

V O L V O



Volvo Excavators 20.5-24.0 t 156 hp

EC210

Volvo Construction Equipment

EC210

A great partner for those important supporting jobs.
Light enough to move and maneuver easily.
Strong enough to get the job done.



Light support

Volvo EC210 is a lighter machine that will be your perfect partner in agricultural applications and supporting work. But it is also popular to use for building, road work or utilities. With improved fuel efficiency and longer service intervals, EC210 will lower the Total Cost of Ownership while still being able to punch above its weight in performance.



Operator comfort

- More precise controls
- Quieter cab
- Personalized settings for greater comfort
- ROPS cab as standard



Smart View with Obstacle Detection

- Increased safety onsite and for the operator
- Radar warns for items outside the screen
- HD screen
- Human identifying alarm separate from other obstacles



Serviceability

- Ground level access for service
- Long service intervals
- Grouped filters and lubrication points
- Quick and easy oil changes



Fuel Efficiency

- Up to 10% improvement
- Engine pump optimization with engine speeds as low as 1600 rpm
- Smart MCV



Productivity

- Volvo Active Control
- Dig Assist with On-Board Weighing
- Electro-hydraulic system
- Boom/Swing & Boom/Travel priority functions



Co-Pilot

The new Volvo Co-Pilot features a new 12.8" display with full HD resolution. Associated with the new HD side and rear camera, it gives better visibility on your operations. Both hardware and software improvements provide increased control on the Dig Assist applications.

Smooth Control

You will find the new joystick controls offer smoother, easier operation. Because the controls are more precise, it is easier for you to achieve what you are trying to do, leading to better machine performance.

Volvo Smart View

Volvo Smart View with Obstacle Detection provides operators with a 360° view of the machines surroundings thanks to the camera and the new radar detection system. This high technology can identify obstacles as either an object or a human being, allowing the operator to take appropriate action.

Stay connected

In the comfort of the new cab, you can charge your mobile phone wirelessly or plugged in. You also have the option to use USB connections to access your music playlists or podcasts. The Bluetooth speaker enables you to have clear communication when making a phone call.

Comfort

The new style cab's ambition is to being more comfortable and make your work easier. A handy storage space allows you to store your coolbox or shoes while you work. You will enjoy reduced noise levels, built-in sunscreen and improved HVAC. Moreover, the new comfortable seat offer will allow to reduce the operator fatigue when working all day.

Fuel efficiency

In the new Volvo excavators our improved electro-hydraulic system reduces your fuel consumption dramatically. It is done by regulating engine speed and hydraulic flow rate based on the task at hand. This ensures that only the necessary amount of energy is used, leading to improved fuel efficiency and lower operating costs.

Outstanding cooling performance

The EC210 is equipped with smart electric fans cooling system. It automatically adjusts independently the fans speed according to engine coolant temperature, hydraulic temperature and hydraulic workload. This minimizes unnecessary energy consumption and improve overall fuel efficiency. By reducing engine load and preventing overheating, the system ensures optimum excavator performance, extends component life and lowers operating costs.

New electro-hydraulic system

At the heart of the fuel efficiency improvements is the new electro-hydraulic system with enhanced main control valve (MCV). This intelligent technology uses electronic sensors to monitor the operator's movements and send signals to the machine's on-board computer (ECU) which processes the information and sends commands to the main control valve. The result is smooth and precise movement of the excavator's boom, bucket, and other hydraulic functions allowing for more accurate digging and loading.

Dig Assist

A must-have on the modern construction site, Dig Assist provides unrivalled machine guidance and control technology, enabling operators to work with the highest levels of precision and accuracy. The addition of On-Board Weighing provides real-time insights into the bucket's load, helping to eliminate overloading, underloading, reweighing and waiting times.

Productivity

Advanced electric control joystick and full electric travel pedals provide lightning-fast response times. Boom/Swing priority functions help operators work with speed and ease by prioritizing one function over another, improving cycle times.



Serviceability

Minimizing downtime is key to protect your total cost of ownership. Easy access, clean and quick oil changes, as well as 1 000-hour intervals for engine oil, oil and fuel filter further increase your machine availability. Swing out condenser also makes cleaning of the radiator and oil cooler more convenient.



Volvo EC210 in detail

Engine

The latest generation, Volvo engine Stage V emissions compliant diesel engine fully meets the demands of the latest, emissions regulations. Featuring Volvo Advanced Combustion Technology (V-ACT), it is designed to deliver superior performance and fuel efficiency. The engine uses precise, high pressure fuel injectors, turbo charger and air-to-air intercooler, and electronic engine controls to optimize machine performance.

- **Air Filter:** 3-stage with precleaner

- **Automatic Idling System:** Reduces engine speed to idle when the levers and pedals are not activated resulting in less fuel consumption and low cab noise levels.

Engine	Volvo	D4J
Max power at	r/min	2 000
Net, ISO 9249/SAE J1349	kW	114
	hp	155
Gross, ISO 14396/SAE J1995	kW	115
	hp	156
Power output at		
Operating max	r/min	1 800
Travel max	r/min	2 000
Max torque	Nm	618
at engine speed	r/min	1 700
No. of cylinders		4
Displacement	l	4
Bore	mm	101
Stroke	mm	126

Electrical System

High-capacity electrical system that is well protected. Waterproof double-lock harness plugs are used to secure corrosion-free connections. The main relays and solenoid valves are shielded to prevent damage. The master switch is standard. Contronics provides advanced monitoring of machine functions and important diagnostic information.

Voltage	V	24
Batteries	V	2 x 12
Battery capacity	Ah	100
Alternator	V/A	28 / 130
Start motor	V - kW	24 / 5.5

Undercarriage and structures

The undercarriage has a robust X-shaped frame. Greased and sealed track chains are standard.

		EC210F L
Track shoe		2 x 49
Link pitch	mm	190
Shoe width, triple grouser	mm	500/600/700 /800/900
Bottom rollers		2 x 8
Top rollers		2 x 2
		EC210F NL
Track shoe		2 x 49
Link pitch	mm	190
Shoe width, triple grouser	mm	500/600/700
Bottom rollers		2 x 8
Top rollers		2 x 2

Swing system

The swing system uses an axial piston motors, driving a planetary gearbox for maximum torque. An automatic holding brake and antirebound valve are standard.

Max. slew speed	r/min	12
Max. slew torque	kNm	76.6

Travel System

Each track is powered by an automatic two-speed shift travel motor. The track brakes are multi-disc, spring-applied and hydraulic released. The travel motor, brake and planetary gears are well protected within the track frame.

Max. drawbar pull	kN	178
Max. travel speed (low)	km/h	3.4
Max. travel speed (high)	km/h	5.4
Gradeability	°	35



Cab

The operator's cab has easy access via a wide door opening. The cab is supported on hydraulic dampening mounts to reduce shock and vibration levels. These along with sound absorbing lining provide low noise levels. The cab has excellent all-round visibility. The front windshield can easily slide up into the ceiling, and the lower front glass can be removed and stored in the side door.

Integrated air-conditioning and heating system: The pressurized and filtered cab air is supplied by an automatically controlled fan. The air is distributed throughout the cab from 14 vents.

Ergonomic operator's seat: The adjustable seat and joystick console move independently to accommodate the operator. The seat has 12 different adjustments plus a seat belt for the operator's comfort and safety.

Sound Level

Sound level in cab according to ISO 6396

L_{pA} dB 70

External sound level according to ISO 6395, EU Noise Directive (2000/14/EC)

L_{WA} dB 102

Service Refill

Fuel tank	l	295
DEF/AdBlue® tank	l	17.9
Hydraulic system, total	l	215
Hydraulic tank	l	98
Engine oil	l	16
Engine coolant	l	14
Slew reduction unit	l	5.4
Travel reduction unit	l	2 x 3.5

Hydraulic system

The new electro-hydraulic system and new MCV (main control valve) use intelligent technology to control on-demand flow for high productivity, high digging capacity and excellent fuel consumption.

The following important functions are included in the system:

Summation system: Combines the flow of both hydraulic pumps to ensure quick cycle times and high productivity

Boom priority: Gives priority to the boom operation for faster raising when loading or performing deep excavations.

Arm priority: Gives priority to the arm operation for faster cycle times in leveling and for increased bucket filling when digging.

Swing priority: Gives priority to swing functions for faster simultaneous operations.

Regeneration system: Prevents cavitation and provides flow to other movements during simultaneous operations for maximum productivity.

Power boost: All digging and lifting forces are increased.

Holding valves: Boom and arm holding valves prevent the digging equipment from creeping.

Main pump: 2 x Variable displacement axial piston pumps

Maximum flow l/min 2 x 200

Pilot pump: Gear pump

Maximum flow l/min 1 x 18

Max. pressure

Implement MPa 34.3 / 36.3

Travel circuit MPa 34.3

Slew circuit MPa 27.9

Pilot circuit MPa 3.9

Hydraulic Cylinders

Boom 2

Bore x Stroke ø x mm 125 x 1 235

2 piece boom 1

Bore x Stroke ø x mm 160 x 1 070

Arm 1

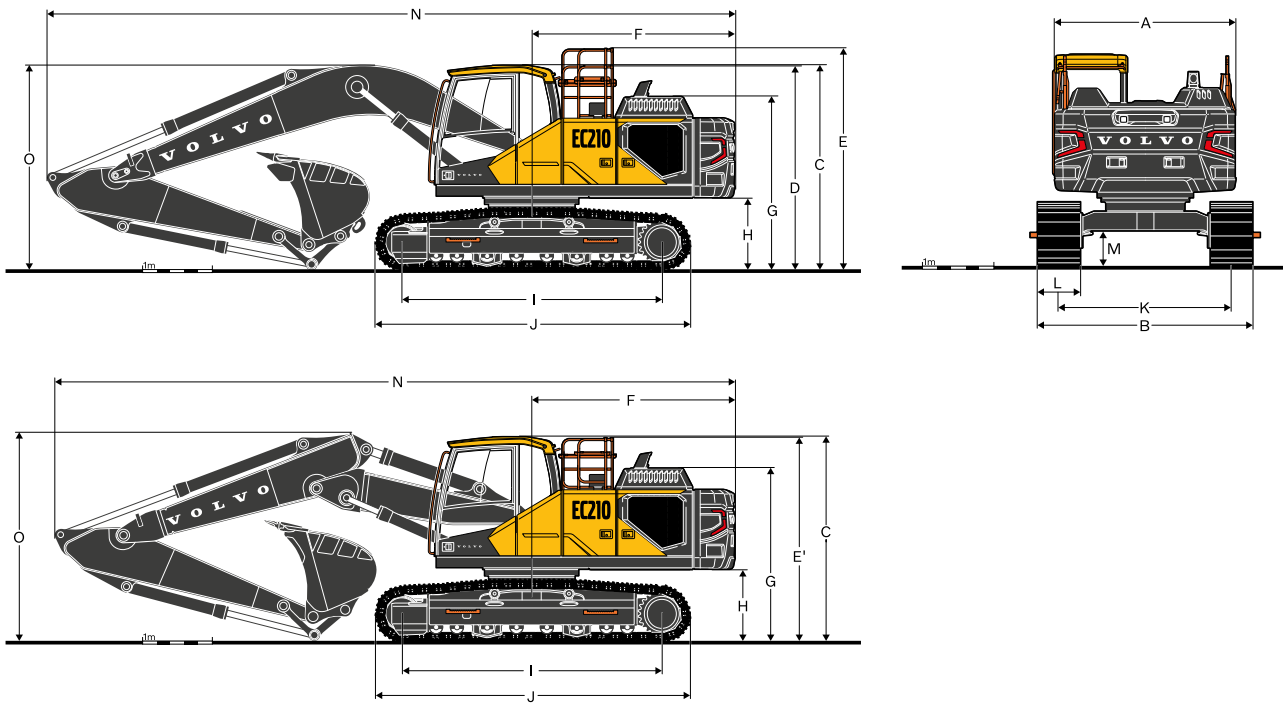
Bore x Stroke ø x mm 135 x 1 540

Bucket 1

Bore x Stroke ø x mm 120 x 1 065



Specifications

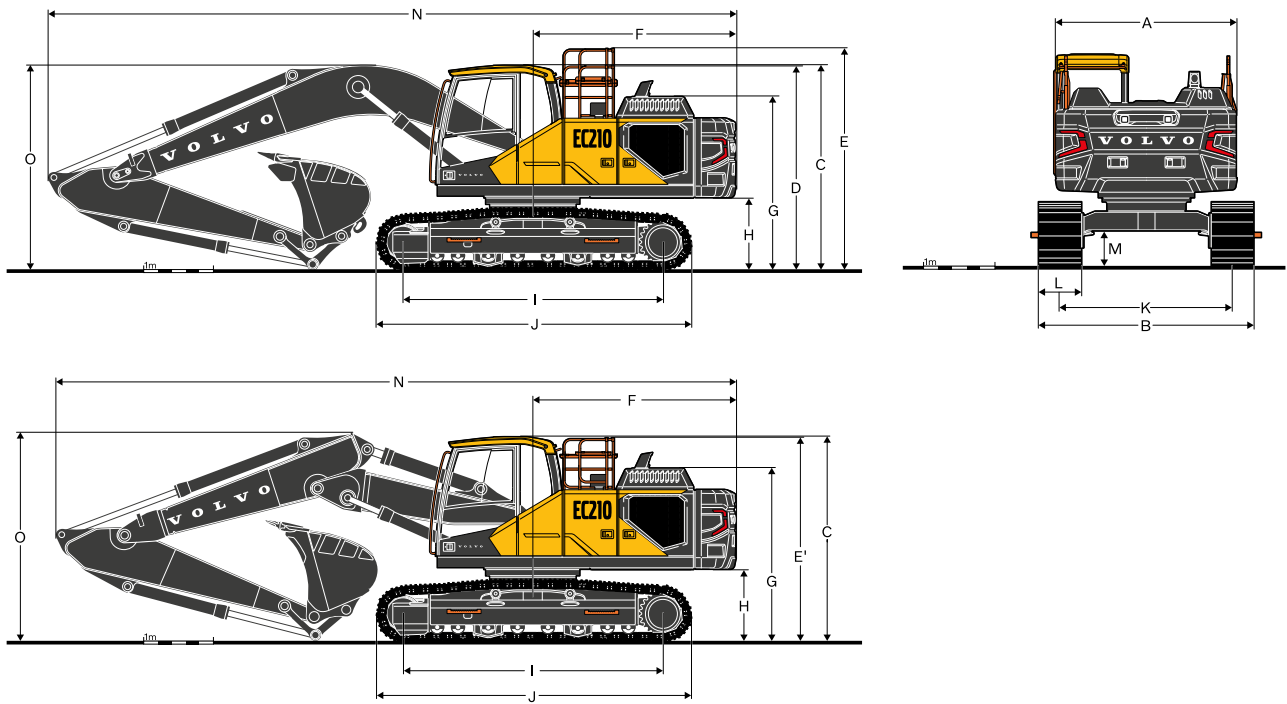


DIMENSIONS

Boom	Unit	EC210F L			
		5.7 m		5.57 m	
Arm	m	2.5 m	2.9 m	2.5 m	2.9 m
A. Overall width of upper structure	mm	2 500	2 500	2 500	2 500
B. Overall width**	mm	2 990	2 990	2 990	2 990
C. Overall height of cab	mm	2 900	2 900	2 900	2 900
D. Overall height of handrail	mm	2 875	2 875	2 875	2 875
E. Overall height of guardrail	mm	3 120	3 120	3 120	3 120
F. Tail swing radius	mm	2 870	2 870	2 870	2 870
G. Overall height of engine hood	mm	2 450	2 450	2 450	2 450
H. Counterweight clearance *	mm	1 005	1 005	1 005	1 005
I. Tumbler length	mm	3 660	3 660	3 660	3 660
J. Track length	mm	4 455	4 455	4 455	4 455
K. Track gauge	mm	2 390	2 390	2 390	2 390
L. Shoe width	mm	600	600	600	600
M. Min. ground clearance *	mm	455	455	455	455
N. Overall length of boom	mm	9 770	9 715	9 630	9 595
O. Overall height of boom	mm	3 175	3 035	3 050	2 955

* Without shoe grouser

** Shoe end to end



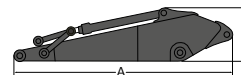
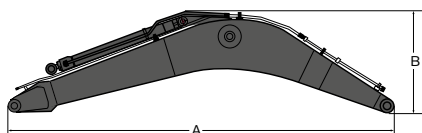
DIMENSIONS

	Unit	EC210F NL			
		5.7 m		5.57 m	
Boom	m				
Arm	m	2.5 m	2.9 m	2.5 m	2.9 m
A. Overall width of upper structure	mm	2 500	2 500	2 500	2 500
B. Overall width**	mm	2 540	2 540	2 540	2 540
C. Overall height of cab	mm	2 900	2 900	2 900	2 900
D. Overall height of handrail	mm	2 875	2 875	2 875	2 875
E. Overall height of guardrail	mm	3 120	3 120	3 120	3 120
F. Tail swing radius	mm	2 870	2 870	2 870	2 870
G. Overall height of engine hood	mm	2 450	2 450	2 450	2 450
H. Counterweight clearance *	mm	1 005	1 005	1 005	1 005
I. Tumbler length	mm	3 660	3 660	3 660	3 660
J. Track length	mm	4 455	4 455	4 455	4 455
K. Track gauge	mm	2 040	2 040	2 040	2 040
L. Shoe width	mm	500	500	500	500
M. Min. ground clearance *	mm	455	455	455	455
N. Overall length of boom	mm	9 770	9 715	9 630	9 595
O. Overall height of boom	mm	3 175	3 035	3 050	2 955

* Without shoe grouser

** Shoe end to end

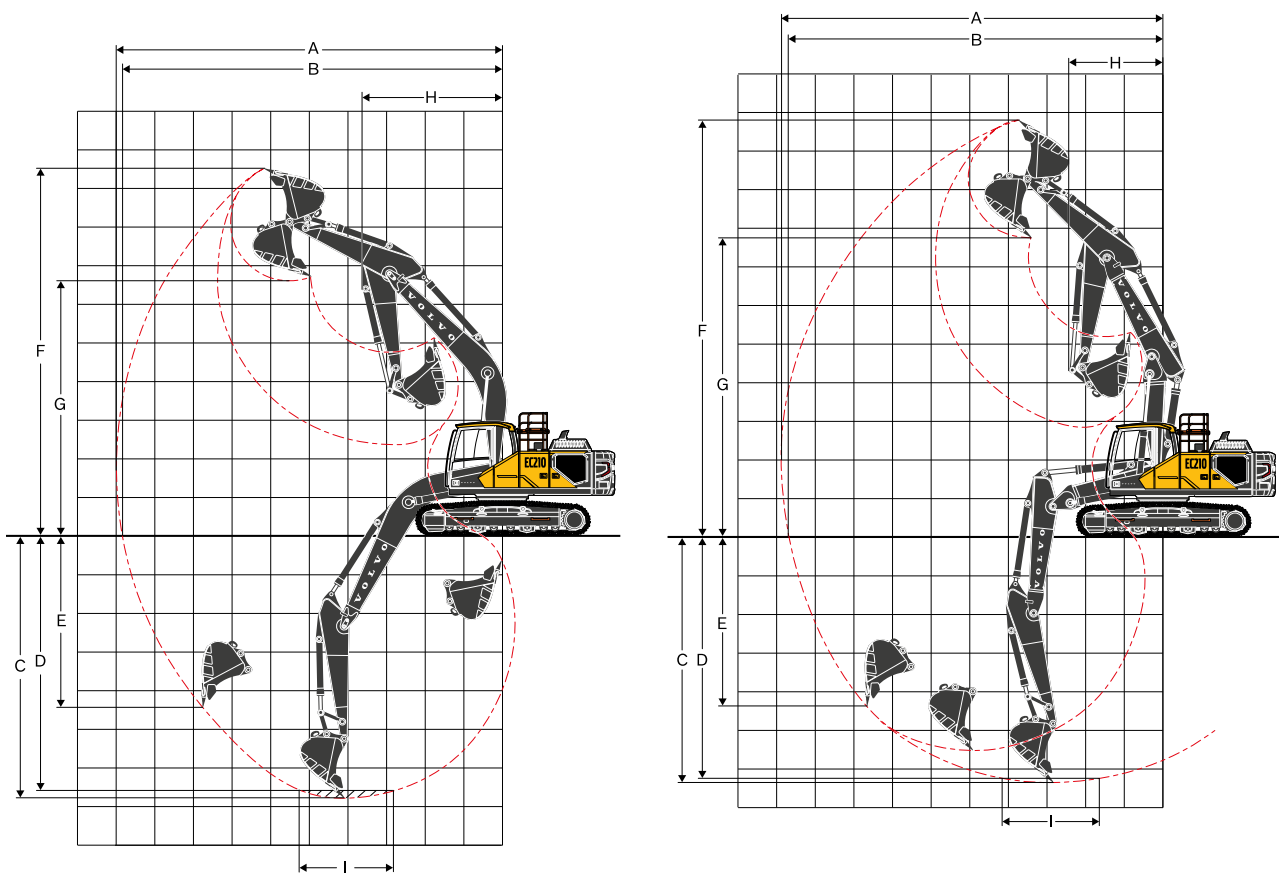
Specifications



DIMENSIONS

Description	Unit	Boom		Description	Unit	Arm	
	m	5.7 m	5.57 m 2-piece		m	2.5 m	2.9 m
A. Length	mm	5 915	5 785	A. Length	mm	3 530	3 895
B. Height	mm	1 600	1 420	B. Height	mm	865	865
Width	mm	670	670	Width	mm	440	440
Weight	kg	2 010	2 640	Weight	kg	1 135	1 140

* Includes arm cylinder, piping and pin



WORKING RANGES WITH DIRECT FIT BUCKET

Description	Unit	EC210F L, NL			
		5.7 m		5.57 m 2-piece	
Boom	m				
Arm	m	2.5 m	2.9 m	2.5 m	2.9 m
A. Max. digging reach	mm	9 605	9 995	9 505	9 900
B. Max. digging reach on ground	mm	9 445	9 835	9 345	9 740
C. Max. digging depth	mm	6 425	6 825	5 995	6 400
D. Max. digging depth (I=2.44 m level)	mm	6 205	6 635	5 885	6 295
E. Max. vertical wall digging depth	mm	5 070	5 535	4 735	5 150
F. Max. cutting height	mm	9 205	9 445	10 395	10 715
G. Max. dumping height	mm	6 330	6 555	7 365	7 680
H. Min. front swing radius	mm	3 670	3 645	2 735	2 465

DIGGING FORCES WITH DIRECT FIT BUCKET

Breakout force (bucket)	Normal	SAE J1179	kN	125	125	125	125
	Power boost	SAE J1179	kN	132	132	132	132
	Normal	ISO 6015	kN	141	141	141	141
	Power boost	ISO 6015	kN	149	149	149	149
Tearout force (arm)	Normal	SAE J1179	kN	117	101	117	101
	Power boost	SAE J1179	kN	124	107	124	107
	Normal	ISO 6015	kN	121	104	121	104
	Power boost	ISO 6015	kN	128	110	128	110
Rotation angle, bucket			°	179	179	179	179

*Machine with pin-on bucket

Specifications

GROUND PRESSURE

EC210F L

Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	500	21 880	55.5	2 890	21 890	55.5	2 890
	600	22 140	46.8	2 990	22 150	46.8	2 990
	700	22 560	40.9	3 090	22 570	40.9	3 090
	800	22 840	36.2	3 190	22 840	36.2	3 190
	900	23 120	32.6	3 290	23 120	32.6	3 290
Triple grouser (HD)	600	22 270	47.1	2 990	22 280	47.1	2 990
Single grouser	600	22 350	47.2	2 990	22 360	47.2	2 990
Double grouser	700	22 860	41.4	3 090	22 870	41.4	3 090

		EC210F L, 5.7 m boom, 2.5 m arm, 853 kg bucket, 4 500 kg counterweight			EC210F L, 5.7 m boom, 2.9 m arm, 853 kg bucket, 4 500 kg counterweight		
Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	500	22 510	57.1	2 890	22 520	57.1	2 890
	600	22 770	48.1	2 990	22 780	48.1	2 990
	700	23 190	42.0	3 090	23 200	42.0	3 090
	800	23 470	37.2	3 190	23 480	37.2	3 190
	900	23 750	33.5	3 290	23 760	33.5	3 290
Triple grouser (HD)	600	22 900	48.4	2 990	22 910	48.4	2 990
Single grouser	600	22 980	48.6	2 990	22 990	48.6	2 990
Double grouser	700	23 490	42.6	3 090	23 500	42.6	3 090

		EC210F L, 5.57 m 2-piece boom, 2.5 m arm, 853 kg bucket, 4 500 kg counterweight			EC210F L, 5.57 m 2-piece boom, 2.9 m arm, 853 kg bucket, 4 500 kg counterweight		
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EC210F NL

Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	500	21 850	55.4	2 540	21 860	55.4	2 540
	600	22 110	46.7	2 640	22 110	46.7	2 640
	700	22 530	40.8	2 740	22 530	40.8	2 740
Triple grouser (HD)	600	22 240	47.0	2 640	22 240	47.0	2 640
Double grouser	700	22 830	41.4	2 740	22 830	41.4	2 740

		EC210F NL, 5.7 m boom, 2.5 m arm, 853 kg bucket, 4 500 kg counterweight			EC210F NL, 5.7 m boom, 2.9 m arm, 853 kg bucket, 4 500 kg counterweight		
Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	500	22 480	57.0	2 540	22 485	57.0	2 540
	600	22 740	48.1	2 640	22 745	48.1	2 640
	700	23 160	42.0	2 740	23 165	42.0	2 740
Triple grouser (HD)	600	22 875	48.3	2 640	22 880	48.4	2 640
Double grouser	700	23 465	42.5	2 740	23 470	42.5	2 740

		EC210F NL, 5.57 m 2-piece boom, 2.5 m arm, 853 kg bucket, 4 500 kg counterweight			EC210F NL, 5.57 m 2-piece boom, 2.9 m arm, 853 kg bucket, 4 500 kg counterweight		
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BUCKET SELECTION GUIDE

Bucket Type				Capacity	Cutting width	Weight	Teeth	Recommended maximum material density (kg/m ³)							
								EC210F L with 600 mm shoe, 4 500 kg counterweight				EC210F NL with 600 mm shoe, 4 500 kg counterweight			
								5.7 m GP Boom		5.57 m VA Boom		5.7 m GP Boom		5.57 m VA Boom	
								G2.5 m Arm	G2.9 m Arm	G2.5 m Arm	G2.9 m Arm	G2.5 m Arm	G2.9 m Arm	G2.9 m Arm	G3.5 m Arm
L	mm	kg	EA												
DF Buckets	Without Quick Coupler	V4	GP	480	600	666	3	C	C	C	C	C	C	C	C
				590	750	712	3	C	C	C	C	C	C	C	C
				750	900	792	4	C	C	C	C	C	C	C	C
				920	1050	862	4	C	C	C	C	C	C	C	C
				1090	1200	951	5	C	C	C	C	C	C	C	C
				1270	1350	1036	5	C	C	C	C	C	B	B	B
			HD	480	600	738	3	D	D	D	D	D	D	D	D
				480	600	675	3	D	D	D	D	D	D	D	D
				750	900	872	4	D	D	D	D	D	D	D	D
				750	900	809	4	D	D	D	D	D	D	D	D
				920	1050	952	4	D	D	D	D	D	D	D	D
				920	1050	889	4	D	D	D	D	D	D	D	D
				1090	1200	1047	5	D	D	D	D	C	C	C	C
				1090	1200	984	5	D	D	D	D	D	C	C	C
	TD	700	2000	984	N	C	C	C	C	C	C	C	C		
	U22 coupler	V4	GP	480	600	666	3	C	C	C	C	C	C	C	
				590	750	712	3	C	C	C	C	C	C	C	
				750	900	792	4	C	C	C	C	C	C	C	
				920	1050	862	4	C	C	C	C	C	C	C	
				1090	1200	951	5	C	C	C	C	C	B	B	B
				1270	1350	1036	5	C	B	B	B	B	A	A	X
			HD	480	600	738	3	D	D	D	D	D	D	D	D
				480	600	675	3	D	D	D	D	D	D	D	D
				750	900	872	4	D	D	D	D	D	D	D	D
				750	900	809	4	D	D	D	D	D	D	D	D
				920	1050	952	4	D	D	D	D	D	C	C	C
				920	1050	889	4	D	D	D	D	D	C	D	C
				1090	1200	1047	5	C	C	C	C	B	B	B	B
1090				1200	984	5	D	C	C	C	C	B	B	B	
Quick Coupler Buckets	S70 quick coupler	V4	GP	630	800	720	4	C	C	C	C	C	C	C	
				750	900	766	4	C	C	C	C	C	C	C	
				920	1050	836	4	C	C	C	C	C	C	C	
				1090	1200	925	5	C	C	C	C	C	C	C	
				1270	1350	1012	5	C	B	C	B	B	B	B	A
		TD	700	2000	1009	N	C	C	C	C	C	C	C		
		V6	GPX	1100	1170	969	4	C	C	C	C	C	B	C	B
				1200	1250	1013	4	C	C	C	B	B	B	B	B
				1300	1330	1072	4	C	B	B	B	B	A	B	X
		HDX	1100	1170	1090	4	D	C	C	C	C	B	B	B	
	1200		1250	1136	4	C	B	C	B	B	A	B	A		
	1300		1330	1183	4	B	B	B	B	B	X	A	X		
	CAX	650	800	686	N	C	C	C	C	C	C	C	C		
		360	570	534	N	C	C	C	C	C	C	C	C		
		1330	2000	935	N	C	B	C	B	B	B	B	A		
	TGX	1150	1800	840	N	C	C	C	C	C	C	C	B		

Please consult with your Volvo dealer for the proper match of buckets and attachments to suit the application.
 The recommendations are given as a guide only, based on typical operation conditions.
 Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Maximum material density
 D: 2 100 kg/m³
 C: 1 800 kg/m³
 B: 1 500 kg/m³
 A: 1 200 kg/m³
 X : Not recommended

Specifications

LIFTING CAPACITY EC210F L

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Max. reach		Max. m		
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC			
Boom : 5.7 m Arm : 2.5 m Shoe : 500 mm CWT : 4 500 kg	7.5 m	kg												*5 680	*5 680	5.6	
	6.0 m	kg							*5 500	*5 500					*5 600	4 280	6.8
	4.5 m	kg					*6 970	*6 970	*6 010	5 180	*5 680	3 640	5 440	3 560			7.6
	3.0 m	kg					*8 970	7 490	*6 880	4 940	5 450	3 560	4 940	3 230			8.0
	1.5 m	kg					*10 730	7 020	7 440	4 710	5 330	3 450	4 780	3 100			8.1
	0 m	kg					*11 530	6 800	7 270	4 560	5 250	3 370	4 900	3 160			7.9
	-1.5 m	kg			*10 800	*10 800	*11 460	6 780	7 220	4 520					5 380	3 450	7.4
	-3.0 m	kg			*14 740	13 440	*10 550	6 880	7 300	4 580					6 550	4 170	6.5
	-4.5 m	kg			*11 410	*11 410	*8 150	7 150							*7 140	6 200	5.0
Boom : 5.7 m Arm : 2.9 m Shoe : 500 mm CWT : 4 500 kg	7.5 m	kg							*5 210	*5 210				*4 970	*4 970	6.2	
	6.0 m	kg							*5 100	*5 100					*4 630	3 920	7.3
	4.5 m	kg							*5 280	5 280	*5 360	3 720			*4 580	3 330	8.0
	3.0 m	kg					*8 430	7 680	*6 590	5 030	5 510	3 610	*4 700	3 030			8.4
	1.5 m	kg					*10 340	7 140	*7 560	4 780	5 380	3 490	4 500	2 920			8.5
	0 m	kg			*5 430	*5 430	*11 400	6 860	7 320	4 600	5 280	3 400	4 590	2 970			8.3
	-1.5 m	kg	*6 280	*6 280	*10 320	*10 320	*11 570	6 790	7 240	4 530	5 240	3 370	4 980	3 210			7.8
	-3.0 m	kg	*11 380	*11 380	*15 630	13 320	*10 920	6 850	7 280	4 560					5 900	3 780	7.0
	-4.5 m	kg			*12 740	*12 740	*9 070	7 080							*6 930	5 230	5.6
Boom : 5.7 m 2-pieces Arm : 2.5 m Shoe : 500 mm CWT : 4 500 kg	7.5 m	kg					*7 860	*7 860						*6 840	6 180	5.5	
	6.0 m	kg					*8 000	*8 000	*7 030	5 320				*6 260	4 360	6.7	
	4.5 m	kg			*12 670	*12 670	*9 030	8 110	*7 360	5 170				5 540	3 590	7.5	
	3.0 m	kg					*10 470	7 480	*7 930	4 900	5 440	3 500	5 020	3 230			7.9
	1.5 m	kg					*11 410	6 950	7 440	4 650	5 310	3 390	4 850	3 100			8.0
	0 m	kg					*11 250	6 710	7 250	4 490	5 230	3 310	4 970	3 160			7.8
	-1.5 m	kg			*11 440	*11 440	*10 090	6 680	7 200	4 450					5 490	3 470	7.3
	-3.0 m	kg					*7 860	6 800	*5 700	4 540					*5 030	4 230	6.4
	Boom : 5.7 m 2-pieces Arm : 2.9 m Shoe : 500 mm CWT : 4 500 kg	9.0 m	kg												*6 200	*6 200	4.0
7.5 m		kg					*7 080	*7 080	*5 130	*5 130				*5 000	*5 000	6.0	
6.0 m		kg					*7 140	*7 140	*6 710	5 450				*4 620	3 980	7.2	
4.5 m		kg			*9 120	*9 120	*8 590	8 320	*7 110	5 270	5 620	3 670	*4 530	3 350			7.9
3.0 m		kg					*10 100	7 680	*7 750	5 000	5 500	3 560	*4 630	3 030			8.3
1.5 m		kg					*11 270	7 090	7 520	4 730	5 370	3 440	4 550	2 910			8.4
0 m		kg			*5 950	*5 950	*11 420	6 770	7 310	4 530	5 260	3 340	4 650	2 960			8.2
-1.5 m		kg			*10 840	*10 840	*10 550	6 680	7 210	4 460	5 230	3 320	5 070	3 220			7.7
-3.0 m		kg			*11 020	*11 020	*8 640	6 770	*6 420	4 510					*5 020	3 830	6.8

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities; 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards; 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load; 4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFTING CAPACITY EC210F L

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Max. reach		Max. m	
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC		
Boom : 5.7 m Arm : 2.5 m Shoe : 600 mm CWT : 4 500 kg	7.5 m	kg											*5 680	*5 680	5.6	
	6.0 m	kg							*5 500	*5 500				*5 600	4 330	6.8
	4.5 m	kg					*6 970	*6 970	*6 010	5 230	*5 680	3 680	5 500	3 600	7.6	
	3.0 m	kg					*8 970	7 570	*6 880	4 990	5 500	3 590	5 000	3 250	8.0	
	1.5 m	kg					*10 730	7 100	7 520	4 760	5 390	3 490	4 840	3 130	8.1	
	0 m	kg					*11 530	6 880	7 360	4 610	5 310	3 410	4 960	3 200	7.9	
	-1.5 m	kg			*10 800	*10 800	*11 460	6 850	7 300	4 560			5 440	3 490	7.4	
	-3.0 m	kg			*14 740	13 580	*10 550	6 950	7 390	4 630			6 620	4 210	6.5	
	-4.5 m	kg			*11 410	*11 410	*8 150	7 230					*7 140	6 270	5.0	
Boom : 5.7 m Arm : 2.9 m Shoe : 600 mm CWT : 4 500 kg	7.5 m	kg							*5 210	*5 210			*4 970	*4 970	6.2	
	6.0 m	kg							*5 100	*5 100			*4 630	3 960	7.3	
	4.5 m	kg							*5 670	5 340	*5 360	3 760	*4 580	3 370	8.0	
	3.0 m	kg					*8 430	7 760	*6 590	5 090	5 570	3 650	*4 700	3 070	8.4	
	1.5 m	kg					*10 340	7 220	*7 560	4 840	5 440	3 530	4 540	2 950	8.5	
	0 m	kg			*5 430	*5 430	*11 400	6 930	7 410	4 650	5 340	3 440	4 640	3 000	8.3	
	-1.5 m	kg	*6 280	*6 280	*10 320	*10 320	*11 570	6 850	7 320	4 580	5 310	3 410	5 040	3 240	7.8	
	-3.0 m	kg	*11 380	*11 380	*15 630	13 460	*10 920	6 920	7 360	4 610			5 970	3 820	7.0	
	-4.5 m	kg			*12 740	*12 740	*9 070	7 140					*6 930	5 280	5.6	
Boom : 5.7 m 2-pieces Arm : 2.5 m Shoe : 600 mm CWT : 4 500 kg	7.5 m	kg					*7 860	*7 860					*6 840	6 240	5.5	
	6.0 m	kg					*8 000	*8 000	*7 030	5 380			*6 260	4 410	6.7	
	4.5 m	kg			*12 670	*12 670	*9 030	8 190	*7 360	5 210			5 600	3 630	7.5	
	3.0 m	kg					*10 470	7 560	*7 930	4 950	5 500	3 540	5 080	3 260	7.9	
	1.5 m	kg					*11 410	7 030	7 520	4 700	5 380	3 430	4 900	3 130	8.0	
	0 m	kg					*11 250	6 780	7 340	4 530	5 290	3 350	5 030	3 200	7.8	
	-1.5 m	kg			*11 440	*11 440	*10 090	6 750	7 280	4 500			*5 710	3 510	7.3	
	-3.0 m	kg					*7 860	6 870	*5 700	4 590			*5 030	4 280	6.4	
	Boom : 5.7 m 2-pieces Arm : 2.9 m Shoe : 600 mm CWT : 4 500 kg	9.0 m	kg											*6 200	*6 200	4.0
7.5 m		kg					*7 080	*7 080	*5 130	*5 130			*5 000	*5 000	6.0	
6.0 m		kg					*7 140	*7 140	*6 710	5 500			*4 620	4 020	7.2	
4.5 m		kg			*9 120	*9 120	*8 590	*8 590	*7 110	5 330	5 690	3 710	*4 530	3 380	7.9	
3.0 m		kg					*10 100	7 760	*7 750	5 060	5 560	3 600	*4 630	3 070	8.3	
1.5 m		kg					*11 270	7 160	7 610	4 780	5 430	3 480	4 600	2 950	8.4	
0 m		kg			*5 950	*5 950	*11 420	6 830	7 390	4 580	5 320	3 380	4 710	3 000	8.2	
-1.5 m		kg			*10 840	*10 840	*10 550	6 760	7 300	4 510	5 300	3 360	5 130	3 250	7.7	
-3.0 m		kg			*11 020	*11 020	*8 640	6 840	*6 420	4 560			*5 020	3 870	6.8	

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities; 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

Specifications

LIFTING CAPACITY EC210F L

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Max. reach		Max. m	
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC		
Boom : 5.7 m Arm : 2.5 m Shoe : 700 mm CWT : 4 500 kg	7.5 m	kg												*5 680	*5 680	5.6
	6.0 m	kg							*5 500	*5 500				*5 600	4 400	6.8
	4.5 m	kg					*6 970	*6 970	*6 010	5 320	*5 680	3 740	*5 690	3 670	7.6	
	3.0 m	kg					*8 970	7 700	*6 880	5 080	5 610	3 650	5 090	3 310	8.0	
	1.5 m	kg					*10 730	7 220	*7 780	4 850	5 500	3 550	4 920	3 190	8.1	
	0 m	kg					*11 530	7 000	7 490	4 690	5 410	3 470	5 050	3 250	7.9	
	-1.5 m	kg			*10 800	*10 800	*11 460	6 970	7 440	4 650			5 540	3 560	7.4	
	-3.0 m	kg			*14 740	13 810	*10 550	7 080	7 520	4 720			6 750	4 280	6.5	
	-4.5 m	kg			*11 410	*11 410	*8 150	7 360					*7 140	6 380	5.0	
Boom : 5.7 m Arm : 2.9 m Shoe : 700 mm CWT : 4 500 kg	7.5 m	kg							*5 210	*5 210				*4 970	*4 970	6.2
	6.0 m	kg							*5 100	*5 100				*4 680	4 030	7.3
	4.5 m	kg							*5 670	5 420	*5 360	3 820		5 530	3 430	8.0
	3.0 m	kg					*8 430	7 870	*6 590	5 170	*5 760	3 710	*4 700	3 130	8.4	
	1.5 m	kg					*10 340	7 340	*7 560	4 910	5 540	3 590	4 630	3 010	8.5	
	0 m	kg			*5 430	*5 430	*11 400	7 060	7 540	4 740	5 440	3 500	4 730	3 060	8.3	
	-1.5 m	kg	*6 280	*6 280	*10 320	*10 320	*11 570	6 980	7 450	4 660	5 410	3 470	5 140	3 300	7.8	
	-3.0 m	kg	*11 380	*11 380	*15 630	13 690	*10 920	7 050	7 490	4 700			6 080	3 880	7.0	
	-4.5 m	kg			*12 740	*12 740	*9 070	7 270					*6 930	5 380	5.6	
Boom : 5.7 m 2-pieces Arm : 2.5 m Shoe : 700 mm CWT : 4 500 kg	7.5 m	kg					*7 860	*7 860						*6 840	6 340	5.5
	6.0 m	kg					*8 000	*8 000	*7 030	5 460				*6 260	4 480	6.7
	4.5 m	kg			*12 670	*12 670	*9 030	8 310	*7 360	5 300				5 710	3 700	7.5
	3.0 m	kg					*10 470	7 680	*7 930	5 040	5 590	3 600	5 170	3 320	7.9	
	1.5 m	kg					*11 410	7 140	7 660	4 790	5 480	3 490	4 990	3 190	8.0	
	0 m	kg					*11 250	6 900	7 460	4 620	5 390	3 420	5 130	3 250	7.8	
	-1.5 m	kg			*11 440	*11 440	*10 090	6 870	*7 610	4 570			*5 710	3 570	7.3	
	-3.0 m	kg					*7 860	7 000	*5 700	4 680			*5 030	4 360	6.4	
	Boom : 5.7 m 2-pieces Arm : 2.9 m Shoe : 700 mm CWT : 4 500 kg	9.0 m	kg												*6 200	*6 200
7.5 m		kg					*7 080	*7 080	*5 130	*5 130				*5 000	*5 000	6.0
6.0 m		kg					*7 140	*7 140	*6 710	5 580				*4 620	4 090	7.2
4.5 m		kg			*9 120	*9 120	*8 590	*8 590	*7 110	5 410	5 790	3 770	*4 530	3 450	7.9	
3.0 m		kg					*10 100	7 880	*7 750	5 140	5 670	3 660	*4 630	3 130	8.3	
1.5 m		kg					*11 270	7 280	7 750	4 860	5 520	3 540	4 690	3 000	8.4	
0 m		kg			*5 950	*5 950	*11 420	6 960	7 520	4 670	5 420	3 440	4 800	3 060	8.2	
-1.5 m		kg			*10 840	*10 840	*10 550	6 870	7 440	4 590	5 400	3 420	5 220	3 310	7.7	
-3.0 m		kg			*11 020	*11 020	*8 640	6 960	*6 420	4 640			*5 020	3 930	6.8	

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities; 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFTING CAPACITY EC210F L

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level	kg	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Max. reach		Max. m	
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC		
Boom : 5.7 m Arm : 2.5 m Shoe : 800 mm CWT : 4 500 kg	7.5 m	kg												*5 680	*5 680	5.6
	6.0 m	kg							*5 500	*5 500				*5 600	4 450	6.8
	4.5 m	kg					*6 970	*6 970	*6 010	5 370	*5 680	3 790	*5 690	3 710	7.6	
	3.0 m	kg					*8 970	7 770	*6 880	5 130	5 670	3 690	5 160	3 350	8.0	
	1.5 m	kg					*10 730	7 300	*7 780	4 890	5 550	3 580	4 980	3 230	8.1	
	0 m	kg					*11 530	7 090	*7 580	4 750	5 480	3 520	5 120	3 290	7.9	
	-1.5 m	kg			*10 800	*10 800	*11 460	7 060	7 520	4 700			5 610	3 590	7.4	
	-3.0 m	kg			*14 740	13 960	*10 550	7 150	*7 780	4 780			*6 990	4 330	6.5	
	-4.5 m	kg			*11 410	*11 410	*8 150	7 440					*7 140	6 450	5.0	
Boom : 5.7 m Arm : 2.9 m Shoe : 800 mm CWT : 4 500 kg	7.5 m	kg							*5 210	*5 210				*4 970	*4 970	6.2
	6.0 m	kg							*5 100	*5 100				*4 630	4 070	7.3
	4.5 m	kg							*5 670	5 480	*5 360	3 860	*4 580	3 470	8.0	
	3.0 m	kg					*8 430	7 960	*6 590	5 220	*5 760	3 750	*4 700	3 160	8.4	
	1.5 m	kg					*10 340	7 430	*7 560	4 970	5 600	3 630	4 690	3 050	8.5	
	0 m	kg			*5 430	*5 430	*11 400	7 130	7 630	4 800	5 500	3 540	4 790	3 100	8.3	
	-1.5 m	kg	*6 280	*6 280	*10 320	*10 320	*11 570	7 060	7 540	4 720	5 480	3 510	5 190	3 340	7.8	
	-3.0 m	kg	*11 380	*11 380	*15 630	13 840	*10 920	7 120	7 590	4 760			6 150	3 930	7.0	
	-4.5 m	kg			*12 740	*12 740	*9 070	7 350					*6 930	5 440	5.6	
Boom : 5.7 m 2-pieces Arm : 2.5 m Shoe : 800 mm CWT : 4 500 kg	7.5 m	kg					*7 860	*7 860						*6 840	6 400	5.5
	6.0 m	kg					*8 000	*8 000	*7 030	5 510				*6 260	4 530	6.7
	4.5 m	kg			*12 670	*12 670	*9 030	8 400	*7 360	5 350			5 770	3 740	7.5	
	3.0 m	kg					*10 470	7 760	*7 930	5 100	5 660	3 640	5 230	3 360	7.9	
	1.5 m	kg					*11 410	7 230	7 750	4 840	5 540	3 530	5 060	3 230	8.0	
	0 m	kg					*11 250	6 980	7 560	4 680	5 460	3 460	5 190	3 290	7.8	
	-1.5 m	kg			*11 440	*11 440	*10 090	6 950	*7 610	4 630			*5 710	3 610	7.3	
	-3.0 m	kg					*7 860	7 080	*5 700	4 730			*5 030	4 410	6.4	
	Boom : 5.7 m 2-pieces Arm : 2.9 m Shoe : 800 mm CWT : 4 500 kg	9.0 m	kg												*6 200	*6 200
7.5 m		kg					*7 080	*7 080	*5 130	*5 130				*5 000	*5 000	6.0
6.0 m		kg					*7 140	*7 140	*6 710	5 640				*4 620	4 130	7.2
4.5 m		kg			*9 120	*9 120	*8 590	*8 590	*7 110	5 470	5 850	3 820	*4 530	3 490	7.9	
3.0 m		kg					*10 100	7 960	*7 750	5 190	5 730	3 710	*4 630	3 170	8.3	
1.5 m		kg					*11 270	7 370	7 830	4 920	5 590	3 570	4 750	3 040	8.4	
0 m		kg			*5 950	*5 950	*11 420	7 040	7 610	4 720	5 490	3 480	4 850	3 100	8.2	
-1.5 m		kg			*10 840	*10 840	*10 550	6 960	7 520	4 640	5 470	3 460	5 280	3 360	7.7	
-3.0 m		kg			*11 020	*11 020	*8 640	7 040	*6 420	4 700			*5 020	3 980	6.8	

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities; 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

Specifications

LIFTING CAPACITY EC210F L

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Max. reach		Max. m		
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC			
Boom : 5.7 m Arm : 2.5 m Shoe : 900 mm CWT : 4 500 kg	7.5 m	kg												*5 680	*5 680	5.6	
	6.0 m	kg							*5 500	*5 500					*5 600	4 500	6.8
	4.5 m	kg					*6 970	*6 970	*6 010	5 430	*5 680	3 830			*5 690	3 750	7.6
	3.0 m	kg					*8 970	7 850	*6 880	5 180	5 740	3 740	5 210	3 390			8.0
	1.5 m	kg					*10 730	7 380	*7 780	4 950	5 620	3 630	5 050	3 260			8.1
	0 m	kg					*11 530	7 160	7 670	4 810	5 540	3 560	5 180	3 330			7.9
	-1.5 m	kg			*10 800	*10 800	*11 460	7 130	7 620	4 760					5 680	3 630	7.4
	-3.0 m	kg			*14 740	14 110	*10 550	7 230	*7 780	4 830					*6 990	4 380	6.5
	-4.5 m	kg			*11 410	*11 410	*8 150	7 510							*7 140	6 510	5.0
Boom : 5.7 m Arm : 2.9 m Shoe : 900 mm CWT : 4 500 kg	7.5 m	kg							*5 210	*5 210				*4 970	*4 970	6.2	
	6.0 m	kg							*5 100	*5 100				*4 630	4 120	7.3	
	4.5 m	kg							*5 670	*5 670	*5 360	3 900			*4 580	3 510	8.0
	3.0 m	kg					*8 430	8 040	*6 590	5 280	*5 760	3 800	*4 700	3 200			8.4
	1.5 m	kg					*10 340	7 500	*7 560	5 030	5 670	3 670	4 750	3 080			8.5
	0 m	kg			*5 430	*5 430	*11 400	7 220	7 720	4 850	5 570	3 580	4 850	3 140			8.3
	-1.5 m	kg	*6 280	*6 280	*10 320	*10 320	*11 570	7 140	7 640	4 780	5 540	3 560	5 260	3 390			7.8
	-3.0 m	kg	*11 380	*11 380	*15 630	13 990	*10 920	7 210	7 680	4 810					6 220	3 980	7.0
	-4.5 m	kg			*12 740	*12 740	*9 070	7 440							*6 930	5 500	5.6
Boom : 5.7 m 2-pieces Arm : 2.5 m Shoe : 900 mm CWT : 4 500 kg	7.5 m	kg					*7 860	*7 860						*6 840	6 460	5.5	
	6.0 m	kg					*8 000	*8 000	*7 030	5 570				*6 260	4 570	6.7	
	4.5 m	kg			*12 670	*12 670	*9 030	8 470	*7 360	5 410				5 830	3 780	7.5	
	3.0 m	kg					*10 470	7 840	*7 930	5 150	5 730	3 680	5 290	3 400			7.9
	1.5 m	kg					*11 410	7 310	7 830	4 890	5 600	3 570	5 120	3 260			8.0
	0 m	kg					*11 250	7 070	7 650	4 730	5 520	3 500	5 250	3 330			7.8
	-1.5 m	kg			*11 440	*11 440	*10 090	7 030	*7 610	4 690					*5 710	3 660	7.3
	-3.0 m	kg					*7 860	7 160	*5 700	4 790					*5 030	4 460	6.4
	Boom : 5.7 m 2-pieces Arm : 2.9 m Shoe : 900 mm CWT : 4 500 kg	9.0 m	kg												*6 200	*6 200	4.0
7.5 m		kg					*7 080	*7 080	*5 130	*5 130				*5 000	*5 000	6.0	
6.0 m		kg					*7 140	*7 140	*6 710	5 690				*4 620	4 180	7.2	
4.5 m		kg			*9 120	*9 120	*8 590	*8 590	*7 110	5 520	5 910	3 860	*4 530	3 530			7.9
3.0 m		kg					*10 100	8 040	*7 750	5 250	5 800	3 750	*4 630	3 200			8.3
1.5 m		kg					*11 270	7 440	7 920	4 970	5 660	3 620	*4 910	3 080			8.4
0 m		kg			*5 950	*5 950	*11 420	7 120	7 700	4 780	5 550	3 530	4 910	3 140			8.2
-1.5 m		kg			*10 840	*10 840	*10 550	7 040	7 610	4 700	5 530	3 510	5 350	3 400			7.7
-3.0 m		kg			*11 020	*11 020	*8 640	7 120	*6 420	4 760					*5 020	4 030	6.8

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities; 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFTING CAPACITY EC210F NL

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Max. reach		Max. m	
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC		
Boom : 5.7 m Arm : 2.5 m Shoe : 500 mm CWT : 4 500 kg	7.5 m	kg												*5 680	5 130	5.6
	6.0 m	kg							*5 500	4 600				*5 600	3 680	6.8
	4.5 m	kg					*6 970	*6 970	*6 010	4 450	*5 680	3 120	5 430	3 060	7.6	
	3.0 m	kg					*8 970	6 320	*6 880	4 210	5 450	3 030	4 930	2 750	8.0	
	1.5 m	kg					*10 730	5 860	7 440	3 990	5 320	2 930	4 780	2 630	8.1	
	0 m	kg					*11 530	5 670	7 260	3 850	5 240	2 860	4 890	2 680	7.9	
	-1.5 m	kg			*10 800	*10 800	*11 460	5 640	7 210	3 810				5 370	2 920	7.4
	-3.0 m	kg			*14 740	10 780	*10 550	5 730	7 290	3 880				6 540	3 530	6.5
	-4.5 m	kg			*11 410	*11 410	*8 150	6 000						*7 140	5 230	5.0
Boom : 5.7 m Arm : 2.9 m Shoe : 500 mm CWT : 4 500 kg	7.5 m	kg							*5 210	4 700				*4 970	4 490	6.2
	6.0 m	kg							*5 100	4 710				*4 630	3 380	7.3
	4.5 m	kg							*5 670	4 540	*5 360	3 200		*4 580	2 860	8.0
	3.0 m	kg					*8 430	6 490	*6 590	4 300	5 500	3 090	*4 700	2 590	8.4	
	1.5 m	kg					*10 340	5 990	*7 560	4 060	5 370	2 970	4 490	2 490	8.5	
	0 m	kg			*5 430	*5 430	*11 400	5 720	7 310	3 880	5 270	2 890	4 580	2 530	8.3	
	-1.5 m	kg	*6 280	*6 280	*10 320	*10 320	*11 570	5 640	7 230	3 820	5 240	2 860	4 980	2 720	7.8	
	-3.0 m	kg	*11 380	*11 380	*15 630	10 670	*10 920	5 710	7 270	3 860				5 890	3 210	7.0
	-4.5 m	kg			*12 740	11 030	*9 070	5 920						*6 930	4 430	5.6
Boom : 5.7 m Arm : 2.5 m Shoe : 600 mm CWT : 4 500 kg	7.5 m	kg							*5 500	4 650				*5 680	5 180	5.6
	6.0 m	kg							*5 100	4 750				*5 600	3 720	6.8
	4.5 m	kg					*6 970	*6 970	*6 010	4 500	*5 680	3 160	5 490	3 090	7.6	
	3.0 m	kg					*8 970	6 380	*6 880	4 250	5 500	3 070	4 990	2 780	8.0	
	1.5 m	kg					*10 730	5 930	7 510	4 030	5 390	2 960	4 830	2 660	8.1	
	0 m	kg			*5 430	*5 430	*11 400	5 780	7 400	3 930	5 330	2 910	4 640	2 560	8.3	
	-1.5 m	kg	*6 280	*6 280	*10 320	*10 320	*11 570	5 700	7 310	3 860	5 300	2 890	5 030	2 750	7.8	
	-3.0 m	kg	*11 380	*11 380	*15 630	10 780	*10 920	5 770	7 350	3 890				5 960	3 240	7.0
	-4.5 m	kg			*12 740	11 150	*9 070	5 980						*6 930	4 480	5.6
Boom : 5.7 m Arm : 2.5 m Shoe : 700 mm CWT : 4 500 kg	7.5 m	kg							*5 210	4 720				*4 970	4 590	6.2
	6.0 m	kg							*5 100	4 820				*4 630	3 470	7.3
	4.5 m	kg					*6 970	*6 970	*6 010	4 560	*5 680	3 210	5 690	3 140	7.6	
	3.0 m	kg					*8 970	6 480	*6 880	4 330	5 600	3 120	5 090	2 830	8.0	
	1.5 m	kg					*10 730	6 030	*7 780	4 110	5 490	3 010	4 920	2 710	8.1	
	0 m	kg			*5 430	*5 430	*11 530	5 820	7 480	3 960	5 410	2 940	5 050	2 760	7.9	
	-1.5 m	kg			*10 800	*10 800	*11 460	5 800	7 430	3 910				5 530	3 010	7.4
	-3.0 m	kg			*14 740	11 070	*10 550	5 890	7 510	3 980				6 740	3 630	6.5
	-4.5 m	kg			*11 410	*11 410	*8 150	6 150						*7 140	5 380	5.0
Boom : 5.7 m Arm : 2.9 m Shoe : 700 mm CWT : 4 500 kg	7.5 m	kg							*5 210	4 820				*4 970	4 590	6.2
	6.0 m	kg							*5 100	4 820				*4 630	3 470	7.3
	4.5 m	kg							*5 670	4 660	*5 360	3 280		*4 580	2 930	8.0
	3.0 m	kg					*8 430	6 650	*6 590	4 420	*5 760	3 180	*4 700	2 660	8.4	
	1.5 m	kg					*10 340	6 150	*7 560	4 180	5 530	3 060	4 620	2 570	8.5	
	0 m	kg			*5 430	*5 430	*11 400	5 870	7 530	4 000	5 440	2 970	4 730	2 590	8.3	
	-1.5 m	kg	*6 280	*6 280	*10 320	*10 320	*11 570	5 810	7 440	3 930	5 400	2 940	5 130	2 810	7.8	
	-3.0 m	kg	*11 380	*11 380	*15 630	10 970	*10 920	5 860	7 480	3 960				6 070	3 290	7.0
	-4.5 m	kg			*12 740	11 320	*9 070	6 080						*6 930	4 550	5.6

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

Equipment

STANDARD AND OPTIONAL EQUIPMENT

• = Standard / o = Optional

Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU StageV requirements	•
Cooling system by fan clutch	•
Cyclone pre-cleaner	•
Fuel shut off valve	•
Engine block heater	o
Coolant heater by diesel	o
Precleaner, oil bath	o
Air filter, High efficiency	o
Delayed engine Shutdown	o
Automatic engine shutdown	o
Water separator with heater	o
Arctic regeneration	o
Regeneration control	o
Oil sampling for engine oil	o

Electric / Electronic control system

Anti-theft with code lock system	•
Alternator, 130 A	•
Automatic idling system	•
Lock Out / Tag Out function on main battery switch	•
Standard light	•
Basic light package	o
Advanced light package	o
Deluxe light package	o
Arm light	o
LH light	o

Undercarriage and structures

3-point side access	•
Direct filling DEF(AdBlue) / Sight gauge and splash guard	•
Openable 1 piece hood	•
Guardrail, fixed/foldable	o
Inner rail	o
Lower frame,NLC	o
Link 600/700/800/900 mm triple grouser shoe	o
Link 600 mm triple grouser shoe, HD	o
Link 600 mm single grouser shoe	o
Link 700 mm double grouser shoe	o

Hydraulic system

EH(Electro-Hydraulic) control system	•
New work mode with 10 steps	•
Auto power boost	•
One touch power boost	•
Priority Adjustment	•
Boom down speed control	•
Shock reduction function	•
Joystick, Semi-long / 4 switch / 4 switch & 1 proportional / Simple L8 / L8	o
Hydraulic oil mineral 32 / 46 / 68	o
Longlife hyd oil mineral 32 / 46 / 68	o
Hydraulic oil bio 46	o
Pattern change	o
Boom float function	o
Straight travel pedal	o
Comfort driving control	o
Creep mode	o
Dedicated drain line	o
Variable X3 P-Q control	o
Hose rupture valve for boom	•
Hose rupture valve for arm	•

STANDARD AND OPTIONAL EQUIPMENT

• = Standard / o = Optional

Cab and interior

Keyless engine start and stop	•
8" HD display	•
ROPS certified cab	•
Tilttable left console	•
Digital hour meter	•
Wireless mobile charger with Kinematic sensor package option	•
Various storage space with cool/heated	•
Cleaning air gun	o
Cabin large mirror, Heated	o
Cabin large mirror	o
Basic / Premium / Deluxe seat	o
Seat belt, 2 inch 2 point / 3 inch 2 point / 3 inch 3 point	o
Climate control-HEPA filter	o
Radio with MP3/USB/Bluetooth	o
Front rain shield	o
Sun screen	o
Lower wiper	o
Sun shield, roof hatch	o
Foot rest, High mount	o
FOG (Falling Object Guard)	o
FOPS (Falling Object Protection Structure)	o
Safety net	o

Digging equipment

Boom: 5.7 m monoblock	•
5.57 m 2piece boom	o
Arm: 2.9 m	•
Arm: 2.5 m	o

Machine controls

Kinematic sensor package	o
Volvo Co-Pilot 2nd display, 12.8" touchable Full HD	o
Dig Assist, Start	o
Dig Assist, 2D	o
Dig Assist, In-Field Design	o
Dig Assist, Topcon 3D-MC	o
Dig Assist, Trimble Earthworks	o
Dig Assist, Infield-Design Advanced	o
Dig Assist, On-Board Weighing	o
Dig Assist, Laser Receiver	o
Volvo Active Control	o
Dig Assist, Boundary Limit	o

Service and maintenance

Fuel level gauge	•
Swing out A/C condenser	•
Fuel filler pump	o
Quick Hydraulic Oil Fill connection	o
Jump start connector	o
Tool kit	o

Safety and security

Travel alarm, beep / white noise	o
Flashing beacon, LED	o
Green light beacon	o
Rear view camera	•
Side view camera	o
HD VSV (Volvo Smart View)	o
HD VSV with obstacle detection	o
Provision, HD VSV with obstacle detection	o

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.



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