

323D SA

Hydraulic Excavator



Special Alpine

Cat® C6.4 Engine with ACERT™ Technology

Net Power (ISO 9249) at 1800 rpm	110 kW/150 hp
Operating Weight	23 500 to 24 500 kg
Maximum Travel Speed	5.5 km/h
Maximum Reach	10 300 mm
Maximum Digging Depth	6800 mm

323D SA Hydraulic Excavator

The D series incorporates innovations for improved performance and versatility.

Engine

The Cat® C6.4 engine with ACERT™ Technology offers better fuel efficiency and reduced wear. By combining ACERT Technology with the new Economy Mode and Power Management, customers can balance the demands of performance and fuel economy to suit their requirements and application.

Operator Station

Provides maximum space, wider visibility and easy access to switches. The monitor is a full-color graphical display that allows the operator to understand the machine information easily. Overall, the new cab provides a comfortable environment for the operator.

Work Tools

A variety of work tools, including buckets, couplers, hammers, crushers, pulverizers, multiprocessors, shears and grapples are available.

Booms, Sticks and Linkage

Caterpillar excavator booms and sticks are built for performance and long service life. Two types of booms and three sticks are available, offering a range of configurations suitable for a wide variety of applications. The bucket linkage pins have been enlarged to improve reliability and durability. All booms and sticks are stress relieved.

Hydraulics

The hydraulic system has been designed to provide reliability and outstanding controllability with increased digging forces, lifting capacity and drawbar pull. The Tool Control System provides enhanced flexibility. The Heavy Lift Mode maximizes lifting performance and maintains excellent stability.

Electronic Control System

The compact, full-color, graphical display monitor displays machine, maintenance, diagnostic and prognostic information in twenty different languages. The new Economy Mode is also selected from the monitor. To minimize sun glare, the monitor angle is adjustable.

SmartBoom™

More productive. Faster cycle times for truck loading and rock scraping. Maintains optimum hammering frequency for effective, steady productivity.

Structures

Caterpillar design and manufacturing techniques assure outstanding durability and service life from these important components. The 323D SA comes standard with grease lubricated tracks. Cat designed excavator undercarriage is stable, durable and low maintenance for good machine stability and transportability.

Service and Maintenance

Fast, easy service has been designed in with extended service intervals, advanced filtration, convenient filter access and user-friendly electronic diagnostics for increased productivity and reduced maintenance costs.

Complete Customer Support

Your Cat dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment. The dealer will help you choose a plan that can cover everything from machine and attachment selection to replacement.



Durability

The 323D SA is a specific configuration of the 323D hydraulic excavator. It has a stronger, heavier undercarriage than the 323D, specifically designed for work in severe duty underfoot conditions. The 323D SA has a narrow gauge (shipping width 2500 mm) for easy transport, and is intended for work requiring an extra rugged undercarriage (such as mountainous areas).



Undercarriage. The 323D SA undercarriage consists of two 325D track roller frames. It provides the best choice when an extra rugged undercarriage is important while maintaining ease of transport.

Structures. Proven structural manufacturing techniques, assure outstanding durability and service life from these important components.

Carbody Design. X-shaped, box-section carbody provides excellent resistance to torsional bending.

Track Roller Frames. Robot-welded track roller frames are press-formed, pentagonal units to deliver exceptional strength and service life.

Main Frame. Rugged main frame is designed for maximum durability and efficient use of materials.

Robotic Welding. Precision robotic welding ensures quality, increases rigidity, reduces internal stresses and enhances durability.

Rollers and Idlers. Heavy-duty sealed and lubricated track rollers, carrier rollers and idlers provide excellent service life, to keep the machine in the field longer.

Grease-lubricated Track (GLT). It delivers longer track link and inner bushing life. GLT also reduces travel noise and potential for frozen track joints.



Work Tools Matching Guide

Without quick coupler		Stick Length	Reach boom 5680 mm			VA boom 5460 mm		
			1900 mm	2500 mm	2920 mm	1900 mm	2500 mm	2920 mm
Hammers	H120D s, H130 s							
Multiprocessors	MP15 CC, CR, S							
	MP15 PP					N	N	
	MP15 PS						N	
Crushers and Pulverizers	VHC-30							
	VHP-30							
Hydraulic Shears	S115, VWC-25							
	S320						N	
Mechanical Grapples	G112							
	G115							
Multi Grapples	G315B-D, -R	N			N			
Vibratory Plate Compactor	CVP110							
Clamshell Buckets (rehandling)	GOS-25 460, 520							
	GOS-25 580							
	GOS-25 750							
	GOS-25 900							
	GOS-25 980							
	GOS-25 1140						N	
	GOS-35 620							
	GOS-35 700							
	GOS-35 780							
	GOS-35 1050					N	N	
	GOS-35 1260			N		N	N	
	Orange Peel Grapples	5 tines	GSH15B 400					
GSH15B 500								
GSH15B 600								
GSH15B 800							N	N
GSH20B 600							N	N
GSH20B 800					N		N	N
4 tines		GSH20B 1000		N	N		N	N
		GSH15B 600						
		GSH15B 800						
		GSH20B 600						
		GSH20B 800					N	N
		GSH20B 1000			N		N	N

With quick coupler

Quick Couplers	CW-40						
	CW-40S						
Hammers	H120C s, H130 s						
Multiprocessors	MP15 CC, CR					N	N
	MP15 PP			N		N	N
	MP15 PS					N	N
	MP15 S						N
Crushers and Pulverizers	VHC-30					N	N
	VHP-30						
Hydraulic Shears	VWC-25						
	S320					N	N
Mechanical Grapples	G112					N	N
Multi Grapples	G315B-D, -R	N			N		N
Vibratory Plate Compactor	CVP110						

- 360° Working range
- Quick coupler match
- Max. Material Density 1200 kg/m³
- Over the front only
- N Not recommended
- Max. Material Density 1800 kg/m³
- Max. Material Density 3000 kg/m³

Bucket Specifications

						Reach boom 5700 mm			VA boom 5700 mm		
Without Quick Coupler	Linkage	Width	Weight*	Capacity (ISO)	Fill Factor	1900 mm	2500 mm	2920 mm	1900 mm	2500 mm	2920 mm
		mm	kg	m ³	%						
Excavation	B1	600	564	0.44	100	×			×		
	B1	750	593	0.59	100	×			×		
	B1	1000	698	0.86	100	×			×		
	B1	1200	784	1.08	100	×			×		
	B1	1250	801	1.13	100	×			×		
	B1	1300	819	1.19	100	×			×		
	B1	1400	854	1.30	100	×			×		N
	B1	1500	889	1.41	100	×			×	N	N
	CB2	600	665	0.49	100		×	×		×	×
	CB2	750	688	0.67	100		×	×		×	×
	CB2	1250	919	1.30	100		×	×		×	×
	CB2	1300	958	1.35	100		×	×		×	×
	CB2	1350	979	1.42	100		×	×		×	×
	CB2	1400	1000	1.48	100		×	×	N	×	×
	CB2	1500	1043	1.61	100		×	×	N	×	×
CB2	1600	1084	1.74	100		×	×	N	×	×	
Extreme Excavation	B1	600	589	0.44	100	×			×		
	B1	750	620	0.59	100	×			×		
	B1	1250	827	1.13	100	×			×		
	B1	1300	864	1.18	100	×			×		N
	B1	1400	901	1.30	100	×			×		N
	CB2	750	724	0.67	100		×	×		×	×
	CB2	1150	926	1.16	100		×	×		×	×
	CB2	1350	1014	1.42	100		×	×	N	×	×
	CB2	1450	1083	1.55	100		×	×	N	×	×
	CB2	1500	1104	1.61	100		×	×	N	×	×
Rock	CB2	1600	1148	1.74	100	N	×	×	N	×	×
Rock	CB2	1350	1096	1.45	90		×	×		×	×
Maximum load in kg (payload plus bucket)						3119	2844	2627	2604	2393	2207
With Quick Coupler											
Excavation	B1	600	529	0.44	100	×			×		
	B1	750	557	0.59	100	×			×		
	B1	1000	663	0.86	100	×			×		
	B1	1200	748	1.08	100	×			×		N
	B1	1250	765	1.13	100	×			×		N
	B1	1300	783	1.19	100	×			×		N
	B1	1400	818	1.30	100	×			×	N	N
	B1	1500	853	1.41	100	×		N	×	N	N
	CB2	600	615	0.49	100		×	×		×	×
	CB2	750	621	0.67	100		×	×		×	×
	CB2	1250	845	1.30	100		×	×		×	×
	CB2	1300	884	1.35	100		×	×	N	×	×
	CB2	1350	904	1.42	100		×	×	N	×	×
	CB2	1400	925	1.48	100		×	×	N	×	×
	CB2	1500	966	1.61	100		×	×	N	×	×
CB2	1600	985	1.74	100	N	×	×	N	×	×	
Extreme Excavation	B1	600	558	0.44	100	×			×		
	B1	750	584	0.59	100	×			×		
	B1	1250	792	1.13	100	×			×		N
	B1	1300	829	1.18	100	×			×	N	N
	B1	1400	866	1.30	100	×			×	N	N
	CB2	750	675	0.67	100		×	×		×	×
	CB2	1150	878	1.16	100		×	×		×	×
	CB2	1350	966	1.42	100		×	×	N	×	×
	CB2	1450	1034	1.55	100		×	×	N	×	×
	CB2	1500	1056	1.61	100	N	×	×	N	×	×
Rock	CB2	1600	1100	1.74	100	N	×	×	N	×	×
Rock	CB2	1350	1048	1.45	90		×	×		×	×
Maximum load in kg (payload plus bucket)						2879	2604	2387	2364	2153	1967

* Bucket weight including penetration plus tips



Max. Material Density
1200 kg/m³



Max. Material Density
1500 kg/m³



Max. Material Density
1800 kg/m³



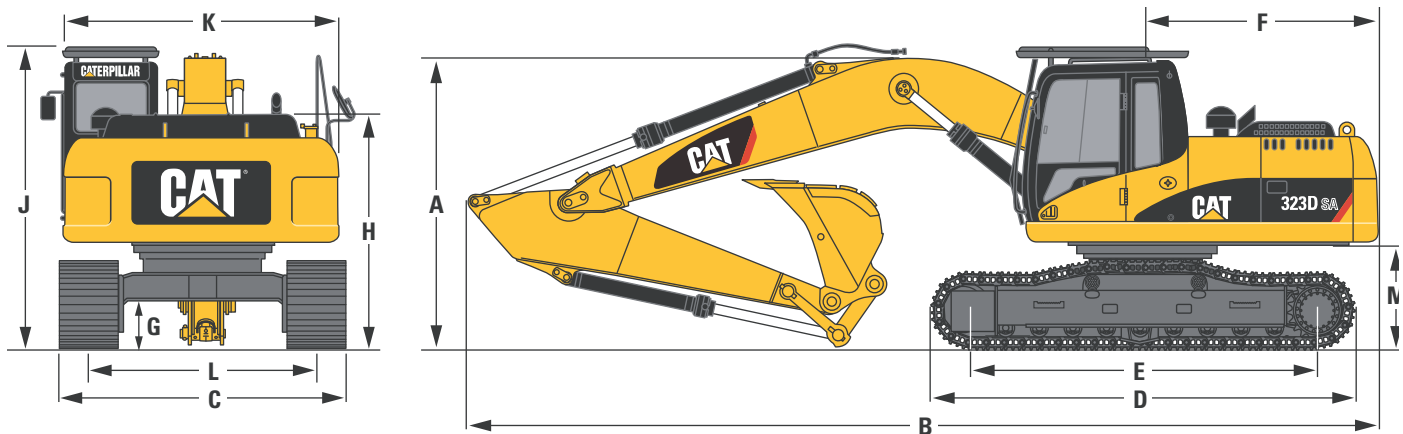
Not recommended



Not compatible

Dimensions

All dimensions are approximate.



	mm		mm		mm
A Shipping height (with bucket)		B Shipping length		C Track width	
Reach boom		Reach boom		(550 mm shoes)	2500
1900 mm stick	3100	1900 mm stick	9740	D Track length	4360
2500 mm stick	3050	2500 mm stick	9490	E Length to centers of rollers	3490
2920 mm stick	3120	2920 mm stick	9500	F Tail swing radius	2750
VA boom		VA boom		G Ground clearance	480
1900 mm stick	3120	1900 mm stick	10 040	H Body height	2390
2500 mm stick	3170	2500 mm stick	9740	J Cab height	3120
2920 mm stick	3160	2920 mm stick	9740	K Body width	2490
				L Track gauge	1900
				M Counterweight clearance	1090

Drive

Maximum Drawbar Pull 241 kN

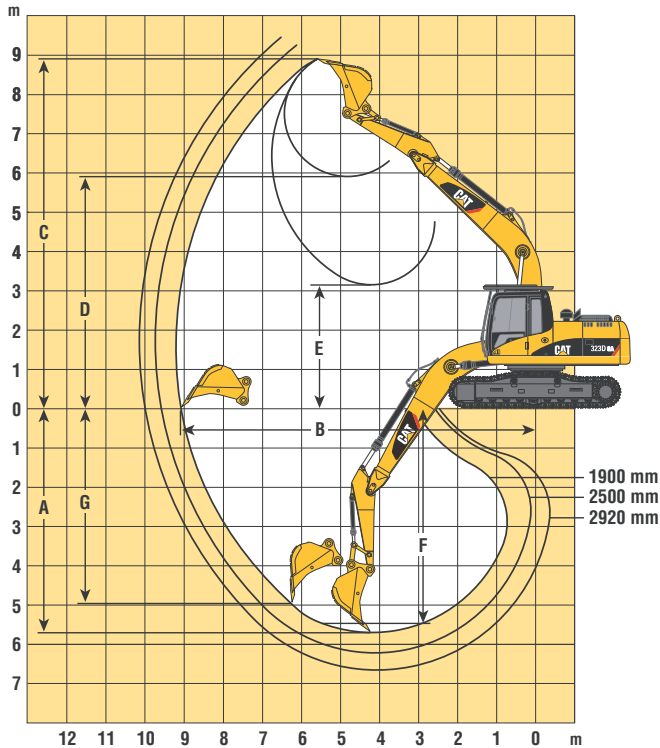
Machine and Major Component Weights

Actual weights and ground pressures will depend on final machine configuration.

		Reach boom 5680 mm			VA boom 5940 mm		
		R1.9CB2	R2.5B1	R2.9B1	R1.9CB2	R2.5B1	R2.9B1
Stick type							
Stick length	mm	1900	2500	2920	1900	2500	2920
Bucket weight	kg	870	790	760	820	760	720
Bucket capacity	m ³	1.4	1.3	1.2	1.3	1.2	1.1
Bucket width	mm	1350	1400	1300	1250	1300	1200
Operating weight*	kg	23 760	23 510	23 500	24 540	24 300	24 290
Ground pressure	bar	0.62	0.61	0.61	0.64	0.63	0.63
Stick weight (with bucket cylinder)	kg	1000	970	990	1000	970	990
Boom weight (with stick cylinder)	kg	1670			2500		
Upperstructure (without counterweight)	kg	11 400			11 400		
Undercarriage	kg	8450			8450		
Counterweight	kg	4750			4750		

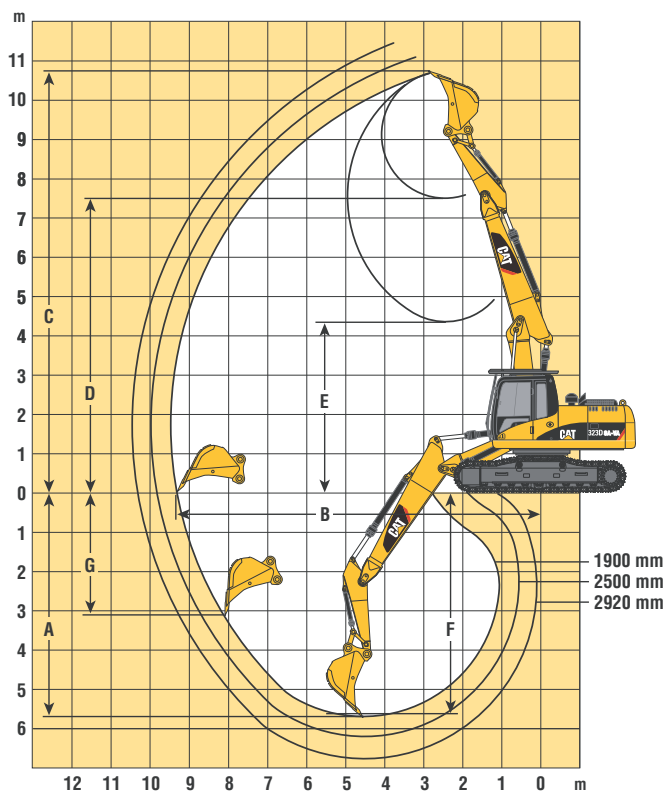
* With counterweight, quick coupler, auxiliary hydraulics, BLCV, SLCV, bucket, operator and full fuel

Working Ranges – Reach Boom (5680 mm)



Stick Type		R1.9CB	R2.5B1	R2.9B1
Stick Length	mm	1900	2500	2920
A Maximum Digging Depth	mm	5740	6270	6690
B Maximum Reach at Ground Level	mm	9100	9590	9980
C Maximum Cutting Height	mm	8960	9320	9520
D Maximum Loading Height	mm	5950	6320	6520
E Minimum Loading Height	mm	3170	2620	2200
F Maximum Digging Depth 2500 mm Level Bottom	mm	5500	6080	6650
G Maximum Vertical Wall Digging Depth	mm	4990	5760	6180
Bucket Tip Radius	mm	1610	1554	1554
Bucket Forces (ISO 6015)	kN	179	141	141
Stick Forces (ISO 6015)	kN	147	118	106

Working Ranges – Variable Angle Boom (5940 mm)



Stick Type		R1.9CB	R2.5B1	R2.9B1
Stick Length	mm	1900	2500	2920
A Maximum Digging Depth	mm	5726	6267	6806
B Maximum Reach at Ground Level	mm	9270	9792	10 334
C Maximum Cutting Height	mm	10 763	11 193	11 534
D Maximum Loading Height	mm	7517	8088	8280
E Minimum Loading Height	mm	4363	5818	5609
F Maximum Digging Depth 2500 mm Level Bottom	mm	5625	6162	6717
G Maximum Vertical Wall Digging Depth	mm	3122	3561	3907
Bucket Tip Radius	mm	1610	1554	1554
Bucket Forces (ISO 6015)	kN	179	141	141
Stick Forces (ISO 6015)	kN	147	118	106

Lift Capacities – Reach Boom (5680 mm)

















All weights are in kg, without bucket, with quick coupler, heavy lift on.

Short Stick

1900 mm

Shoes

550 mm

















	1.50 m		3.00 m		4.50 m		6.00 m		7.50 m		9.00 m					
															m	
7.50 m														*5570	5460	5.28
6.00 m							*5330	4410						*5360	3760	6.56
4.50 m					*6830	6640	*5730	4250						*5370	3040	7.32
3.00 m					*8550	6060	*6450	4010	5400	2840				5160	2700	7.71
1.50 m					*9950	5620	*7170	3790	5290	2740				4980	2580	7.8
0 m					*10450	5440	7260	3660	5230	2680				5140	2640	7.59
-1.50 m			*12090	10290	*10150	5440	7230	3630						5720	2930	7.06
-3.00 m			*12300	10510	*9010	5570	*6490	3750						*6290	3670	6.11

Medium Stick

2500 mm

Shoes

550 mm

















	1.50 m		3.00 m		4.50 m		6.00 m		7.50 m		9.00 m					
															m	
7.50 m							*4370	*4370						*3900	*3900	6.1
6.00 m							*4890	4640						*3610	3350	7.24
4.50 m							*5400	4480	*5040	3120				*3550	2820	7.93
3.00 m					*8020	6440	*6220	4250	*5380	3020				*3640	2550	8.3
1.50 m					*9680	5950	*7060	4010	5460	2900				*3890	2450	8.38
0 m			*6260	*6260	*10550	5690	7450	3840	5360	2820				*4350	2490	8.18
-1.50 m	*6920	*6920	*11160	10400	*10590	5620	7370	3780	5340	2800				5160	2710	7.69
-3.00 m	*11950	*11950	*13910	10600	*9830	5690	*7240	3820						*6000	3230	6.83
-4.50 m			*10890	*10890	*7790	5910								*6030	4580	5.44

Long Stick

2900 mm

Shoes

550 mm

	1.50 m		3.00 m		4.50 m		6.00 m		7.50 m		9.00 m					
															m	
7.50 m														*3240	*3240	6.64
6.00 m									*3810	3200				*3020	*3020	7.69
4.50 m							*5020	4550	*4730	3160				*2970	2600	8.35
3.00 m			*11650	*11650	*7440	6570	*5880	4300	*5130	3040				*3040	2370	8.69
1.50 m					*9250	6050	*6800	4050	5470	2920				*3240	2280	8.77
0 m			*6950	*6950	*10360	5730	7470	3860	5360	2810				*3590	2310	8.58
-1.50 m	*6400	*6400	*10580	10350	*10640	5610	7360	3760	5300	2770				*4210	2490	8.12
-3.00 m	*10530	*10530	*14230	10500	*10130	5640	7370	3770						*5410	2910	7.31
-4.50 m			*12120	10810	*8550	5810	*5920	3930						*5850	3900	6.04



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

* Limited by hydraulic rather than tipping load.

The above loads are in compliance with hydraulic excavator lift capacity ratings standard ISO 10567, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Lift Capacities – Variable Angle Boom (5940 mm)

















All weights are in kg, without bucket, with quick coupler, heavy lift on.

Short Stick

1900 mm

Shoes

550 mm

















	1.50 m		3.00 m		4.50 m		6.00 m		7.50 m		9.00 m				m
															
9.00 m			*6860	*6860									*7130	*7130	3.66
7.50 m					*7050	*7050							*6650	4590	5.77
6.00 m			*8870	*8870	*8290	7160	*6750	4470					*6100	3240	6.96
4.50 m			*11650	*11650	*9130	6880	*7010	4490	5430	2790			5180	2630	7.68
3.00 m			*12280	11560	*10000	6640	*7320	4370	5390	2750			4690	2330	8.06
1.50 m			*14060	11200	*10090	6290	*7310	4100	5260	2640			4540	2220	8.14
0 m			*14610	10460	*10110	5820	*7340	3820	5120	2510			*4550	2270	7.94
-1.50 m	*14550	*14550	*15770	10270	*10350	5610	7280	3570					*3900	2520	7.43
-3.00 m	*14370	*14370	*15430	10430	*9570	5500	*5070	3510							

Medium Stick

2500 mm

Shoes

550 mm

















	1.50 m		3.00 m		4.50 m		6.00 m		7.50 m		9.00 m				m
															
9.00 m					*5850	*5850							*4730	*4730	4.84
7.50 m					*6360	*6370	*5800	4650					*3930	3850	6.57
6.00 m					*7060	*7060	*6560	4800	*4440	3050			*3630	2910	7.64
4.50 m			*12820	*12820	*8810	7120	*6910	4740	*5650	3090			*3540	2450	8.3
3.00 m			*13700	12110	*9890	*6890	*7340	4560	5570	3040			*3600	2220	8.65
1.50 m			*14150	11800	*10360	6570	7500	4350	5510	2890			*3790	2120	8.72
0 m	*9750	*9750	*15150	10990	*10300	6140	7460	4080	5350	2750			*4160	2160	8.54
-1.50 m	*12470	*12470	*16290	10580	*10410	5830	7550	3820	5240	2630			*3910	2350	8.06
-3.00 m	*13750	*13750	*16230	10550	*10540	5760	*6920	3680							
-4.50 m	*18830	*18830	*11680	10620	*6990	5690									

Long Stick

2900 mm

Shoes

550 mm

	1.50 m		3.00 m		4.50 m		6.00 m		7.50 m		9.00 m				m
															
9.00 m					*5680	*5680							*3830	*3830	5.53
7.50 m					*5590	*5590	*5400	4790					*3270	*3270	7.1
6.00 m					*5780	*5780	*5940	4840	*4930	3180			*3040	2650	8.09
4.50 m			*7860	*7860	*7700	7200	*6680	4740	*5620	3200			*2970	2260	8.72
3.00 m			*14020	12240	*9580	*6910	*7180	4650	*5580	3130	*3350	2080	*3010	2050	9.05
1.50 m	*6770	*6770	*13990	11790	*10310	6640	*7510	4430	5510	2990	4030	2030	*3160	1970	9.12
0 m	*9410	*9410	*15270	11230	*10280	6250	*7420	4130	5410	2800			*3450	2000	8.94
-1.50 m	*12720	*12720	*16110	10660	*10340	5870	*7510	3910	5270	2660			*3810	2150	8.5
-3.00 m	*13910	*13910	*16410	10510	*10580	5730	*7360	3680	*4070	2610			*3110	2510	7.73
-4.50 m	*17510	*17510	*14510	10680	*8630	5650									



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

* Limited by hydraulic rather than tipping load.

The above loads are in compliance with hydraulic excavator lift capacity ratings standard ISO 10567, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for specifics.

Electrical

- Alternator – 80 A
- Heavy duty maintenance free batteries (2)
- Lights working
 - Boom, both side
 - Cab interior
 - Cab mounted, two
 - Frame mounted
- Signal/warning horn

Engine

- Automatic engine speed control C6.4 with ACERT Technology
- Fuel filter
- 43°C cooling capability
- Secondary engine shut-off switch
- Side-by-side cooling system with separately mounted AC condenser
- Water separator, with level indicator, for fuel line

Guards

- 6 mm swivel guard on undercarriage
- Heavy duty bottom guards on upper frame
- Heavy duty travel motor guards on undercarriage

Operator Station

- Adjustable armrest
- Air conditioner, heater and defroster with automatic climate control
- Ashtray and 24 volt lighter
- Beverage/cup holder
- Bolt-on FOGS capability
- Capability to install 2 additional pedals
- Coat hook
- Electrical provision for seat heater
- EU sound criteria package
- Floor mat, washable
- Instrument panel and gauges with full color graphical display, start-up level checks
- Laminated front windshield
- Literature compartment
- Mirrors – left and right
- Neutral lever (lock out) for all controls
- Positive filtered ventilation, pressurized cab
- Rear window, emergency exit
- Retractable seat belt
- Sliding upper door window
- Stationary skylight (polycarbonate)
- Storage compartment suitable for a lunch box
- Sunshade for windshield and skylight
- Travel control pedals with removable hand levers
- Windshield wiper and washer (upper and lower)

Undercarriage

- Automatic swing parking brake
- Automatic travel parking brakes
- Grease lubricated tracks
- Hydraulic track adjusters
- Idler and center section track guards
- Steps – four
- Triple grouser shoes 550 mm
- Two speed travel

Other Standard Equipment

- Auxiliary hydraulic valve for hydro-mechanical tools
- Cat XT hoses and reusable couplings
- Cat Data Link and capability to use ET
- Caterpillar one key security system with locks for doors, cab and fuel cap
- Cross-roller type swing bearing
- Counterweight with lifting eyes
- Drive for auxiliary pump
- Heavy lift mode
- Regeneration circuit for boom and stick
- S•O•SSM quick sampling valves for engine oil, hydraulic oil and coolant
- Steel firewall between engine and hydraulic pump compartment
- Cat Product Link 321

Optional Equipment

Optional equipment may vary. Consult your Caterpillar dealer for specifics.

Front Linkage

Bucket linkages

B1-family for B1 sticks
with lifting eye

CB2-family for CB2 sticks
with lifting eye

Buckets and quick coupler

Booms (with two working lights)

Reach

– 5680 mm

VA

– 5940 mm

Sticks

For reach boom

– R1.9CB2

– R2.5B1

– R2.9B1

For VA boom

– R1.9CB2

– R2.5B1

– R2.9B1

Ground Engaging Tools

Guards

FOGS, bolt-on

Full length track guiding

Sprocket end track guiding

Operator Compartment

Joysticks

Four button joystick or single action
auxiliary control

Thumb wheel modulation joystick

Lunch box storage with lid

Cat Machine Security System MSS with
programmable keys

Radio

AM/FM radio mounted in right hand
console with antenna and speakers

Radio ready mounting at rear location
including 24V to 12V converter

Seat

Adjustable high-back seat with
mechanical suspension

Adjustable high-back seat with
air suspension

Adjustable high-back heated seat with
air suspension

Straight travel pedal

Visor rain protection

Windshield

1-piece standard duty

50-50 split, sliding

70-30 split, sliding

Auxiliary Controls and Lines

Auxiliary boom lines (high pressure
for reach boom)

Auxiliary stick lines (high pressure
for reach boom)

Basic control arrangements:

- Single action (one way high pressure circuit for hammer application)
- Tool Control
 - Combined function (one way high pressure circuit for hammer application, function for 1-way or 2-way high pressure)
 - Medium pressure circuit
 - Tool selection (via monitor 10 tools)

Universal control group for
quick coupler

Miscellaneous Options

Bio hydraulic oil package

Boom lowering control device with
SmartBoom

Cab front rain protector

Converters, 7 A/12 V

- One
- Two

Electric refueling pump with auto
shut-off

Fine filtration filter

Jump start terminals

Ether starting aid

Stick lowering control device

Travel alarm with cut off switch

323D SA Hydraulic Excavator

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Caterpillar dealer for available options.

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