



CASE
CONSTRUCTION

D-SERIES MINI EXCAVATORS



CX19D | CX25D | CX35D | CX50D

D-SERIES

MINI EXCAVATORS

THE FAMILY GROWS

The new CASE D-Series mini excavators offer a line-up of 4 models that covers the most important segments in the market.

The new range stands out for its versatility: with a choice of models to suit every application and jobsite and a vast range of attachments, it offers the perfect solution for every customer need.

Users can fully customize their machine according to the specific application's requirements with options ranging from basic configurations to premium models with useful features.



PRODUCTIVITY AND FLEXIBILITY



COMPACT AND AGILE, AT HOME ON ALL JOBSITES

- + **Zero tail-swing versions** available across the range deliver **supreme maneuverability**.
- + A **hydraulically extendable undercarriage** ensures excellent movability and stability.
- + A **dozer blade** with foldable extension is available as standard on models featuring the extendable undercarriage.
- + **Excellent boom swing angles and reach** make working in confined spaces easy.

D-SERIES

MINI EXCAVATORS



POWERFUL, EFFICIENT PERFORMANCE

- + The machine's **excellent stability and hydraulic power** enables a superior lifting capacity and digging performance
- + D-Series excavators deliver **outstanding engine power and torque** together with **optimal fuel usage**.

COMFORT AND EASY MAINTENANCE

COMFORT COMES FIRST

The D-Series is one of the few mini excavator ranges in the market offering the **comfort of a cab version on smaller models**.

Additional safety and operator comfort features include:

- + FOPS and TOPS level 2 protection grids
- + Outstanding all-around visibility
- + Excellent ergonomic layout of the controls

Maintenance has never been so easy, with the **fully tiltable cab and canopy rollbar on all models**.

ALL THE FLEXIBILITY TO MATCH EVERY CUSTOMER NEED

The machines can mount a vast range of **attachments** - from buckets to breakers, from grapples to mulchers - resulting in **standout versatility**.

The D-Series offers sustainable solutions that meet the increasingly stringent environmental requirements:

- + All models are compatible with **bio hydraulic oil, engine oil and lubricants**



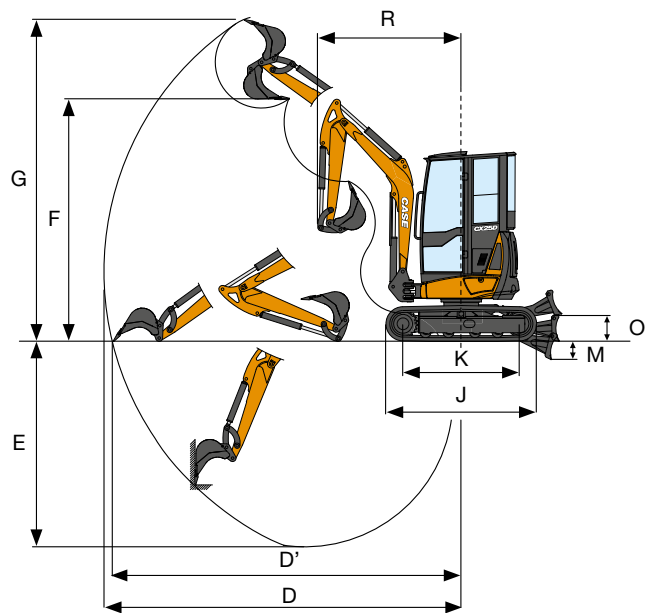
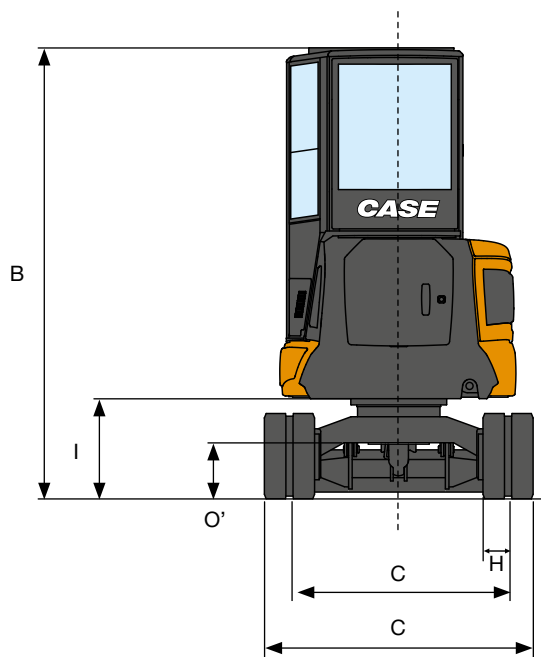
SPECIFICATIONS

		CX19D	CX25D
ENGINE			
Type		YANMAR 3TNV76 - STAGE 5	YANMAR 3TNV76 - STAGE 5
Max. Power	kW/hp	(2200 rpm) 13.7 - 18.6	(2200 rpm) 13.7 - 18.6
Displacement	cm ³	1116	1116
Number of cylinders	n°	3	3
Cooling		Liquid	Liquid
Consumption	l/h	3.1	3
Alternator	V (Ah)	12 (40)	12 (40)
Battery	V (Ah)	12 (65)	12 (65)
HYDRAULIC SYSTEM			
Circuit Type		-	
Pump type		variable flow	variable flow
Pump displacement	cm ³	9 + 9 + 6.6	2 x 13 + 8.3
Pump capacity	l/min	18 + 18 + 13.1	2 x 28.5 + 18
Max. circuit calibration pressure	bar	240	230
Auxiliary system (max pressure):			
• AUX 1	l/min (bar)	single or double effect 31.1 - 205	single or double effect 45 - 210
• AUX 2	l/min (bar)	optional 13.1 - 205	optional 18 - 200
• AUX 3	l/min (bar)	optional 18 - 240	optional 46 - 210
* with priority			
SLEWING & TRAVEL SPEED			
Travelling speed (AUTO TWO SPEED)	km/h	1 st : 0 ÷ 2.3 / 2 nd : 0 ÷ 4.4	1 st : 0 ÷ 2.6 / 2 nd : 0 ÷ 4.3
Slew speed	rpm	10.5	11
CONTROLS			
Boom, dipper stick, bucket and turret swing		2 pilot joysticks	2 pilot joysticks
Positioner two pieces boom		-	
Track movements (included counter rotation)		2 pilot levers	2 pilot levers
Dozer blade		pilot lever	pilot lever
Auxiliary system:			
• AUX 1		electroproportional switch on right joystick	electroproportional switch on right joystick*
• AUX 2		-	
Boom swing		electroproportional switch on left joystick	electroproportional switch on left joystick
* with latch - ** with holding function			
WEIGHTS			
Transport weight with roll-bar (with FOPS 1 roof)*	kg	-	-
Operating weight with roll-bar (with FOPS 1 roof)* ISO 6016	kg	-	-
Transport weight with canopy*	kg	1770	2450
Transport weight with cab*	kg	1880	2580
Operating weight with canopy* ISO 6016	kg	1880	2580
Operating weight with cab* ISO 6016	kg	1990	2710
* with rubber tracks			
CIRCUIT AND COMPONENT CAPACITIES			
Fuel tank	l	25	26
Hydraulic oil tank	l	20	29
Hydraulic circuit capacity	l	29	40
Cooling system capacity	l	4.5	5
Engine oil	l	2.8	2.8

		CX35D	CX50D
ENGINE			
Type		KUBOTA D1703-M-DI-E4B - STAGE 5	KUBOTA V2403-CR-T - STAGE 5
Max. Power	kW/hp	(2200 rpm) 18.2 - 24.7	(2300 rpm) 42.6 - 57.9
Displacement	cm ³	1647	2434
Number of cylinders	n°	3	4
Cooling		Liquid	Liquid
Consumption	l/h	3.5	6.9
Alternator	V (Ah)	12 (40)	12 (60)
Battery	V (Ah)	12 (74)	12 (95)
HYDRAULIC SYSTEM			
Circuit Type		Load Sensing closed centre system with "Flow Sharing" control valve	Load Sensing closed centre system with "Flow Sharing" control valve
Pump type		1 LS variable pump + 1 gear pump	LS hydraulic variable pump with electronic control + 1 gear pump
Pump displacement	cm ³	48 + 5	65 + 14.5
Pump capacity	l/min	105 + 10	129 + 28.8
Max. circuit calibration pressure	bar	250	280
Auxiliary system (max pressure):			
• AUX 1	l/min (bar)	single or double effect* 50 - 200	single or double effect* 70 - 200
• AUX 2	l/min (bar)	double effect - optional 35/20 - 250	double effect - optional 40/30 - 280
• AUX 3	l/min (bar)	double effect - optional 35/20 - 250	optional 40/30 - 280
SLEWING & TRAVEL SPEED			
Travelling speed (AUTO TWO SPEED)	km/h	1 st : 0 ÷ 2.5 / 2 nd : 0 ÷ 4.6	1 st : 0 ÷ 2.6 / 2 nd : 0 ÷ 4.5
Slew speed	rpm	11	10.5
CONTROLS			
Boom, dipper stick, bucket and turret swing		2 pilot joysticks	2 pilot joysticks
Positioner two pieces boom			
Track movements (included counter rotation)		2 pilot levers	2 pilot levers
Dozer blade		pilot lever	pilot lever
Auxiliary system:			
• AUX 1		electroproportional switch on right joystick**	electroproportional switch on right joystick**
• AUX 2		electroproportional switch on left joystick	electroproportional switch on right joystick
• AUX 3			electroproportional switch on left joystick
Boom swing		electroproportional switch on left joystick	electroproportional switch on left joystick
WEIGHTS			
Transport weight with canopy*	kg	3120	-
Transport weight with cab*	kg	3250	4800
Operating weight with canopy* ISO 6016	kg	3270	-
Operating weight with cab* ISO 6016	kg	3400	4950
* with rubber tracks			
CIRCUIT AND COMPONENT CAPACITIES			
Fuel tank	l	45	75
Hydraulic oil tank	l	30	65
Hydraulic circuit capacity	l	54	85
Cooling system capacity	l	7.5	11
Engine oil	l	7	9.5

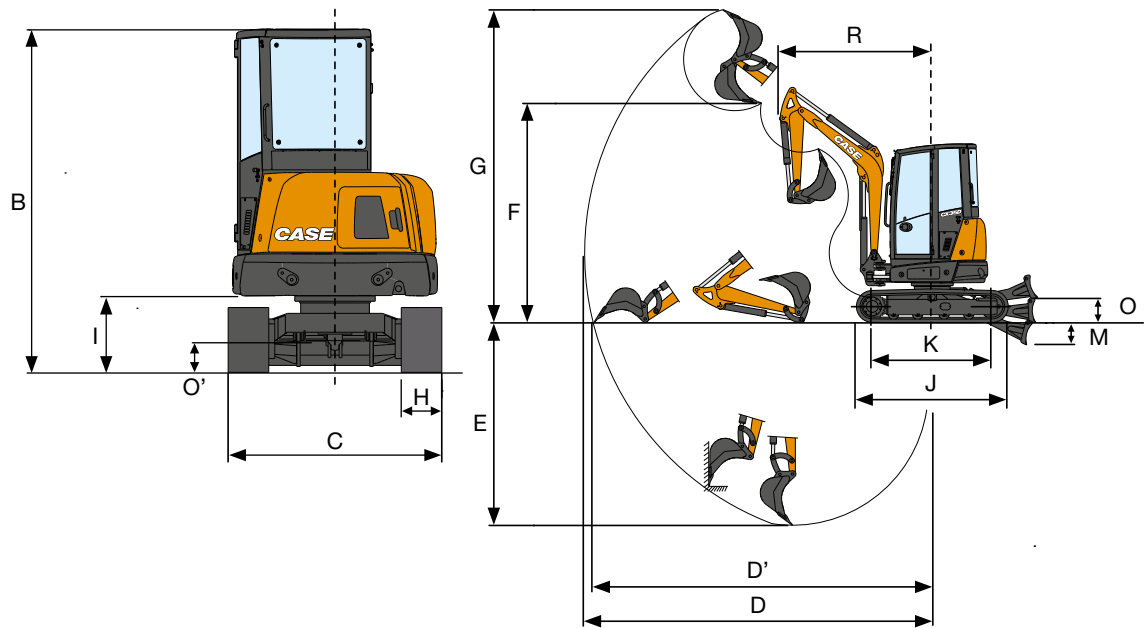
SPECIFICATIONS

MINI EXCAVATORS



GENERAL DIMENSIONS		CX19D		CX25D	
B	Max height	mm	2370	2527	
C	Max width	mm	900 - 1300		1500
R	Min front slew radius	mm	1670 - 1690		1810 - 1860 1880 - 1910
H	Track width	mm	230		280
I	Ground clearance of rear end	mm	456		567
J	Overall length of crawler	mm	1560		1997
K	Centre distance of tumblers	mm	1185		1544
M	Blade max lowering	mm	260		242
O	Blade height	mm	290		352
O'	Ground clearance of undercarriage	mm	X		310
	Rear rotation radius	mm	650		750
	Digging arm length standard (optional)	mm	1150 (1350)		1350 (1550)
	Rollers number (for each side)	n°	3		4/1

PERFORMANCE DATA		CX19D		CX25D		
Dipperstick	mm	1150	1350	1350	1550	
Arm breaking force ISO 6015	daN	950		1450		
Bucket breaking force	daN	1500		2200		
Traction force	daN	1860		2200		
Ground bearing pressure with:						
- canopy	kg/cm ²	-		-		
- canopy ABS roof	kg/cm ²	-		-		
- rubber tracks and canopy	kg/cm ²	0.31		0.28		
- rubber tracks and cab	kg/cm ²	0.32		0.29		
Max. slope		60% - 30°		60% - 30°		
D	Max reach	mm	4020	4210	4770	4960
D'	Max reach at ground level	mm	3920		4660	4850
E	Max digging depth	mm	2280		2700	2900
F	Max dump height	mm	2580		3330	3460
	- canopy			3190		
	- cab			3310		
G	Max digging height	mm	3590		4510	4650
	- canopy			4320		
	- cab			4440		



GENERAL DIMENSIONS		CX35D	CX50D	
B	Max height	mm	2530	2570
C	Max width	mm	1580	1900
R	Min front slew radius	mm	2170	2240 - 2280
H	Track width	mm	300	400
I	Ground clearance of rear end	mm	570	610
J	Overall length of crawler	mm	2155	2460
K	Centre distance of tumblers	mm	1700	1920
M	Blade max lowering	mm	315	480
O	Blade height	mm	345	385
O'	Ground clearance of undercarriage	mm	230	-
	Rear rotation radius	mm	790	950
	Digging arm length standard (optional)	mm	1200 (1400)	1500 (1750)
	Rollers number (for each side)	n°	4/1	5/1

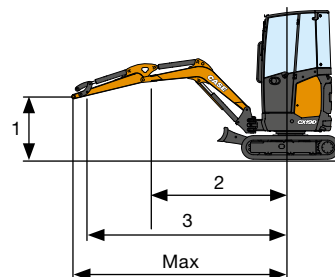
PERFORMANCE DATA		CX35D	CX50D			
Dipperstick	mm	1200	1400	1500	1750	
Arm breaking force ISO 6015	daN	1750		2350		
Bucket breaking force	daN	3100		4300		
Traction force	daN	3400		5420		
Ground bearing pressure with:						
- canopy	kg/cm ²	-		-		
- canopy ABS roof	kg/cm ²	-		-		
- rubber tracks and canopy	kg/cm ²	0.33		-		
- rubber tracks and cab	kg/cm ²	0.34		0.28		
Max. slope		60% - 30°		60% - 30°		
D	Max reach	mm	4930	5120	5630	5870
D'	Max reach at ground level	mm	4810	5010	5500	5750
E	Max digging depth	mm	2870	3070	3330	3580
F	Max dump height	mm	3110	3230	3920	4080
G	Max digging height	mm	4440	4560	5260	5420

LIFTING CAPACITY

CX19D - CX50D

CX19D	2	3	Max
Frontal and lowered dozer blade	610*	420*	390*
Frontal and lifted dozer blade	430	230	180
Lateral, open undercarriage	430	230	190

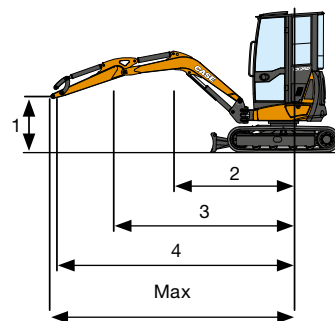
Standard dipper stick L = 1150 mm
(Optional dipper stick L = 1350 mm)



Opening arm from the rotation's centre (m). Lifting capacity (ton) at 1.0 m height

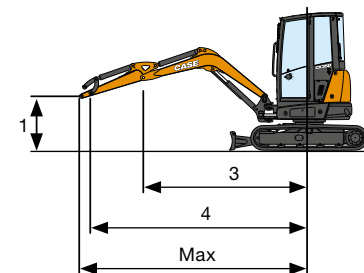
CX25D	2	3	4	Max
Frontal and lowered dozer blade	1040*	550*	420*	410*
Frontal and lifted dozer blade	750	420	260	240
Lateral, open undercarriage	790	440	280	270

Standard dipper stick L = 1350 mm
(Optional dipper stick L = 1550 mm)



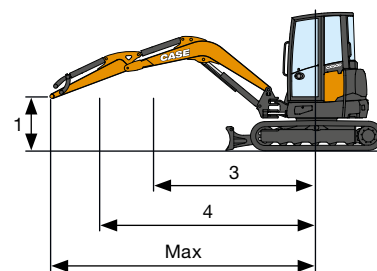
CX35D	3	4	Max
Frontal and lowered dozer blade	870*	650*	630*
Frontal and lifted dozer blade	870*	650*	630*
Lateral, open undercarriage	690	470	430

Standard dipper stick L = 1200 mm
(Optional dipper stick L = 1400 mm)



CX50D	3	4	Max
Frontal and lowered dozer blade	1830*	1280*	1090*
Frontal and lifted dozer blade	1260	820	610
Lateral, open undercarriage	930	620	460

Standard dipper stick L = 1500 mm
(Optional dipper stick L = 1750 mm)



* Indicates the hydraulic load limit.

The lifting capacity is based on the ISO 10567 and it does not exceed more than the 75% of static tipping load or more than the 87% of the hydraulic lifting capacity of the machine.





BUILDING A STRONG CASE.

Since 1842, at CASE Construction Equipment we have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity.

We continually strive to make it easier for our customers to implement emerging technologies and new compliance mandates.

Today, our global scale combined with our local expertise enables us to keep customers' real-world challenges at the centre of our product development.

The vast CASE dealers' network is always ready to support and protect your investment and exceed your expectations, while also providing you with the ultimate ownership experience.

Our goal is to build both stronger machines—and stronger communities. At the end of the day, we do what's right for our customers and our communities so that they can count on CASE.

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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 Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

Conforms to directive 2006/42/EC

