

Volvo Construction Equipment  
Building Tomorrow



# EC530E, EC550E

Volvo Excavators 52.5 - 56.3 t / 115,830 - 124,050 lb 456 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. The narrower, shorter fixed EC530E undercarriage is easy to transport, and has transportation dimensions close to the smaller EC480E.



## 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

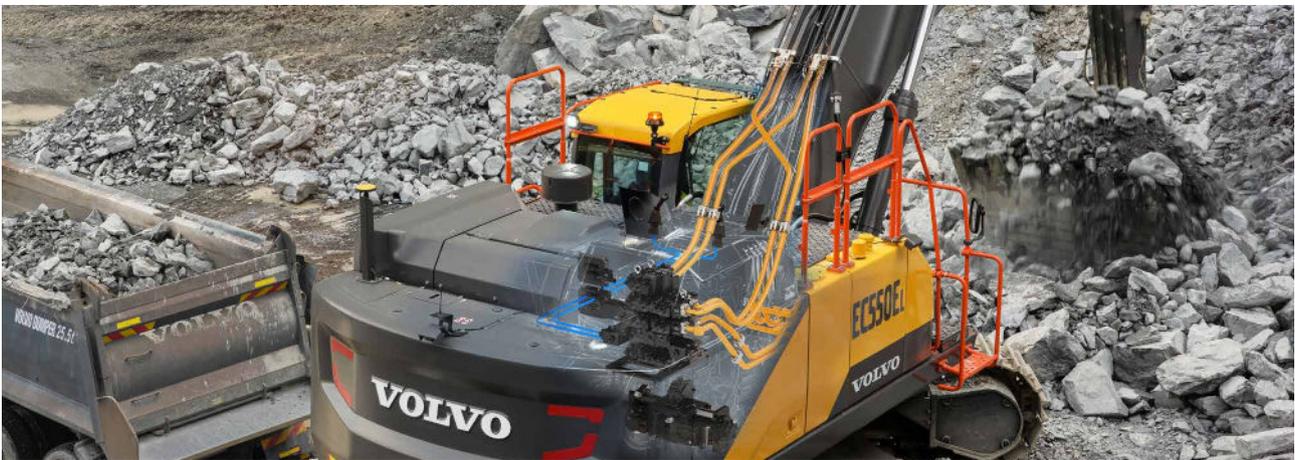
Take fuel efficiency to new levels in the EC530E and EC550E. The next generation electro-hydraulic system with Independent Metering Valve Technology produces up to a 25% improvement in fuel efficiency. Engine pump optimization, which lowers engine rpm while optimizing power, and optimized hydraulic piping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



## 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 no hydraulic pilot lines enable a range of intelligent functions which take the operator experience to new levels, including creep mode, motion priority functions, reduced bouncing and optional 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

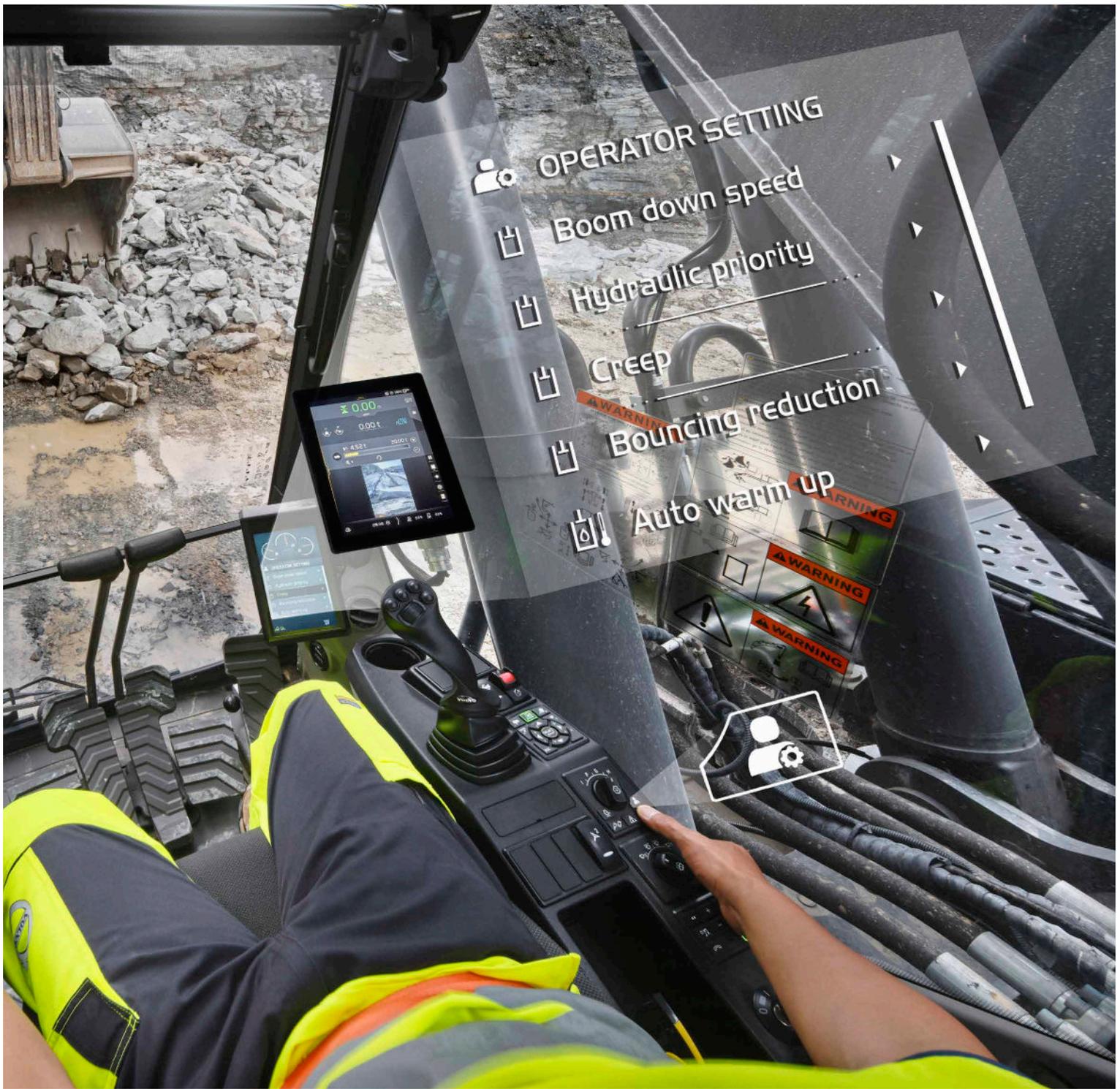
For easy operation and reduced operator fatigue, Comfort Drive Control gives operators the opportunity to steer the machine using the advanced joystick rollers with index finger grip, instead of using the pedals.



## A smoother shift

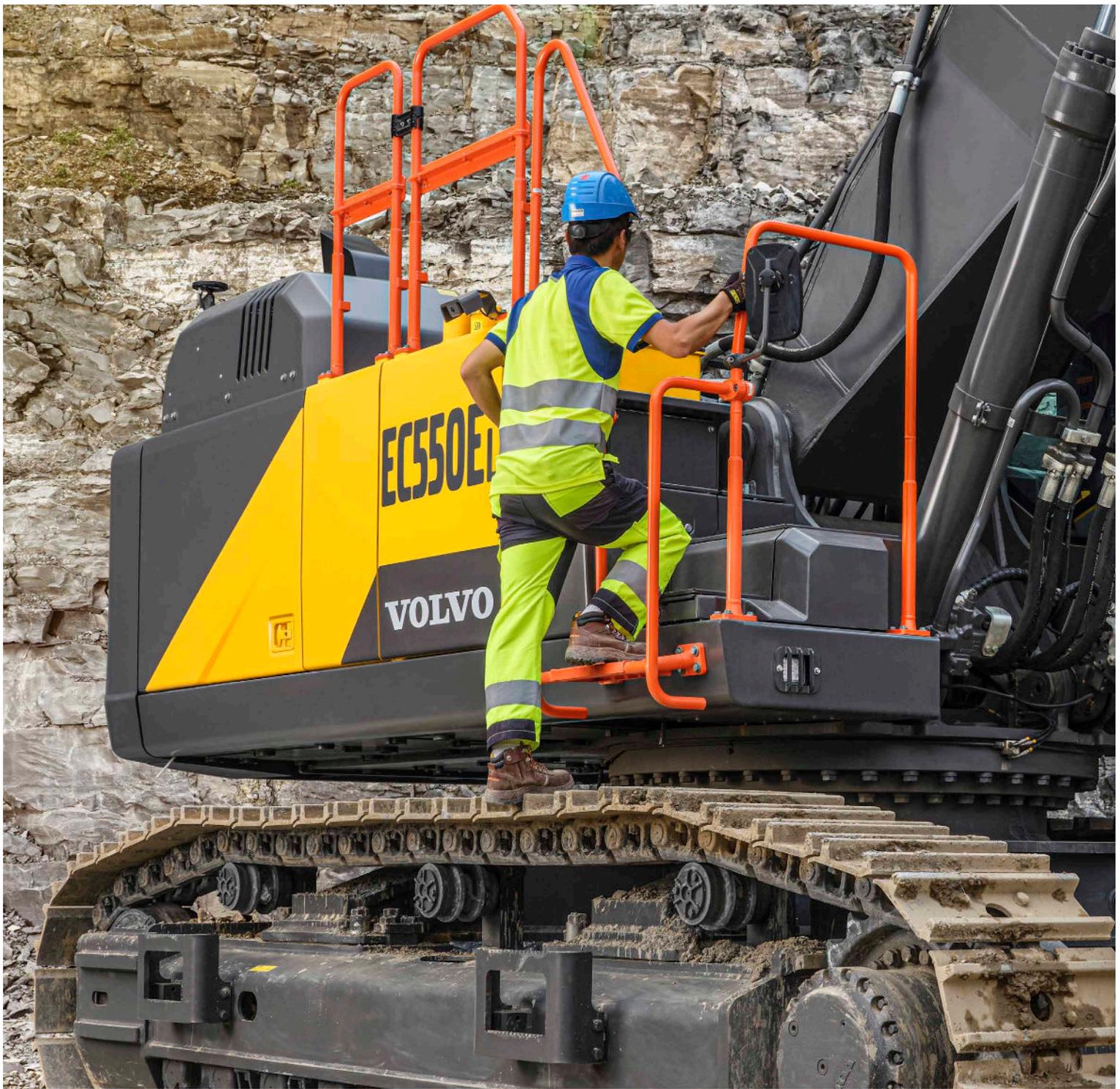
Boom and arm bouncing reduction technology dramatically reduces machine shock, resulting in a more comfortable and productive operator performance.





# 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 DEF tank. A splash guard on the DEF 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 can work in complete confidence thanks to Volvo Smart View. The system uses front, rear and side cameras to provide a real-time, overhead view of the machine during operation on the colour monitor. The result is 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 windshield 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 ActiveCare Direct. Our Volvo Uptime Center will provide telematics monitoring, supplying fleet utilization reporting 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

## 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

## TRUE 50-TONNE PERFORMANCE

- Bigger 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



## VOLVO SERVICES: BOOST YOUR PROFITS

- On-Board Weighing, powered by Dig Assist
- Range of matched Volvo Attachments
- Volvo Site Simulation
- ActiveCare Direct: telematics monitoring and fleet utilization reporting



## QUICK AND EASY SERVICING

- 3-point right-hand side access to the upper structure
- Removed hydraulic pilot lines
- Splash guard on the DEF tank
- Grouped filters, accessed from ground-level or side walkway

## GET AROUND SAFELY

- ROPS cab: spacious, ergonomic and low-noise
- Volvo Smart View camera
- 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 (r/s)	1,600 (27)
Net, ISO 9249/SAE J1349	kW (hp)	339 (455)
Gross, ISO 14396/SAE J1995	kW (hp)	340 (456)
Max torque	Nm (ft lbf)	2,200 (1,623)
at engine speed	r/min (r/s)	1,300 (22)
No. of cylinders		6
Displacement	l (in <sup>3</sup> )	12.8 (781)
Bore	mm (in)	131 (5.16)
Stroke	mm (in)	158 (6.22)

## 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 (in)	228.6 (9)
Shoe width, triple grouser	mm (in)	600 / 750 / 900 (24 / 30 / 36)
Shoe width, double grouser	mm (in)	900 (36)
Bottom rollers		2 x 9
Top rollers		2 x 2

### EC550E

Track shoes		2 x 51
Link pitch	mm (in)	228.6 (9)
Shoe width, triple grouser	mm (in)	600 / 750 / 900 (24 / 30 / 36)
Shoe width, double grouser	mm (in)	900 (36)
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 CO<sub>2</sub>-eq.

## Hydraulic system

<b>Main pump, Type 2 x Variable displacement axial piston pumps</b>		
Maximum flow	l/min (gal/min)	2 x 416 (2 x 110)
<b>Pilot pump, Type Gear pump</b>		
Maximum flow	l/min (gal/min)	16 (4.2)
<b>Max. pressure</b>		
Implement	MPa (psi)	33.8/36.3 (4,910/5,260)
Travel circuit	MPa (psi)	33.8 (4,910)
Slew circuit	MPa (psi)	27.9 (4,050)
Pilot circuit	MPa (psi)	3.9 (570)

## 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 (ø x in)	175 x 1 590 (6.9 x 62.6)
Arm		1
Bore x Stroke	ø x mm (ø x in)	190 x 1 942 (7.5 x 76.5)
Bucket		1
Bore x Stroke	ø x mm (ø x in)	170 x 1 330 (6.7 x 52.4)
ME Bucket		1
Bore x Stroke	ø x mm (ø x in)	180 x 1 335 (7.1 x 52.6)

## 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 (ft lbf)	197 (145,300)

## 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 (lbf)	350 (78,683)
Max. travel speed (low)	km/h (mi/h)	3.5 (2.2)
Max. travel speed (high)	km/h (mi/h)	5.4 (3.4)
Gradeability	°	35

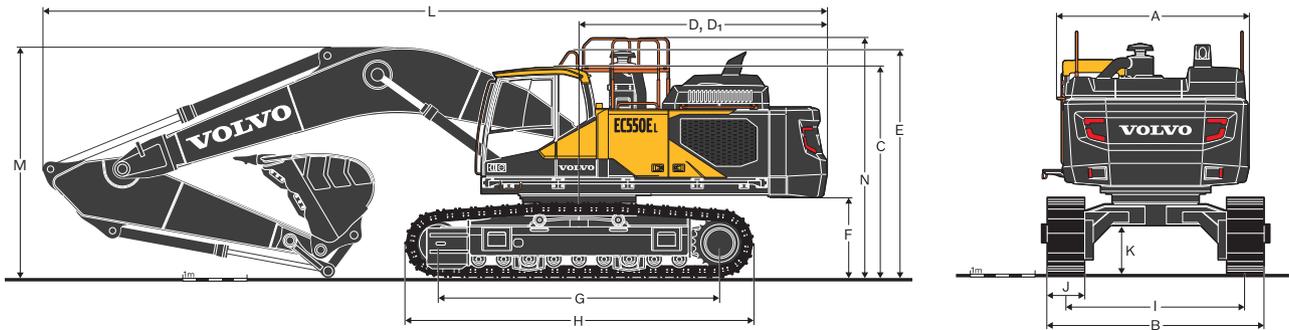
## Service Refill

Fuel tank	l (gal)	680 (180)
DEF/AdBlue® tank	l (gal)	62.5 (17)
Hydraulic system, total	l (gal)	590 (156)
Hydraulic tank	l (gal)	270 (71)
Engine oil	l (gal)	55 (15)
Engine coolant	l (gal)	66 (17)
Slew reduction unit	l (gal)	2 x 6.4 (2 x 1.7)
Travel reduction unit	l (gal)	2 x 8.0 (2 x 2.1)

## Sound Level

Sound pressure level in cab according to ISO 6396		
L <sub>pA</sub>	dB	71
External sound level according to ISO 6395 and EU Noise Directive 2000/14/EC		
L <sub>WA</sub>	dB	107

# Specifications



## DIMENSIONS

Description	Unit		EC530E fixed undercarriage											
			6.5, 21'4"				7.0, 23'0"							
Boom	m, ft in													
Arm	m, ft in		2.55	8'4"	3.0	9'10"	2.55	8'4"	3.0	9'10"	3.35	11'0"	3.9	12'10"
A. Overall width of upper structure	mm	ft in	2,990	9'10"	2,990	9'10"	2,990	9'10"	2,990	9'10"	2,990	9'10"	2,990	9'10"
B. Overall width	mm	ft in	3,290	10'10"	3,290	10'10"	3,290	10'10"	3,290	10'10"	3,290	10'10"	3,290	10'10"
C. Overall height of cab *	mm	ft in	3,265	10'9"	3,265	10'9"	3,265	10'9"	3,265	10'9"	3,265	10'9"	3,265	10'9"
D. Tail swing radius	mm	ft in	3,880	12'9"	3,880	12'9"	3,880	12'9"	3,880	12'9"	3,880	12'9"	3,880	12'9"
D1. Tail length without removable counterweight	mm	ft in	3,575	11'9"	3,575	11'9"	3,575	11'9"	3,575	11'9"	3,575	11'9"	3,575	11'9"
E. Overall height of Handrail *	mm	ft in	3,515	11'6"	3,515	11'6"	3,515	11'6"	3,515	11'6"	3,515	11'6"	3,515	11'6"
F. Counterweight clearance *	mm	ft in	1,220	4'0"	1,220	4'0"	1,220	4'0"	1,220	4'0"	1,220	4'0"	1,220	4'0"
G. Tumbler length	mm	ft in	4,400	14'5"	4,400	14'5"	4,400	14'5"	4,400	14'5"	4,400	14'5"	4,400	14'5"
H. Track length	mm	ft in	5,460	17'11"	5,460	17'11"	5,460	17'11"	5,460	17'11"	5,460	17'11"	5,460	17'11"
I. Track gauge	mm	ft in	2,740	9'0"	2,740	9'0"	2,740	9'0"	2,740	9'0"	2,740	9'0"	2,740	9'0"
J. Shoe width	mm	in	900	36"	900	36"	900	36"	900	36"	900	36"	900	36"
K. Min. ground clearance *	mm	ft in	490	1'7"	490	1'7"	490	1'7"	490	1'7"	490	1'7"	490	1'7"
L. Overall length	mm	ft in	11,765	38'7"	11,760	38'7"	12,270	40'3"	12,270	40'3"	12,270	40'3"	12,265	40'3"
M. Overall height of boom *	mm	ft in	4,330	14'2"	4,290	14'1"	4,155	13'8"	3,970	13'0"	3,885	12'9"	3,930	12'11"
N. Overall height of guardrail, unfolded	mm	ft in	3,715	12'2"	3,715	12'2"	3,715	12'2"	3,715	12'2"	3,715	12'2"	3,715	12'2"
N. Overall height of guardrail, folded	mm	ft in	3,230	10'7"	3,230	10'7"	3,230	10'7"	3,230	10'7"	3,230	10'7"	3,230	10'7"

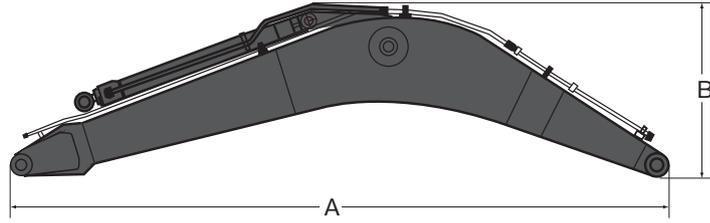
\* Without shoe grouser

## DIMENSIONS

Description	Unit		EC550E wide retractable undercarriage											
			6.5, 21'4"				7.0, 23'0"							
Boom	m, ft in													
Arm	m, ft in		2.55	8'4"	3.0	9'10"	2.55	8'4"	3.0	9'10"	3.35	11'0"	3.9	12'10"
A. Overall width of upper structure	mm	ft in	2,990	9'10"	2,990	9'10"	2,990	9'10"	2,990	9'10"	2,990	9'10"	2,990	9'10"
B. Overall width (retracted)	mm	ft in	3,700	12'2"	3,700	12'2"	3,700	12'2"	3,700	12'2"	3,700	12'2"	3,700	12'2"
Overall width (extended)	mm	ft in	4,200	13'9"	4,200	13'9"	4,200	13'9"	4,200	13'9"	4,200	13'9"	4,200	13'9"
C. Overall height of cab	mm	ft in	3,415	11'2"	3,415	11'2"	3,415	11'2"	3,415	11'2"	3,415	11'2"	3,415	11'2"
D. Tail swing radius	mm	ft in	3,880	12'9"	3,880	12'9"	3,880	12'9"	3,880	12'9"	3,880	12'9"	3,880	12'9"
D1. Tail length without removable counterweight	mm	ft in	3,575	11'9"	3,575	11'9"	3,575	11'9"	3,575	11'9"	3,575	11'9"	3,575	11'9"
E. Overall height of Handrail	mm	ft in	3,670	12'0"	3,670	12'0"	3,670	12'0"	3,670	12'0"	3,670	12'0"	3,670	12'0"
F. Counterweight clearance *	mm	ft in	1,370	4'6"	1,370	4'6"	1,370	4'6"	1,370	4'6"	1,370	4'6"	1,370	4'6"
G. Tumbler length	mm	ft in	4,515	14'10"	4,515	14'10"	4,515	14'10"	4,515	14'10"	4,515	14'10"	4,515	14'10"
H. Track length	mm	ft in	5,580	18'4"	5,580	18'4"	5,580	18'4"	5,580	18'4"	5,580	18'4"	5,580	18'4"
I. Track gauge (retracted)	mm	ft in	2,800	9'2"	2,800	9'2"	2,800	9'2"	2,800	9'2"	2,800	9'2"	2,800	9'2"
Track gauge (extended)	mm	ft in	3,300	10'10"	3,300	10'10"	3,300	10'10"	3,300	10'10"	3,300	10'10"	3,300	10'10"
J. Shoe width	mm	in	900	36"	900	36"	900	36"	900	36"	900	36"	900	36"
K. Min. ground clearance *	mm	ft in	735	2'5"	735	2'5"	735	2'5"	735	2'5"	735	2'5"	735	2'5"
L. Overall length	mm	ft in	11,770	38'7"	11,760	38'7"	12,270	40'3"	12,260	40'3"	12,240	40'2"	12,235	40'2"
M. Overall height of boom *	mm	ft in	4,400	14'5"	4,340	14'3"	4,200	13'9"	4,010	13'2"	3,910	12'10"	3,930	12'11"
N. Overall height of guardrail, unfolded	mm	ft in	3,870	12'8"	3,870	12'8"	3,870	12'8"	3,870	12'8"	3,870	12'8"	3,870	12'8"
N. Overall height of guardrail, folded	mm	ft in	3,385	11'1"	3,385	11'1"	3,385	11'1"	3,385	11'1"	3,385	11'1"	3,385	11'1"

\* Without shoe grouser

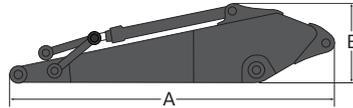
# Specifications



## DIMENSIONS

Boom	m	ft in	6.5	21'4"	7.0	23'0"
A. Length	mm	ft in	6,780	22'3"	7,280	23'11"
B. Height	mm	ft in	1,910	6'3"	1,785	5'10"
Width	mm	ft in	906	3'0"	906	3'0"
Weight*	kg	lb	5,140	11,330	5,025	11,080

\* Includes arm cylinder, piping and pin



## DIMENSIONS

Arm	m	ft in	2.55	8'4"	3.0	9'10"	3.35	11'0"	3.9	12'10"
A. Length	mm	ft in	3,805	12'6"	4,270	14'0"	4,620	15'2"	5,170	17'0"
B. Height	mm	ft in	1,260	4'2"	1,260	4'2"	1,260	4'2"	1,260	4'2"
Width	mm	ft in	605	2'0"	605	2'0"	605	2'0"	605	2'0"
Weight*	kg	lb	2,710	5,980	2,920	6,440	2,875	6,340	3,030	6,680

\* Includes bucket cylinder, linkage and pin

## MACHINE WEIGHTS AND GROUND PRESSURE

Description	<b>EC530E with FIXED undercarriage, 7.0 m (23'0") boom, 3.35 m (11'0") arm, 2,800 kg (6,170 lb) bucket, 10,600 kg (23,370 lb) counterweight*</b>										<b>EC550E with WIDE RETRACTABLE undercarriage, 7.0 m (23'0") boom, 3.35 m (11'0") arm, 2,800 kg (6,170 lb) bucket, 10,600 kg (23,370 lb) counterweight*</b>			
	Shoe width		Operating weight		Ground pressure		Operating weight		Ground pressure					
	mm	in	kg	lb	kPa	psi	kg	lb	kPa	psi				
Triple grouser	600	24	52,660	116,120	90.2	13.1	54,660	120,530	91.4	13.2				
	750	30	53,440	117,840	73.2	10.6	55,460	122,290	74.2	10.8				
	900	36	54,220	119,560	61.9	9.0	56,260	124,050	62.7	9.1				
Double grouser	600	24	52,530	115,830	90.0	13.0	54,530	120,240	91.2	13.2				

\*Fixed counterweight: 10,600 kg (23,370 lb).

Removable counterweight: 10,600 kg / 23,370 lb counterweight ( 1,140 kg, 2,514 lb non-removable linkage with removable 9,460 kg, 20,856 lb counterweight)

**BUCKET SELECTION GUIDE**

Bucket type		Capacity		Cutting width (inner)		Weight		Teeth	EC530EL fixed undercarriage						
									900 mm (36") shoe, 10,600 kg (23,370 lb) counterweight						
		6.5 m (21'4") boom			7.0 m (23') boom										
		m <sup>3</sup>	yd <sup>3</sup>	mm	in	kg	lb	EA	2.55 m (8'4")	3.0 m (9'10")	2.55 m (8'4")	3.0 m (9'10")	3.35 m (11')	3.9 m (12'10")	
Direct fit Buckets	General Purpose	2.84	3.71	1,700	67	2,543	5,606	5	C	C	C	C	C	B	
		3.31	4.33	1,952	77	2,830	6,239	6	C	C	C	B	B	A	
		4.20	5.49	2,134	84	3,465	7,639	6	B	A	A	-	-	-	
	Heavy Duty	2.40	3.14	1,474	58	2,488	5,485	5	D	D	D	D	D	C	
		2.66	3.48	1,603	63	2,576	5,679	5	D	D	D	D	C	C	
		2.84	3.71	1,700	67	2,671	5,889	5	D	D	D	C	C	B	
		3.31	4.33	1,952	77	2,973	6,554	6	C	C	C	B	B	A	
		3.82	5.00	2,134	84	3,219	7,097	6	B	B	B	A	A	-	
		2.84	3.71	1,700	67	3,280	7,231	4	D	D	C	C	B	B	
	Extra Duty	3.31	4.33	1,952	77	3,632	8,007	5	C	B	B	A	A	-	
		2.84	3.71	1,700	67	2,543	5,606	5	C	C	C	B	B	A	
		3.31	4.33	1,952	77	2,830	6,239	6	C	B	B	A	A	-	
Direct fit Buckets with UQC	General Purpose	4.20	5.49	2,134	84	3,465	7,639	6	A	-	-	-	-	-	
		2.40	3.14	1,474	58	2,488	5,485	5	D	D	D	D	C	B	
		2.66	3.48	1,603	63	2,576	5,679	5	D	D	D	C	C	B	
	Heavy Duty	2.84	3.71	1,700	67	2,671	5,889	5	D	C	C	B	B	A	
		3.31	4.33	1,952	77	2,973	6,554	6	C	B	B	A	A	-	
		3.82	5.00	2,134	84	3,219	7,097	6	B	A	A	-	-	-	
		2.84	3.71	1,700	67	3,280	7,231	4	C	C	B	B	A	-	
		3.31	4.33	1,952	77	3,632	8,007	5	B	A	A	-	-	-	
		2.84	3.71	1,700	67	2,543	5,606	5	C	C	C	C	C	C	
	Direct fit Buckets	General Purpose	3.31	4.33	1,952	77	2,830	6,239	6	C	C	C	C	C	C
			4.20	5.49	2,134	84	3,465	7,639	6	C	C	C	B	B	A
			2.40	3.14	1,474	58	2,488	5,485	5	D	D	D	D	D	D
Heavy Duty		2.66	3.48	1,603	63	2,576	5,679	5	D	D	D	D	D	D	
		2.84	3.71	1,700	67	2,671	5,889	5	D	D	D	D	D	D	
		3.31	4.33	1,952	77	2,973	6,554	6	D	D	D	D	D	C	
		3.82	5.00	2,134	84	3,219	7,097	6	D	D	D	C	C	B	
		2.84	3.71	1,700	67	3,280	7,231	4	D	D	D	D	D	D	
		3.31	4.33	1,952	77	3,632	8,007	5	D	D	D	D	C	B	
Direct fit Buckets with UQC		General Purpose	2.84	3.71	1,700	67	2,543	5,606	5	C	C	C	C	C	C
			3.31	4.33	1,952	77	2,830	6,239	6	C	C	C	C	C	B
			4.20	5.49	2,134	84	3,465	7,639	6	C	B	B	B	A	-
	Heavy Duty	2.40	3.14	1,474	58	2,488	5,485	5	D	D	D	D	D	D	
		2.66	3.48	1,603	63	2,576	5,679	5	D	D	D	D	D	D	
		2.84	3.71	1,700	67	2,671	5,889	5	D	D	D	D	D	D	
		3.31	4.33	1,952	77	2,973	6,554	6	D	D	D	C	C	B	
		3.82	5.00	2,134	84	3,219	7,097	6	D	C	C	B	B	A	
		2.84	3.71	1,700	67	3,280	7,231	4	D	D	D	D	D	C	
	Extra Duty	3.31	4.33	1,952	77	3,632	8,007	5	D	D	C	C	B	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/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)  
 C: 1,800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)  
 B: 1,500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)  
 A: 1,200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)

# Specifications

## WORKING RANGE

### FIXED UNDERCARRIAGE

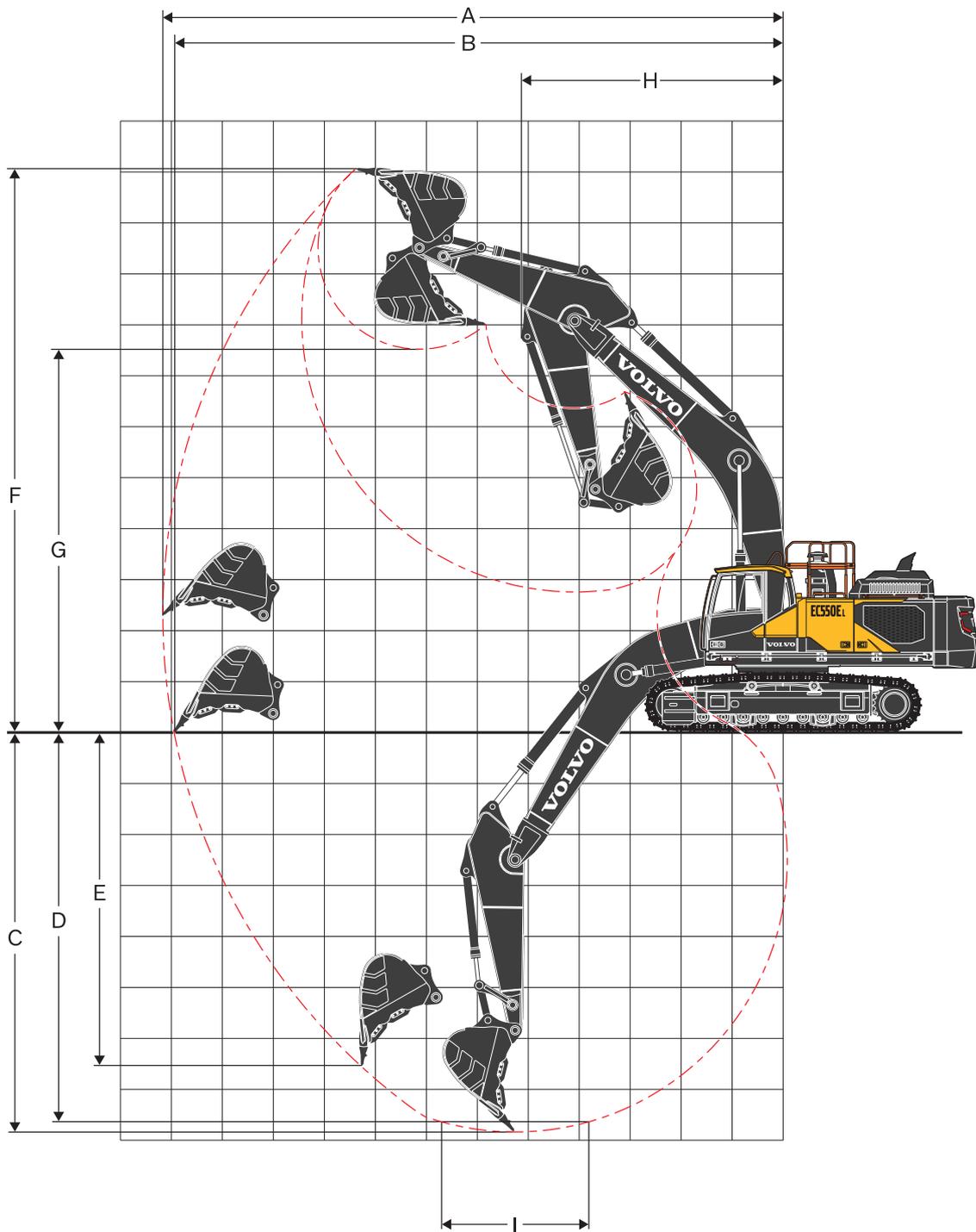
Description	Unit		EC530E											
	m, ft in		6.5, 21'4"				7.0, 23'0"							
	m	ft in	2.55	8'4"	3.0	9'10"	2.55	8'4"	3.0	9'10"	3.35	11'0"	3.9	12'10"
A. Max. digging reach	mm	ft in	10,970	36'0"	11,330	37'2"	11,490	37'8"	11,850	38'11"	12,180	40'0"	12,680	41'7"
B. Max. digging reach on ground	mm	ft in	10,720	35'2"	11,090	36'5"	11,250	36'11"	11,620	38'1"	11,950	39'2"	12,460	40'11"
C. Max. digging depth	mm	ft in	6,600	21'8"	7,050	23'2"	7,040	23'1"	7,480	24'6"	7,830	25'8"	8,390	27'6"
D. Max. digging depth (2.44 m / 8'0" level)	mm	ft in	6,440	21'2"	6,900	22'8"	6,880	22'7"	7,330	24'1"	7,690	25'3"	8,270	27'2"
E. Max. vertical wall digging depth	mm	ft in	5,830	19'2"	6,000	19'8"	6,130	20'1"	6,250	20'6"	6,550	21'6"	6,990	22'11"
F. Max. cutting height	mm	ft in	10,590	34'9"	10,590	34'9"	10,910	35'10"	10,910	35'10"	11,070	36'4"	11,220	36'10"
G. Max. dumping height	mm	ft in	6,940	22'9"	7,010	23'0"	7,300	23'11"	7,370	24'2"	7,520	24'8"	7,700	25'3"
H. Min. front swing radius	mm	ft in	4,810	15'9"	4,780	15'8"	5,210	17'1"	5,170	17'0"	5,140	16'10"	5,050	16'7"

### WIDE RETRACTABLE UNDERCARRIAGE

Description	Unit		EC550E											
	m, ft in		6.5, 21'4"				7.0, 23'0"							
	m	ft in	2.55	8'4"	3.0	9'10"	2.55	8'4"	3.0	9'10"	3.35	11'0"	3.9	12'10"
A. Max. digging reach	mm	ft in	10,970	36'0"	11,330	37'2"	11,490	37'8"	11,850	38'11"	12,180	40'0"	12,680	41'7"
B. Max. digging reach on ground	mm	ft in	10,690	35'1"	11,060	36'3"	11,220	36'10"	11,590	38'0"	11,930	39'2"	12,430	40'9"
C. Max. digging depth	mm	ft in	6,450	21'2"	6,900	22'8"	6,890	22'7"	7,340	24'1"	7,690	25'3"	8,240	27'0"
D. Max. digging depth (2.44 m / 8'0" level)	mm	ft in	6,280	20'7"	6,750	22'2"	6,720	22'1"	7,190	23'7"	7,550	24'9"	8,110	26'7"
E. Max. vertical wall digging depth	mm	ft in	5,680	18'8"	5,850	19'2"	5,980	19'7"	6,090	19'12"	6,410	21'0"	6,840	22'5"
F. Max. cutting height	mm	ft in	10,740	35'3"	10,740	35'3"	11,060	36'3"	11,060	36'3"	11,210	36'9"	11,380	37'4"
G. Max. dumping height	mm	ft in	7,100	23'4"	7,160	23'6"	7,450	24'5"	7,510	24'8"	7,760	25'6"	7,850	25'9"
H. Min. front slew radius	mm	ft in	4,810	15'9"	4,780	15'8"	5,210	17'1"	5,170	17'0"	5,140	16'10"	5,050	16'7"

### DIGGING FORCES WITH DIRECT FIT BUCKET

Bucket radius		mm	in	1,965	77"	1,965	77"	1,840	72"	1,840	72"	1,840	72"	1,840	72"
Breakout force - bucket	Normal	SAE J1179	kN	267	60,050	267	60,050	251	56,450	251	56,450	251	56,450	251	56,450
	Power boost	SAE J1179	kN	287	64,550	287	64,550	269	60,500	269	60,500	269	60,500	269	60,500
	Normal	ISO 6015	kN	307	69,050	307	69,050	287	64,550	287	64,550	287	64,550	287	64,550
	Power boost	ISO 6015	kN	329	74,000	329	74,000	308	69,270	308	69,270	308	69,270	308	69,270
Tearout force - dipper arm	Normal	SAE J1179	kN	247	55,550	227	51,050	258	58,030	236	53,080	220	49,480	196	44,080
	Power boost	SAE J1179	kN	265	59,600	243	54,650	277	62,300	253	56,900	235	52,850	210	47,230
	Normal	ISO 6015	kN	256	57,580	233	52,400	264	59,380	241	54,200	223	50,150	199	44,760
	Power boost	ISO 6015	kN	274	61,630	250	56,230	284	63,870	258	58,030	240	53,980	213	47,910
Rotation angle, bucket			°	168	168	178	178	178	178	178	178	178	178	178	178



# Specifications

## LIFTING CAPACITY EC530E Fixed undercarriage

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, 5 ft		3.0 m, 10 ft		4.5 m, 15 ft		6.0 m, 20 ft		7.5 m, 25 ft		9.0 m, 30 ft		10.5 m, 35 ft		Max. reach				
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.		
Boom: 6.5 m (21'4") Arm: 2.55 m (8'4") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m kg																*12,519	12,510	7.3 m	
	25 ft lb																	*27,600	27,580	24.0 ft
	6.0 m kg								*15,232	*15,232	*14,002	11,580						*12,043	10,256	8.2 m
	20 ft lb								*33,580	*33,580	*30,870	25,530						*26,550	22,610	26.9 ft
	4.5 m kg						*22,720	*22,720	*17,300	15,722	*14,823	11,263						*12,070	9,113	8.7 m
	15 ft lb						*50,090	*50,090	*38,140	34,660	*32,680	24,830						*26,610	20,090	28.6 ft
	3.0 m kg						*26,925	22,348	*19,591	14,914	*15,939	10,868						*12,528	8,564	9.0 m
	10 ft lb						*59,360	49,270	*43,190	32,880	*35,140	23,960						*27,620	18,880	29.4 ft
	1.5 m kg						*20,761	*20,761	*21,278	14,324	*16,874	10,541						*13,467	8,459	8.9 m
	5 ft lb						*45,770	*45,770	*46,910	31,580	*37,200	23,240						*29,690	18,650	29.3 ft
	0 m kg						*29,515	21,355	*21,890	14,034	17,041	10,356						14,252	8,791	8.6 m
	0 ft lb						*65,070	47,080	*48,260	30,940	37,570	22,830						31,420	19,380	28.3 ft
	-1.5 m kg			*22,326	*22,326	*27,896	21,487	*21,246	14,021	*16,511	10,374							*15,263	9,725	8.0 m
	-5 ft lb			*49,220	*49,220	*61,500	47,370	*46,840	30,910	*36,400	22,870							*33,650	21,440	26.3 ft
	-3.0 m kg			*31,747	*31,747	*24,589	21,877	*18,833	14,284									*15,318	11,802	7.0 m
	-10 ft lb			*69,990	*69,990	*54,210	48,230	*41,520	31,490									*33,770	26,020	23.1 ft
Boom: 6.5 m (21'4") Arm: 3.0 m (9'10") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m kg									*11,884	11,775						*10,600	*10,600	7.7 m	
	25 ft lb									*26,200	25,960						*23,370	*23,370	25.4 ft	
	6.0 m kg									*13,113	11,648						*10,297	9,521	8.6 m	
	20 ft lb									*28,910	25,680						*22,700	20,990	28.2 ft	
	4.5 m kg						*20,924	*20,924	*16,302	15,826	*14,075	11,276						*10,387	8,505	9.1 m
	15 ft lb						*46,130	*46,130	*35,940	34,890	*31,030	24,860						*22,900	18,750	29.8 ft
	3.0 m kg						*25,964	22,607	*18,711	14,950	*15,309	10,836	13,263	8,246				*10,818	8,001	9.3 m
	10 ft lb						*57,240	49,840	*41,250	32,960	*33,750	23,890	29,240	18,180				*23,850	17,640	30.6 ft
	1.5 m kg						*28,200	21,464	*20,643	14,265	*16,397	10,451	13,073	8,069				*11,653	7,888	9.3 m
	5 ft lb						*62,170	47,320	*45,510	31,450	*36,150	23,040	28,820	17,790				*25,690	17,390	30.5 ft
	0 m kg						*29,506	21,092	*21,591	13,880	16,901	10,210						*13,082	8,151	9.0 m
	0 ft lb						*65,050	46,500	*47,600	30,600	37,260	22,510						*28,840	17,970	29.5 ft
	-1.5 m kg			*22,389	*22,389	*28,427	21,124	*21,346	13,789	*16,697	10,156							14,583	8,918	8.4 m
	-5 ft lb			*49,360	*49,360	*62,670	46,570	*47,060	30,400	*36,810	22,390							32,150	19,660	27.7 ft
	-3.0 m kg			*34,582	*34,582	*25,710	21,450	*19,577	13,966									*14,896	10,587	7.5 m
	-10 ft lb			*76,240	*76,240	*56,680	47,290	*43,160	30,790									*32,840	23,340	24.6 ft
-4.5 m kg					*20,298	*20,298											*14,560	*14,560	6.1 m	
-15 ft lb					*44,750	*44,750											*32,100	*32,100	19.9 ft	
Boom: 7.0 m (23'0") Arm: 2.55 m (8'4") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m kg									*13,109	11,739						*12,673	10,932	7.9 m	
	25 ft lb									*28,900	25,880						*27,940	24,100	26.0 ft	
	6.0 m kg									*13,490	11,544						*12,283	9,190	8.7 m	
	20 ft lb									*29,740	25,450						*27,080	20,260	28.7 ft	
	4.5 m kg								*17,427	15,431	*14,538	11,149	*13,163	8,428				*12,333	8,260	9.3 m
	15 ft lb								*38,420	34,020	*32,050	24,580	*29,020	18,580				*27,190	18,210	30.4 ft
	3.0 m kg								*19,736	14,592	*15,740	10,718	13,231	8,246				12,524	7,811	9.5 m
	10 ft lb								*43,510	32,170	*34,700	23,630	29,170	18,180				27,610	17,220	31.1 ft
	1.5 m kg								*21,264	14,034	*16,692	10,374	13,045	8,078				12,442	7,716	9.4 m
	5 ft lb								*46,880	30,940	*36,800	22,870	28,760	17,810				27,430	17,010	31.0 ft
	0 m kg						*17,445	*17,445	*21,700	13,789	16,828	10,183	12,973	8,010				12,927	7,983	9.2 m
	0 ft lb						*38,460	*38,460	*47,840	30,400	37,100	22,450	28,600	17,660				28,500	17,600	30.1 ft
	-1.5 m kg			*14,397	*14,397	*27,143	21,233	*21,060	13,789	*16,624	10,170							*14,129	8,723	8.6 m
	-5 ft lb			*31,740	*31,740	*59,840	46,810	*46,430	30,400	*36,650	22,420							*31,150	19,230	28.2 ft
	-3.0 m kg			*30,159	*30,159	*24,326	21,582	*19,114	14,016	*14,501	10,424							*14,179	10,292	7.7 m
	-10 ft lb			*66,490	*66,490	*53,630	47,580	*42,140	30,900	*31,970	22,980							*31,260	22,690	25.3 ft
-4.5 m kg			*23,691	*23,691	*19,255	*19,255	*14,397	*14,397									*13,476	*13,476	6.3 m	
-15 ft lb			*52,230	*52,230	*42,450	*42,450	*31,740	*31,740									*29,710	*29,710	20.7 ft	

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 EC530E Fixed undercarriage**

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, 5 ft		3.0 m, 10 ft		4.5 m, 15 ft		6.0 m, 20 ft		7.5 m, 25 ft		9.0 m, 30 ft		10.5 m, 35 ft		Max. reach				
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.		
		kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m	
Boom: 7.0 m (23'0") Arm: 3.0 m (9'10") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m																*10,746	10,056	8.4 m	
	25 ft	lb															*23,690	22,170	27.5 ft	
	6.0 m	kg								*12,710	11,589	*10,610	8,564				*10,505	8,550	9.1 m	
	20 ft	lb								*28,020	25,550	*23,390	18,880				*23,160	18,850	30.0 ft	
	4.5 m	kg					*22,040	*22,040	*16,447	15,531	*13,844	11,154	*12,492	8,410			*10,605	7,720	9.6 m	
	15 ft	lb					*48,590	*48,590	*36,260	34,240	*30,520	24,590	*27,540	18,540			*23,380	17,020	31.6 ft	
	3.0 m	kg							*18,879	14,619	*15,136	10,678	*13,100	8,178			*11,022	7,298	9.8 m	
	10 ft	lb							*41,620	32,230	*33,370	23,540	*28,880	18,030			*24,300	16,090	32.3 ft	
	1.5 m	kg							*20,666	13,953	*16,230	10,278	12,946	7,965				11,662	7,199	9.8 m
	5 ft	lb							*45,560	30,760	*35,780	22,660	28,540	17,560			25,710	15,870	32.2 ft	
	0 m	kg					*21,119	20,725	*21,432	13,612	16,683	10,033	12,805	7,843			12,056	7,407	9.5 m	
	0 ft	lb					*46,560	45,690	*47,250	30,010	36,780	22,120	28,230	17,290			26,580	16,330	31.3 ft	
	-1.5 m	kg		*16,393	*16,393	*27,796	20,824	*21,137	13,544	16,606	9,965						13,100	8,020	9.0 m	
	-5 ft	lb		*36,140	*36,140	*61,280	45,910	*46,600	29,860	36,610	21,970						28,880	17,680	29.6 ft	
	-3.0 m	kg		*29,438	*29,438	*25,351	21,142	*19,641	13,708	*15,286	10,115						*13,739	9,303	8.2 m	
	-10 ft	lb		*64,900	*64,900	*55,890	46,610	*43,300	30,220	*33,700	22,300						*30,290	20,510	26.8 ft	
	-4.5 m	kg		*26,912	*26,912	*21,010	*21,010	*16,130	14,170								*13,544	12,138	6.9 m	
	-15 ft	lb		*59,330	*59,330	*46,320	*46,320	*35,560	31,240								*29,860	26,760	22.5 ft	
Boom: 7.0 m (23'0") Arm: 3.35 m (11'0") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m	kg															*9,430	*9,430	8.7 m	
	25 ft	lb															*20,790	*20,790	28.7 ft	
	6.0 m	kg								*12,238	11,744	*11,666	8,709				*9,231	8,133	9.5 m	
	20 ft	lb								*26,980	25,890	*25,720	19,200				*20,350	17,930	31.2 ft	
	4.5 m	kg							*15,844	15,776	*13,440	11,299	*12,152	8,518				*9,317	7,384	10.0 m
	15 ft	lb							*34,930	34,780	*29,630	24,910	*26,790	18,780			*20,540	16,280	32.7 ft	
	3.0 m	kg					*26,009	22,294	*18,389	14,846	*14,823	10,809	*12,855	8,264			*9,662	7,003	10.2 m	
	10 ft	lb					*57,340	49,150	*40,540	32,730	*32,680	23,830	*28,340	18,220			*21,300	15,440	33.4 ft	
	1.5 m	kg					*17,867	*17,867	*20,384	14,129	*16,034	10,383	13,009	8,029			*10,306	6,904	10.1 m	
	5 ft	lb					*39,390	*39,390	*44,940	31,150	*35,350	22,890	28,680	17,700			*22,720	15,220	33.3 ft	
	0 m	kg					*22,113	20,838	*21,405	13,726	16,760	10,102	12,837	7,874			*11,367	7,085	9.9 m	
	0 ft	lb					*48,750	45,940	*47,190	30,260	36,950	22,270	28,300	17,360			*25,060	15,620	32.4 ft	
	-1.5 m	kg		*16,152	*16,152	*28,445	20,856	*21,369	13,599	16,633	9,993	12,809	7,847				12,401	7,616	9.4 m	
	-5 ft	lb		*35,610	*35,610	*62,710	45,980	*47,110	29,980	36,670	22,030	28,240	17,300				27,340	16,790	30.7 ft	
	-3.0 m	kg	*20,648	*20,648	*27,034	*27,034	*26,308	21,110	*20,176	13,698	*15,803	10,074					*13,367	8,714	8.5 m	
	-10 ft	lb	*45,520	*45,520	*59,600	*59,600	*58,000	46,540	*44,480	30,200	*34,840	22,210					*29,470	19,210	28.0 ft	
	-4.5 m	kg		*29,561	*29,561	*22,444	21,627	*17,268	14,061								*13,376	11,022	7.3 m	
	-15 ft	lb		*65,170	*65,170	*49,480	47,680	*38,070	31,000								*29,490	24,300	24.0 ft	
-6.0 m	kg					*14,978	*14,978									*12,115	*12,115	5.4 m		
-20 ft	lb					*33,020	*33,020									*26,710	*26,710	17.7 ft		
Boom: 7.0 m (23'0") Arm: 3.9 m (12'10") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m	kg										*8,822	*8,822				*7,552	*7,552	9.3 m	
	25 ft	lb										*19,450	*19,450				*16,650	*16,650	30.6 ft	
	6.0 m	kg										*10,850	8,813				*7,407	*7,407	10.0 m	
	20 ft	lb										*23,920	19,430				*16,330	*16,330	32.9 ft	
	4.5 m	kg									*12,628	11,417	*11,476	8,577			*7,480	6,822	10.5 m	
	15 ft	lb									*27,840	25,170	*25,300	18,910			*16,490	15,040	34.4 ft	
	3.0 m	kg					*24,045	22,852	*17,345	15,046	*14,111	10,886	*12,292	8,287			*7,743	6,482	10.7 m	
	10 ft	lb					*53,010	50,380	*38,240	33,170	*31,110	24,000	*27,100	18,270		*17,130	14,290	*17,070	14,290	35.0 ft
	1.5 m	kg					*23,446	21,391	*19,613	14,225	*15,477	10,405	13,000	8,010			*8,233	6,382	10.6 m	
	5 ft	lb					*51,690	47,160	*43,240	31,360	*34,120	22,940	28,660	17,660			*18,150	14,070	34.9 ft	
	0 m	kg					*23,827	20,775	*20,997	13,708	*16,429	10,061	12,778	7,806			*9,022	6,518	10.4 m	
	0 ft	lb					*52,530	45,800	*46,290	30,220	*36,220	22,180	28,170	17,210			*19,890	14,370	34.1 ft	
	-1.5 m	kg	*11,140	*11,140	*15,808	*15,808	*28,867	20,643	*21,355	13,481	16,529	9,888	12,678	7,716			*10,297	6,944	9.9 m	
	-5 ft	lb	*24,560	*24,560	*34,850	*34,850	*63,640	45,510	*47,080	29,720	36,440	21,800	27,950	17,010			*22,700	15,310	32.5 ft	
	-3.0 m	kg	*18,293	*18,293	*24,235	*24,235	*27,284	20,802	*20,620	13,503	*16,193	9,893					*12,474	7,815	9.1 m	
	-10 ft	lb	*40,330	*40,330	*53,430	*53,430	*60,150	45,860	*45,460	29,770	*35,700	21,810					*27,500	17,230	30.0 ft	
	-4.5 m	kg	*26,658	*26,658	*32,958	*32,958	*24,122	21,228	*18,457	13,762	*14,061	10,147					*12,896	9,553	8.0 m	
	-15 ft	lb	*58,770	*58,770	*72,660	*72,660	*53,180	46,800	*40,690	30,340	*31,000	22,370					*23,430	21,060	26.3 ft	
-6.0 m	kg			*24,249	*24,249	*18,280	*18,280	*13,281	*13,281							*12,496	*12,496	6.3 m		
-20 ft	lb			*53,460	*53,460	*40,300	*40,300	*29,280	*29,280							*27,550	*27,550	20.7 ft		

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 Wide retractable undercarriage

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, 5 ft		3.0 m, 10 ft		4.5 m, 15 ft		6.0 m, 20 ft		7.5 m, 25 ft		9.0 m, 30 ft		10.5 m, 35 ft		Max. reach			
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.	
Boom: 6.5 m (21'4") Arm: 2.55 m (8'4") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m kg																*12,519	*12,519	7.3 m
	25 ft lb																*27,600	*27,600	24.0 ft
	6.0 m kg								*15,232	*15,232	*14,002	*14,002					*12,043	*12,043	8.2 m
	20 ft lb								*33,580	*33,580	*30,870	*30,870					*26,550	*26,550	26.9 ft
	4.5 m kg						*22,720	*22,720	*17,300	*17,300	*14,823	14,080					*12,070	11,399	8.7 m
	15 ft lb						*50,090	*50,090	*38,140	*38,140	*32,680	31,040					*26,610	25,130	28.6 ft
	3.0 m kg						*26,925	*26,925	*19,591	18,960	*15,939	13,671					*12,528	10,755	9.0 m
	10 ft lb						*59,360	*59,360	*43,190	41,800	*35,140	30,140					*27,620	23,710	29.4 ft
	1.5 m kg						*20,761	*20,761	*21,278	18,334	*16,874	13,327					*11,467	10,655	8.9 m
	5 ft lb						*45,770	*45,770	*46,910	40,420	*37,200	29,380					*29,690	23,490	29.3 ft
	0 m kg						*29,515	28,236	*21,890	18,026	*17,227	13,131					*14,928	11,099	8.6 m
	0 ft lb						*65,070	62,250	*48,260	39,740	*37,980	28,950					*32,910	24,470	28.3 ft
	-1.5 m kg			*22,326	*22,326		*27,896		*21,246	18,008	*16,511	13,154					*15,263	12,292	8.0 m
	-5 ft lb			*49,220	*49,220		*61,500		*46,840	39,700	*36,400	29,000					*33,650	27,100	26.3 ft
-3.0 m kg			*31,747	*31,747		*24,589		*18,833	18,289							*15,318	14,955	7.0 m	
-10 ft lb			*69,990	*69,990		*54,210		*41,520	40,320							*33,770	32,970	23.1 ft	
Boom: 6.5 m (21'4") Arm: 3.0 m (9'10") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m kg									*11,884	*11,884					*10,600	*10,600	7.7 m	
	25 ft lb									*26,200	*26,200					*23,370	*23,370	25.4 ft	
	6.0 m kg									*13,113	*13,113					*10,297	*10,297	8.6 m	
	20 ft lb									*28,910	*28,910					*22,700	*22,700	28.2 ft	
	4.5 m kg						*20,924	*20,924	*16,302	*16,302	*14,075	*14,075					*10,387	*10,387	9.1 m
	15 ft lb						*46,130	*46,130	*35,940	*35,940	*31,030	*31,030					*22,900	*22,900	29.8 ft
	3.0 m kg						*25,964	*25,964	*18,711	*18,711	*15,309	13,644	*13,485	10,378			*10,818	10,074	9.3 m
	10 ft lb						*57,240	*57,240	*41,250	*41,250	*33,750	30,080	*29,730	22,880			*23,850	22,210	30.6 ft
	1.5 m kg						*28,200	*28,200	*20,643	18,280	*16,397	13,245	*13,912	10,197			*11,653	9,961	9.3 m
	5 ft lb						*62,170	*62,170	*45,510	40,300	*36,150	29,200	*30,670	22,480			*25,690	21,960	30.5 ft
	0 m kg						*29,506	27,964	*21,591	17,872	*16,987	12,986					*13,082	10,315	9.0 m
	0 ft lb						*65,050	61,650	*47,600	39,400	*37,450	28,630					*28,840	22,740	29.5 ft
	-1.5 m kg			*22,389	*22,389		*28,427	28,000	*21,346	17,772	*16,697	12,932					*14,588	11,299	8.4 m
	-5 ft lb			*49,360	*49,360		*62,670	61,730	*47,060	39,180	*36,810	28,510					*32,160	24,910	27.7 ft
-3.0 m kg			*34,582	*34,582		*25,710	*25,710	*19,577	17,967							*14,896	13,435	7.5 m	
-10 ft lb			*76,240	*76,240		*56,680	*56,680	*43,160	39,610							*32,840	29,620	24.6 ft	
-4.5 m kg						*20,298	*20,298									*14,560	*14,560	6.1 m	
-15 ft lb						*44,750	*44,750									*32,100	*32,100	19.9 ft	
Boom: 7.0 m (22'12") Arm: 2.55 m (8'4") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m kg									*13,109	*13,109					*12,673	*12,673	7.9 m	
	25 ft lb									*28,900	*28,900					*27,940	*27,940	26.0 ft	
	6.0 m kg									*13,490	*13,490					*12,283	11,462	8.7 m	
	20 ft lb									*29,740	*29,740					*27,080	25,270	28.7 ft	
	4.5 m kg								*17,427	*17,427	*14,538	13,957	*13,163	10,551			*12,333	10,351	9.3 m
	15 ft lb								*38,420	*38,420	*32,050	30,770	*29,020	23,260			*27,190	22,820	30.4 ft
	3.0 m kg								*19,736	18,611	*15,740	13,508	*13,608	10,365			*12,764	9,820	9.5 m
	10 ft lb								*43,510	41,030	*34,700	29,780	*30,000	22,850			*28,140	21,650	31.1 ft
	1.5 m kg								*21,264	18,017	*16,692	13,145	13,993	10,192			13,345	9,734	9.4 m
	5 ft lb								*46,880	39,720	*36,800	28,980	30,850	22,470			29,420	21,460	31.0 ft
	0 m kg						*17,445	*17,445	*21,700	17,754	*17,082	12,946	13,921	10,120			13,866	10,083	9.2 m
	0 ft lb						*38,460	*38,460	*47,840	39,140	*37,660	28,540	30,690	22,310			30,570	22,230	30.1 ft
	-1.5 m kg			*14,397	*14,397		*27,143	*27,143	*21,060	17,758	*16,624	12,932					*14,129	11,027	8.6 m
	-5 ft lb			*31,740	*31,740		*59,840	*59,840	*46,430	39,150	*36,650	28,510					*31,150	24,310	28.2 ft
-3.0 m kg			*30,159	*30,159		*24,326	*24,326	*19,114	17,999	*14,501	13,200					*14,179	13,018	7.7 m	
-10 ft lb			*66,490	*66,490		*53,630	*53,630	*42,140	39,680	*31,970	29,100					*31,260	28,700	25.3 ft	
-4.5 m kg			*23,691	*23,691		*19,255	*19,255	*14,397	*14,397							*13,476	*13,476	6.3 m	
-15 ft lb			*52,230	*52,230		*42,450	*42,450	*31,740	*31,740							*29,710	*29,710	20.7 ft	

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 EC550E Wide retractable undercarriage**

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, 5 ft		3.0 m, 10 ft		4.5 m, 15 ft		6.0 m, 20 ft		7.5 m, 25 ft		9.0 m, 30 ft		10.5 m, 35 ft		Max. reach					
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.			
		Boom: 7.0 m (22'12") Arm: 3.0 m (9'10") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m	kg																*10,746	*10,746
25 ft	lb																		*23,690	*23,690	27.5 ft
6.0 m	kg									*12,710	*12,710	*10,610	*10,610					*10,505	*10,505	9.1 m	
20 ft	lb									*28,020	*28,020	*23,390	*23,390					*23,160	*23,160	30.0 ft	
4.5 m	kg						*22,040	*22,040	*16,447	*16,447	*13,844	*13,844	*12,492	10,541				*10,605	9,698	9.6 m	
15 ft	lb						*48,590	*48,590	*36,260	*36,260	*30,520	*30,520	*27,540	23,240				*23,380	21,380	31.6 ft	
3.0 m	kg								*18,879	18,652	*15,136	13,472	*13,100	10,301				*11,022	9,208	9.8 m	
10 ft	lb								*41,620	41,120	*33,370	29,700	*28,880	22,710				*24,300	20,300	32.3 ft	
1.5 m	kg								*20,666	17,940	*16,230	13,054	*13,644	10,083				*11,802	9,108	9.8 m	
5 ft	lb								*45,560	39,550	*35,780	28,780	*30,080	22,230				*26,020	20,080	32.2 ft	
0 m	kg						*21,119	*21,119	*21,432	17,581	*16,819	12,796	13,753	9,952				12,946	9,394	9.5 m	
0 ft	lb						*46,560	*46,560	*47,250	38,760	*37,080	28,210	30,320	21,940				28,540	20,710	31.3 ft	
-1.5 m	kg				*16,393	*16,393	*27,796	27,656	*21,137	17,509	*16,656	12,728						*13,499	10,179	9.0 m	
-5 ft	lb				*36,140	*36,140	*61,280	60,970	*46,600	38,600	*36,720	28,060						*29,760	22,440	29.6 ft	
-3.0 m	kg				*29,438	*29,438	*25,351	*25,351	*19,641	17,681	*15,286	12,882						*13,739	11,802	8.2 m	
-10 ft	lb				*64,900	*64,900	*55,890	*55,890	*43,300	38,980	*33,700	28,400						*30,290	26,020	26.8 ft	
-4.5 m	kg				*26,912	*26,912	*21,010	*21,010	*16,130	*16,130								*13,544	*13,544	6.9 m	
-15 ft	lb				*59,330	*59,330	*46,320	*46,320	*35,560	*35,560								*29,860	*29,860	22.5 ft	
Boom: 7.0 m (22'12") Arm: 3.35 m (10'12") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m		kg																*9,430	*9,430	8.7 m
	25 ft		lb																	*20,790	*20,790
	6.0 m	kg								*12,238	*12,238	*11,666	10,850					*9,231	*9,231	9.5 m	
	20 ft	lb								*26,980	*26,980	*25,720	23,920					*20,350	*20,350	31.2 ft	
	4.5 m	kg							*15,844	*15,844	*13,440	*13,440	*12,152	10,650				*9,317	9,271	10.0 m	
	15 ft	lb							*34,930	*34,930	*29,630	*29,630	*26,790	23,480				*20,540	20,440	32.7 ft	
	3.0 m	kg					*26,009	*26,009	*18,389	*18,389	*14,823	13,608	*12,855	10,387				*9,662	8,827	10.2 m	
	10 ft	lb					*57,340	*57,340	*40,540	*40,540	*32,680	30,000	*28,340	22,900				*21,300	19,460	33.4 ft	
	1.5 m	kg					*17,867	*17,867	*20,384	18,126	*16,034	13,163	*13,503	10,147				*10,306	8,727	10.1 m	
	5 ft	lb					*39,390	*39,390	*44,940	39,960	*35,350	29,020	*29,770	22,370				*22,720	19,240	33.3 ft	
	0 m	kg					*22,113	*22,113	*21,405	17,699	*16,774	12,868	13,785	9,984				*11,367	8,977	9.9 m	
	0 ft	lb					*48,750	*48,750	*47,190	39,020	*36,980	28,370	30,390	22,010				*25,060	19,790	32.4 ft	
	-1.5 m	kg			*16,152	*16,152	*28,445	27,687	*21,369	17,563	*16,810	12,750	*13,549	9,956				*13,063	9,657	9.4 m	
	-5 ft	lb			*35,610	*35,610	*62,710	61,040	*47,110	38,720	*37,060	28,110	*29,870	21,950				*28,800	21,290	30.7 ft	
	-3.0 m	kg	*20,648	*20,648	*27,034	*27,034	*26,308	*26,308	*20,176	17,672	*15,803	12,841						*13,367	11,045	8.5 m	
	-10 ft	lb	*45,520	*45,520	*59,600	*59,600	*58,000	*58,000	*44,480	38,960	*34,840	28,310						*29,470	24,350	28.0 ft	
	-4.5 m	kg			*29,561	*29,561	*22,444	*22,444	*17,268	*17,268								*13,376	*13,376	7.3 m	
	-15 ft	lb			*65,170	*65,170	*49,480	*49,480	*38,070	*38,070								*29,490	*29,490	24.0 ft	
	-6.0 m	kg					*14,978	*14,978										*12,115	*12,115	5.4 m	
	-20 ft	lb					*33,020	*33,020										*26,710	*26,710	17.7 ft	
Boom: 7.0 m (22'12") Arm: 3.9 m (12'10") Shoe: 900 mm (36") CWT: 10,600 kg (23,370 lb)	7.5 m	kg										*8,822	*8,822				*7,552	*7,552	9.3 m		
	25 ft	lb											*19,450	*19,450				*16,650	*16,650	30.6 ft	
	6.0 m	kg											*10,850	*10,850				*7,407	*7,407	10.0 m	
	20 ft	lb											*23,920	*23,920				*16,330	*16,330	32.9 ft	
	4.5 m	kg										*12,628	*12,628	*11,476	10,718			*7,480	*7,480	10.5 m	
	15 ft	lb										*27,840	*27,840	*25,300	23,630			*16,490	*16,490	34.4 ft	
	3.0 m	kg					*24,045	*24,045	*17,345	*17,345	*14,111	13,694	*12,292	10,419				*7,743	*7,743	10.7 m	
	10 ft	lb					*53,010	*53,010	*38,240	*38,240	*31,110	30,190	*27,100	22,970			*17,130	*17,130	35.0 ft		
	1.5 m	kg					*23,446	*23,446	*19,613	18,234	*15,477	13,195	*13,077	10,133				*8,233	8,092	10.6 m	
	5 ft	lb					*51,690	*51,690	*43,240	40,200	*34,120	29,090	*28,830	22,340				*18,150	17,840	34.9 ft	
	0 m	kg					*23,827	*23,827	*20,997	17,686	*16,429	12,832	*13,617	9,920				*9,022	8,283	10.4 m	
	0 ft	lb					*52,530	*52,530	*46,290	38,990	*36,220	28,290	*30,020	21,870				*19,890	18,260	34.1 ft	
	-1.5 m	kg	*11,140	*11,140	*15,808	*15,808	*28,867	27,465	*21,355	17,445	*16,751	12,646	13,621	9,825				*10,297	8,831	9.9 m	
	-5 ft	lb	*24,560	*24,560	*34,850	*34,850	*63,640	60,550	*47,080	38,460	*36,930	27,880	30,030	21,660				*22,700	19,470	32.5 ft	
	-3.0 m	kg	*18,293	*18,293	*24,235	*24,235	*27,284	*27,284	*20,620	17,468	*16,193	12,655						*12,474	9,929	9.1 m	
	-10 ft	lb	*40,330	*40,330	*53,430	*53,430	*60,150	*60,150	*45,460	38,510	*35,700	27,900						*27,500	21,890	30.0 ft	
	-4.5 m	kg	*26,658	*26,658	*32,958	*32,958	*24,122	*24,122	*18,457	17,475	*14,061	12,923						*12,896	12,129	8.0 m	
	-15 ft	lb	*58,770	*58,770	*72,660	*72,660	*53,180	*53,180	*40,690	39,120	*31,000	28,490						*28,430	26,740	26.3 ft	
	-6.0 m	kg			*24,249	*24,249	*18,280	*18,280	*13,281	*13,281								*12,496	*12,496	6.3 m	
	-20 ft	lb			*53,460	*53,460	*40,300	*40,300	*29,280	*29,280								*27,550	*27,550	20.7 ft	

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.

# Equipment

STANDARD EQUIPMENT			
	EC530E	EC550E	
<b>Engine</b>			
Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets Tier 4f requirements	•	•	
Air filter with indicator	•	•	
Air intake heater	•	•	
Cyclone pre-cleaner	•	•	
Electric engine shut-off	•	•	
Alternator, 80 A	•	•	
1,000hr engine oil and engine oil filter change intervals	•	•	
Block heater: 120 V	•	•	
Water separator with heater	•	•	
Delayed engine Shutdown	•	•	
<b>Electric / Electronic control system</b>			
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 with LOTO bracket	•	•	
Engine restart prevention circuit	•	•	
High-capacity halogen lights:	•	•	
Deck 2, Cab 3, Counterweight 1	•	•	
Boom 4	•	•	
Batteries, 2 x 12 V / 200 Ah	•	•	
Start motor, 24 V / 7 kW	•	•	
Dig Assist Start	•	•	
Travel alarm	•	•	
<b>Frame</b>			
3-point right-hand side access	•	•	
Full height, foldable handrail and guard rail	•	•	
Tool storage area	•	•	
Punched metal anti-slip plates	•	•	
Undercover (heavy-duty)	•	•	
Cabin entrance, bolted on	•	•	
Fixed counterweight	•	•	
<b>Undercarriage</b>			
Fixed lower frame	•	–	
Retractable lower frame, wide width	–	•	
Undercover (heavy-duty)	•	•	
Track adjusters	•	•	
Greased and sealed track link	•	•	
Standard Track Guard	•	•	
<b>Hydraulic system</b>			
New electro-hydraulic system with no pilot lines	•	•	
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	•	•	
Boom/Swing and Boom/Travel priorities	•	•	
Automatic two-speed travel motors	•	•	
Hydraulic oil, ISO VG 46	•	•	
Automatic hydraulic oil warm-up	•	•	
Boom and arm bouncing reduction	•	•	
Boom float function	•	•	
High pressure line for hammer and shear:	•	•	
- 2 pump flow	•	•	
- Variable flow and pressure pre-setting	•	•	

STANDARD EQUIPMENT			
	EC530E	EC550E	
<b>Cab and interior</b>			
ROPS (ISO12117-2) certified cab	•	•	
Silicon oil and rubber mounts with spring	•	•	
Travel pedals and hand levers	•	•	
Adjustable operator seat and joystick control console	•	•	
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	•	•	
- Volvo Smart View camera	•	•	
- Master key	•	•	
Fabric seat with heater and air suspension	•	•	
Joystick pattern change	•	•	
Opening top hatch	•	•	
<b>Track shoes</b>			
900 mm (36") with triple grousers	•	•	
<b>Digging equipment</b>			
Boom: 7.0 m (23'0")	•	•	
Arm: 3.35 m (11'0")	•	•	
Manual centralized lubrication	•	•	
Linkage with lifting eye	•	•	
Caretrack	•	•	

OPTIONAL EQUIPMENT			
	EC530E	EC550E	
<b>Engine</b>			
Oil bath pre-cleaner	•	•	
Diesel coolant heater, 10 kW	•	•	
Auto engine shutdown	•	•	
Reversible fan drive	•	•	
Fuel tank-fast fuel fill preparation	•	•	
Fuel filler pump: 50 l/min (13.2 gal/min), with automatic shut-off	•	•	

## OPTIONAL EQUIPMENT

	EC530E	EC550E
<b>Electric</b>		
LED work lights	•	•
- Deck 2, Cab 3	•	•
- Boom 4	•	•
- Counterweight-mounted 1	•	•
Anti-theft system	•	•
Flashing beacon, LED	•	•
Green light beacon	•	•
Jump start connector, NATO	•	•
Dig Assist : 2D, In-Field Design and 3D	•	•
On-Board Weighing	•	•
Side view and rear view cameras	•	•
<b>Frame</b>		
Hydraulically removable counterweight	•	•
Service walk way, foldable	•	•
Cab entrance, foldable	•	•
<b>Undercarriage</b>		
Full track guard	•	•
<b>Hydraulic system</b>		
Hose rupture valve: boom, Arm	•	•
Hydraulic piping:	•	•
- Work tool management system (up to 32 programmable memories)	•	•
Low pressure line for slope & rotator	•	•
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 68	•	•
Hydraulic oil, biodegradable 46	•	•

## OPTIONAL EQUIPMENT

	EC530E	EC550E
<b>Cab and interior</b>		
Cabin air filter, HEPA	•	•
Deluxe seat	•	•
Fabric seat with heater	•	•
Delux seat with multiple adjusting arm rest	•	•
Comfort Driving Control	•	•
Creep travel speed	•	•
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	•	•
One piece front window	•	•
High visibility cab	•	•
<b>Track shoes</b>		
Track shoes 600/750/900 mm (24"/30"/36") with triple grousers	•	•
Track shoes 600 mm (24") with double grousers	•	•
<b>Digging equipment</b>		
Boom: 6.5 m (21'4")	•	•
Arm: 2.55 m (8'4"), 3.0 m (9'10"), 3.9 m (12'10")	•	•
<b>Service</b>		
Tool kit, daily maintenance	•	•
Tool kit, full scale	•	•
Automatic lubrication system	•	•
Air pressure supply in cabin	•	•

## 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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