

C-SERIES HYDRAULIC EXCAVATORS
CX300C / CX350C / CX380C

CASE
CONSTRUCTION



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C- SERIES

CX350C

ENGINE

Model _____ ISUZU GH-6HK1X
Type _____ Water-cooled, 4-cycle
diesel, 6-cylinder in line, electronically controlled, high pressure common rail
system, variable geometry turbocharger, air cooled intercooler
Emission certified _____ Tier III
Displacement _____ 7.79 l
Bore/Stroke _____ 115 x 125 mm
Horsepower ISO 14396 GROSS _____ 212 kW(284hp) at 2000 min⁻¹
Horsepower ISO 9249 NET _____ 200 kW (268hp) at 2000 min⁻¹
Maximum torque ISO 14396 _____ 1020 Nm at 1500 min⁻¹
Maximum torque ISO 9249 NET _____ 983 Nm at 1500 min⁻¹

HYDRAULIC SYSTEM

Type _____ 2 variable displacement axial piston pumps with regulating system
Max. oil flow _____ 2 X 300 l/min at 2000 min⁻¹
Working circuit pressure _____
Boom/Arm/Bucket circuit _____ 34.3 MPa
Boom/Arm/Bucket circuit (with auto power up) _____ 37.3 MPa
Swing circuit _____ 30.4 MPa
Travel circuit _____ 34.3 Mpa

SWING

Maximum swing speed _____ 10 min⁻¹
Swing torque _____ 112,000 Nm

FILTERS

Suction filter _____ 105 µm
Return filter _____ 6 µm
Pilot line filter _____ 8 µm

TRAVEL

Travel motor _____ Variable displacement axial piston motor
(Automatic travel speed shifting)
Max travel speed _____ 5.4 km/h
Low travel speed _____ 3.4 km/h
Gradeability _____ 70% (35°)
Drawbar pull _____ 263 kN

ELECTRICAL SYSTEM

Circuit _____ 24 V
Alternator _____ 50 Amp
Starter motor _____ 5.0 kW
Battery _____ 2 × 12 V 128 Ah/5 HR

UNDERCARRIAGE

Number of carriers rollers (each side) _____ 2
Number of track rollers (each side) _____ 7
Number of shoes (each side) _____ 45
Type of shoe _____ Triple grouser shoe

CAPACITIES

Fuel tank _____ 580 lt
Hydraulic system _____ 350 l
Cooling system _____ 32,1 l
Engine crank Case _____ 41 l

WEIGHT

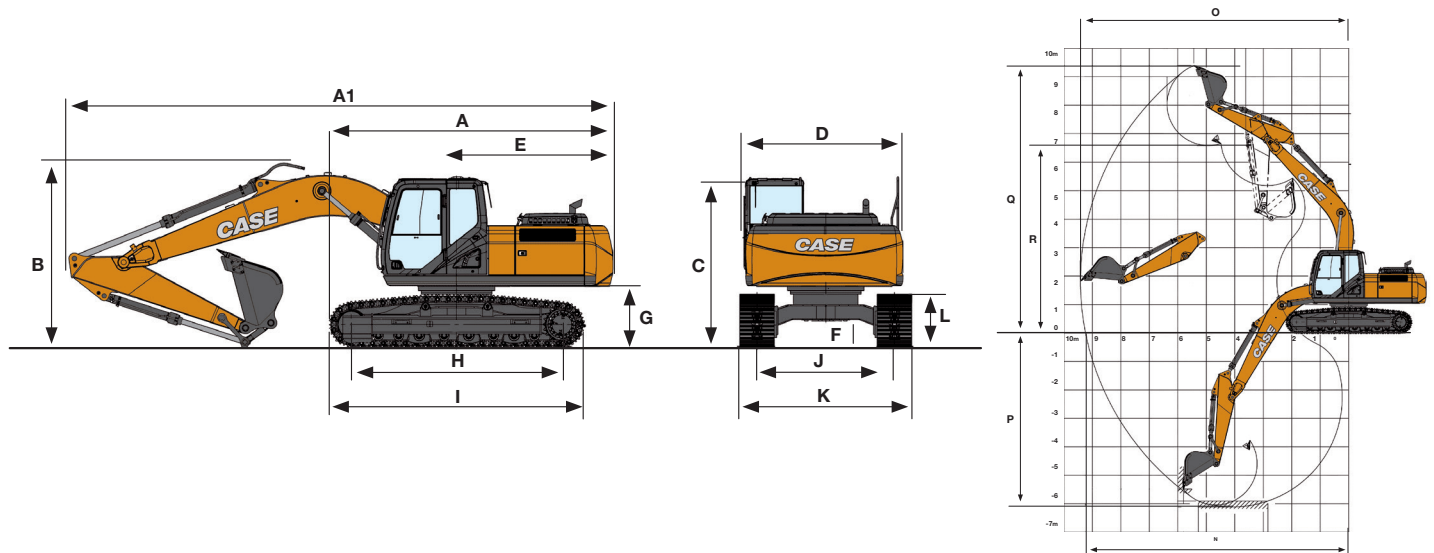
With 2.6 m Arm , 1.8 m³ Sumitomo Bucket , 600 mm
grouser shoe, operator, lubricant, coolant, full fuel tank

CX350C

Weight (LC)	36.200 kg
Ground Pressure (LC)	0.073 Mpa

CRAWLER EXCAVATORS

GENERAL DIMENSIONS



CX350C		Arm 2.6 m		Arm 3.2 m	
A	Overall length (without attachment)	mm	5850	5850	
A1	Overall length (with attachment)	mm	11230	11140	
B	Overall height (with attachment)	mm	3640	3420	
C	Cab height	mm	3140	3140	
D	Upper structure overall width	mm	3030	3030	
E	Swing (rear end radius)	mm	3550	3550	
F	Clearance height under upper structure mm	mm	1200	1200	
G	Minimum ground clearance	mm	470	470	
H	Wheel base (Center to center of wheels)	mm	3720	3720	
I	Crawler overall length	mm	4650	4650	
L	Crawler tracks height	mm	1090	1090	
J	Track gauge	mm	2600	2600	
K	Undercarriage overall width (with 600 mm shoes)	mm	3200	3200	

PERFORMANCE DATA

CX350C		Arm 2.6 m		Arm 3.2 m	
	Boom length	mm	6450	6450	
	Bucket radius	mm	1680	1680	
	Bucket wrist action	°	173	173	
N	Maximum reach at GRP	mm	10470	10980	
O	Maximum reach	mm	10670	11170	
P	Max. digging depth	mm	6730	7340	
Q	Max. digging height	mm	10320	10370	
R	Max. dumping height	mm	7140	7230	
	Arm digging force with auto power up	kN	213	179	
	Bucket digging force with auto power up	kN	252	252	

LIFTING CAPACITY

CX300C / CX350C

Front 360°	REACH									
	0 m	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	At max reach	
										m

CX300C, Arm 3.1 m, Shoe 600mm, bucket 1.4 m³, max reach 10.70m

7.5 m										5250*	5250*					3260*	3260*	8,75
6.0 m										6010*	5410	4840*	3750			3170*	3170*	9,56
4.5 m									7690*	7520	6750*	5190	5270	3650		3210*	2840	10,05
3.0 m																3340*	2640	10,27
1.5m																3570*	2590	10,24
0 m																3960*	2670	9,98
- 1.5 m			7970*	7970*	10930*	10930*	15300	9830	9260	6170	6420	4310	4790	3190		4400	2920	9,48
- 3.0 m			10740*	10740*	14960*	14960*	14980*	9940	9290	6210	6480	4360				5090	3410	8,7
- 4.5 m			14810*	14810*	18430*	18430*	13020*	10220	9340*	6440	6540	4490				6410*	4360	7,57
- 6.0 m					12630*	12630*	9120*	9120*								5770*	5770*	5,93

Front 360°	REACH									
	0 m	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	At max reach	
										m

CX350C, Arm 2.6 m, Shoe 600mm, bucket 1.8 m³, max reach 10.70m

9.0 m										5310*	5310*					5100*	5100*	7,53
7.5 m										6970*	6680					4710*	4710*	8,77
6.0 m										7430*	6530	6400	4500			4550*	3870	9,57
4.5 m																4570*	3380	10,04
3.0 m																4690	3140	10,24
1.5m																4640	3090	10,19
0 m																4830	3220	9,91
- 1.5 m			8780*	8780*	13900*	13900*	17650*	12040	11070	7470	7640	5180	5690	3830		5330	3570	9,37
- 3.0 m			15590*	15590*	20230*	20230*	16270*	12260	11190	7590	7770	5310				6300	4280	8,54
- 4.5 m					18420*	18420*	13590*	12450	10040*	7930						6520*	5700	7,33

Front 360°	REACH									
	0 m	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	12.0 m	At max reach
										m

CX350C, Arm 3.2 m, Shoe 600mm, bucket 1.6 m³, max reach 11.20m

7.5 m										6150*	6150*	4740*	4720					3140*	3140*	9,37
6.0 m										6770*	6580	6060*	4650					3060*	3060*	10,11
4.5 m																		3100*	3090	10,55
3.0 m																		3230*	2870	10,74
1.5m																		3460*	2810	10,7
0 m																		3860*	2910	10,43
- 1.5 m			10050*	10050*	13810*	13810*	17950*	11950	11050	7440	7620	5160	5640	3780				4480*	3190	9,92
- 3.0 m			14080*	14080*	18650*	18650*	17030*	12100	11100	7500	7670	5210	5740	3880				5540*	3740	9,14
- 4.5 m			18700*	18700*	21100*	21100*	14950*	12450	11050	7770	7750	5530						6630*	4800	8,01
- 6.0 m					15070*	15070*	10980*	10980*	7570*	7570*								6320*	6320*	6,4

STANDARD EQUIPMENT

Upper window steel
Back mirror (cab)
Arm rest
Windscreen washer and wiper
Long lever
Pre-disposal for the optional cab protection
Exclusive key for case

ELECTRICAL EQUIPMENT

High band am/fm radio (with usb port)
12v dc converter
Anti-theft device (password system)
Auto air conditioner
Cool box (refrigerated compartment integrated in cab)
Integrated diagnostic system
7" full-colour monitor display (with high-luminance led, backlight)

HYDRAULIC SYSTEM & CONTROL

Auto/heavy/super power working modes
Pump torque variable control
Automatic power boost control
High performance "super fine" synthetic fiber hydraulic
Filter (high contamination catch)

ENGINE

Common rail engine certified china nrmm stage III
Automatic engine pre-heating (cold start device for max. -20°C)
Automatic/manual engine return to idle
Exhaust gas recirculator (egr)
Emergency stop (engine emergency shut down switch on left console)
Fuel filter w/ water separator (hd type adapted for low fuel quality)
Air cleaner, double element

UNDERCARRIAGE

Sealed and lubricated tracks
Lower under cover

UPPERCARRIAGE & EQUIPMENT

EMS (extended maintenance system) pins and bushings as standard
Full under cover
Back mirror(front right side)
Front storage box
Low friction resin side shims on boom and dipper

AMBIENT TEMPERATURE

From -20°C to +45°C

HYDRAULIC OIL

ISO-VG46, from -20°C to +100°C

