

**D-SERIES CRAWLER EXCAVATORS**  
**CX750D / CX750D ME**

**CASE**  
CONSTRUCTION



**TIER 4**  
**FINAL**  
EU STAGE IV

**IT'S TIME**  
**FOR MORE**

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**SINCE 1842**

# MAIN REASONS TO CHOOSE THE D-SERIES



## POWER TO PERFORM

- 512 hp engine power
- Best-in-class lifting capacity
- New electronically controlled hydraulic pumps for fast working cycles



## HIGH VERSATILITY

- Dedicated model for mass excavation to provide outstanding breakout force performance
- Working modes easily adapt to every work load



## HIGH EFFICIENCY

- Energy saving system to take advantage of all fuel saving opportunities
- High levels of AdBlue autonomy with large AdBlue tank and low additive consumption



## TIER4 FINAL/STAGE IV ENGINE

- Selective Catalytic Reduction after-treatment system and Diesel Oxidation Catalyst
- DPF-free solution saves time and maintenance costs, in addition to delivering a powerful and fuel efficient performance



## HIGH RELIABILITY

- Reliability and durability with the redesigned arm, boom and undercarriage
- CX750D: standard hydrostatic reversible fan to match the real cooling demand, reducing power absorption and reducing maintenance needs thanks to the reversing mode



## SAFE OPERATION

- All filters now located in the pump compartment
- Wider catwalk for a safer maintenance
- Factory fitted travel alarm for greater safety on the jobsite around the machine



## COMFORTABLE CAB

- Extra spacious cab
- Fully adjustable workstation
- New high back seat



## BETTER VISIBILITY

- Standard rear and side cameras
- Optional CASE maximum view monitor (270° rear & side view)
- New LED working light package, is more than three times brighter than its halogen equivalent

## ENGINE

**CX750D**

**CX750D ME**

Model \_\_\_\_\_ ISUZU AH-6WG1X  
 Type \_\_\_\_\_ Water-cooled, 4-cycle diesel, 6-cylinder in line,  
 high pressure common rail system (electric control), Turbocharger with air cooled intercooler,  
 without cooling fan, SCR system  
 Number of cylinders / Displacement (l) \_\_\_\_\_ 6/15.7  
 Emissions level \_\_\_\_\_ Tier 4 final / Eu stage IV  
 Bore & stroke (mm) \_\_\_\_\_ 147 x 154

### Rated flywheel horse power

ISO 14396 (kW / hp) \_\_\_\_\_ 382 / 512 at 1800 min<sup>-1</sup>  
 With fan pump (kW / hp) \_\_\_\_\_ 343 / 460

### Maximum torque

ISO 14396 (Nm) \_\_\_\_\_ 2200 at 1450 min<sup>-1</sup>

## HYDRAULIC SYSTEM

Main pumps \_\_\_\_\_ 2 variable displacement axial piston pumps  
 with regulating system  
 Max. oil flow (l/min) \_\_\_\_\_ 2 x 472 at 1800 min<sup>-1</sup>

### Working circuit pressure

Boom/Arm/Bucket (MPa) \_\_\_\_\_ 31.4  
 With auto power boost (MPa) \_\_\_\_\_ 34.3  
 Swing circuit (MPa) \_\_\_\_\_ 27.9  
 Travel circuit (MPa) \_\_\_\_\_ 34.3

### Pilot pump

\_\_\_\_\_ 1 gear pump  
 Max. oil flow (l/min) \_\_\_\_\_ 27  
 Working circuit pressure (MPa) \_\_\_\_\_ 4.4

### Boom Cylinders

Bore (mm) \_\_\_\_\_ 190  
 Stroke (mm) \_\_\_\_\_ 1805

### Arm Cylinders

Bore (mm) \_\_\_\_\_ 210  
 Stroke (mm) \_\_\_\_\_ 2055

### Bucket Cylinders

Bore (mm) \_\_\_\_\_ 185 | \_\_\_\_\_ 200  
 Stroke (mm) \_\_\_\_\_ 1465 | \_\_\_\_\_ 1450

## SWING

Maximum swing speed (min<sup>-1</sup>) \_\_\_\_\_ 6.7  
 Swing torque (kNm) \_\_\_\_\_ 241

## UNDERCARRIAGE

High travel speed (km/h) \_\_\_\_\_ 4.3  
 Low travel speed (km/h) \_\_\_\_\_ 3.0  
 Drawbar pull (kN) \_\_\_\_\_ 449  
 Track shoes \_\_\_\_\_ 650 mm double grouser shoes,  
 750 mm and 900 mm triple grouser shoes

## CIRCUIT AND COMPONENT CAPACITIES

Fuel tank (l) \_\_\_\_\_ 900  
 Hydraulic system (l) \_\_\_\_\_ 650  
 Hydraulic reservoir (l) \_\_\_\_\_ 310  
 Adblue tank (l) \_\_\_\_\_ 152

## SOUND LEVEL

External guaranteed sound level  
 (EU Directive 2000/14/EC) \_\_\_\_\_ LwA 108 dB(A)  
 Operator cab sound pressure level  
 (ISO 6396) \_\_\_\_\_ LpA 73 dB(A)

## OPERATING WEIGHT AND GROUND PRESSURE

### CX750D

with 3.55 m arm, 2.9 m<sup>3</sup> bucket, 650 mm grouser shoes, operator, lubricant,  
 coolant, full fuel tank

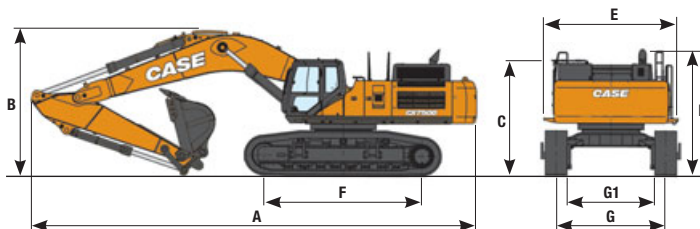
Weight (kg) \_\_\_\_\_ 71400  
 Ground pressure (MPa) \_\_\_\_\_ 0,105  
 Counterweight (kg) \_\_\_\_\_ 10400

### CX750D ME

with 3.0 m arm, 4.0 m<sup>3</sup> bucket, 650 mm grouser shoes, operator, lubricant,  
 coolant, full fuel tank

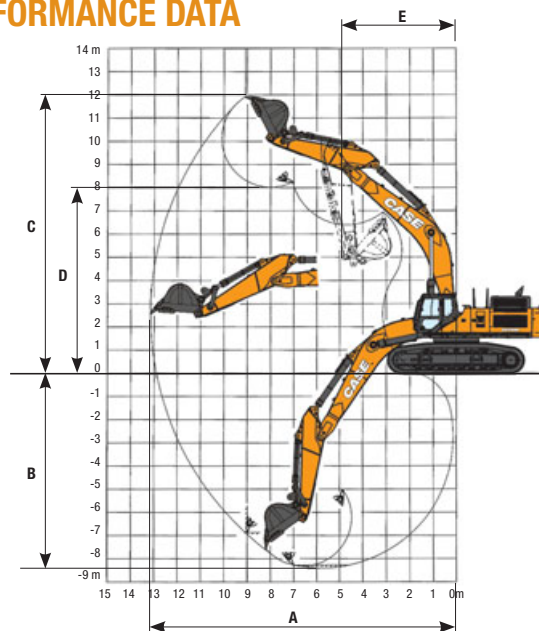
Weight (kg) \_\_\_\_\_ 72000  
 Ground pressure (MPa) \_\_\_\_\_ 0,106  
 Counterweight (kg) \_\_\_\_\_ 10400

## GENERAL DIMENSIONS



		CX750D arm 3.55 m	CX750D ME arm 3.02 m
A	Overall length (with attachment)	mm 13370	12250
B	Overall height (to top of boom)	mm 4320	4960
C	Cab height	mm 3590	
D	Overall height (to top of guardrail)	mm 3950	
	Upper structure overall width (without catwalk)	mm 3700	
E	Upper structure overall width (with catwalk)	mm 4170	
F	Wheel base (center to center of wheels)	mm 4710	
G	Track gauge (Extended)	mm 3350	
G1	Track gauge (Retracted)	mm 2740	
	Undercarriage overall width (Extended) (with 650 mm shoes)	mm 4000	
	Undercarriage overall width (Retracted) (with 650 mm shoes)	mm 3390	
	Tail swing radius	mm 4050	

## PERFORMANCE DATA



		CX750D	CX750D ME
	Boom length	mm 7700	6580
	Arm length	mm 3550*	3020
A	Maximum reach	mm 13070	11730
B	Max digging depth	mm 8400	7180
C	Max digging height	mm 11630	11060
D	Max dumping height	mm 7810	6990
E	Min. Swing radius	mm 5810	5150

\* Standard HD arm - Optional 3.02 HD, 4.1 and 5.00 m arms

## DIGGING FORCE (ISO 6015)

**CX750D** with 3.55 m HD arm and 2.9 m<sup>3</sup> bucket

Arm digging force	kN 259
with auto power up	kN 283
Bucket digging force	kN 306
with auto power up	kN 334

**CX750D ME** with 3.0 m HD arm and 4.0 m<sup>3</sup> bucket

Arm digging force	kN 281
with auto power up	kN 307
Bucket digging force	kN 335
with auto power up	kN 366

Front. Side	REACH													
	2 m		4 m		6 m		8 m		10 m		12 m		At max reach	

**RTC UNDERCARRIAGE - Super long arm 5.0 m length, 650 mm shoes. Maximum reach 12.40 m**

10.0 m															10120*	10120*	9.81	
8.0 m									11750*	11750*					9640*	9640*	11.07	
6.0 m									12330*	11670					9590*	8560	11.86	
4.0 m						20040*	20040*	15670*	15670*	13350*	11140	11420*	8160		9890*	7840	12.27	
2.0 m						24230*	22660	17780*	14800	14430*	10570	11350	7900		10550*	7540	12.34	
0 m						12640*	12640*	26660*	21180	19270*	13950	14610	10090	11130	7690	11030	7610	12.08
-2.0 m	10800*	10800*	19940*	19940*	26930*	20550	19660*	13490	14330	9830					11810	8140	11.46	
-4.0 m	19190*	19190*	29900*	29900*	25110*	20540	18550*	13420	13860*	9860					12860*	9360	10.42	
-6.0 m	30330*	30330*	28620*	28620*	20640*	20640*	14910*	13810							12580*	12170	8.81	

**RTC UNDERCARRIAGE - Long arm 4.11 m length, 650 mm shoes. Maximum reach 11.50 m**

10.0 m															13150*	13150*	8.75
8.0 m										13230*	11740				12440*	11430	10.14
6.0 m								15150*	15150*	13540*	11510				12390*	9720	11
4.0 m						22380*	22380*	17070*	15620	14370*	11050				12560	8850	11.44
2.0 m						25980*	22170	18890*	14650	15100	10570				12170	8510	11.52
0 m						27430*	21110	19930*	13990	14710	10210				12440	8660	11.24
-2.0 m	11940*	11940*	21000*	21000*	26700*	20820	19720*	13700	14580	10080					13520	9380	10.57
-4.0 m	23290*	23290*	32680*	32680*	23800*	21040	17700*	13810							13890*	11120	9.43
-6.0 m					23400*	23400*	17620*	17620*							12870*	12870*	7.6

**RTC UNDERCARRIAGE - Standard arm 3.55 m length, 650 mm shoes. Maximum reach 11.00 m**

8.0 m															14220*	12640	9.49
6.0 m								15990*	15990*	14220*	11340				14030*	10570	10.41
4.0 m						23650*	23610	17780*	153902	14890*	10940				13550	9550	10.87
2.0 m						26770*	21840	19390*	14510	15040	10510				13120	9180	10.95
0 m						27520*	21040	20110*	13950	14730	10220				13460	9370	10.65
-2.0 m			22940*	22940*	26130*	20920	19470*	13770							14740*	10280	9.95
-4.0 m			29730*	29730*	22510*	21290	16680*	14020							14550*	12520	8.73
-6.0 m					14840*	14840*									12720*	12720*	6.71

**RTC UNDERCARRIAGE - Short arm 3.0 m length, 650 mm shoes. Maximum reach 10.70 m**

10.0 m															16360*	16360*	7.58
8.0 m								15630*	15630*						15220*	13150	9.16
6.0 m						20680*	20680*	16680*	16050	14860*	11120				14820*	10910	10.1
4.0 m						24650*	23000	18320*	15130	15290*	10800				14010	9850	10.58
2.0 m						27210*	21440	19690*	14320	14940	10420				13580	9490	10.67
0 m						27230*	20880	20080*	13850	14720	10210				14020	9760	10.36
-2.0 m			19010*	19010*	25240*	20390	18990*	13780							14670*	10820	9.63
-4.0 m			26380*	26380*	20910*	20910*	15170*	14210							13820*	13470	8.36

**RTC UNDERCARRIAGE - ME Short arm 3.0 m length, 650 mm shoes. Maximum reach 9.53 m**

8.0 m															16730*	16730*	7.78
6.0 m								17720*	16520						16020*	13800	8.88
4.0 m						24190*	24190*	19020*	15810						16310*	12170	9.42
2.0 m						27400	22900	20360*	15050						16580	11650	9.51
0 m						28270*	21990	20690*	14550						17280	12060	9.17
-2.0 m	22530*	22530*	37070*	37070*	26240*	21840	18690*	14520							17350*	13790	8.33
-4.0 m			27620*	27620*	19740*	19740*									15970*	15970*	6.82

\* The above loads (kg) are compliant to the ISO standards and refer to the excavator equipped without bucket. The indicated loads are no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk (\*) are limited by the hydraulic lifting capacity.