

CX D-SERIES

CX245D SR

SPECIFICATIONS

ENGINE

Model _____ ISUZU VD-4HK1X
 Type _____ Water-cooled, 4,cycle diesel, 4-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler, SRC system.

Exhaust gas treatment: _____ Stage V , CEGR, DOC + DPD + SCR
 Auto cleaning by temperature and pressure managemen

Number of cylinders / Displacement (l) _____ 4 / 5.2
 Emissions level _____ Reg. Eu 2016/1628 Stage V
 Bore & stroke (mm) _____ 115 x 125

Rated flywheel horse power

SAE J1349, ISO 9249 (kW / hp) _____ 119.3 / 160 at 1800 min⁻¹
 ISO 14396 (kW / hp) _____ 124 / 166 at 1800 min⁻¹

Maximum torque

SAE J 1349, ISO 9249 (Nm) _____ 620 at 1600 min⁻¹
 ISO 14396 (Nm) _____ 636 at 1600 min⁻¹

HYDRAULIC SYSTEM

Main pumps _____ 2 variable displacement axial piston pumps with regulating system

Max. oil flow (l/min) _____ 2 x 211 at 1800 min⁻¹

Working circuit pressure

Boom/Arm/Bucket (MPa) _____ 34.3 - 37.3 with auto power boost

Swing circuit (MPa) _____ 29.4

Travel circuit (MPa) _____ 34.3

Pilot pump _____ 1 gear pump

Max. oil flow (l/min) _____ 18

Working circuit pressure (MPa) _____ 3.9

Boom Cylinders

Bore (mm) _____ 120

Stroke (mm) _____ 1370

Arm Cylinder

Bore (mm) _____ 140

Stroke (mm) _____ 1460

Bucket Cylinder

Bore (mm) _____ 120

Stroke (mm) _____ 1010

SWING

Swing Motor _____ Fixed displacement axial piston motor

Maximum swing speed (min⁻¹) _____ 7.8

Swing torque (kNm) _____ 64

ELECTRICAL SYSTEM

Voltage _____ 24 V

Alternator _____ 85 Amp

Starter _____ 24 V 5.0 kW

Battery _____ 2 X 12 V 92 Ah/5HR

UNDERCARRIAGE

High travel speed (km/h) _____ 5.0

Low travel speed (km/h) _____ 3.2

Drawbar pull (kN) _____ 201

Number of carrier rollers (each side) _____ 2

Number of track rollers (each side) _____ 8

Number of shoes (each side) _____ 49

Type of shoes _____ Triple grouser shoes

Grade ability _____ 70 % (35°)

CIRCUIT AND COMPONENT CAPACITIES

Fuel tank (l) _____ 320

Hydraulic system (l) _____ 252

Hydraulic reservoir (l) _____ 114

AdBlue tank (l) _____ 43

SOUND LEVEL

External guaranteed sound level

(EU Directive 2000/14/EC) _____ LwA 101 dB(A)

Operator cab sound pressure level (ISO 6396) _____ LpA 69 dB(A)

OPERATING WEIGHT

CX245DSR LC MONO

	Without blade	With blade
Max operating weight (kg)	24400	26000
Counterweight (kg)	6530	

CX245DSR 2 PIECE BOOM

	Without blade	With blade
Max operating weight (kg)	26100	27700
Counterweight (kg)	7430	

BLADE DIMENSIONS AND RANGE

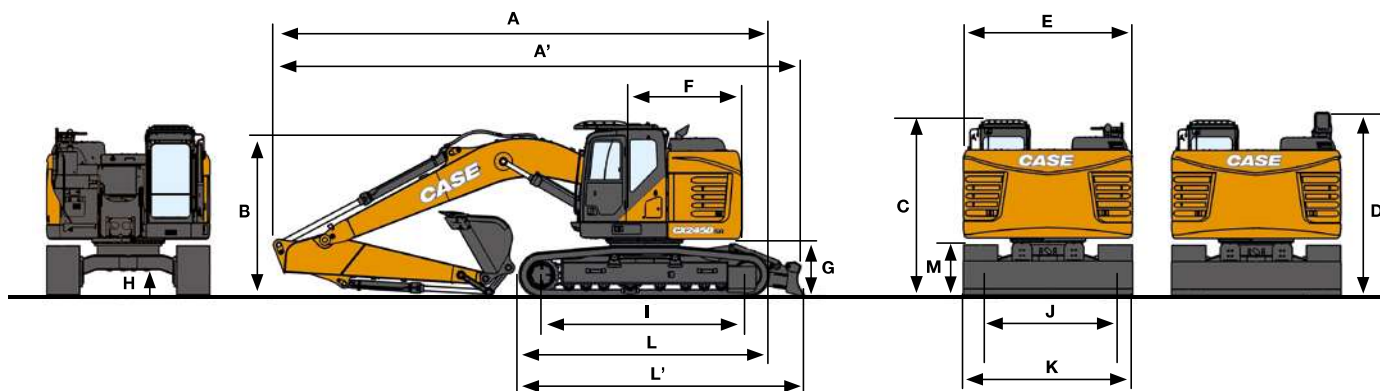
Blade dimensions (width x height) (mm) _____ 3000/3200 x 610

Blade range up / down (mm) _____ 490 / 390

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CX245D SR

GENERAL DIMENSIONS



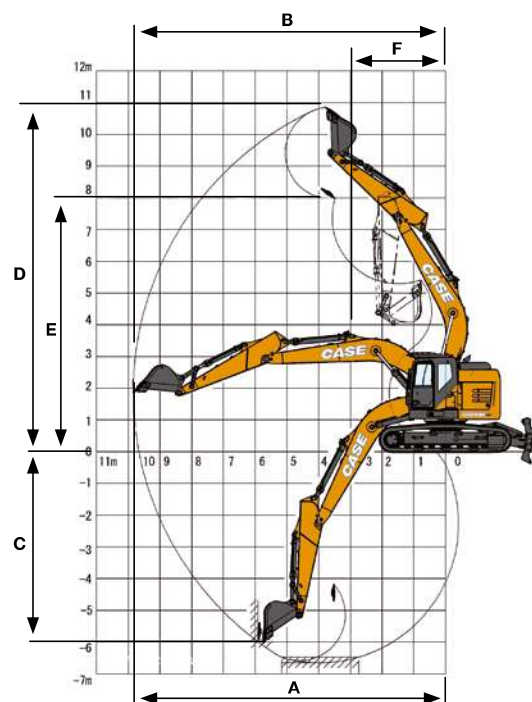
		CX245D SR LC		CX245D SR BLADE	
		Arm 2.4 m HD	Arm 2.95 m	Arm 2.4 m HD	Arm 2.95 m
A Overall length (with attachment)	mm	8920	8830	8920	8830
A' Overall length (with attachment & blade)	mm	-	-	9530	9440
B Overall height (to top of boom)	mm	3180	2980	3180	2980
C Cab height	mm	3140	3140	3140	3140
D Overall height (to top of guardrail)	mm	3290/3090 (folded handrail)	3290/3090 (folded handrail)	3290/3090 (folded handrail)	3290/3090 (folded handrail)
E Upper structure overall width	mm	2990	2990	2990	2990
F Swing (rear end) radius STD count./extra count.	mm	1720	1720	1720	1720
G Clearance height under upper structure	mm	1020	1020	1020	1020
H Minimum ground clearance	mm	440	440	440	440
I Wheel base (Center to center of wheels)	mm	3660	3660	3660	3660
L Crawler overall length	mm	4470	4470	4470	4470
L' Crawler overall length (with blade)	mm	-	-	5560	5560
M Crawler tracks height	mm	920	920	920	920
J Track gauge	mm	2390	2390	2390	2390
K Undercarriage overall width (with 600 mm shoes)	mm	2990	2990	2990	2990

PERFORMANCE DATA

CX245D SR LC / CX245D SR BLADE		Arm 2.4 m HD	Arm 2.95 m
Boom length	mm	5700	5700
A Maximum reach at GRP	mm	9180	9670
B Max reach	mm	9370	9850
C Max digging depth	mm	6120	6650
D Max digging height	mm	10520	10860
E Max dumping height	mm	7630	7970
F Min swing radius	mm	2550	2310

DIGGING FORCE (ISO 6015)

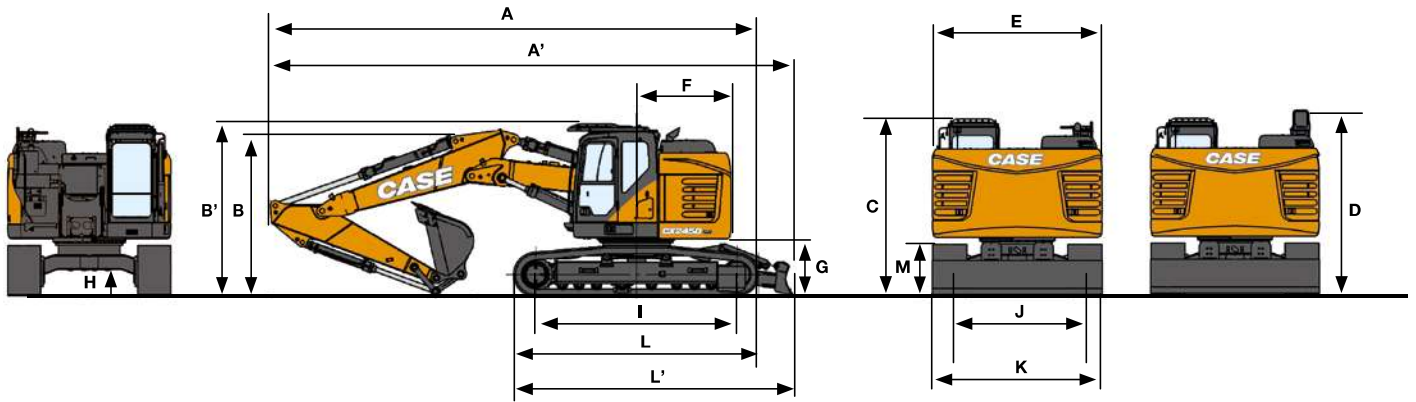
CX245D SR LC / CX245D SR BLADE		Arm 2.4 m HD	Arm 2.95 m
Arm digging force	kN	123	103
With auto power boost	kN	133	112
Bucket digging force	kN	142	142
With auto power boost	kN	154	154



CX D-SERIES

CX245D SR 2 PIECE BOOM

GENERAL DIMENSIONS



CX245D SR 2 PIECE BOOM (WITHOUT BLADE)

CX245D SR 2 PIECE BOOM (WITH BLADE)

	mm	CX245D SR 2 PIECE BOOM (WITHOUT BLADE)		CX245D SR 2 PIECE BOOM (WITH BLADE)	
		Arm 2.4 m	Arm 2.95 m	Arm 2.4 m	Arm 2.95 m
A Overall length (with attachment)	mm	8890	8830	8890	8830
A' Overall length (with attachment & blade)	mm	-	-	9500	9440
B Overall height (to top of boom)	mm	3050	2890	3050	2890
B' Overall height (to top of cab)	mm	3140	3140	3140	3140
C Cab height	mm	3140	3140	3140	3140
D Overall height (to top of guardrail)	mm	3090 (fold guardrail)	3090 (fold guardrail)	3090 (fold guardrail)	3090 (fold guardrail)
E Upper structure overall width	mm	2990	2990	2990	2990
F Swing (rear end) radius	mm	1720	1720	1720	1720
G Clearance height under upper structure	mm	1020	1020	1020	1020
H Minimum ground clearance	mm	440	440	440	440
I Wheel base (Center to center of wheels)	mm	3660	3660	3660	3660
L Crawler overall length	mm	4470	4470	4470	4470
L' Crawler overall length (with blade)	mm	-	-	5060	5060
M Crawler tracks height	mm	920	920	920	920
J Track gauge	mm	2390	2390	2390	2390
K Undercarriage overall width (with 600 mm shoes)	mm	2990	2990	2990	2990

PERFORMANCE DATA

CX245D SR 2 PIECE BOOM / 2 PIECE BOOM W/BLADE		Arm 2.4 m	Arm 2.95 m
1st Boom length	mm	2960	2960
2nd Boom length	mm	2790	2790
Bucket radius	mm	1450	1450
Bucket wrist action	°	177	177
A Maximum reach at GRP	mm	9180	9680
B Max reach	mm	9370	9860
C Max digging depth	mm	5850	6370
D Max digging height	mm	10470	10810
E Max dumping height	mm	7580	7920
F Min swing radius	mm	2680	2440

DIGGING FORCE (ISO 6015)

CX245D SR 2 PIECE BOOM / 2 PIECE BOOM W/BLADE		Arm 2.4 m	Arm 2.95 m
Arm digging force	kN	123	103
With auto power up	kN	133	112
Bucket digging force	kN	142	142
With auto power up	kN	154	154

