

Specifications

Engine

Model _____ Tier 4 interim certified ISUZU AL-6UZ1X
 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, DPD system
 Number of cylinders _____ 6
 Bore/Stroke _____ 120 x 145 mm
 Horsepower 80/1269/EEC _____ 270 kW @ 2000 min⁻¹
 (without fan-pump)
 Horsepower 80/1269/EEC _____ 245 kW @ 2000 min⁻¹
 (with fan-pump)
 Maximum torque 80/1269/EEC _____ 1435 Nm @ 1500 min⁻¹
 (without fan-pump)

Hydraulic system

Max oil flow _____ 2 x 364 l/min @ 2000 min⁻¹
 2 variable displacement axial piston pumps with regulating system
 Working circuit pressure _____
 Boom/Arm/Bucket _____ 31.4 MPa
 Boom/Arm/Bucket (with auto power up) _____ 34.3 MPa
 Swing circuit _____ 29.4 MPa
 Travel _____ 34.3 Mpa

Swing

Maximum swing speed _____ 9 min⁻¹

Travel

Travel motor _____ Variable displacement axial piston motor
 Max travel speed _____ 5.3 km/h (Automatic travel speed shifting)
 Low travel speed _____ 3.2 km/h
 Gradeability _____ 70% (35°)
 Drawbar pull _____ 340 kN

Electrical system

Battery _____ 2x12V
 Alternator _____ 50 Amp

Undercarriage

Number of carriers rollers (each side) _____ 2
 (Fixed sideframe undercarriage)
 Number of carriers rollers (each side) _____ 3
 (Retractable sideframe undercarriage)
 Number of track rollers (each side) _____ 9
 Number of shoes (each side) _____ 50
 Type of shoe _____ Triple grouser shoe

Capacities

Fuel tank _____ 650 l
 Hydraulic system _____ 460 l
 Cooling system _____ 47 l

Weight and ground pressure

With 3.38 m arm, 2.0 m³ HD bucket.

CX470C	Weight (kg)*	Ground pressure (MPa)
600 mm grouser shoe with fixed sideframe undercarriage	47.800	0.082

* With operator, lubricant, coolant and full fuel tank

CX470C	Weight (kg)*	Ground pressure (MPa)
600 mm grouser shoe with retractable sideframe undercarriage	49.300	0.084

* With operator, lubricant, coolant and full fuel tank

With 2.53 m arm, 3.0 m³ HD bucket.

CX470C MASS EXCAVATOR	Weight (kg)*	Ground pressure (MPa)
600 mm grouser shoe with fixed sideframe undercarriage	48.200	0.083

* With operator, lubricant, coolant and full fuel tank

CX470C MASS EXCAVATOR	Weight (kg)*	Ground pressure (MPa)
600 mm grouser shoe with retractable sideframe undercarriage	49.700	0.085

* With operator, lubricant, coolant and full fuel tank

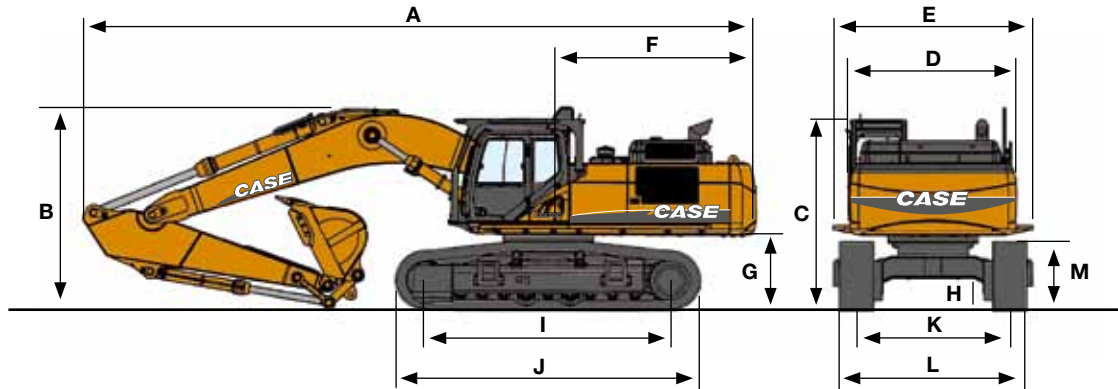


CX C-SERIES HYDRAULIC EXCAVATORS

CX470C

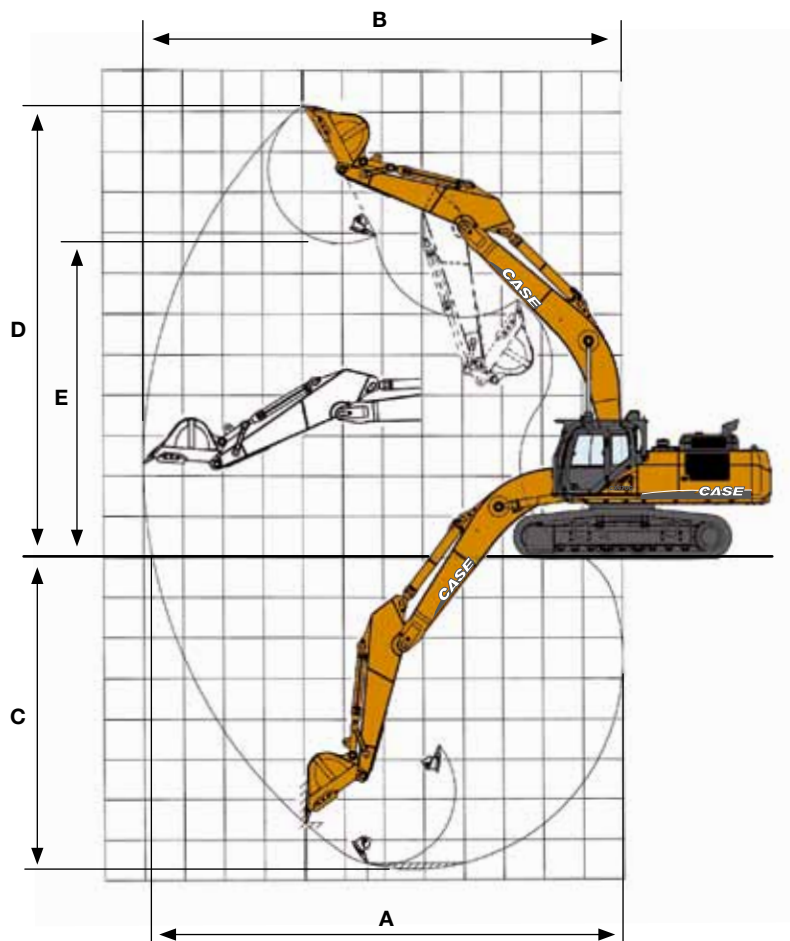
TIER 4 INTERIM

General dimensions



	FIXED SIDEFRA ME UNDERCARRI AGE		RETRACTABLE SIDEFRA ME UNDERCARRI AGE	
	Arm 3.38 m	Arm 2.53 m	Arm 3.38 m	Arm 2.53 m
Overall length (without attachment)	6445 mm	6445 mm	6445 mm	6445 mm
A Overall length (with attachment)	12060 mm	12120 mm	12030 mm	12100 mm
B Overall height (with attachment)	3620 mm	3670 mm	3650 mm	3720 mm
C Cab height (Top of head guard)	3440 mm	3440 mm	3590 mm	3590 mm
D Upper structure overall width (without catwalks)	3060 mm	3060 mm	3060 mm	3060 mm
E Upper structure overall width (with catwalks)	3590 mm	3590 mm	3590 mm	3590 mm
F Swing (rear end) radius	3730 mm	3730 mm	3730 mm	3730 mm
G Clearance height under upper structure	1330 mm	1330 mm	1480 mm	1480 mm
H Minimum ground clearance	540 mm	540 mm	740 mm	740 mm
I Wheel base (Center to center of wheels)	4400 mm	4400 mm	4400 mm	4400 mm
J Crawler overall length	5450 mm	5450 mm	5450 mm	5450 mm
K Track gauge (Extended)	2750 mm	2750 mm	2890 mm	2890 mm
Track gauge (Retracted)	-	-	2390 mm	2390 mm
L Undercarriage overall width (Extended) (with 600 mm shoes)	3350 mm	3350 mm	3490 mm	3490 mm
Undercarriage overall width (Retracted) (with 600 mm shoes)	-	-	2990 mm	2990 mm
M Crawler tracks height	1240 mm	1240 mm	1220 mm	1220 mm

Performance data



	FIXED SIDEFAME UNDERCARRIAGE		RETRACTABLE SIDEFAME UNDERCARRIAGE	
	Arm 3.38 m	Arm 2.53 m	Arm 3.38 m	Arm 2.53 m
Boom length	6980 mm	6980 mm	6980 mm	6980 mm
Bucket radius	1840 mm	1840 mm	1840 mm	1840 mm
Bucket wrist action	176°	176°	176°	176°
A Maximum reach at GRP	11770 mm	10990 mm	11740 mm	10950 mm
B Maximum reach	12000 mm	11230 mm	12000 mm	11230 mm
C Max. digging depth	7720 mm	6870 mm	7570 mm	6720 mm
D Max. digging height	11140 mm	10820 mm	11290 mm	10970 mm
E Max. dumping height	7740 mm	7420 mm	7890 mm	7570 mm

Digging force

With 2.0 m³ HD bucket (ISO 6015)

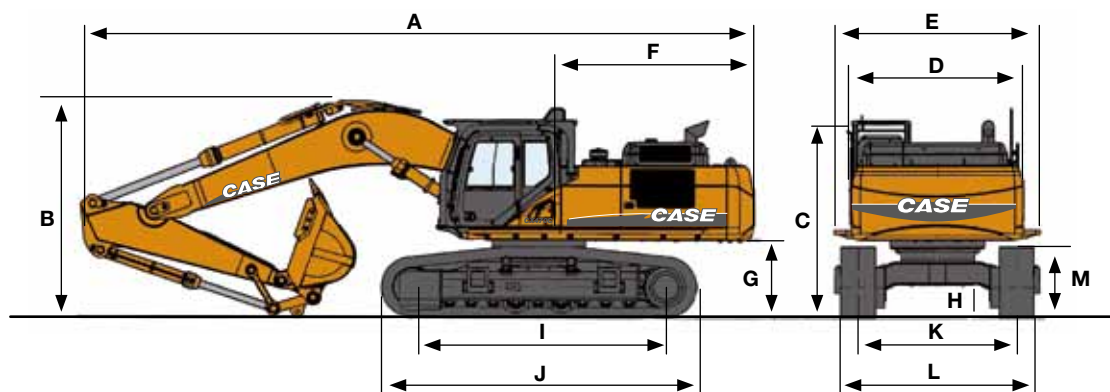
	Arm 3.38 m	Arm 2.53 m
Arm digging force	209 kN	257 kN
- with auto power boost	229 kN	281 kN
Bucket digging force	247 kN	247 kN
- with auto power boost	270 kN	270 kN

CX C-SERIES HYDRAULIC EXCAVATORS

CX470C MASS EXCAVATOR

TIER 4 INTERIM

General dimensions



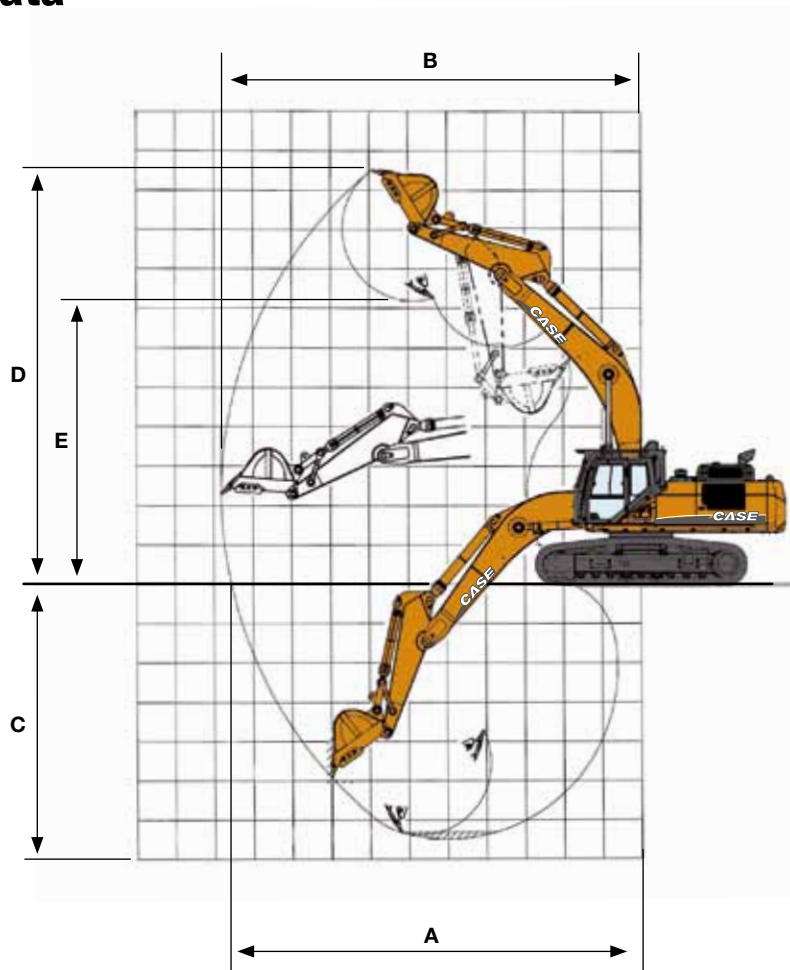
	FIXED SIDEFRA ME UNDERCARRI AGE	RETRACTABLE SIDEFRA ME UNDERCARRI AGE
--	---------------------------------------	---

Arm 2.53 m

Arm 2.53 m

	FIXED SIDEFRA ME UNDERCARRI AGE	RETRACTABLE SIDEFRA ME UNDERCARRI AGE
Overall length (without attachment)	6445 mm	6445 mm
A Overall length (with attachment)	11680 mm	11660 mm
B Overall height (with attachment)	3780 mm	3820 mm
C Cab height (Top of head guard)	3440 mm	3590 mm
D Upper structure overall width (without catwalks)	3060 mm	3060 mm
E Upper structure overall width (with catwalks)	3590 mm	3590 mm
F Swing (rear end) radius	3730 mm	3730 mm
G Clearance height under upper structure	1330 mm	1480 mm
H Minimum ground clearance	540 mm	740 mm
I Wheel base (Center to center of wheels)	4400 mm	4400 mm
J Crawler overall length	5450 mm	5450 mm
K Track gauge (Extended)	2750 mm	2890 mm
Track gauge (Retracted)	-	2390 mm
L Undercarriage overall width (Extended) (with 900 mm shoes)	3350 mm	3490 mm
Undercarriage overall width (Retracted) (with 900 mm shoes)	-	2990 mm
M Crawler tracks height	1240 mm	1220 mm

Performance data



	FIXED SIDEFRA ME UNDERCARRI AGE	RETRACTABLE SIDEFRA ME UNDERCARRI AGE
	Arm 2.53 m	Arm 2.53 m
Boom length	6550 mm	6550 mm
Bucket radius	1850 mm	1850 mm
Bucket wrist action	161 °	161 °
A Maximum reach at GRP	10560 mm	10520 mm
B Maximum reach	10810 mm	10810 mm
C Max. digging depth	6490 mm	6340 mm
D Max. digging height	10520 mm	10670 mm
E Max. dumping height	7180 mm	7340 mm

Digging force

With 3.0 m³ HD bucket (ISO 6015)

	Arm 2.53 m
Arm digging force	255 kN
- with auto power boost	279 kN
Bucket digging force	286 kN
- with auto power boost	313 kN

CX C-SERIES HYDRAULIC EXCAVATORS

CX470C

TIER 4 INTERIM

Lifting capacity

Front 360°	REACH							
	1,5 m	3,0 m	4,5 m	6,0 m	7,5 m	9,0 m	10,5 m	At max reach

LC - Short arm. 2.53 m arm length, 2.0 m³ HD bucket, 600G shoes, max reach 10.80 m

9,0 m								7430*	7430*					7090*	7090*	8,4	
7,5 m								9720*	9610	8790*	6850			6770*	6080	9,49	
6,0 m						11810*	11810*	10560*	9370	9440*	6670			6700*	5110	10,2	
4,5 m					18660*	18660*	14460*	12860	11520*	8850	9960*	6390	8020	4690	6800*	4570	10,6
3,0 m					22210*	18360	16430*	11920	12600*	8330	10280	6090	7890	4550	7070*	4320	10,76
1,5 m					18280*	17030	17410*	11180	13290*	7900	10040	5840	7750	4430	7510*	4290	10,68
0 m					21520*	16850	17400*	10780	13240	7610	9850	5670			7860	4480	10,37
-1,5 m			17400*	17400*	22370*	17480	16880*	10810	13060*	7570	9840	5670			8510*	4960	9,8
-3,0 m			24880*	24880*	19950*	17710	15390*	11020	11840*	7750					8210*	5890	8,93
-4,5 m			20070*	20070*	16070*	16070*	12440*	11240	8610*	7990					7460*	7460*	7,69

LC - Standard arm. 3.38 m arm length, 1.8 m³ HD bucket, 600G shoes, max reach 11.50 m

9,0 m											6680*	6680*			4820*	4820*	9,4
7,5 m											7970*	7100			4610*	4610*	10,37
6,0 m									9480*	9400*	8740*	6880	7420*	4970	4560*	4420	11,01
4,5 m						13090*	13070*	10670*	9130	9190*	6560	8070*	4810	4650*	3990	11,39	
3,0 m					20600*	19540	15340*	12350	11920*	8550	9890*	6210	7960	4620	4850*	3770	11,53
1,5 m					22970*	17870	16880*	11470	12890*	8040	10120	5900	7770	4440	5170*	3720	11,46
0 m			9940*	9940*	23750*	17110	17400*	10890	13290	7660	9860	5670	7630	4310	5700*	3850	11,17
-1,5 m	10930*	10930*	15560*	15560*	23490*	17200	17190*	10710	13110	7500	9750	5560	7620	4310	6510*	4200	10,64
-3,0 m	17070*	17070*	21320*	21320*	21780*	17440	16300*	10820	12560*	7560	9670*	5660			7790*	4860	9,86
-4,5 m			25410*	25410*	18760*	17570	14260*	11120	10780*	7850					7490*	6090	8,74
-6,0 m			17890*	17890*	13780*	13780*	10260*	10260*							6610*	6610*	7,17

LC - ME short arm. 2.53 m arm length, 3.0 m³ HD bucket, 600G shoes, max reach 10.40 m

9,0 m															6000*	6000*	8,13
7,5 m															5660*	5660*	9,22
6,0 m							11460*	11460*	10350*	9280	9100*	6460			5520*	5120	9,92
4,5 m					17640*	17640*	14130*	13030	11410*	8800	9720*	6210			5570*	4560	10,33
3,0 m					21130*	19230	16120*	12090	12450*	8280	10110*	5930			5790*	4290	10,48
1,5 m					23590*	17700	17230*	11290	13110*	7830	9900	5670			6190*	4260	10,4
0 m			13020*	13020*	23940*	17140	17280*	10800	13190*	7510	9710	5490			6850*	4480	10,07
-1,5 m			19130*	19130*	22760*	17450	16810*	10740	12840*	7430	9670	5510			7970*	5020	9,49
-3,0 m			27110*	27110*	20230*	17700	15230*	10960	11410*	7640					8070*	6050	8,61
-4,5 m			20610*	20610*	15890*	15890*	11850*	11070							7200*	7200*	7,34

* Hydraulic capacity 87%

Lifting capacity

Front 360°	REACH							
	1,5 m	3,0 m	4,5 m	6,0 m	7,5 m	9,0 m	10,5 m	At max reach

RETRACTABLE - Short arm. 2.53 m arm length, 2.0 m³ HD bucket, 600G shoes, max reach 10.80 m

9,0 m								7600*	7600*					7040*	7040*	8,53					
7,5 m								10150*	10150*	8840*	7460			6750*	6520	9,58					
6,0 m								12450*	12450*	10630*	10130*	9510*	7270		6710*	5560	10,25				
4,5 m								19060*	19060*	14680*	13860	11630*	9600	9990*	6980	8300	5180	6830*	5030	10,63	
3,0 m								22480*	20020	16570*	12960	12690*	9080	10410*	6680	8160	5040	7100*	4790	10,76	
1,5 m								18340*	18340*	17440*	12240	13330*	8660	10360	6430	8030	4920	7570*	4790	10,66	
0 m								22100*	18600	17390*	11880	13370*	8380	10190	6270			8210	5020	10,32	
-1,5 m								17920*	17920*	22180*	19330	16780*	11920	12980*	8370	10100*	6300		8500*	5580	9,73
-3,0 m								25050*	25050*	19640*	19210*	15170*	12150	11640*	8560				8160*	6650	8,83
-4,5 m								19350*	19350*	15560*	15560*	12020*	12020*	7830*	7830*				7370*	7370*	7,54

RETRACTABLE - Standard arm. 3.38 m arm length, 1.8 m³ HD bucket, 600G shoes, max reach 11.50 m

9,0 m																		7020*	7020*			4790*	4790*	9,52										
7,5 m																		8050*	7720			4600*	4600*	10,45										
6,0 m																		9570*	9570*	8770*	7470	7650*	5460	4570*	4570*	11,06								
4,5 m																		12430*	12430*	17390*	17390*	13330*	13330*	10800*	9880	9240*	7150	8120*	5300	4660*	4400	11,41		
3,0 m																		20930*	20930*	15540*	13380	12040*	9300	9960*	6800	8230	5100	4870*	4200	11,53				
1,5 m																		23120*	19590	16980*	12520	12960*	8790	10410	6490	8040	4920	5210*	4170	11,44				
0 m																		10620*	10620*	23840*	18860	17400*	11960	13340*	8420	10190	6260	7910	4800	5760*	4340	11,12		
-1,5 m																		11670*	11670*	16090*	16090*	23370*	19030	17140*	11820	13180*	8290	10090	6180	7610*	4820	6600*	4750	10,58
-3,0 m																		17520*	17520*	22020*	22020*	21540*	19290	16160*	11930	12450*	8370	9530*	6300		7780*	5500	9,76	
-4,5 m																		24790*	24790*	18370*	18370*	13970*	12210*	10500*	8660					7420*	6920	8,61		
-6,0 m																		13120*	13120*	9660*	9660*									6430*	6430*	6,97		

RETRACTABLE - ME short arm. 2.53 m arm length, 3.0 m³ HD bucket, 600G shoes, max reach 10.40 m

9,0 m																										5950*	5950*	8,26											
7,5 m																											5650*	5650*	9,31										
6,0 m																											5530*	5530*	9,98										
4,5 m																											17970*	17970*	14350*	13860	11520*	9560	9780*	6810	5590*	5030	10,36		
3,0 m																											21460*	20920	16270*	13140	12530*	9040	10270*	6520	5820*	4780	10,48		
1,5 m																											23690*	19450	17270*	12350	13150*	8590	10230	6270	6250*	4780	10,38		
0 m																											13820*	13820*	23890*	18960	17270*	11880	13180*	8280	10040	6100	6960*	5050	10,03
-1,5 m																			13540*	13540*	19820*	19820*	22570*	19320	16710*	11860	12750*	8230	9630*	6150			8110*	5670	9,42				
-3,0 m																			26680*	26680*	19890*	19230	14990*	12100	11170*	8480						8060*	6870	8,5					
-4,5 m																			19770*	19770*	15310*	15310*	11350*	11350*								7050*	7050*	7,18					

* Hydraulic capacity 87%

Standard Equipment

<p>ENGINE Isuzu 6-cylinder turbo-charged diesel Certified Tier 4 interim (CEGR) Electronic fuel injection High pressure common rail system Variable geometry turbo charger Multiple exhaust gas recirculation Diesel Particulate diffuser System (DPD) Neutral safety start Auto-engine warm up, emergency stop Glow-plug pre-heat Idle System: Auto-idle One-touch idle Idle shut-down EPF (Engine Protection Feature) Dual-stage fuel filtration Dual element air filter Remote oil filter Green plug oil drain 500-hour engine oil change interval Refuel pump</p> <p>HYDRAULICS Auto power boost</p>	<p>Auto swing priority Auto travel speed change Selectable work modes Overload warning device SWC - Swing Relief Control SSC - Spool Stroke Control BEC - Boom Economy Control AEC - Auto Economy Control SEC - Swing Economy Control ISO pattern controls Pre-set auxiliary pump settings Switch controlled auxiliary selection Auxiliary valve Auxiliary pipe brackets 5,000 hour hydraulic oil change interval 1,000 hour hydraulic filter change interval Hydraulic track adjustment SAHR brake</p> <p>UPPERSTRUCTURE Isolation mounted cab (fluid and spring) Common key vandal locks Swivel guard belly pan Rear view safety camera</p> <p>ATTACHMENT Monoboam 6.98 m (ME: 6.55 m)</p>	<p>Arm 2.53/3.38 m (ME: 2.53 m only) Bucket linkage w/hook Boom-mounted work light (70 watt) Auxiliary pipe brackets Centralized lube bank Attachment cushion valve Arm and boom regeneration Arm and boom hose burst check valves EMS bushings (except bucket) – greasing interval up to 1000 hours</p> <p>OPERATOR STATION ROPS protection FOPS guard OPG level II Pressurized cab Tempered safety glass One-touch lock front window Sun visor & rain deflector AC/heat/defrost w/ auto climate control Hot & coolbox, cup holder & ashtray Interior dome light Cloth-covered air-suspension seat Seat belt Adjustable armrests Tilting consoles - 4-position Low-effort controls (short) Sliding cockpit (180 mm)</p>	<p>Controls pre-wired for auxiliary Auxiliary select system Straight travel Aux-in port for personal electronics Multifunction color monitor Rear-view camera Anti-theft system (start code system) Rubber floor mat 12-volt electric socket 24-volt cigarette lighter One-piece right hand window 2 internal & 3 external view mirrors 2 working lights (boom & upperstructure) 2 cab top working lights Windshield wiper / washer Clear (Lexan) roof window w/ sunshade Storage compartments On-board diagnostic system Travel alarm with cancel switch</p> <p>UNDERCARRIAGE 600 mm steel shoes, triple semigrouser Full overlap turntable bearing tub Double track guides</p>
--	--	--	--

Options

<p>HYDRAULICS Auxiliary Hydraulics - Single acting pedal-activated breaker circuit Pedal activated multifunction circuit Pedal activated multifunction circuit w/pressure control Pedal activated low-flow circuit</p>	<p>ATTACHMENT Hydraulic or mechanic quickcoupler Buckets: Extreme / Heavy duty / GP / ditching Hammers, shears, grapples</p> <p>OPERATOR STATION Front cab guard - vertical bars (OPG level 2) Front cab guard - vertical bars (OPG level 1)</p>	<p>Front mesh screen AM/FM CD/radio w/ antenna and 2-speakers Side-view camera</p> <p>UPPERSTRUCTURE Auto centralized greasing system Rubber bumper guard (order through Service Parts)</p>	<p>UNDERCARRIAGE Steel shoes, triple semi-grouser 750 / 900mm Steel shoes, triple semi-grouser Full track guide</p>
--	---	--	---

Standard and optional equipment shown can vary by country.

Worldwide Case Construction Equipment Contact Information

EUROPE:
 via Plava, 80
 10135 TORINO - ITALIA

AFRICA/MIDDLE EAST/CIS:
 Riva Paradiso 14
 6902 Paradiso - SWITZERLAND

NORTH AMERICA/MEXICO:
 700 State Street
 Racine, WI 53404 U.S.A.

LATIN AMERICA:
 Av. General David Sarnoff 2237
 32210 - 900 Contagem - MG
 Belo Horizonte BRAZIL

ASIA PACIFIC:
 Unit 1 - 1 Foundation Place - Prospect
 New South Wales - 2148 AUSTRALIA

CHINA:
 No. 29, Industrial Premises, No. 376.
 De Bao Road, Waigaoqiao Ftz, Pudong,
 SHANGHAI, 200131, P.R.C.

CASE Construction Equipment

CNH UK Ltd
 Unit 4,
 Hayfield Lane Business Park,
 Field Lane, Auckland,
 Doncaster,
 DN9 3FL
 Tel. 00800-2273-7373
 Fax +44 1302 802829



The call is free from a land line. Check in advance with your Mobile Operator if you will be charged.



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

Conforms to directive 98/37/CE

