



MAXIMUM POWER AND COMFORT

CX B-SERIES HYDRAULIC EXCAVATORS

CX800B

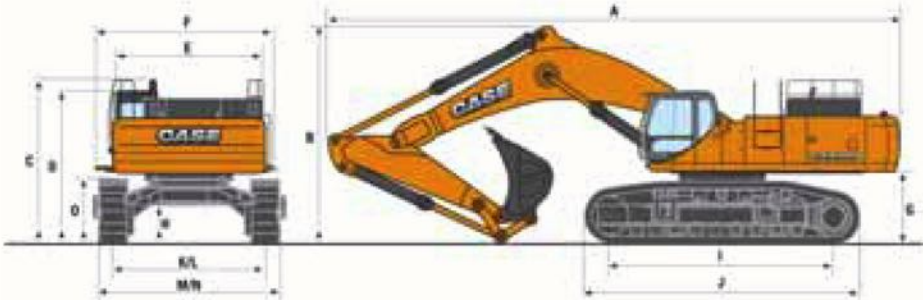
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EXPERTS FOR THE REAL WORLD
SINCE 1842

SPECIFICATIONS

CX800B MASS EXCAVATOR

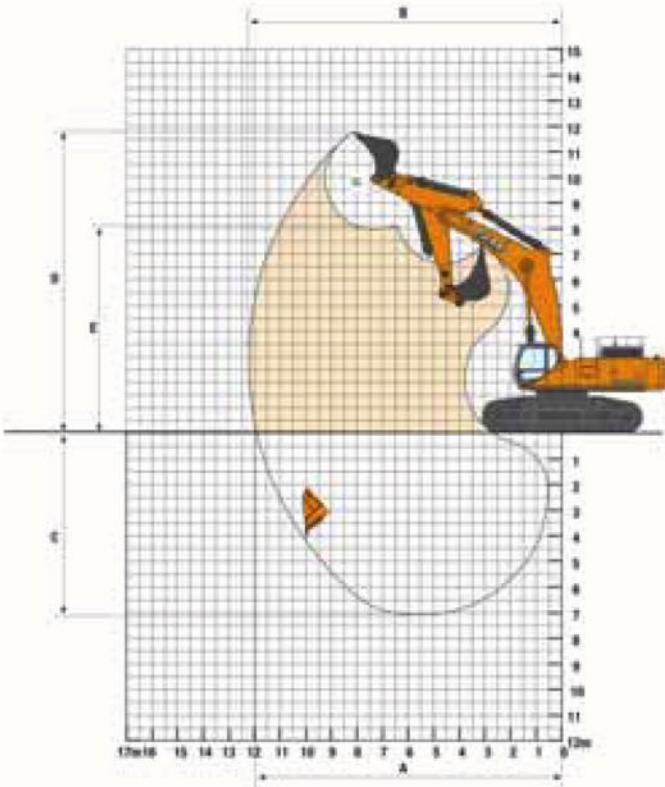
GENERAL DIMENSIONS



Arm 2.98

Overall length (without attachment)	mm	7640
A Overall length (with attachment)	mm	13230
B Overall height (with attachment)	mm	5000
C Overall height (without attachment)	mm	3880
D Cab height	mm	3570
E Upper structure overall width (without catwalks)	mm	3470
F Upper structure overall width (with catwalks)	mm	4250
Swing (rear end) radius	mm	4300
G Clearance height under upper structure	mm	1590
H Minimum ground clearance	mm	890
I Wheel base (Center to center of wheels)	mm	5070
J Crawler overall length	mm	6360
K Track gauge (Extended)	mm	3450
L Track gauge (Retracted)	mm	2830
M Undercarriage overall width (Extended) (with 650 mm shoes)	mm	4360
N Undercarriage overall width (Retracted) (with 650 mm shoes)	mm	3740
O Crawler tracks height	mm	1500

PERFORMANCE DATA



Arm 3.66 m

Boom length	mm	7250
Bucket radius	mm	2200
Bucket wrist action	°	162
A Maximum reach at GRP	mm	11990
B Maximum reach	mm	12310
C Max. digging depth	mm	7030
D Max. digging height	mm	11760
E Max. dumping height	mm	7890
Arm digging force	kN	317
Bucket digging force	kN	430

Front 360°	REACH								m
	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	12.0 m	13.5 m	

Standard arm. 3.66 arm length, 3.3 m³ (2994.4 kg) bucket, 650G shoes, max reach 12.13 m

9.0 m																	7360*	7360*	10.4
7.5 m									12850*	12850*	11290*	11290*					7346*	7346*	11.2
6.0 m									13801*	13801*	12503*	11335					7530*	7530*	11.7
4.5 m			32725*	32725*	22604*	22604*	17776*	17776*	14966*	14183	13168*	10830	7956*	7956*			7908*	7908*	12
3.0 m					25851*	24969	19692*	17794	16140*	13347	13868*	10309	9908*	8090			8510*	7925	12.1
1.5 m			15457*	5457*	27923*	23350	21169*	16708	17110*	12631	14455*	9846	10222*	7820			9406*	7746	12.1
0 m			20263*	20263*	28625*	22508	21967*	15989	17697*	12108	14780*	9497					10734*	7841	11.8
-1.5 m	17914*	17914*	26831*	26831*	28178*	22196	21989*	15618	17750*	11807	14674*	9304					12777*	8259	11.3
-3.0 m	25229*	25229*	34435*	34435*	26711*	22248	21162*	15548	17101*	11737	13858*	9314					13550*	9130	10.7
-4.5 m	33215*	33215*	30442*	30442*	24102*	22609	19285*	15763	15412*	11933							13795*	10766	9.66
-6.0 m			24639*	24639*	19891*	19891*	15787*	15787*									13655*	13655*	8.3

Long arm. 4.44 arm length, 3.0 m³ (2893 kg) bucket, 650G shoes, max reach 13.06 m

10.5 m																4567*	4567*	10.5	
9.0 m											8304*	8304*				4323*	4323*	11.5	
7.5 m											10495*	10495*	5225*	5225*		4232*	4232*	12.2	
6.0 m										12694*	12694*	11585*	11570	8011*	8011*		4265*	4265*	12.7
4.5 m							16423*	16423*	13965*	13965*	12356*	11025	10044*	8515		4412*	4412*	12.9	
3.0 m			26410*	26410*	24134*	24134*	18551*	18313	15287*	13625	13181*	10456	11734*	8161		4681*	4681*	13.1	
1.5 m			18446*	18446*	26852*	24050	20341*	17087	16457*	12828	13925*	9932	12148*	7829		5099*	5099*	13	
0 m	9622*	9622*	19719*	19719*	28281*	22859	21520*	16202	17292*	12206	14452*	9508	12383*	7565		5715*	5715*	12.8	
-1.5 m	15066*	15066*	23858*	23858*	28497*	22273	21961*	15668	17649*	11795	14622*	9225	10595*	7411		6627*	6627*	12.3	
-3.0 m	20696*	20696*	29696*	29696*	27638*	22114	21595*	15444	17390*	11605	14252*	9112				8030*	7719	11.7	
-4.5 m	26995*	26995*	33444*	33444*	25679*	22289	20294*	15501	16299*	11648	12974*	9224				10382*	8849	10.8	
-6.0 m	34495*	34495*	28531*	28531*	22342*	22342*	17719*	15853	13856*	11987						12272*	10914	9.6	
-7.5 m			21231*	21231*	16872*	16872*	12869*	12869*								11599*	11599*	7.9	

S-Long arm. 5.62 arm length, 2.4 m³ (2590.2 kg) bucket, 650G shoes, max reach 14.29 m

10.5 m																	3828*	3828*	12
9.0 m													6375*	6375*			3607*	3607*	12.8
7.5 m													7740*	7740*			3503*	3503*	13.5
6.0 m											10130*	10130*	8911*	8911*	5432*	5432*	3492*	3492*	13.9
4.5 m									12267*	12267*	11012*	11012*	10123*	8773	6713*	6713*	3568*	3568*	14.2
3.0 m			29671*	29671*	20952*	20952*	16459*	16459*	13759*	13759*	11981*	10759	10739*	8343	7620*	6518	3733*	3733*	14.3
1.5 m			25500*	25500*	24432*	24432*	18635*	17731	15176*	13195	12916*	10134	11336*	7924	8119*	6254	4001*	4001*	14.3
0 m			20736*	20736*	26827*	23464	20322*	16569	16337*	12406	13694*	9593	11817*	7559	7853*	6030	4395*	4395*	14
-1.5 m	12661*	12661*	22080*	22080*	28017*	22408	21346*	15765	17096*	11820	14196*	9178	12071*	7283	6044*	5887	4965*	4965*	13.6
-3.0 m	16883*	16883*	25848*	25848*	28090*	21888	21627*	15299	17337*	11453	14295*	8917	11945*	7130			5796*	5796*	13.1
-4.5 m	21857*	21857*	31433*	31433*	27092*	21772	21088*	15131	16925*	11310	13811*	8835	10073*	7153			7063*	6918	12.3
-6.0 m	27874*	27874*	32922*	32922*	24912*	21999	19555*	15245	15618*	11404	12371*	8981					9165*	8144	11.2
-7.5 m	35591*	35591*	27509*	27509*	21180*	21180*	16606*	15670	12818*	11808							10622*	10362	9.85
-9.0 m					14947*	14947*	10999*	10999*									9695*	9695*	7.95

S-Long arm. 5.62 arm length, 2.4 m³ (2590.2 kg) bucket, 650G shoes, max reach 14.29 m

9.0 m																11951*	11951*	8.14
7.5 m									12706*	12706*						11849*	11849*	9.12
6.0 m							17649*	17649*	15806*	14924						12177*	12177*	9.76
4.5 m			32815*	32815*	23861*	23861*	19339*	19339*	16657*	14276						12908*	11474	10.14
3.0 m			37900*	37900*	26957*	26041	21050*	18302	17572*	13585						14119*	10767	10.29
1.5 m			29256*	29256*	28981*	24424	22329*	17305	18262*	12981						15918*	10543	10.22
0 m			33857*	33857*	29512*	23526	22825*	16643	18436*	12560						16349*	10810	9.91
-1.5 m	26302*	26302*	37697*	37697*	28538*	23207	22273*	16342	17737*	12390						16789*	11709	9.35
-3.0 m	37483*	37483*	33429*	33429*	25946*	23350	20297*	16415								17100*	13659	8.49
-3.0 m			26780*	26780*	21110*	21110*										16866*	16866*	7.21

* Hydraulic capacity 87%

SPECIFICATIONS

ENGINE

Make _____ ISUZU
 Type _____ AH-6WG1XYSS-02
 Water-cooled, 4-cycle diesel, 6-cylinder in line, direct injection,
 Turbocharger with air cooled intercooler, without cooling fan
 Number of cylinders _____ 6
 Bore/Stroke _____ 147 x 154 mm
 Horsepower 80/1269/EEC _____ 532 hp (397 kW) @ 1800 rpm
 Maximum torque 80/1269/EEC _____ 2250 Nm @ 1500 rpm

HYDRAULIC SYSTEM

Max output _____ 2 x 500 l/min @ 1800 rpm
 2 variable displacement axial piston pumps _____ Yes
 Attachment _____ 31.4 MPa
 Swing circuit _____ 26.5 MPa
 Travel _____ 34.3 Mpa

SWING

Max upperstructure swing speed _____ 6.4 rpm

TRAVEL

Travel motor _____ Variable displacement axial piston motor
 Max travel speed _____ 4.2 km/h (Automatic travel speed shifting)
 Low travel speed _____ 2.9 km/h
 Gradeability _____ 70% (35°)
 Drawbar pull _____ 565 kN

BUCKET

Heavy duty bucket with teeth/Toplok

SAE Heaped Capacity	l	2400	2780	3300	3700	4100	5000
Width	mm	1300	1450	1650	1800	1900	2300

Extreme duty bucket with Toplok

SAE Heaped Capacity	l	2400	2780	3300	3700	4100
Width	mm	1300	1450	1650	1800	1900

Rock

SAE Heaped Capacity	l	4110
Width	mm	1800

ELECTRICAL SYSTEM

Circuit _____ 24V
 Alternator _____ 50 Amp

UNDERCARRIAGE

Number of carriers rollers (each side) _____ 3
 Number of track rollers (each side) _____ 8
 Number of shoes each side _____ 51
 Type of shoe _____ Double grouser shoe

CIRCUIT AND COMPONENT CAPACITIES

Fuel tank _____ 900 l
 Hydraulic system _____ 720 l
 Engine cooling system _____ 133 l



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