



Volvo Construction Equipment
Building Tomorrow

EC530E, EC550E

Volvo Excavators 54.0 - 56.4 t 462 hp



WELCOME TO OUR WORLD

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

Welcome to the world of Volvo Construction Equipment – we think you're going to like it here.

Working harder, working smarter

For over 180 years Volvo has been a pioneer in the design and manufacture of machines which set the standard for efficiency, performance and uptime. Across our range of excavators, wheel loaders and haulers, our reputation for engineering excellence is unrivalled, which means whatever your operation or application, we can provide a total fleet solution to help you succeed.

Building on our proud history, the Volvo Concept Lab continues to create cutting-edge ideas and innovative concepts, to ensure we offer customers machines which work harder and smarter long into the future.



Solutions for you

Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

Designed for your business

Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

There when you need us

Whether you're buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It's the basis of everything offered by Volvo Services, so you can be confident we've got you covered right from the start.

BUILDING TOMORROW

A purpose-built 50-tonner

Introducing the EC530E and EC550E, true 50-tonne machines and new size class excavators for Volvo. Outstanding levels of power and productivity make these crawler excavators the perfect partner for heavy-duty digging, mass excavation and large site preparation.

Big performance

The 50-tonne EC530E and EC550E truly punch above their weight, delivering the digging forces and lifting capacity more commonly found in a 60-tonne machine. Featuring the highest engine power in their class, these machines deliver superior swing torque and tractive force.



The undercarriage for the job

The perfect choice for the toughest applications, the robust EC550E undercarriage features a longer and wider lower frame compared to the EC530E, providing enhanced stability when handling heavier loads.



Less passes, more work

Optimize fleet use by up to 20%. These 50-tonne excavators are the perfect partner to 30-40t class Volvo articulated haulers, reducing the number of required passes – dramatically improving cycle times. With the additional support of Volvo Site Simulation, your Volvo dealer can work with you to advise on the optimum fleet configuration and site set-up for your operation.



A weight off your mind

Take control of your productivity with the optional On-Board Weighing – part of the Dig Assist set of apps and powered by the 10" Volvo Co-Pilot display. The intelligent tool provides real-time information on bucket weight ensuring the optimum amount of material is moved with every pass. The system also records total tonnage, per shift or per day, to provide powerful long-term productivity data.





SET NEW STANDARDS

These true 50-tonne crawler excavators, equipped with large buckets, boost productivity by up to 20% – setting new standards for the industry.



25% MORE FUEL EFFICIENCY

Take fuel efficiency to new levels in the EC530E and EC550E. The next generation electro-hydraulic system with Independent Metering Valve Technology produces up to a 25% improvement in fuel efficiency. Engine pump optimization, which lowers engine rpm while optimizing power, and optimized hydraulic piping and size routings, further contribute towards the incredible levels of fuel efficiency.

Less cost, more profit

Reduce costs and boost profits in the EC530E and EC550E. Features including new electro-hydraulic system, Volvo attachments and operator training all contribute towards the unrivalled levels of efficiency delivered by these 50-tonne crawler excavators.

Unique Independent Metering Valve Technology

The latest pioneering innovation from Volvo, the next generation electro-hydraulic system with Independent Metering Valve Technology is the most advanced hydraulic system in the industry. The system provides intelligent electronic control with more control variable, compared to a conventional mechanically coupled hydraulic system. The result is maximum controllability and efficiency according to the specific application at hand.



Get the most from your machine

While reliable and efficient machines of course play a vital role in reducing costs, enhancing safety and maximizing productivity, it is ultimately the performance of the operator that really makes the difference. We offer a wide range of training initiatives to help operators unlock the full capability of their Volvo excavator.



The right tool for the job

Take on a variety of tasks with our range of factory-delivered attachments, including quick couplers and buckets. Perfectly matched to your machine, Volvo attachments are designed to create a single solid and reliable unit, delivering faster and more fuel-efficient cycle times. What's more, the machine is prepared with the necessary auxiliary piping to power hydraulic attachments such as breakers, thumbs, shears, grapples and more.



Even more efficiency

Fuel is the industry's number one operational cost and Fuel Efficiency Reports help to identify areas where efficiency improvements can be made, providing clear insights into the fuel performance of a fleet, site or individual machine. If you need further support putting insight into action, your Volvo dealer is on hand to help you develop a plan to deliver long-term efficiency gains.



Ultimate control

Welcome to the ultimate in operator control and convenience. The revolutionary new generation electro-hydraulics with Independent Metering Valve Technology enable a range of intelligent functions which take the operator experience to new levels, including creep mode, motion priority functions, reduced bouncing and Comfort Drive Control.

Carry with care

The perfect solution for lift and carry operations, creep mode utilizes an independent pump flow during travel to maintain a constant and slower travel speed.



Comfortable travel

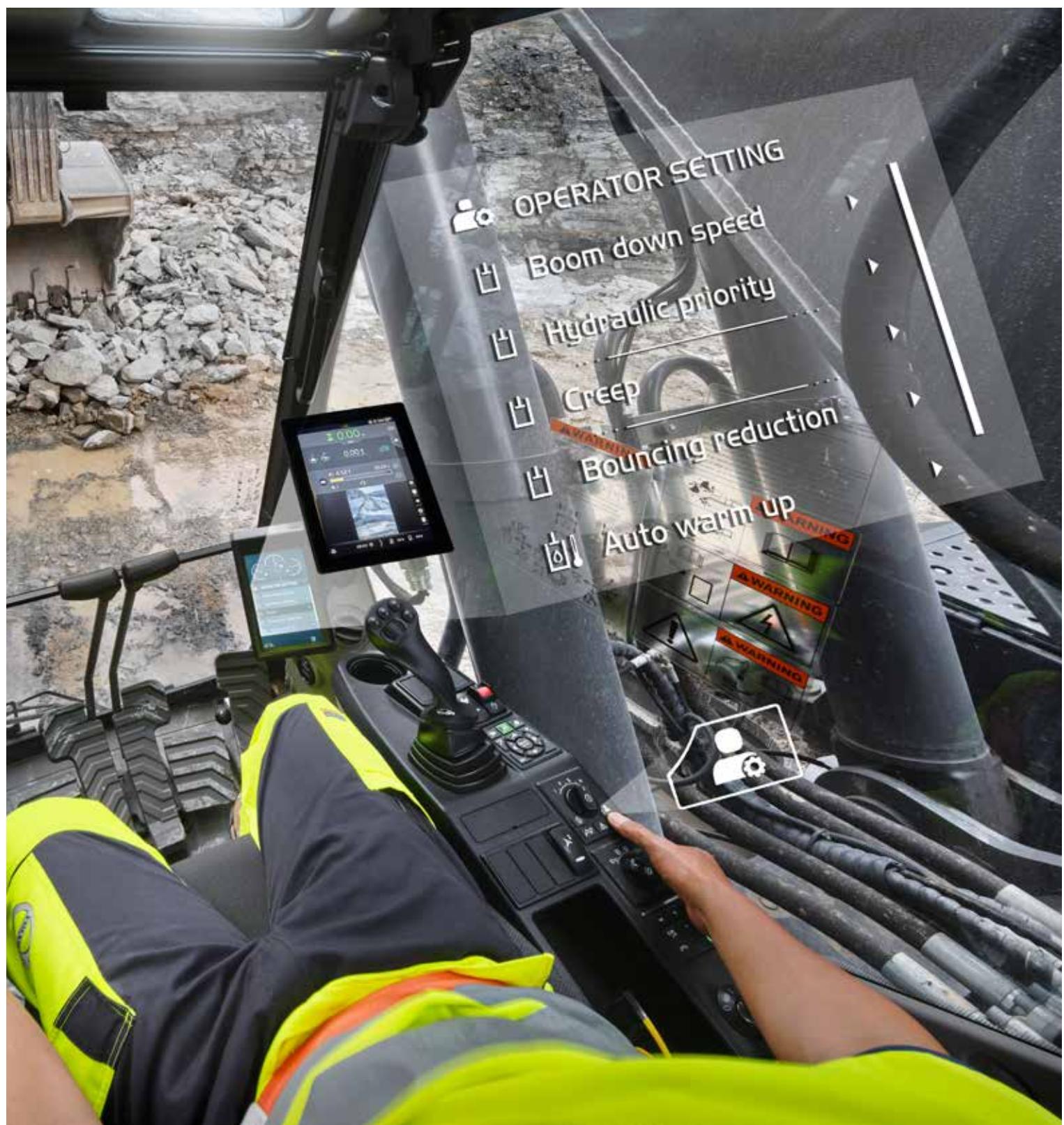
For easy operation and reduced operator fatigue, Comfort Drive Control gives operators the opportunity to steer the machine using the advanced joystick rollers with index finger grip, instead of using the pedals.



A smoother shift

Boom and arm bouncing reduction technology dramatically reduces machine shock, resulting in a more comfortable and productive operator performance.





ADAPT TO THE JOB

Operators can easily select and adjust a number of functions depending on personal preferences and the task at hand, including Boom/Swing and Boom/Travel priority which enables prioritization of one function over another. Operators can also easily adjust the boom down speed, ideal for precision tasks which require optimum control.



EASY AS 1, 2, 3

Reach the upper structure with safety and confidence thanks to 3-point right-hand side access, also providing access to the handily located UREA/DEF tank. A splash guard on the UREA tank makes filling quicker and easier, reducing the risk of spillage and subsequent corrosion.

For your comfort and safety

Whether working inside or on the machine, features such as unrivalled visibility and 3-point right-hand side access mean you can be sure that the highest levels of safety have been considered in every design detail of the EC530E and EC550E.

See it all

Operators benefit from outstanding visibility thanks to rear and side-view cameras. Furthermore, the optional Volvo Smart View uses front, rear and side cameras to provide a real-time, overhead view of the machine, resulting in safer machine rotation while working, especially in confined spaces.



Industry-renowned cab

Step inside the best cab on the market. The ROPS cab exceeds industry standards for this class of machine, and with low noise and low vibration, operators will experience the ultimate in comfort. Already boasting best-in-class visibility, the optional high visibility cab and one-piece front window enhance visibility even more.



Get around safely

Industry renowned features such as bolted anti-slip plates, high visibility guardrails and handrails ensure the highest levels of safety when negotiating the machine. For further convenience, the optional foldable cab entrance step and side walkways fold away to enable easier transportation.



Work harder for longer

Reduced maintenance requirements, durable design and outstanding reliability means you can count on the EC530E and EC550E to deliver optimum results – shift after shift, day after day.

For the toughest tasks

The 50-tonne EC530E and EC550E are designed to deliver performance which lasts, with an ultra-durable and reinforced undercarriage providing the durability and strength you would expect from a 60-tonne machine. Combine this with a super-strong upper and lower frame, and boom and arm with larger pin size, and these machines are ready to take on the toughest of applications.



Machine monitoring made easy

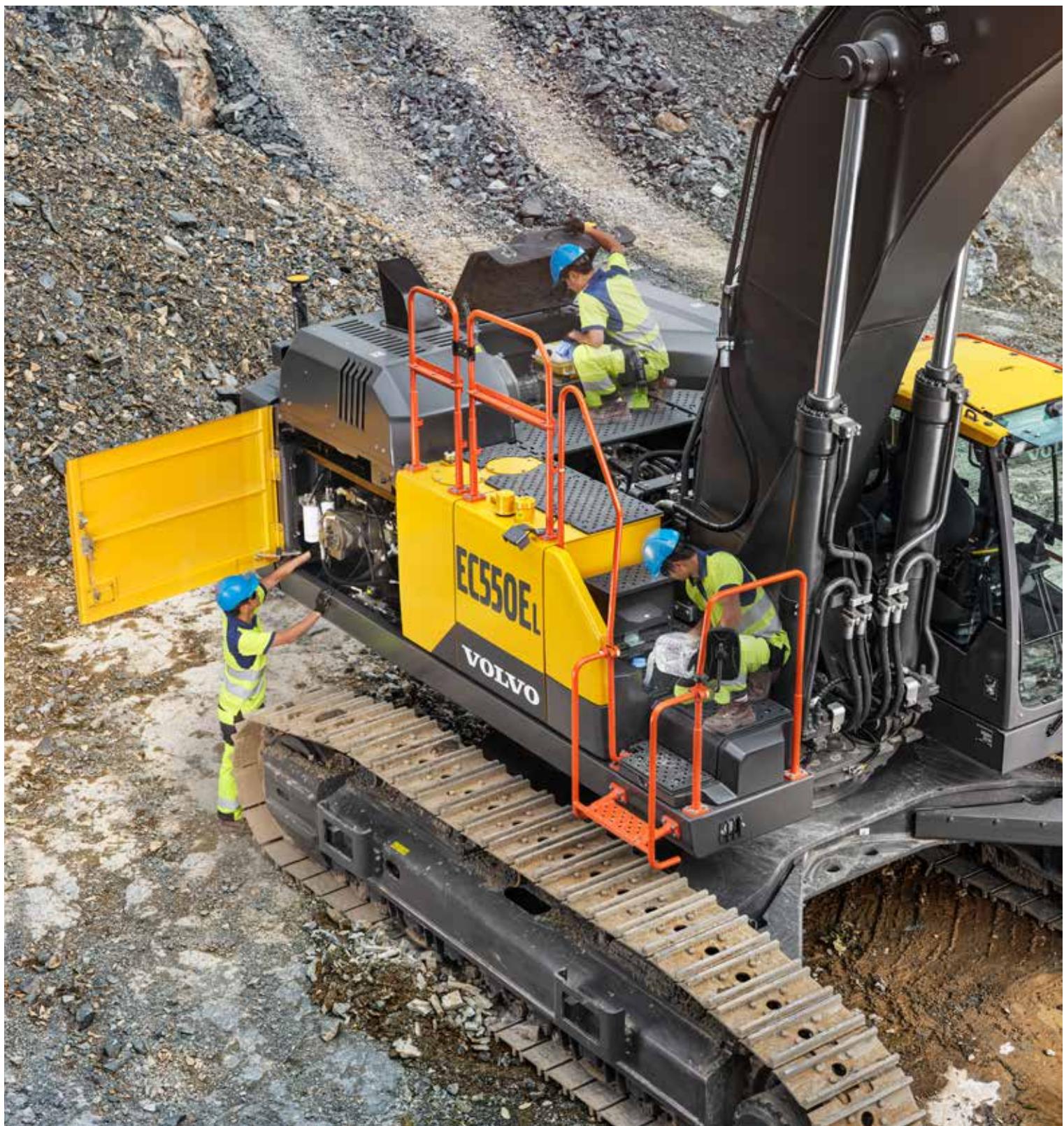
Maximize machine uptime and reduce repair costs with the CareTrack telematic system. Choose to keep track of your machine yourself or let us take care of it with Active Care. Our Volvo Uptime Center will provide 24/7 machine monitoring, supplying weekly reports and notifying you should preventive maintenance action be required.



Keeping you moving

Maintain productivity and machine uptime with our range of widely available, tested and approved Genuine Volvo Parts – all backed by Volvo warranty. Your Volvo dealer can help you stay on track, offering flexible maintenance and repair options, as well as planned servicing, to extend the life of your excavator.





UPTIME YOU CAN COUNT ON

Hydraulic pilot lines have been removed in the EC530E and EC550E, reducing the number of couplings required, for increased machine reliability. Electric connectors which exceed Ingress Protection 69K water-proofed standards also contribute to long component life. Spend more time working without interruption thanks to 1 000-hour engine oil and engine oil filter change intervals; grouped filters accessible from the ground level make servicing quick and easy.

Move more for less

TRUE 50-TONNE PERFORMANCE

- Big buckets, 20% more productivity
- Highest engine power of its class
- Superior swing torque and tractive force
- Digging forces/lifting capacity commonly found in a 60-tonne machine
- Handle heavier loads with the longer/wider EC550E undercarriage
- Perfect match to 30-40t Volvo Articulated Haulers

BIG ON EFFICIENCY

- Electro-hydraulic system with Independent Metering Valve Technology: +25% fuel efficiency
- Engine pump optimization
- Optimized hydraulic piping & size routing

ULTIMATE CONTROL

- Boom/Swing and Boom/Travel priority
- Adjustable boom down speed
- Boom and arm bouncing reduction
- Creep mode: carry with care
- Comfort Drive Control: joystick steering



VOLVO SERVICES: BOOST YOUR PROFITS

- On-Board Weighing, powered by Volvo Co-Pilot (Dig Assist)
- Range of matched Volvo Attachments
- Volvo Site Simulation
- Fuel Efficiency Report
- Operator training
- Volvo Active Care: 24/7 machine monitoring



QUICK AND EASY SERVICING

- 3-point right-hand side access to the upper structure
- Removed hydraulic pilot lines: reduced need for oil couplings
- Splash guard on the UREA/DEF tank
- Grouped filters, accessed from ground-level or side walkway

GET AROUND SAFELY

- ROPS cab: spacious, ergonomic and low-noise
- Rear and side cameras, Volvo Smart View
- High-visibility cab, One-piece front window
- Bolted anti-slip plates
- Foldable walkways
- High visibility handrails/guardrails

WORK HARDER FOR LONGER

- Ultra-durable and reinforced undercarriage, upper and lower frame
- Reinforced digging equipment, including larger pin size
- Electric connectors exceeding Ingress Protection 69K water-proofed standards
- 1 000hr engine oil and engine oil filter change intervals

Volvo EC530E, EC550E in detail

Engine

Volvo diesel engine uses Volvo Advanced Combustion Technology (V-ACT) to deliver lower emissions, superior performance and fuel efficiency. The engine uses precise, high pressure fuel injectors, turbo charger and intercooler, and electronic engine controls to optimize machine performance.

Air Filter: 3-stage and 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	D13J
Max power at	r/min	1600
Net, ISO 9249/SAE J1349	kW	339
	hp	461
Gross, ISO 14396/SAE J1995	kW	340
	hp	462
Max torque	Nm	2 200
at engine speed	r/min	1300
No. of cylinders		6
Displacement	l	12.8
Bore	mm	131
Stroke	mm	158

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.

Voltage	V	24
Batteries	V	2 x 12
Battery capacity	Ah	200
Alternator	V/A	28/80

Undercarriage

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

EC530E

Track shoes		2 x 50
Link pitch	mm	228.6
Shoe width, triple grouser	mm	600 / 750 / 900
Shoe width, double grouser	mm	600
Bottom rollers		2 x 9
Top rollers (retractable)		2 x 3

EC550E

Track shoes		2 x 51
Link pitch	mm	228.6
Shoe width, triple grouser	mm	600 / 750 / 900
Shoe width, double grouser	mm	600
Bottom rollers		2 x 9
Top rollers (retractable)		2 x 3

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 nine 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 1.430 t CO₂-eq.

Hydraulic system

Main pump, Type 2 x Variable displacement axial piston pumps

Maximum flow I/min 2 x 416

Pilot pump, Type Gear pump

Maximum flow I/min 16

Max. pressure

Implement MPa 33.8/36.3

Travel circuit MPa 33.8

Slew circuit MPa 27.9

Pilot circuit MPa 3.9

Hydraulic Motors

Travel: Variable displacement axial piston motor with mechanical brake.

Slew: Fixed displacement piston motor with mechanical brake.

Hydraulic Cylinders

Mono boom 2

Bore x Stroke ø x mm 175 x 1590

Arm 1

Bore x Stroke ø x mm 190 x 1942

Bucket 1

Bore x Stroke ø x mm 170 x 1330

ME Bucket 1

Bore x Stroke ø x mm 180 x 1335

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 350

Max. travel speed (low) km/h 3.5

Max. travel speed (high) km/h 5.4

Gradeability ° 35

Swing system

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

Max. slew speed r/min 9.4

Max. slew torque kNm 197

Service Refill

Fuel tank l 680

DEF/AdBlue® tank l 62.5

Hydraulic system, total l 590

Hydraulic tank l 270

Engine oil l 55

Engine coolant l 66

Slew reduction unit l 2 x 6.4

Travel reduction unit l 2 x 8.0

Sound Level

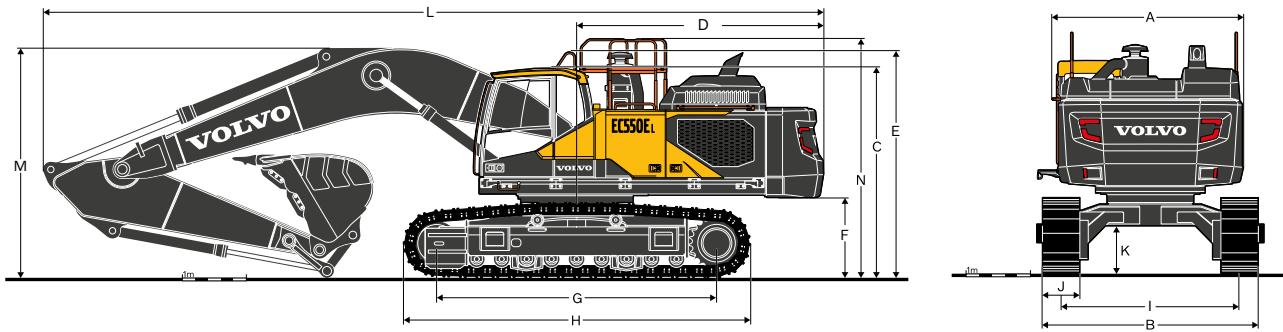
Sound pressure level in cab according to ISO 6396

L_{pA} dB 71

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

L_{WA} dB 107

Specifications



DIMENSIONS

Description	Unit	EC530E retractable undercarriage					
Boom	m	6.5 ME			7.0 HD		
Arm	m	2.55	3.0	2.55	3.0	3.35	3.9
A. Overall width of upper structure	mm	2 990	2 990	2 990	2 990	2 990	2 990
B. Overall width (retracted)	mm	2 990	2 990	2 990	2 990	2 990	2 990
Overall width (extended)	mm	3 490	3 490	3 490	3 490	3 490	3 490
C. Overall height of cab *	mm	3 415	3 415	3 415	3 415	3 415	3 415
D. Tail swing radius	mm	3 880	3 880	3 880	3 880	3 880	3 880
E. Overall height of Handrail *	mm	3 670	3 670	3 670	3 670	3 670	3 670
F. Counterweight clearance *	mm	1 370	1 370	1 370	1 370	1 370	1 370
G. Tumbler length	mm	4 400	4 400	4 400	4 400	4 400	4 400
H. Track length	mm	5 460	5 460	5 460	5 460	5 460	5 460
I. Track gauge (retracted)	mm	2 390	2 390	2 390	2 390	2 390	2 390
Track gauge (extended)	mm	2 890	2 890	2 890	2 890	2 890	2 890
J. Shoe width	mm	600	600	600	600	600	600
K. Min. ground clearance *	mm	735	735	735	735	735	735
L. Overall length	mm	11 770	11 760	12 270	12 260	12 240	12 235
M. Overall height of boom *	mm	4 400	4 340	4 200	4 010	3 910	3 930
N. Overall height of guardrail, unfolded	mm	3 870	3 870	3 870	3 870	3 870	3 870
N. Overall height of guardrail, folded	mm	3 385	3 385	3 385	3 385	3 385	3 385

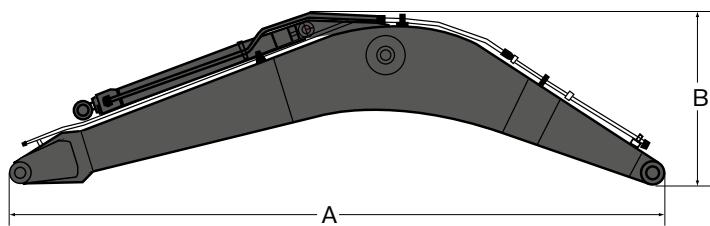
* Without shoe grouser

DIMENSIONS

Description	Unit	EC550E wide retractable undercarriage					
Boom	m	6.5 ME			7.0 HD		
Arm	m	2.55	3.0	2.55	3.0	3.35	3.9
A. Overall width of upper structure	mm	2 990	2 990	2 990	2 990	2 990	2 990
B. Overall width (retracted)	mm	3 400	3 400	3 400	3 400	3 400	3 400
Overall width (extended)	mm	3 900	3 900	3 900	3 900	3 900	3 900
C. Overall height of cab	mm	3 415	3 415	3 415	3 415	3 415	3 415
D. Tail swing radius	mm	3 880	3 880	3 880	3 880	3 880	3 880
E. Overall height of Handrail	mm	3 670	3 670	3 670	3 670	3 670	3 670
F. Counterweight clearance *	mm	1 370	1 370	1 370	1 370	1 370	1 370
G. Tumbler length	mm	4 515	4 515	4 515	4 515	4 515	4 515
H. Track length	mm	5 580	5 580	5 580	5 580	5 580	5 580
I. Track gauge (retracted)	mm	2 800	2 800	2 800	2 800	2 800	2 800
Track gauge (extended)	mm	3 300	3 300	3 300	3 300	3 300	3 300
J. Shoe width	mm	600	600	600	600	600	600
K. Min. ground clearance *	mm	735	735	735	735	735	735
L. Overall length	mm	11 770	11 760	12 270	12 260	12 240	12 235
M. Overall height of boom *	mm	4 400	4 340	4 200	4 010	3 910	3 930
N. Overall height of guardrail, unfolded	mm	3 870	3 870	3 870	3 870	3 870	3 870
N. Overall height of guardrail, folded	mm	3 385	3 385	3 385	3 385	3 385	3 385

* Without shoe grouser

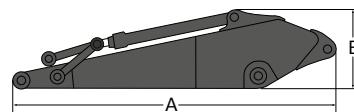
Specifications



DIMENSIONS

Boom	m	6.5 ME	7.0 HD
A. Length	mm	6 780	7 280
B. Height	mm	1 910	1 785
Width	mm	906	906
Weight*	kg	5 140	5 025

* Includes arm cylinder, piping and pin



DIMENSIONS

Arm	m	2.55	3.0	3.35	3.9
A. Length	mm	3 805	4 270	4 620	5 170
B. Height	mm	1 260	1 260	1 260	1 260
Width	mm	605	605	605	605
Weight*	kg	2 710	2 920	2 875	3 030

* Includes bucket cylinder, linkage and pin

MACHINE WEIGHTS AND GROUND PRESSURE

Description	EC530E with RETRACTABLE undercarriage, 7.0 m boom, 3.35 m arm, 2 800 kg bucket, 10 600 kg counterweight			EC550E with WIDE RETRACTABLE undercarriage, 7.0 m boom, 3.35 m arm, 2 800 kg bucket, 10 600 kg counterweight	
	Shoe width		Operating weight	Ground pressure	Operating weight
	mm	kg	kPa	kg	kPa
Triple grouser	600	54 140	92.7	54 820	91.7
	750	54 920	75.3	55 620	74.4
	900	55 700	63.6	56 420	62.9
Double grouser	600	54 010	92.5	54 690	91.4

BUCKET SELECTION GUIDE

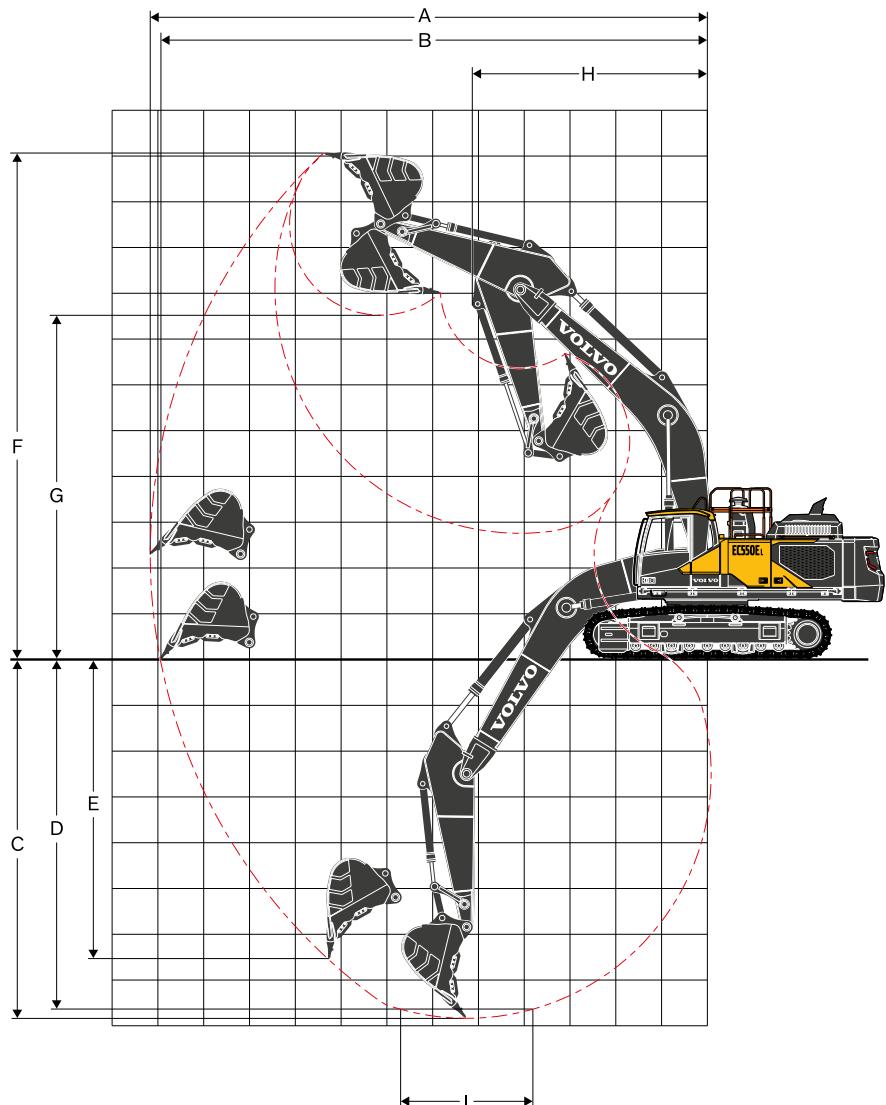
Bucket type		Capacity	Cutting width	Weight	Teeth	EC530EL retractable undercarriage								
						600 mm shoe, 10 600 kg counterweight								
						6.5 m ME boom				7.0 m boom				
L	mm	kg	EA		2.55 m	3.0 m	2.55 m	3.0 m	3.35 m	3.9 m				
Direct fit Buckets	General purpose	2 840	1 940	2 543	5	C	C	C	C	C	C			
		3 310	2 190	2 830	6	C	C	C	C	B	B			
		3 600	2 060	3 078	6	C	C	C	B	B	A			
		4 000	2 240	3 247	6	C	B	B	A	A	X			
	Heavy duty	2 400	1 710	2 488	5	D	D	D	D	D	D			
		2 660	1 840	2 576	5	D	D	D	D	D	D	C		
		2 840	1 940	2 671	5	D	D	D	D	C	C			
		3 310	2 190	2 973	6	D	C	C	C	B	B	B		
		3 600	2 060	3 124	6	C	C	B	B	B	B	A		
		3 820	2 160	3 219	6	C	B	B	B	A	X			
Buckets with UQC	General purpose	2 840	1 940	2 543	5	C	C	C	C	C	C	B		
		3 310	2 190	2 830	6	C	C	B	B	A	A	A		
		3 600	2 060	3 078	6	C	B	B	A	A	X	X		
		4 000	2 240	3 247	6	B	A	A	X	X	X	X		
	Heavy duty	2 400	1 710	2 488	5	D	D	D	D	D	D	C		
		2 660	1 840	2 576	5	D	D	D	C	C	C	B		
		2 840	1 940	2 671	5	D	D	D	C	B	B	B		
		3 310	2 190	2 973	6	C	C	B	B	A	X	X		
		3 600	2 060	3 124	6	C	B	B	A	X	X	X		
		3 820	2 160	3 219	6	B	B	A	X	X	X	X		
Bucket type		Capacity	Cutting width	Weight	Teeth	EC550EL wide retractable undercarriage								
						600 mm shoe, 10 600kg counterweight								
L	mm	kg	EA		2.55 m	3.0 m	2.55 m	3.0 m	3.35 m	3.9 m				
Direct fit Buckets	General purpose	2 840	1 940	2 543	5	C	C	C	C	C	C	C		
		3 310	2 190	2 830	6	C	C	C	C	C	C	C		
		3 600	2 060	3 078	6	C	C	C	C	C	C	B		
		4 000	2 240	3 247	6	C	C	C	C	C	B	B		
		4 200	2 325	3 465	6	C	C	C	B	B	B	A		
	Heavy duty	2 400	1 710	2 488	5	D	D	D	D	D	D	D		
		2 660	1 840	2 576	5	D	D	D	D	D	D	D		
		2 840	1 940	2 671	5	D	D	D	D	D	D	D		
		3 310	2 190	2 973	6	D	D	D	D	D	D	C		
		3 600	2 060	3 124	6	D	D	D	C	C	C	B		
	Buckets with UQC	3 820	2 160	3 219	6	D	D	C	C	C	B	B	B	
		2 840	1 940	2 543	5	C	C	C	C	C	C	C		
		3 310	2 190	2 830	6	C	C	C	C	C	C	B		
		3 600	2 060	3 078	6	C	C	C	C	C	B	A		
		4 000	2 240	3 247	6	C	C	B	B	A	A	A		
		4 200	2 325	3 465	6	C	B	B	A	A	x			
	Heavy duty	2 400	1 710	2 488	5	D	D	D	D	D	D	D		
		2 660	1 840	2 576	5	D	D	D	D	D	D	D		
		2 840	1 940	2 671	5	D	D	D	D	D	D	C		
		3 310	2 190	2 973	6	D	D	D	C	C	C	B		
		3 600	2 060	3 124	6	D	C	C	B	B	B	A		
		3 820	2 160	3 219	6	D	C	C	B	B	B	A		

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.

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

Specifications



WORKING RANGE

Description	Unit	EC530E and EC550E					
		6.5 ME		7.0 HD			
Boom	m	2.55	3.0	2.55	3.0	3.35	3.9
A. Max. digging reach	mm	10 970	11 330	11 490	11 850	12 180	12 680
B. Max. digging reach on ground	mm	10 690	11 060	11 220	11 590	11 930	12 430
C. Max. digging depth	mm	6 450	6 900	6 890	7 340	7 690	8 240
D. Max. digging depth (2.44 m level)	mm	6 280	6 750	6 720	7 190	7 550	8 110
E. Max. vertical wall digging depth	mm	5 680	5 850	5 980	6 090	6 410	6 840
F. Max. cutting height	mm	10 740	10 740	11 060	11 060	11 210	11 380
G. Max. dumping height	mm	7 100	7 160	7 450	7 510	7 760	7 850
H. Min. front slew radius	mm	4 810	4 780	5 210	5 170	5 140	5 050

DIGGING FORCES WITH DIRECT FIT BUCKET

Bucket radius		mm	1965	1965	1840	1840	1840	1840
Breakout force - bucket	Normal	SAE J1179	kN	267	267	251	251	251
	Power boost	SAE J1179	kN	287	287	269	269	269
Tearout force - dipper arm	Normal	ISO 6015	kN	307	307	287	287	287
	Power boost	ISO 6015	kN	329	329	308	308	308
Rotation angle, bucket	Normal	SAE J1179	kN	247	227	258	236	220
	Power boost	SAE J1179	kN	265	243	277	253	235
	Normal	ISO 6015	kN	256	233	264	241	223
	Power boost	ISO 6015	kN	274	250	284	258	240

LIFTING CAPACITY EC530E

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 Point	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach		
		Along UC	Across UC	Along UC	Across UC	m												
Boom: 6.5 m ME Arm: 2.55 m Shoe: 600 mm CWT: 10 600 kg	9.0 m kg															*13710	*13710	6.1
	7.5 m kg															*12460	*12460	7.4
	6.0 m kg															*12040	10660	8.2
	4.5 m kg															*12100	9520	8.7
	3.0 m kg															*12560	8990	9.0
	1.5 m kg															*13500	8890	8.9
	0 m kg															14190	9250	8.6
	-1.5 m kg															*15260	10210	8.0
	-3.0 m kg															*15320	12330	7.1
	9.0 m kg															*11410	*11410	6.6
Boom: 6.5 m ME Arm: 3.0 m Shoe: 600 mm CWT: 10 600 kg	7.5 m kg															*10570	*10570	7.8
	6.0 m kg															*10290	9900	8.6
	4.5 m kg															*10400	8890	9.1
	3.0 m kg															*10850	8400	9.3
	1.5 m kg															*11670	8290	9.3
	0 m kg															*13090	8570	9.0
	-1.5 m kg															14490	9370	8.4
	-3.0 m kg															*14890	11070	7.5
	-4.5 m kg															*14610	*14610	6.2
	9.0 m kg															*11410	*11410	6.6
Boom: 7.0 m HD Arm: 2.55 m Shoe: 600 mm CWT: 10 600 kg	7.5 m kg															*12630	11270	8.0
	6.0 m kg															*12280	9560	8.8
	4.5 m kg															*12350	8640	9.3
	3.0 m kg															12460	8190	9.5
	1.5 m kg															12390	8110	9.4
	0 m kg															12870	8400	9.2
	-1.5 m kg															14090	9160	8.6
	-3.0 m kg															*14180	10760	7.7
	-4.5 m kg															*13550	*13550	6.4
	9.0 m kg															*10710	10380	8.4
Boom: 7.0 m HD Arm: 3.0 m Shoe: 600 mm CWT: 10 600 kg	7.5 m kg															*10510	8900	9.2
	6.0 m kg															*10630	8080	9.6
	4.5 m kg															*11050	7660	9.8
	3.0 m kg															11610	7570	9.8
	1.5 m kg															12000	7800	9.5
	0 m kg															13020	8430	9.0
	-1.5 m kg															*13730	9740	8.2
	-3.0 m kg															*13570	12580	6.9
	-4.5 m kg															*10400	*9400	8.8
	9.0 m kg															*9230	8470	9.5
Boom: 7.0 m HD Arm: 3.35 m Shoe: 600 mm CWT: 10 600 kg	7.5 m kg															*9320	7730	10.0
	6.0 m kg															*9670	7350	10.2
	4.5 m kg															*10320	7260	10.1
	3.0 m kg															*11370	7450	9.9
	1.5 m kg															12320	8000	9.4
	0 m kg															*13360	9120	8.6
	-1.5 m kg															*13390	11440	7.4
	-3.0 m kg															*12290	*12290	5.6
	-4.5 m kg															*7930	*7930	8.4
	-6.0 m kg															*7530	*7530	9.4
Boom: 7.0 m HD Arm: 3.9 m Shoe: 600 mm CWT: 10 600 kg	9.0 m kg															*7410	*7410	10.1
	7.5 m kg															*7490	7140	10.5
	6.0 m kg															*7750	6810	10.7
	4.5 m kg															*8250	6710	10.6
	3.0 m kg															*9030	6860	10.4
	1.5 m kg															*10270	7300	9.9
	0 m kg															*12390	8190	9.2
	-1.5 m kg															*12890	9940	8.1
	-3.0 m kg															*12560	*12560	6.4
	-4.5 m kg															*10400	*9400	8.8

Notes:

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

Specifications

LIFTING CAPACITY EC530E

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 Point	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach			
		Along UC	Across UC	Along UC	Across UC	m													
Boom: 6.5 m ME Arm: 2.55 m Shoe: 750 mm CWT: 10 600 kg	9.0 m kg															*13710	*13710	61	
	7.5 m kg																*12460	*12460	74
	6.0 m kg																*12040	10790	82
	4.5 m kg																*12100	9650	87
	3.0 m kg																*12560	9110	90
	1.5 m kg																*13500	9020	89
	0 m kg																14390	9370	86
	-1.5 m kg																*15260	10350	80
	-3.0 m kg																*15320	12490	71
Boom: 6.5 m ME Arm: 3.0 m Shoe: 750 mm CWT: 10 600 kg	9.0 m kg																*11410	*11410	66
	7.5 m kg																*10570	*10570	78
	6.0 m kg																*10290	10030	86
	4.5 m kg																*10400	9010	91
	3.0 m kg																*10850	8520	93
	1.5 m kg																*11670	8410	93
	0 m kg																*13090	8700	90
	-1.5 m kg																*14580	9500	84
	-3.0 m kg																*14890	11220	75
Boom: 7.0 m HD Arm: 2.55 m Shoe: 750 mm CWT: 10 600 kg	-4.5 m kg																*14610	*14610	62
	7.5 m kg																*12630	11410	80
	6.0 m kg																*12280	9680	88
	4.5 m kg																*12350	8760	93
	3.0 m kg																12630	8310	95
	1.5 m kg																12560	8230	94
	0 m kg																13050	8510	92
	-1.5 m kg																*14120	9290	86
	-3.0 m kg																*14180	10900	77
Boom: 7.0 m HD Arm: 3.0 m Shoe: 750 mm CWT: 10 600 kg	-4.5 m kg																*13550	*13550	64
	7.5 m kg																*10710	10510	84
	6.0 m kg																*10510	9020	92
	4.5 m kg																*10630	8190	96
	3.0 m kg																*11050	7770	98
	1.5 m kg																11780	7680	98
	0 m kg																12180	7910	95
	-1.5 m kg																13210	8550	90
	-3.0 m kg																*13730	9870	82
Boom: 7.0 m HD Arm: 3.0 m Shoe: 750 mm CWT: 10 600 kg	-4.5 m kg																*13570	12750	69
	7.5 m kg																*9400	*9400	88
	6.0 m kg																*9230	8580	95
	4.5 m kg																*9320	7840	10.0
	3.0 m kg																*9670	7460	10.2
	1.5 m kg																*10320	7370	10.1
	0 m kg																*11370	7560	9.9
	-1.5 m kg																12500	8120	9.4
	-3.0 m kg																*13360	9250	8.6
Boom: 7.0 m HD Arm: 3.35 m Shoe: 750 mm CWT: 10 600 kg	-4.5 m kg																*13390	11600	74
	-6.0 m kg																*12290	*12290	56
	9.0 m kg																*7930	*7930	8.4
	7.5 m kg																*7530	*7530	9.4
	6.0 m kg																*7410	*7410	10.1
	4.5 m kg																*7490	7250	10.5
	3.0 m kg																*7750	6910	10.7
	1.5 m kg																*8250	6810	10.6
	0 m kg																*9030	6960	10.4
Boom: 7.0 m HD Arm: 3.9 m Shoe: 750 mm CWT: 10 600 kg	-1.5 m kg	*11000	*11000	*15430	*15430	*28930	*22880	*21720	14800	*17040	10820	13090	8430				*10270	7410	9.9
	-3.0 m kg	*18010	*18010	*23640	*23640	*27750	23050	*21000	14820	*16520	10820	*13060	8500				*12390	8310	9.2
	-4.5 m kg	*26130	*26130	*33650	*33650	*24650	*23480	*18910	15080	*14560	11050						*12890	10080	81
	-6.0 m kg																*12560	*12560	64
	9.0 m kg																		
	7.5 m kg																		
	6.0 m kg																		
	4.5 m kg																		
	3.0 m kg																		
	1.5 m kg																		
	0 m kg																		
	-1.5 m kg																		
	-3.0 m kg																		
	-4.5 m kg																		
	-6.0 m kg																		
	9.0 m kg																		
	7.5 m kg																		
	6.0 m kg																		
	4.5 m kg																		
	3.0 m kg																		
	1.5 m kg																		
	0 m kg																		
	-1.5 m kg																		
	-3.0 m kg																		
	-4.5 m kg																		
	-6.0 m kg																		

Notes:

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

LIFTING CAPACITY EC550E

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 Point	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach			
		Along UC	Across UC	Along UC	Across UC	m													
Boom: 6.5 m ME Arm: 2.55 m Shoe: 600 mm CWT: 10 600 kg	9.0 m kg															*13710	*13710	6.1	
	7.5 m kg																*12460	*12460	7.4
	6.0 m kg																*12040	*12040	8.2
	4.5 m kg																*12100	11050	8.7
	3.0 m kg																*12560	10450	9.0
	1.5 m kg																*13500	10360	8.9
	0 m kg																14860	10790	8.6
	-1.5 m kg																*15260	11930	8.0
	-3.0 m kg																*15320	14430	7.1
	9.0 m kg																*11410	*11410	6.6
Boom: 6.5 m ME Arm: 3.0 m Shoe: 600 mm CWT: 10 600 kg	7.5 m kg																*10570	*10570	7.8
	6.0 m kg																*10290	*10290	8.6
	4.5 m kg																*10400	10330	9.1
	3.0 m kg																*10850	9790	9.3
	1.5 m kg																*11670	9680	9.3
	0 m kg																*13090	10020	9.0
	-1.5 m kg																*14580	10960	8.4
	-3.0 m kg																*14890	12970	7.5
	-4.5 m kg																*14610	*14610	6.2
	9.0 m kg																*12630	*12630	8.0
Boom: 7.0 m HD Arm: 2.55 m Shoe: 600 mm CWT: 10 600 kg	7.5 m kg																*12280	11070	8.8
	6.0 m kg																*12350	10030	9.3
	4.5 m kg																*12790	9540	9.5
	3.0 m kg																12970	9460	9.4
	1.5 m kg																13470	9800	9.2
	0 m kg																*14120	10700	8.6
	-1.5 m kg																*14180	12580	7.7
	-3.0 m kg																*13550	*13550	6.4
	-4.5 m kg																*10710	*10710	8.4
	7.5 m kg																*10510	10320	9.2
Boom: 7.0 m HD Arm: 3.0 m Shoe: 600 mm CWT: 10 600 kg	6.0 m kg																*10630	9390	9.6
	4.5 m kg																*11050	8940	9.8
	3.0 m kg																*11830	8850	9.8
	1.5 m kg																12570	9120	9.5
	0 m kg																*13490	9870	9.0
	-1.5 m kg																*13730	11400	8.2
	-3.0 m kg																*13570	*13570	6.9
	-4.5 m kg																*9400	*9400	8.8
	7.5 m kg																*9230	*9230	9.5
	6.0 m kg																*9320	8980	10.0
Boom: 7.0 m HD Arm: 3.35 m Shoe: 600 mm CWT: 10 600 kg	4.5 m kg																*9670	8570	10.2
	3.0 m kg																*10320	8480	10.1
	1.5 m kg																*11370	8710	9.9
	0 m kg																12910	9360	9.4
	-1.5 m kg																*13360	10670	8.6
	-3.0 m kg																*13390	*13390	7.4
	-4.5 m kg																*12290	*12290	5.6
	-6.0 m kg																*7930	*7930	8.4
	9.0 m kg																*7530	*7530	9.4
	7.5 m kg																*10910	*10910	10.1
Boom: 7.0 m HD Arm: 3.9 m Shoe: 600 mm CWT: 10 600 kg	6.0 m kg																*7490	*7490	10.5
	4.5 m kg																*24690	*24690	10.7
	3.0 m kg																*21740	*21740	10.6
	1.5 m kg																*22680	*22680	10.4
	0 m kg																*151000	*151000	9.9
	-1.5 m kg																*18010	*18010	9.2
	-3.0 m kg																*26130	*26130	8.1
	-4.5 m kg																*25190	*25190	6.4
	-6.0 m kg																*12560	*12560	6.4

Notes:

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

Specifications

LIFTING CAPACITY EC550E

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 Point	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach					
		Along UC	Across UC	Along UC	Across UC	m															
Boom: 6.5 m ME Arm: 2.55 m Shoe: 750 mm CWT: 10 600 kg	9.0 m kg															*13 710	*13 710	6.1			
	7.5 m kg															*12 460	*12 460	7.4			
	6.0 m kg							*15 460	*15 460	*14 090	*14 090					*12 040	*12 040	8.2			
	4.5 m kg					*23 390	*23 390	*17 640	*17 640	*15 010	14 220					*12 100	11 200	8.7			
	3.0 m kg							*19 980	19 140	*16 180	13 790					*12 560	10 600	9.0			
	1.5 m kg					*18 660	*18 660	*21 670	18 500	*17 140	13 440					*13 500	10 510	8.9			
	0 m kg					*28 330	*28 330	*22 260	18 200	*17 520	13 240					*14 930	10 940	8.6			
	-1.5 m kg			*21 630	*21 630	*28 310	*28 310	*21 610	18 180	*16 880	13 250					*15 260	12 090	8.0			
	-3.0 m kg			*32 180	*32 180	*25 040	*25 040	*19 280	18 450							*15 320	14 630	7.1			
	9.0 m kg															*11 410	*11 410	6.6			
Boom: 6.5 m ME Arm: 3.0 m Shoe: 750 mm CWT: 10 600 kg	7.5 m kg											*12 870	*12 870			*10 570	*10 570	7.8			
	6.0 m kg											*13 210	*13 210			*10 290	*10 290	8.6			
	4.5 m kg					*21 510	*21 510	*16 610	*16 610	*14 260	14 250	*11 970	10 680			*10 400	*10 400	9.1			
	3.0 m kg					*26 640	*26 640	*19 080	*19 080	*15 540	13 770	*13 620	10 480			*10 850	9 920	9.3			
	1.5 m kg					*25 960	*25 960	*21 030	18 450	*16 660	13 360	*14 110	10 280			*11 670	9 820	9.3			
	0 m kg					*30 000	28 340	*21 960	18 040	*17 270	13 090	*13 240	10 180			*13 090	10 170	9.0			
	-1.5 m kg					*21 810	*21 810	*28 870	28 380	*21 720	17 950	*17 020	13 030			*14 580	11 120	8.4			
	-3.0 m kg					*35 110	*35 110	*26 170	*26 170	*19 990	18 130	*15 060	13 260			*14 890	13 150	7.5			
	-4.5 m kg					*20 920	*20 920	*15 290	*15 290							*14 610	*14 610	6.2			
	7.5 m kg											*13 100	*13 100			*12 630	*12 630	8.0			
Boom: 7.0 m HD Arm: 2.55 m Shoe: 750 mm CWT: 10 600 kg	6.0 m kg											*13 640	*13 640			*12 280	11 220	8.8			
	4.5 m kg							*17 810	*17 810	*14 760	14 090	*13 250	10 670			*12 350	10 170	9.3			
	3.0 m kg							*20 160	18 770	*16 000	13 620	*13 770	10 460			*12 790	9 670	9.5			
	1.5 m kg							*21 670	18 170	*16 970	13 250	14 110	10 270			13 150	9 600	9.4			
	0 m kg					*16 090	*16 090	*22 070	17 920	*17 370	13 050	14 020	10 180			13 670	9 940	9.2			
	-1.5 m kg					*27 490	*27 490	*21 410	17 930	*16 940	13 030					*14 120	10 850	8.6			
	-3.0 m kg					*30 460	*30 460	*24 710	*24 710	*19 500	18 160	*15 020	13 270			*14 180	12 750	7.7			
	-4.5 m kg					*24 240	*24 240	*19 790	*19 790	*15 120	*15 120					*13 550	*13 550	6.4			
	7.5 m kg															*10 710	*10 710	8.4			
	6.0 m kg											*12 850	*12 850	*12 170	10 850		*10 510	10 460	9.2		
Boom: 7.0 m HD Arm: 3.0 m Shoe: 750 mm CWT: 10 600 kg	4.5 m kg					*22 740	*22 740	*16 800	*16 800	*14 050	*14 050	*12 600	10 650			*10 630	9 530	9.6			
	3.0 m kg							*19 280	18 810	*15 390	13 590	*13 260	10 390			*11 050	9 070	9.8			
	1.5 m kg							*21 700	18 100	*16 510	13 160	*13 850	10 160			*11 830	8 980	9.8			
	0 m kg					*19 930	*19 930	*21 810	17 740	*17 100	12 900	13 860	10 020			12 760	9 260	9.5			
	-1.5 m kg					*15 900	*15 900	*28 200	28 040	*21 490	17 680	*16 960	12 820	*13 550	10 040		*13 490	10 010	9.0		
	-3.0 m kg					*28 620	*28 620	*25 770	*25 770	*20 020	17 850	*15 680	12 970			*13 730	11 570	8.2			
	-4.5 m kg					*27 510	*27 510	*21 530	*21 530	*16 670	*16 670					*13 570	*13 570	6.9			
	7.5 m kg															*9 400	*9 400	8.8			
	6.0 m kg											*11 710	10 990			*9 230	*9 230	9.5			
	4.5 m kg							*16 180	*16 180	*13 650	*13 650	*12 270	10 760			*9 320	9 110	10.0			
Boom: 7.0 m HD Arm: 3.35 m Shoe: 750 mm CWT: 10 600 kg	3.0 m kg					*22 850	*22 850	*18 780	*18 780	*15 070	13 730	*13 020	10 480			*9 670	8 690	10.2			
	1.5 m kg					*16 420	*16 420	*20 780	18 290	*16 310	13 270	*13 700	10 230			*10 320	8 600	10.1			
	0 m kg					*20 970	*20 970	*21 780	17 860	*17 060	12 970	13 900	10 060			*11 370	8 840	9.9			
	-1.5 m kg					*15 720	*15 720	*28 880	28 060	*21 730	17 730	*17 110	12 850	*13 850	10 020		*13 060	9 500	9.4		
	-3.0 m kg					*20 300	*20 300	*26 320	*26 320	*26 750	*26 750	*20 560	17 840	*16 160	12 930		*13 360	10 830	8.6		
	-4.5 m kg					*30 200	*30 200	*22 960	*22 960	*17 760	*17 760					*13 390	*13 390	7.4			
	-6.0 m kg							*15 870	*15 870							*12 290	*12 290	5.6			
	9.0 m kg															*7 930	*7 930	8.4			
	7.5 m kg											*9 860	*9 860			*7 530	*7 530	9.4			
	6.0 m kg											*10 910	*10 910			*7 410	*7 410	10.1			
Boom: 7.0 m HD Arm: 3.9 m Shoe: 750 mm CWT: 10 600 kg	4.5 m kg											*12 820	*12 820	*11 590	10 830		*7 490	*7 490	10.5		
	3.0 m kg							*24 690	*24 690	*17 710	*17 710	*14 350	13 820	*12 450	10 510	*9 520	8 280	*7 750	*7 750	10.7	
	1.5 m kg							*21 740	*21 740	*20 000	18 400	*15 740	13 310	*13 270	10 220	*9 960	8 140	*8 250	7 970	10.6	
	0 m kg							*22 680	*22 680	*21 370	17 850	*16 710	12 940	*13 830	10 000		*9 030	8 160	10.4		
	-1.5 m kg					*11 000	*11 000	*15 430	*15 430	*28 930	27 830	*21 720	17 610	*17 040	12 750	13 730	9 890		*10 270	8 690	9.9
	-3.0 m kg					*18 010	*18 010	*23 640	*23 640	*27 750	*27 750	*21 000	17 630	*16 520	12 750	*13 060	9 960		*12 390	9 740	9.2
	-4.5 m kg					*26 130	*26 130	*33 650	*33 650	*24 650	*24 650	*18 910	17 900	*14 560	12 990			*12 890	11 810	8.1	
	-6.0 m kg					*25 190	*25 190	*19 020	*19 020	*14 120	*14 120					*12 560	*12 560	6.4			

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 EQUIPMENT		EC530E	EC550E
Engine			
Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU Stage V requirements	•	•	
Air filter with indicator	•	•	
Air intake heater	•	•	
Cyclone pre-cleaner	•	•	
Electric engine shut-off	•	•	
Fuel filter and water separator	•	•	
Fuel filler pump: 50 l/min, with automatic shut-off	•	•	
Alternator, 80 A	•	•	
Electric / Electronic control system			
Advanced mode control system	•	•	
Self-diagnostic system	•	•	
Machine status indication	•	•	
Engine speed sensing power control	•	•	
Automatic idling system	•	•	
One-touch power boost	•	•	
Safety stop/start function	•	•	
Adjustable LCD color monitor	•	•	
Master electrical disconnect switch	•	•	
Engine restart prevention circuit	•	•	
High-capacity halogen lights:	•	•	
Frame-mounted 2	•	•	
Boom-mounted 2	•	•	
Batteries, 2 x 12 V / 200 Ah	•	•	
Start motor, 24 V / 7 kW	•	•	
Frame			
3-point right-hand side access	•	•	
Full height, foldable handrail and guard rail	•	•	
Tool storage area	•	•	
Punched metal anti-slip plates	•	•	
Undercover (heavy-duty)	•	•	
Undercarriage			
Mechanically retractable wide width track gauge	—	•	
Mechanically retractable width track gauge	•	—	
Undercover (heavy-duty)	•	•	
Hydraulic track adjusters	•	•	
Greased and sealed track link	•	•	
Track Guard	•	•	
Hydraulic system			
New electro-hydraulic system with IMVT	•	•	
Hose rupture valve: boom, Arm	•	•	
Overload warning device	•	•	
2-pump flow bucket circuit	•	•	
Swing anti-rebound valves	•	•	
Boom and arm holding valves	•	•	
Multi-stage filtering system	•	•	
Cylinder cushioning	•	•	
Cylinder contamination seals	•	•	
Auxiliary hydraulic valve	•	•	
Automatic two-speed travel motors	•	•	
Hydraulic oil, ISO VG 46	•	•	
Automatic hydraulic oil warm-up	•	•	

STANDARD EQUIPMENT		EC530E	EC550E
Cab and interior			
ROPS (ISO12117-2) certified cab	•	•	
Silicon oil and rubber mounts with spring	•	•	
Travel pedals and hand levers	•	•	
Adjustable operator seat and joystick control console	•	•	
Control joysticks with 4 switches each	•	•	
Heater & air-conditioner, automatic	•	•	
Flexible antenna	•	•	
Radio with MP3 & USB Jack with bluetooth	•	•	
Hydraulic safety lock lever	•	•	
Cab, all-weather sound suppressed, includes:	•	•	
- Cup holders	•	•	
- Door locks	•	•	
- Tinted glass	•	•	
- Floor mat	•	•	
- Horn	•	•	
- Large storage area	•	•	
- Pull-up type front window	•	•	
- Removable lower windshield	•	•	
- Seat belt	•	•	
- Safety glass	•	•	
- Sun screens, front, roof, rear	•	•	
- Rain shield	•	•	
- Windshield wiper with intermittent feature	•	•	
- Rear and side view camera	•	•	
- Master key	•	•	
Track shoes			
600 mm with double grousers	•	•	
Digging equipment			
Boom: 7.0 m HD	•	•	
Arm: 3.35 m HD	•	•	
Manual centralized lubrication	•	•	

Equipment

OPTIONAL EQUIPMENT		EC530E	EC550E
Engine			
Block heater: 120 V, 240 V	•	•	
Oil bath pre-cleaner	•	•	
Diesel coolant heater, 10 kW	•	•	
Water separator with heater	•	•	
Auto engine shutdown	•	•	
Delayed engine Shutdown	•	•	
Reversible fan drive	•	•	
Fuel tank-fast fuel fill preparation	•	•	
Electric			
Extra work lights: Halogen or LED :	•	•	
- Cab-mounted 3	•	•	
- Boom-mounted 2	•	•	
- Counterweight-mounted 1	•	•	
Travel alarm	•	•	
Anti-theft system	•	•	
Flashing beacon, LED	•	•	
Green light beacon	•	•	
Jump start connector, NATO	•	•	
Dig Assist : 2D, In-Field Design and 3D	•	•	
On-Board Weighing	•	•	
Volvo Smart View	•	•	
Frame			
Hydraulic removable counterweight	•	•	
Service walk way, foldable	•	•	
Cab entrance, foldable	•	•	
Undercarriage			
Full track guard	•	•	
Hydraulic system			
Boom float function	•	•	
Hydraulic piping:	•	•	
- Work tool management system (up to 32 programmable memories)	•	•	
Hammer & shear:	•	•	
- 1 and 2 pump flow	•	•	
- Variable flow and pressure pre-setting	•	•	
- Additional return filter	•	•	
Slope & rotator	•	•	
Grapple	•	•	
Oil leak (drain) line	•	•	
Quick coupler piping	•	•	
Volvo hydraulic quick coupler S3	•	•	
Volvo hydraulic quick coupler VQC-HU	•	•	
Hydraulic oil, ISO VG 32	•	•	
Hydraulic oil, ISO VG 46	•	•	
Hydraulic oil, ISO VG 68	•	•	
Hydraulic oil, biodegradable 46	•	•	
Hydraulic oil, longlife oil 32	•	•	
Hydraulic oil, longlife oil 46	•	•	
Hydraulic oil, longlife oil 68	•	•	

OPTIONAL EQUIPMENT		EC530E	EC550E
Cab and interior			
Fabric seat with heater	•	•	
Fabric seat with heater and air suspension	•	•	
Delux seat with multiple adjusting arm rest	•	•	
Joystick pattern change	•	•	
Comfort Driving Control	•	•	
Creep travel speed	•	•	
Opening top hatch	•	•	
Falling object guard (FOG) :	•	•	
- Frame-mounted	•	•	
- Cab-mounted	•	•	
Cab-mounted falling object protective structure (FOPS)	•	•	
Smoker kit (ashtray and lighter)	•	•	
Safety net for front window	•	•	
Safety net for lower front window	•	•	
Lower wiper with intermittent control	•	•	
Anti-vandalism kit	•	•	
Specific key	•	•	
One piece front window	•	•	
High visibility cab	•	•	
Track shoes			
Track shoes 600/750/900 mm with triple grousers	•	•	
Track shoes 600 mm with double grousers	•	•	
Digging equipment			
Boom: 6.5 m ME	•	•	
Arm: 2.55 m, 3.0 m, 3.9 m	•	•	
Linkage with lifting eye	•	•	
Service			
Tool kit, daily maintenance	•	•	
Tool kit, full scale	•	•	
Automatic lubrication system	•	•	
Cleaning air gun	•	•	
Air pressure supply in cabin	•	•	
Caretrack	•	•	

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Deluxe seat**Climate control with HEPA filter****Reversible cooling fan****Foldable walkway****Fast fuel filling preparation****Dig Assist apps, powered by Volvo Co-Pilot**

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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