

CASE

MINI - EXCAVATORS
CX16B/CX18B



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

CX16B - CX18B

variable track gauge

RESPECT OF ENVIRONMENT

The CX16B and CX18B respect the European "reduced noise level" as per directive 200/14/EC Phase 2.

OUTSTANDING PERFORMANCE, HIGH PRODUCTIVITY:

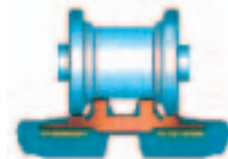
- Increased digging depth
- Increased ground reach
- Higher breakout force
- Lower ground pressure
- Reduced tail swing for more compact, overall dimensions

Single acting or double acting auxiliary hydraulic service

Concave profile, dozer blade:

- full width of the machine; pin-adjustable for wider track width on CX18B
- achieves excellent grading and back filling performance and creates a stable excavating platform

The hydraulic system ensures straight line travelling combined with upperstructure swing: steel re-enforced, half pitch, track provides a smoother ride



New, innovative design track rollers:

- wider, for increased stability
- better track retention
- longer track life



Standard auxiliary hydraulic functions (single or double acting) with piping/hoses up to the dipper and "ready to work" hydraulic Quick Hitch.



Quick couplers available.



CX 18B fitted with an hydraulically adjustable track gauge (990 mm - 1300 mm) allows easy access through narrow openings or increases stability for heavy digging and lifting.



Pin-adjustable dozer blade to match the total width of the machine with extended track gauge (1300 mm).



Easy maintenance at ground level thanks to 360° "all-all 'all round' service access:

- large-opening, rear engine hood
- fully opening side covers provide good access to radiators and battery
- opening panel below the operator's seat

External sight gauges for easy checking of hydraulic and fuel levels

Engine complies with all the current standards:

- all the power you need with low fuel consumption
- advanced technological design minimises noise emissions levels

Variable displacement pumps automatically adjust operating speed and power according to varying load conditions. The ability to adjust system flows and pressures efficiently optimises engine power to balance speed, controllability and reduces fuel consumption



Canopy (FOPS, TOPS) or cab (FOPS, TOPS) available on both models. The most spacious operator's environment in the industry. The cab has a heater as standard and additional ventilation can be provided by the 'up & over' front windscreen or side-sliding window.



A user-friendly operating environment designed for long days of productive work and minimal operator fatigue: hand or foot operated travel controls, readily visible instrument panel, unrestricted visibility in all directions. Two travel speeds: 2.0/3.5 kph. Fingertip speed selector on travel lever.



New comfortable vinyl leather-look, water resistant, adjustable suspended seat, with large document storage, wide tiltable and adjustable armrests and retracting seat belt.

ENGINE

CX16B

CX18B

variable track gauge

Maker		Yanmar	Yanmar
Rated power CE 80/1269	kW/hp	11/15	11/15
Rated speed	rpm	2000	2000
Displacement	cm ³	1006	1006
Cylinder number		3	3
Max torque	Nm	61	61
Exterior noise level LwA	dBA	93	93

HYDRAULICS

Main pumps		variable flow	variable flow
Aux. circuit pump		gear	gear
Working pressure	bar	206	206
Aux. circuit pressure	bar	35	35
Total pump flow	l/min	2 x 15	2 x 15
Aux. circuit pump flow	l/min	6	6

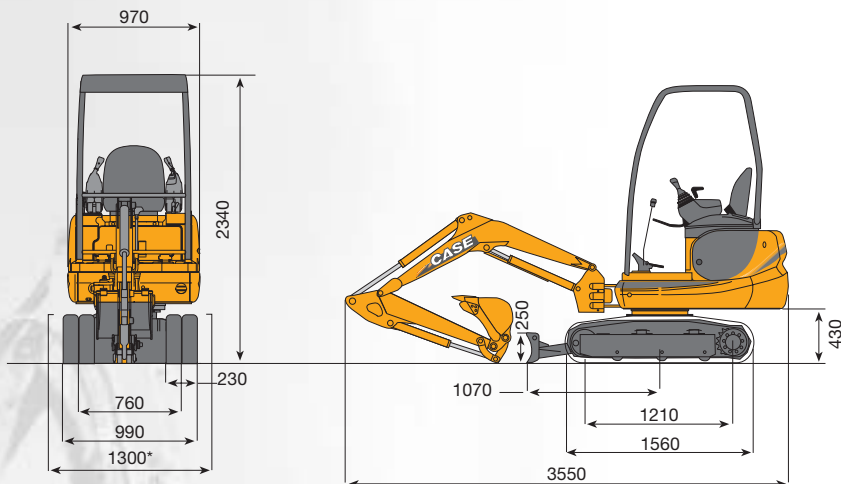
ELECTRICAL SYSTEM

Voltage	V	12	12
Alternator	A	20	20
Battery	Ah	40	40
Start motor	kW	1	1

CAPACITIES

Fuel tank capacity	l	15	15
Cooling system	l	3.7	3.7
Engine oil	l	3.3	3.3
Travel devices (total)	l	0.66	0.66
Hydraulic tank capacity	l	11.3	11.3
Total hydr. oil system capacity	l	22	22





GENERAL DIMENSIONS

CX16B

CX18B

variable track gauge

Overall length	mm	3550	3550
Overall width	mm	990	990/1300
Overall height (canopy/cab)	mm	2240/2340	2240/2340
Overall length of crawler	mm	1560	1560
Tail swing radius	mm	1050	1050
Min. swing radius (att.)	mm	1550	1550
Min. swing radius (swing)	mm	1320	1330
Rubber shoe width	mm	230	230
Length of track on ground	mm	1210	1210
Track gauge	mm	760	760 - 1070
Ground pressure (canopy/cab)	kg/cm ²	0.24/0.26	0.25/0.27
Roller number		3	3
Ground clearance	mm	175	175

BLADE

Max lifting above ground	mm	225	225
Max depth below ground	mm	285	285
Width x height	mm	990 x 250	990/1300 x 250

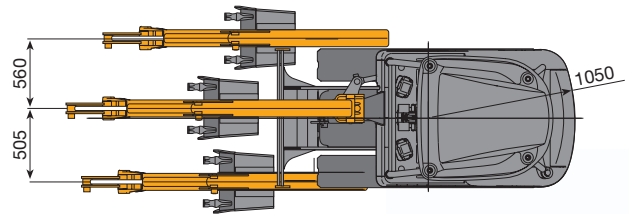
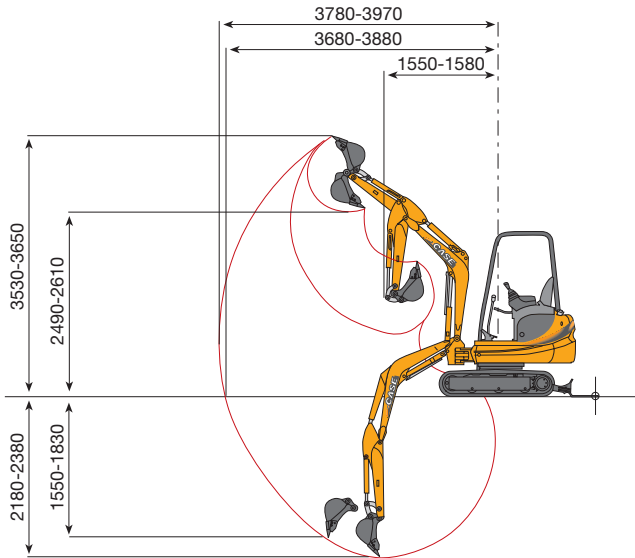
WEIGHTS

Total weight (cab)	kg	1645	1720
Total weight (canopy)	kg	1520	1595
Bucket capacity (min.-max) SAE	l	28/72	28/72
Bucket capacity (standard) SAE	l	44	44
Width of bucket (standard)	mm	400	400
Weight of bucket (standard)	kg	33	33

PERFORMANCE

Swing speed	rpm	9.0	9.0
Travel speed	km/h	2.0 - 3.5	2.0 - 3.5
Max drawbar pull	daN	1886	1886
Gradeability		58% - 30°	58% - 30°
Lifting capacity over 360° (with blade - 1.22 dipper)*	kg	180/150	180/150
Lifting capacity over 360° (with blade - 1.02 dipper)*	kg	190/160	190/160
Straight lifting capacity (with blade - 1.22 dipper)*	kg	890/890	890/890
Straight lifting capacity (with blade - 1.02 dipper)*	kg	670/670	670/670
Bucket breakout force	daN	1300	1300
Digging force (1.02/1.22 dipper)	daN	800 - 710	800 - 710

* cab/canopy



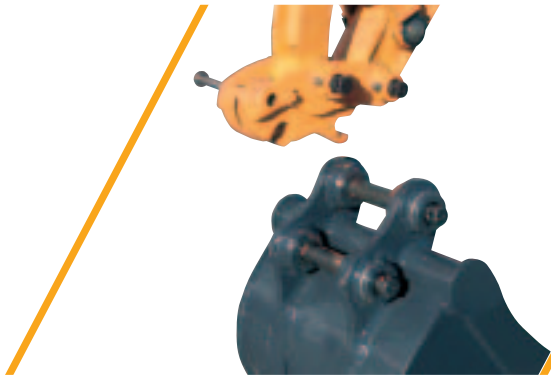
EQUIPMENT

CX16B

CX18B

variable track gauge

Boom length	mm	1750	1750
Dipper length	mm	1020 - 1220	1020 - 1220
Min. swing radius (att.)	mm	1550 - 1580	1550 - 1580
Max digging radius at ground level	mm	3680 - 3880	3680 - 3880
Max digging radius	mm	3780 - 3970	3780 - 3970
Max dump height	mm	2490 - 2610	2490 - 2610
Min. dump height	mm	850 - 650	850 - 650
Max vertical digging depth	mm	1550 - 1830	1550 - 1830
Max digging height	mm	3530 - 3650	3530 - 3650
Max digging depth	mm	2180 - 2380	2180 - 2380
Boom cylinder (bore x stroke)	mm	55 x 387	55 x 387
Dipper cylinder	mm	50 x 335	50 x 335
Bucket cylinder	mm	50 x 565	50 x 565
Swing cylinder	mm	65 x 354	65 x 354
Blade cylinder	mm	60 x 103	60 x 103
Offset length (right)	mm	560	560
Offset length (left)	mm	505	505
Boom swing angle (right)		50°	50°
Boom swing angle (left)		80°	80°



ATTACHMENTS

CX16B

Buckets	mm	300, 350, 400, 450, 500
Buckets - ditch cleaning	mm	800 - 1000
Quick couplers		Yes
Hammers		Case CB140 and CB140S
Augers	mm	100 to 300
Extensions	mm	300 to 1830

CX18B

variable track gauge

		300, 350, 400, 450, 500
		800 - 1000
		Yes
		Case CB140 and CB140S
		100 to 300
		300 to 1830



ALL YOU NEED IS CASE



SERVICE & SUPPORT

THE CASE DEALER YOUR PROFESSIONAL PARTNER

World-class construction equipment is just the start with Case. Your local Case dealer is a total solutions provider. Look to Case dealers to help find the right size machine, attachments and options to meet the demands of your job.

Case dealers help you maximise machine uptime - and profitability. That means you can focus on the job, knowing your Case dealer is never far away.

Case dealers stand behind the equipment they sell, with skilled service technicians fully equipped to resolve your maintenance and repair issues and, the support of a global parts network, recognised as second to none in the industry.

But it doesn't stop there. Through CNH Capital, your local Case dealer offers flexible financing options, leasing packages and insurance services to protect your investment.

When you need more than just equipment, Case dealers deliver. More.

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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.

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CASE



Conforms to directive 98/37/CE