

V O L V O



Volvo Excavators 21.6 t 123 hp

EC220

Volvo Construction Equipment

EC220

**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 EC220 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, EC220 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

- Increased safety onsite and for the operator
- 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



Productivity

- Up to 10% improvement in fuel efficiency
- Engine pump optimization with engine speeds as low as 1 800 rpm
- Dig Assist with On-Board Weighing

Volvo EC220 in Detail

Engine		
Engine	Volvo	D6E
Max power at	r/min	1 800
Net, ISO 9249/SAE J1349	kW	115
	hp	156
Gross, ISO 14396/SAE J1995	kW	123
	hp	167
Max torque	Nm	730
at engine speed	r/min	1 350
No. of cylinders		6
Displacement	l	5.7
Bore	mm	98
Stroke	mm	126
Electrical system		
Voltage	V	24
Batteries	V	2 x 12
Battery capacity	Ah	140
Alternator	V/A	28 / 80
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.		
Track shoes		2 x 49
Link pitch	mm	190
Shoe width	mm	600
Shoe width, triple grouser	mm	600
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	76.7
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	183
Max. travel speed (low)	km/h	3.5
Max. travel speed (high)	km/h	5.7
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 airconditioning 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. Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Global Warming Potential 1430 CO₂-eq.

Sound Level

Sound pressure level in cab according to ISO 6396

L_{pA} dB 71

External sound level according to ISO 6395 and EU Noise Directive 2000/14/EC

L_{WA} dB 104

Service Refill

Fuel tank	l	390
Hydraulic system, total	l	275
Hydraulic tank	l	120
Engine oil	l	25
Engine coolant	l	21
Slew reduction unit	l	5
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 for optimum performance:

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: Type 2 x variable displacement axial piston pumps

Maximum flow l/min 2 x 207

Pilot pump: Type Gear pump

Maximum flow l/min 18

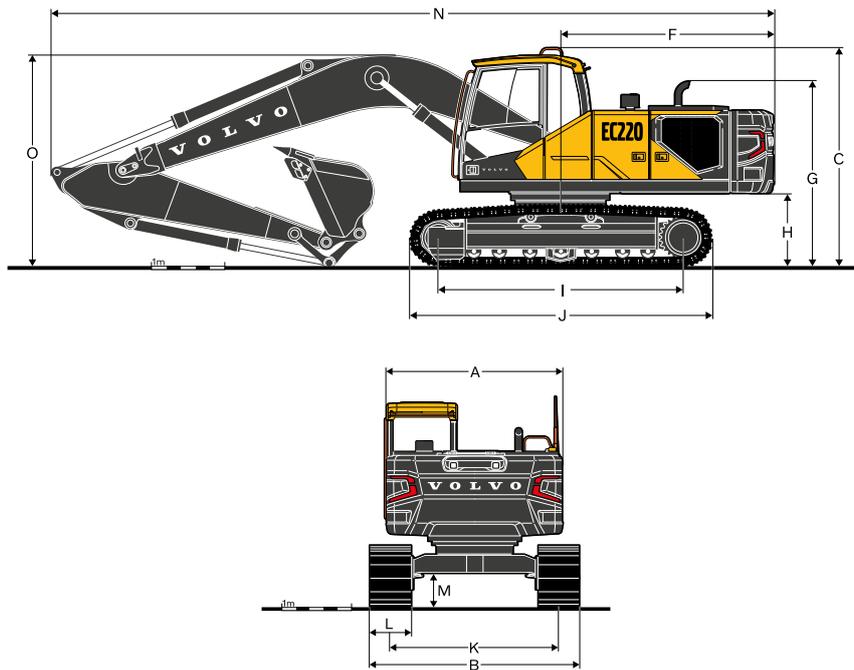
Max. pressure

Implement	MPa	34.3
Travel circuit	MPa	32.4
Slew circuit	MPa	27.9
Pilot circuit	MPa	3.9

Hydraulic Cylinders

Mono boom		2
Bore x Stroke	ø x mm	120 x 1 235
Arm		1
Bore x Stroke	ø x mm	130 x 1 540
Bucket		1
Bore x Stroke	ø x mm	120 x 1 065

Specifications



DIMENSIONS

	Unit	EC220F		EC220F L		EC220F LR	
Boom	m	5.7				8.85	
Arm	m	2.5	2.9	2.5	2.9	6.25	
A. Overall width of upper structure	mm	2 500					
B. Overall width	mm	2 800		2 990		3 190	
C. Overall height of cab	mm	2 915					
D. Overall height of handrail	mm	3 032					
F. Tail swing radius	mm	2 850					
G. Overall height of engine hood	mm	2 230					
H. Counterweight clearance *	mm	1 011					
I. Tumbler length	mm	3 370			3 660		
J. Track length	mm	4 160			4 460		
K. Track gauge	mm	2 200			2 390		
L. Shoe width	mm	600				800	
M. Min. ground clearance *	mm	460					
N. Overall length	mm	9 745	9 690	9 745	9 690	12 880	
O. Overall height of boom	mm	3 066	2 926	3 066	2 926	3 041	

* Without shoe grouser

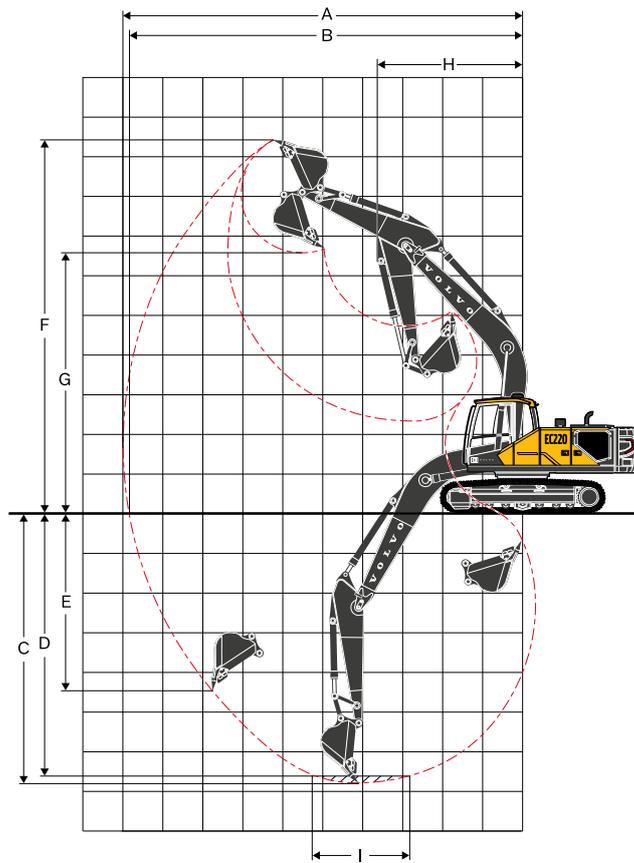


DIMENSIONS

Description	Unit	Boom		Description	Unit	Arm		
	m	5.7 HD	8.85 LR		m	2.5 HD	2.9 HD	6.25 LR
A. Length	mm	5 910	9 060	A. Length	mm	3 525	3 910	7 330
B. Height	mm	1 585	1 460	B. Height	mm	860	860	945
Width	mm	670	670	Width	mm	440	440	385
Weight	kg	1 621	1 974	Weight	kg	735	783	1 038
Weight*	kg	2 130	2 510	Weight*	kg	1 130	1 150	1 316

* Includes arm cylinder, piping and pin

* Includes bucket cylinder, linkage and pin



WORKING RANGES WITH DIRECT FIT BUCKET

Description	Unit	EC220F, L	
Boom	m	5.7	
Arm	m	2.5	2.9
A. Max. digging reach	mm	9 550	9 930
B. Max. digging reach on ground	mm	9 380	9 770
C. Max. digging depth	mm	6 330	6 730
D. Max. digging depth (l=2.44 m level)	mm	6 100	6 540
E. Max. vertical wall digging depth	mm	5 620	6 090
F. Max. cutting height	mm	9 220	9 460
G. Max. dumping height	mm	6 430	6 650
H. Min. front swing radius	mm	3 670	3 640

DIGGING FORCES WITH DIRECT FIT BUCKET

Breakout force (bucket)	Normal	SAE J1179	kN	123	123
	Power boost	SAE J1179	kN	130	130
	Normal	ISO 6015	kN	136	136
	Power boost	ISO 6015	kN	144	144
Tearout force (arm)	Normal	SAE J1179	kN	112	96
	Power boost	SAE J1179	kN	118	102
	Normal	ISO 6015	kN	115	99
	Power boost	ISO 6015	kN	122	105

Specifications

GROUND PRESSURE

EC220F

Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	600	21 000	44.4	2 800	21 200	44.8	2 800
	600 (HD)	21 130	44.7	2 800	21 330	45.1	2 800
	700	21 392	38.8	2 900	21 592	39.1	2 900
	800	21 654	34.3	3 000	21 854	34.6	3 000
				EC220F, 5.7 m HD boom, 2.9 m HD arm, 856 kg bucket, 4 000 kg counterweight		EC220F, 5.7 m HD boom, 2.9 m HD arm, 856 kg bucket, 4 200 kg counterweight	

EC220F 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	600	21 550	45.5	2 990	21 750	46.0	2 990
	600 (HD)	21 680	45.8	2 990	21 880	46.2	2 990
	700	21 940	39.7	3 090	22 140	40.1	3 090
	800	22 230	35.2	3 190	22 430	35.6	3 190
				EC220F L, 5.7 m HD boom, 2.9 m HD arm, 1 000 kg bucket, 3 800 kg counterweight		EC220F L, 5.7 m HD boom, 2.9 m HD arm, 1 000 kg bucket, 4 000 kg counterweight	

Description	Shoe width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm
Triple grouser	600	21 950	46.4	2 990
	600 (HD)	22 080	46.7	2 990
	700	22 340	40.5	3 090
	800	22 630	35.9	3 190
				EC220F L, 5.7 m HD boom, 2.9 m HD arm, 1 000 kg bucket, 4 200 kg counterweight

EC220F LR

Description	Shoe width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm
Triple grouser	600	23 110	48.8	3 190
	600 (HD)	23 240	49.1	3 190
	700	23 500	42.6	3 290
	800	23 790	37.7	3 390
				EC220F LR, 8.85 m boom, 6.25 m arm, 453 kg bucket, 4 900 kg counterweight

BUCKET SELECTION GUIDE

EC220F L with 600 mm shoe, 4 000 kg counterweight

Bucket Type		Capacity	Cutting width	Weight	Recommended maximum material density (kg/m ³)		
					5.7 m HD Boom		
					HD2.5 m Arm	HD2.9 m Arm	
		L	mm	kg			
Direct fit Buckets	V1	GP	1.1	1 235	876	1 800	1 800
			1.2	1 335	930	1 800	1 800
			1.25	1 340	929	1 800	1 800
	V2	GP	0.95	1 150	740	1 800	1 800
			1.0	1 210	846	1 800	1 800
			0.92	1 230	825	1 800	1 800
			1.05	1 250	774	1 800	1 800
			1.1	1 320	857	1 800	1 800
			1.22	1 505	889	1 800	1 800
		HD	0.92	1 240	958	2 100	2 000
	V4	FD	0.95	1 500	725	1 600	1 600
			1.03	1 600	761	1 600	1 600
		GP	0.92	1 090	812	1 800	1 800
			1.09	1 240	950	1 800	1 800
			1.27	1 380	1 035	1 800	1 800
			1.44	1 540	1 089	1 800	1 600
		HD	0.75	900	809	2 100	2 100
			0.92	1 090	955	2 100	2 100
1.09			1 240	1 054	2 100	2 000	
1.27			1 380	1 129	2 100	1 800	

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.

Specifications

LIFTING CAPACITY EC220F

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									
Boom : 5.7 m HD Arm : 2.9 m HD Shoe : 600 mm CWT : 3 800 kg UC : Long	7.5 m kg							*4 400	*4 400			*4 420	*4 420	6.2
	6 m kg							*4 310	*4 310			*4 110	3 510	7.3
	4.5 m kg							*4 780	*4 780	*4 490	3 310	*4 060	2 930	8.0
	3.0 m kg					*7 140	6 980	*5 550	4 520	*4 820	3 180	4 160	2 640	8.4
	1.5 m kg					*8 740	6 370	*6 350	4 230	4 840	3 040	4 020	2 520	8.5
	0 m kg			*4 880	*4 880	*9 620	6 040	6 600	4 020	4 730	2 940	4 100	2 550	8.3
	-1.5 m kg	*5 650	*5 650	*9 340	*9 340	*9 740	5 960	6 500	3 940	4 690	2 900	4 460	2 770	7.8
	-3.0 m kg	*10 300	*10 300	*13 160	11 900	*9 170	6 030	6 550	3 980			5 310	3 290	6.9
-4.5 m kg			*10 630	*10 630	*7 550	6 290					*5 750	4 650	5.6	
Boom : 5.7 m HD Arm : 2.9 m HD Shoe : 600 mm CWT : 4 000 kg UC : Standard	7.5 m kg							*4 400	*4 400			*4 410	4 350	6.2
	6 m kg							*4 310	*4 310			*4 110	3 210	7.3
	4.5 m kg							*4 780	4 400	*4 490	3 020	*4 050	2 670	8.0
	3.0 m kg					*7 140	6 330	*5 550	4 120	4 500	2 900	3 750	2 390	8.4
	1.5 m kg					*8 740	5 730	6 100	3 830	4 350	2 760	3 610	2 280	8.5
	0 m kg			*4 890	*4 890	9 170	5 420	5 880	3 630	4 240	2 660	3 680	2 310	8.3
	-1.5 m kg	*5 650	*5 650	*9 340	*9 340	9 070	5 330	5 780	3 550	4 200	2 620	4 000	2 500	7.8
	-3.0 m kg	*10 300	*10 300	*13 160	10 440	9 160	5 410	5 830	3 590			4 760	2 980	6.9
-4.5 m kg			*10 630	*10 630	*7 550	5 660					*5 750	4 210	5.6	
Boom : 5.7 m HD Arm : 2.9 m HD Shoe : 600 mm CWT : 4 000 kg UC : Long	7.5 m kg							*4 400	*4 400			*4 420	*4 420	6.2
	6 m kg							*4 310	*4 310			*4 110	3 600	7.3
	4.5 m kg							*4 780	*4 780	*4 490	3 400	*4 060	3 020	8.0
	3.0 m kg					*7 140	*7 140	*5 550	4 640	*4 820	3 270	*4 170	2 720	8.4
	1.5 m kg					*8 740	6 550	*6 350	4 350	4 960	3 130	4 120	2 600	8.5
	0 m kg			*4 880	*4 880	*9 620	6 220	6 750	4 150	4 840	3 030	4 200	2 640	8.3
	-1.5 m kg	*5 650	*5 650	*9 340	*9 340	*9 740	6 130	6 650	4 060	4 800	3 000	4 560	2 850	7.8
	-3.0 m kg	*10 300	*10 300	*13 160	12 230	*9 170	6 210	6 700	4 100			5 440	3 390	6.9
-4.5 m kg			*10 630	*10 630	*7 550	6 470					*5 750	4 780	5.6	
Boom : 5.7 m HD Arm : 2.9 m HD Shoe : 600 mm CWT : 4 200 kg UC : Standard	7.5 m kg							*4 400	*4 400			*4 410	*4 410	6.2
	6 m kg							*4 310	*4 310			*4 110	3 300	7.3
	4.5 m kg							*4 780	4 520	*4 490	3 110	*4 050	2 750	8.0
	3.0 m kg					*7 140	6 490	*5 550	4 230	4 610	2 990	3 840	2 470	8.4
	1.5 m kg					*8 740	5 900	6 250	3 950	4 460	2 850	3 710	2 360	8.5
	0 m kg			*4 890	*4 890	9 390	5 580	6 020	3 750	4 350	2 740	3 770	2 390	8.3
	-1.5 m kg	*5 650	*5 650	*9 340	*9 340	9 290	5 500	5 930	3 660	4 310	2 710	4 100	2 580	7.8
	-3.0 m kg	*10 300	*10 300	*13 160	10 740	*9 170	5 570	5 980	3 710			4 880	3 070	6.9
-4.5 m kg			*10 630	*10 630	*7 550	5 820					*5 750	4 330	5.6	
Boom : 5.7 m HD Arm : 2.9 m HD Shoe : 600 mm CWT : 4 200 kg UC : Long	7.5 m kg							*4 400	*4 400			*4 420	*4 420	6.2
	6 m kg							*4 310	*4 310			*4 110	3 700	7.3
	4.5 m kg							*4 780	*4 780	*4 490	3 490	*4 060	3 100	8.0
	3.0 m kg					*7 140	*7 140	*5 550	4 760	*4 820	3 370	*4 170	2 800	8.4
	1.5 m kg					*8 740	6 720	*6 350	4 470	5 070	3 230	4 210	2 680	8.5
	0 m kg			*4 880	*4 880	*9 620	6 400	6 910	4 270	4 950	3 120	4 300	2 720	8.3
	-1.5 m kg	*5 650	*5 650	*9 340	*9 340	*9 740	6 310	6 810	4 180	4 920	3 090	4 670	2 940	7.8
	-3.0 m kg	*10 300	*10 300	*13 160	12 560	*9 170	6 390	*6 770	4 220			*5 560	3 490	6.9
-4.5 m kg			*10 630	*10 630	*7 550	6 640					*5 750	4 920	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.

LIFTING CAPACITY EC220F

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										
Boom : 5.7 m HD Arm : 2.5 m HD Shoe : 600 mm CWT : 3 800 kg UC : Long	7.5 m kg											*4 850	*4 850	5.6	
	6 m kg							*4 690	*4 690			*4 760	3 880	6.9	
	4.5 m kg					*6 000	*6 000	*5 120	4 750	*4 810	3 270	*4 810	3 190	7.6	
	3.0 m kg					*7 690	6 870	*5 870	4 480	4 980	3 170	4 490	2 860	8.0	
	1.5 m kg					*9 170	6 330	*6 620	4 220	4 850	3 050	4 330	2 730	8.1	
	0 m kg					*9 830	6 090	6 620	4 060	4 760	2 970	4 430	2 780	7.9	
	-1.5 m kg			*9 790	*9 790	*9 750	6 060	6 560	4 000				4 880	3 040	7.4
	-3.0 m kg			*12 520	12 190	*8 950	6 170	*6 580	4 080				*5 900	3 710	6.5
-4.5 m kg			*9 590	*9 590	*6 830	6 480						*5 990	5 640	5.0	
Boom : 5.7 m HD Arm : 2.5 m HD Shoe : 600 mm CWT : 4 000 kg UC : Standard	7.5 m kg											*4 850	*4 850	5.6	
	6 m kg							*4 690	4 520			*4 760	3 550	6.9	
	4.5 m kg					*6 000	*6 000	*5 120	4 350	4 590	2 980	4 480	2 910	7.6	
	3.0 m kg					*7 690	6 220	*5 870	4 080	4 480	2 890	4 050	2 600	8.0	
	1.5 m kg					*9 170	5 700	6 090	3 830	4 360	2 770	3 890	2 470	8.1	
	0 m kg					9 220	5 460	5 910	3 670	4 270	2 690	3 980	2 510	7.9	
	-1.5 m kg			*9 800	*9 800	9 180	5 430	5 850	3 610				4 380	2 750	7.4
	-3.0 m kg			*12 520	10 720	*8 950	5 540	5 930	3 690				5 350	3 360	6.5
-4.5 m kg			*9 590	*9 590	*6 830	5 840						*5 990	5 100	5.0	
Boom : 5.7 m HD Arm : 2.5 m HD Shoe : 600 mm CWT : 4 000 kg UC : Long	7.5 m kg											*4 850	*4 850	5.6	
	6 m kg							*4 690	*4 690			*4 760	3 980	6.9	
	4.5 m kg					*6 000	*6 000	*5 120	4 870	4 810	3 360	*4 810	3 280	7.6	
	3.0 m kg					*7 690	7 040	*5 870	4 600	*5 070	3 260	4 600	2 940	8.0	
	1.5 m kg					*9 170	6 510	*6 620	4 340	4 960	3 140	4 430	2 810	8.1	
	0 m kg					*9 830	6 270	6 780	4 180	4 870	3 060	4 540	2 860	7.9	
	-1.5 m kg			*9 790	*9 790	*9 750	6 230	6 720	4 120				5 000	3 130	7.4
	-3.0 m kg			*12 520	*12 520	*8 950	6 350	*6 580	4 200				*5 900	3 820	6.5
-4.5 m kg			*9 590	*9 590	*6 830	6 660						*5 990	5 800	5.0	
Boom : 5.7 m HD Arm : 2.5 m HD Shoe : 600 mm CWT : 4 200 kg UC : Standard	7.5 m kg											*4 850	*4 850	5.6	
	6 m kg							*4 690	4 630			*4 760	3 650	6.9	
	4.5 m kg					*6 000	*6 000	*5 120	4 460	4 700	3 070	4 590	3 000	7.6	
	3.0 m kg					*7 690	6 380	*5 870	4 200	4 590	2 970	4 150	2 680	8.0	
	1.5 m kg					*9 170	5 870	6 240	3 950	4 460	2 860	3 990	2 550	8.1	
	0 m kg					9 440	5 630	6 050	3 780	4 380	2 780	4 080	2 600	7.9	
	-1.5 m kg			*9 800	*9 800	9 400	5 600	5 990	3 730				4 490	2 840	7.4
	-3.0 m kg			*12 520	11 020	*8 950	5 710	6 080	3 810				5 480	3 460	6.5
-4.5 m kg			*9 590	*9 590	*6 830	6 010						*5 990	5 250	5.0	
Boom : 5.7 m HD Arm : 2.5 m HD Shoe : 600 mm CWT : 4 200 kg UC : Long	7.5 m kg											*4 850	*4 850	5.6	
	6 m kg							*4 690	*4 690			*4 760	4 090	6.9	
	4.5 m kg					*6 000	*6 000	*5 120	4 990	*4 810	3 450	*4 810	3 370	7.6	
	3.0 m kg					*7 690	7 220	*5 870	4 720	*5 070	3 350	4 700	3 030	8.0	
	1.5 m kg					*9 170	6 690	*6 620	4 470	5 070	3 230	4 540	2 890	8.1	
	0 m kg					*9 830	6 450	6 930	4 300	4 980	3 150	4 650	2 950	7.9	
	-1.5 m kg			*9 790	*9 790	*9 750	6 410	6 870	4 240				5 110	3 230	7.4
	-3.0 m kg			*12 520	*12 520	*8 950	6 520	*6 580	4 320				*5 900	3 930	6.5
-4.5 m kg			*9 590	*9 590	*6 830	6 830						*5 990	5 950	5.0	

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 T3 requirements	•
Cooling system by Direct Fan	•
Cooling system by Hydraulic Fan	o
Air filter with indicator	•
Rain Cap	•
Cyclone pre-cleaner	o
Fuel shut off valve	•
Engine block heater	o
Coolant heater by diesel	o
Automatic engine shutdown	•
Water separator with heater	o
Fuel filter and water separator	•

Electric / Electronic control system

Anti-theft with code lock system	o
Automatic idling system	•
Standard LED light	•
Extra LED light	o
Master electrical disconnect switch	•
Engine restart prevention circuit	•

Undercarriage and structures

3-point side access	•
Guardrail, fixed/foldable	o
Lower frame, LC	o
Lower frame, STD	•
Link 700 / 800 / 900 mm triple grouser shoe	o
Link 600 mm triple grouser shoe, HD	•
Dual toolbox	•
Undercover STD/HD	o

Hydraulic system

Pilot-Hydraulic control system	•
One touch power boost	•
Joystick, Semi-long / 4 switch / 4 switch & 1 proportional / L8	o
Hydraulic oil mineral 32 / 46 / 68	o
Longlife hyd oil mineral 32 / 46 / 68	•
Hose rupture valve for boom	o
Hose rupture valve for arm	o

STANDARD AND OPTIONAL EQUIPMENT

• = Standard / o = Optional

Cab and interior

ROPS certified cab	•
FOG (Falling Object Guard)	o
FOPS (Falling Object Protection Structure)	o
8» HD display	•
Mechanical sus/Air sus seat	o
Seat belt, 2 inch 2 point / 3 inch 2 point / 3 inch 3 point	o
Front rain shield	o
Sun screens, front, roof, rear	•
Lower wiper	o
Sun shield, roof hatch	o
Safety net	o
Travel pedals and hand levers	•
Adjustable operator seat and joystick control console	•
Heater & air-conditioner, automatic	o
Air-conditioner, automatic	•
AM / FM / USB / Bluetooth stereo with Keypad	•
Large storage area	•
Pull-up type front window	•
Removable lower windshield	•

Digging equipment

Boom: 5.7 m HD monoblock	•
Boom: 5.7 m GP monoblock	o
Arm: 2.9 m HD	•
Arm: 2.5 m HD	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, Infield-Design	o
Dig Assist, Topcon 3D-MC	o
Dig Assist, On-Board Weighing	o
Dig Assist, Laser Receiver	o

Service and maintenance

Swing out A/C condenser	•
Fuel filler pump	o
Jump start connector	o
Tool kit	o

Safety and security

Travel alarm, beep / white noise	o
Flashing beacon, LED	o
Rear view camera	•
Side view camera	o
HD VSV (Volvo Smart View)	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.





V O L V O