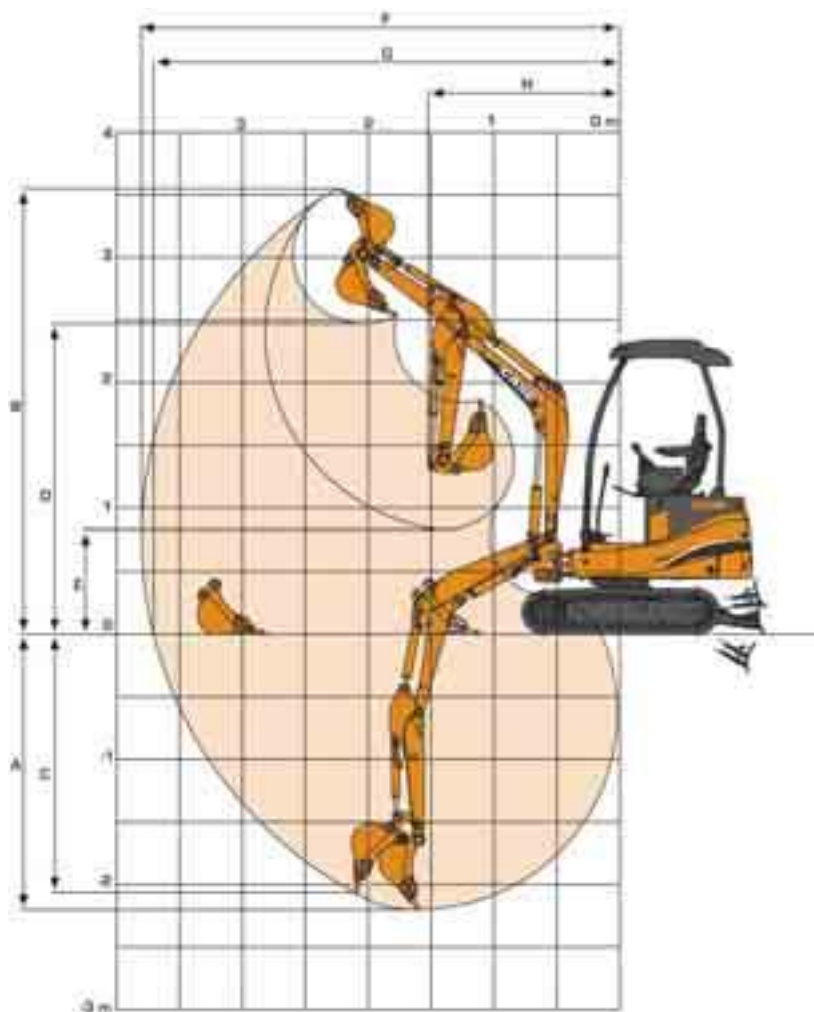


		CX18B Cab		CX18B Canopy		
		1.02	1.22	1.02	1.22	
DIPPER LENGTH						
A	Overall height	m	2.35	2.35	2.34	2.34
B	Overall length	m	3.60	3.62	3.60	3.62
C	Width of upperstructure	m	0.99	0.99	0.99	0.99
D	Track overall length	m	1.56	1.56	1.56	1.56
E	Track overall width	m	0.99/1.33	0.99/1.33	0.99/1.33	0.99/1.33
F	Track shoe width	m	0.23	0.23	0.23	0.23
G	Center to center [idler to sprocket]	m	1.21	1.21	1.21	1.21
H	Upperstructure ground clearance	m	0.44	0.44	0.44	0.44
J	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

A Maximum digging depth	mm	2200	2400
B Maximum height of cutting edge	mm	3550	3680
C Maximum vertical digging depth	mm	2060	2260
D Maximum dumping height	mm	2470	2600
E Minimum dumping height	mm	830	630
F Maximum cutting radius	mm	3800	4000
G Maximum digging radius at ground level	mm	3705	3900
H 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 .