

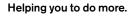
EC750E

Volvo Excavators 72.8-74.9 t 534 hp



A passion for performance

At Volvo Construction Equipment, we're not just coming along for the ride. Developing products and services that raise productivity – we are confident we can lower costs and increase profits for industry experts. Part of the Volvo Group, we are passionate about innovative solutions to help you work smarter – not harder.



Doing more with less is a trademark of Volvo Construction Equipment. High productivity has long been married to low energy consumption, ease of use and durability. When it comes to lowering life-cycle costs, Volvo is in a class of its own.

Designed to fit your needs.

There is a lot riding on creating solutions that are suited to the particular needs of different industry applications. Innovation often involves high technology – but it doesn't always have to. Some of our best ideas have been simple, based on a clear and deep understanding of our customers' working lives.





You learn a lot in 180 years.

Over the years, Volvo has advanced solutions that have revolutionized the use of construction equipment. No other name speaks Safety louder than Volvo. Protecting operators, those around them and minimizing our environmental impact are traditional values that continue to shape our product design philosophy.

We're on your side.

We back the Volvo brand with the best people. Volvo is truly a global enterprise, one that is on standby to support customers quickly and efficiently – wherever they are.

We have a passion for performance.













Volvo Trucks

Renault Trucks

































Volvo Penta

Volvo Financial Services

UD Trucks

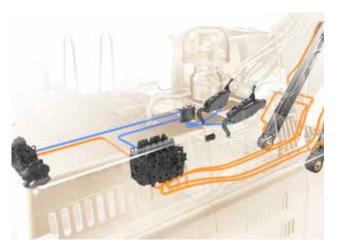
Volvo Construction Equipment

Do more for less

Gain more profitability and productivity in the EC750E. The Volvo crawler excavator offers the perfect combination of power and stability to handle a higher capacity in the toughest applications. Industry-leading fuel efficiency, innovative electro-hydraulic technology and ECO Mode help to optimize production and maximize your return on investment.

Total control

For a more productive and fuel efficient operation, the new electrohydraulic system puts superior control in the operator's hands. Utilizing intelligent technology, the easy-to-use system controls on-demand flow and reduces internal losses in the hydraulic circuit.



Outstanding fuel efficiency

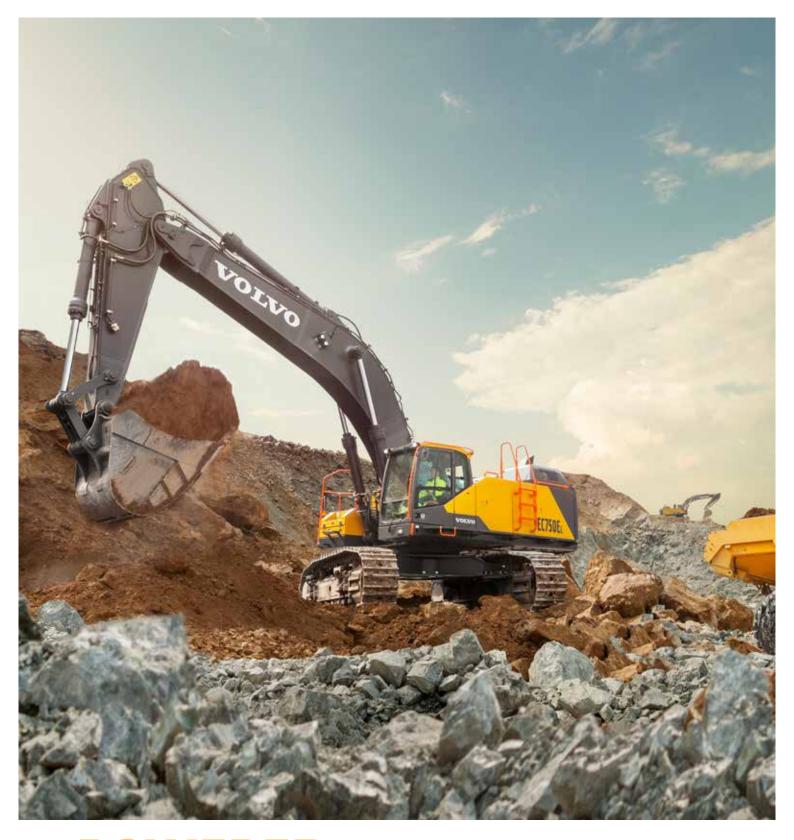
Achieve outstanding fuel efficiency with Volvo's unique ECO Mode. ECO Mode optimizes the hydraulic system to reduce loss of flow and pressure – resulting in improved fuel efficiency without any loss of performance in most operating conditions.



Operator's choice

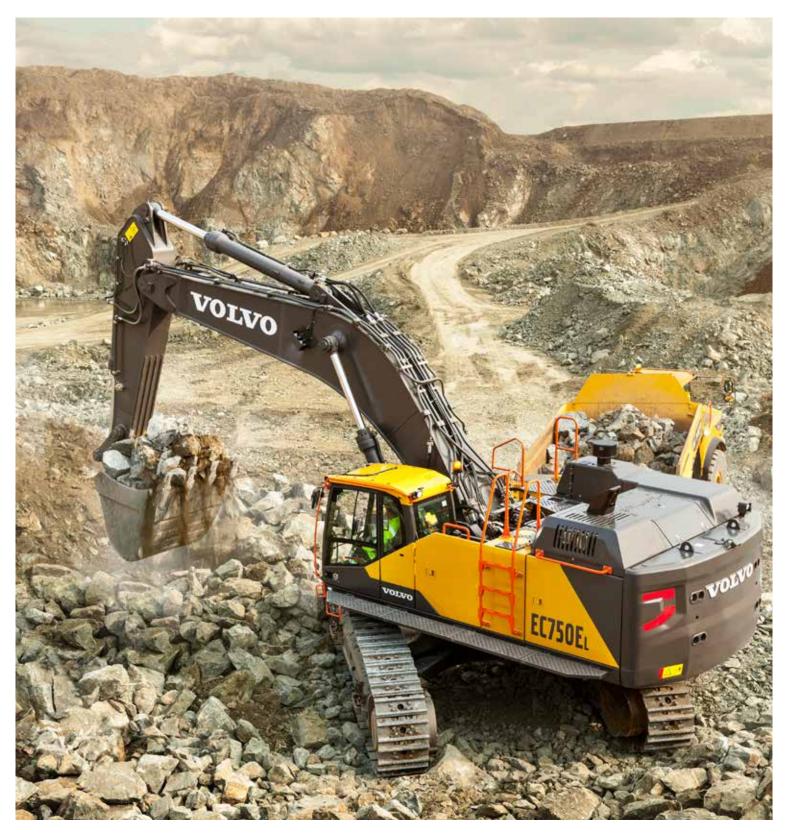
Take on the most demanding working environments from the comfort of Volvo's industry-leading cab. The low noise cab provides ample storage and leg room, 12 air-conditioner vents and adjustable seat, keeping the operator fresh, alert and focused – longer. Ergonomically positioned interfaces – including the joysticks, keypad and LCD monitor – and clear all-around visibility helps you share the strong, work-all-day feeling your machine has.





POWERED By Volvo

Rely on a superior performance from the EC750E to do the bigger jobs better, stronger and faster. Equipped with a powerful Volvo D16 engine, the machine utilizes advanced technology built on decades of experience, delivering increased horsepower and fuel efficiency – that benefits your bottom line.



SUPERIOR DIGGING PERFORMANCE

Get the job done in even the most demanding conditions with the EC750E's outstanding digging force. Powered by Volvo's advanced electrohydraulic technology, the EC750E digs, swings and loads more materials in any application.

Winning performance

No task is too tough for the powerful EC750E. Whether you're working at a mine, a quarry or in heavy construction applications, the EC750E offers superior digging performance, outstanding fuel efficiency and quick cycle times for a maximum return on investment.

The right mode for the job

Achieve optimum fuel efficiency and machine performance with Volvo's unique, integrated work mode system. Maximizing efficiency, the system allows operators to choose the best work mode for the task at hand - select from I (Idle), F (Fine), G (General), H (Heavy) and P (Power max).





Get more done in less time

Cut cycle times to a minimum and increase profitability with the newly developed fully electro-hydraulic system. The Volvo hydraulic system in combination with the high power and massive torque from the Volvo D16 engine gets more done in less time. Offering faster cycle times, the EC750E ensures greater control, reduces operation costs and maximizes uptime.



Designed for distance

Delivering more power, better productivity and ease of moving around your jobsite, the machine's high system pressure and durable track ensure impressive tractive force when climbing gradients and travelling over unstable ground. Experience superior access to hard-to-reach areas of your job site.



Solid stability

Operators can work with confidence in challenging environments with outstanding stability in the EC750E. Operate adverse terrains in the well-balanced and solid machine, which features a wide track gauge, long track length, a retractable undercarriage, and an optimized counterweight.



Built to work for you

Always available and ready for any application, the durable EC750E is designed for maximum uptime. The machine's heavy-duty design, reliable and wear-resistant components, and easy service access ensure you will get the job done quickly and without delay.

Proven reliability

Count on a solid, reliable EC750E with Volvo's high-quality components, designed to work in perfect harmony with the machine. Volvo's commitment to rigorous testing in its development process ensures the production of well-engineered components, purpose-built for the job, and proven to be reliable in the toughest applications.



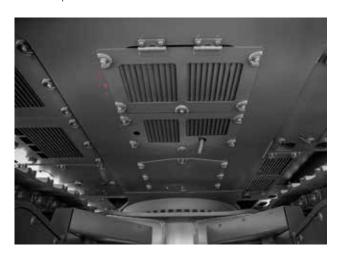
Easy service access

Maximize uptime with quick and safer servicing. Essential maintenance points are easily accessed via the wide-opening and conveniently located compartment doors using central and surrounding walkways.



Durable by design

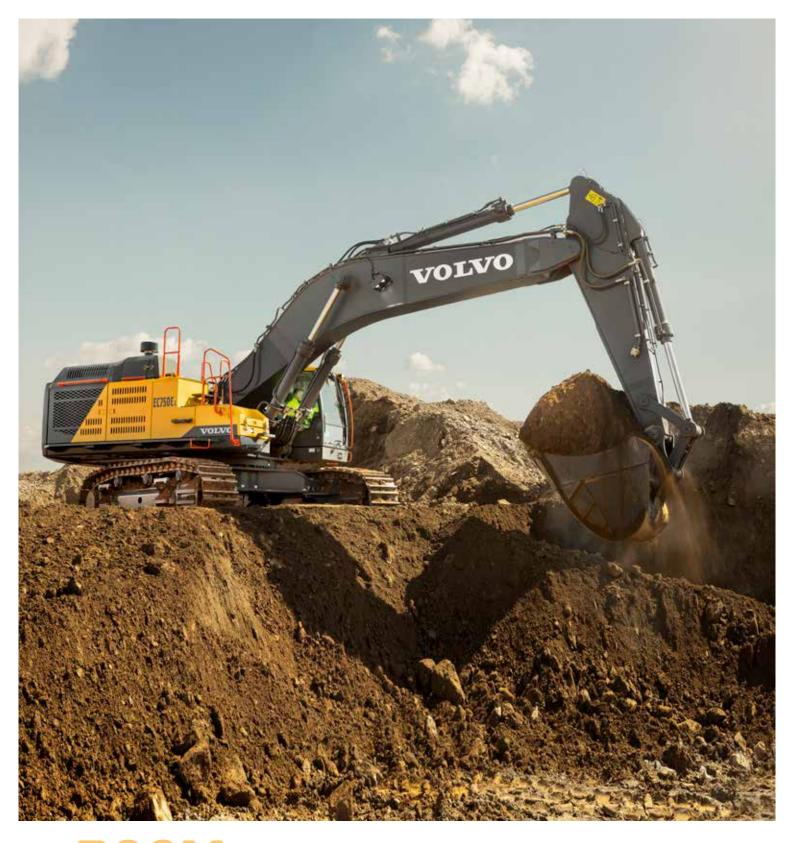
Achieve non-stop production with the durable and reliable EC750E. Built with protected components, including a strong frame structure, the machine can be relied on for longevity and sustained uptime in demanding applications. A built-in, heavy-duty plate is featured for additional protection to the underside of the machine.



Robust protection

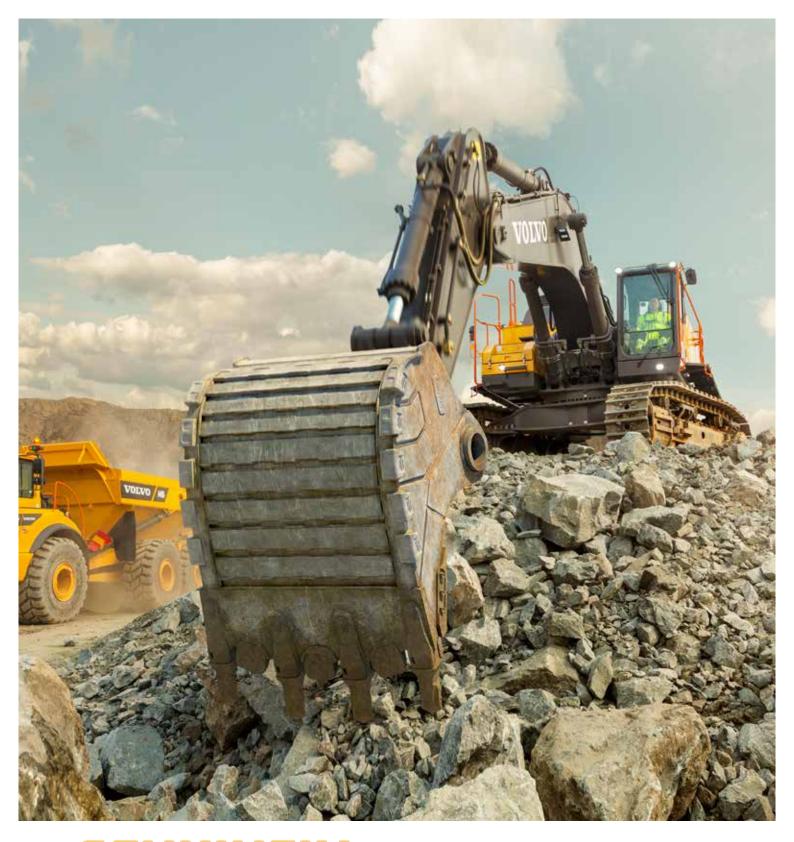
For added safety and durability, optional FOG (Falling Object Guard) and FOPS (Falling Object Protective Structure) certified cabs provide peace-of-mind for working in tough applications. The EC750E can also be fitted with a full length track guard for added protection.





BOOM AND ARM

Maximize machine uptime and performance for any job application with the reinforced heavy duty boom and arm built from high strength tensile steel. Designed for maximum reliability in even the most severe conditions, steel strips are welded under the arm for added protection and various boom and arm configurations are available to suit any bucket size or application.



GENUINELY VOLVO

Volvo's attachments have been purpose-built to work in perfect coordination with Volvo machines, forming one solid, reliable unit. With functions and properties ideally matched, Volvo attachments are an integrated part of the excavator for which they're intended – delivering maximum productivity.

Robust attachments to match

With a Volvo excavator crawler and a Volvo attachment you simply get more done. Thanks to Volvo's wide range of attachments, including the durable and hardworking general purpose, heavy duty and extreme-duty buckets, you can get the most out of your machine. Easily tailor the EC750E exactly for the applications and the conditions of your worksite.

Heavy-duty and extreme-duty buckets

Volvo's heavy-duty and extreme-duty buckets are built using wear resistant plates, excel at digging compact materials including loose rock, hard clay and gravel. They are perfect for quarrying and mining applications and are made of reinforced high quality durable materials for a long life and superior performance. Custom made buckets are available in some regions – consult your dealer.



Genuine Volvo teeth, cutters and edges

Volvo buckets are built with high tensile steel to increase the bucket's durability, and they are available from the factory* with a wide range of teeth, side cutters, segments, and wear shrouds to protect the bucket and prolongs its lifespan in the harshest working conditions. *Attachments are available for loose order in some regions, contact you dealer for more information.



Hydraulic breaker

The EC750E can be equipped with a Volvo hydraulic breaker built to break even most demanding materials. With consistent power and high breaking force you'll benefit from maximum impact and durability. Set your Volvo breaker at the right frequency to suit your application needs.



Attachment management system

The password protected attachment management system allows storage for up to 20 different attachments. The system allows the operator to pre-set hydraulic flow and pressure inside the cab through the monitor, which ensures the use of various attachments, for increased versatility.



Up to the challenge

BOOM AND ARM

Maximize machine uptime and performance for any job application with the reinforced heavy duty boom and arm.

Total control

The electro-hydraulic system controls on-demand flow and reduces internal losses in the hydraulic circuit.

Attachment management system

The password protected attachment management system allows storage for 20 different attachments for added versatility.

Genuine Volvo teeth, cutters and edges

Volvo buckets are available from the factory with a wide range of parts to prolong its lifespan in the harshest working conditions.



GENUINELY VOLVO

With functions and properties ideally matched, Volvo attachments are an integrated part of the excavator for which they're intended – delivering maximum productivity.

SUPERIOR DIGGING PERFORMANCE

The EC750E features superior digging force, particularly when working with hard and heavy materials.

Proven reliability

Count on Volvo's high-quality components, designed to work in perfect harmony with your machine.

Operator's choice

The comfortable cab and ease of operation, even in adverse conditions, makes operators choose this machine.

Built with protected components, the EC750E can be relied on for longevity and sustained uptime.

Durable by design

POWERED BY VOLVO

Rely on a top performance from the EC750E, featuring a powerful Volvo D16 engine for a fast and efficient operation.

Solid stability

Stable in challenging environments, its quality, reliable performance and durability is everything you expect from a Volvo.

Get more done in less time

Cut cycle times to a minimum with the newly developed fully electrohydraulic system.

AdBlue®

Volvo offers a total AdBlue solution that is quality assured, cost efficient and easily accessible. Contact your Volvo dealer for more information.

VOLVO

® = registered trademark of the Verband der Automobilindustrie e.V. (VDA)

CUSTOMER SUPPORT AGREEMENTS

Customer Support Agreements offer preventive maintenance, total repairs and a number of uptime services.

Adding value to your business

Being a Volvo customer means having a complete set of services at your fingertips. Volvo can offer you a long-term partnership, protect your revenue and provide a full range of customer solutions using high quality parts, delivered by passionate people. Volvo is committed to increasing the positive return on your investment and maximising uptime.

Complete Solutions

Volvo has the right solution for you. So why not let us provide all your needs throughout the whole life cycle of your machine? By listening to your requirements, we can reduce your total cost of ownership and increase your revenue.



Genuine Volvo Parts

Our attention to detail is what makes us stand out. This proven concept acts as a solid investment in your machine's future. Parts are extensively tested and approved because every part is vital for uptime and performance. Only by using Genuine Volvo Parts, can you be sure that your machine retains the renowned Volvo quality.

Service Network

In order to respond to your needs faster, a Volvo expert is on their way to your job site from one of our Volvo facilities. With our extensive infrastructure of technicians, workshops and dealers, Volvo has a comprehensive network to fully support you using local knowledge and global experience.







CUSTOMER SUPPORT AGREEMENTS

The range of Customer Support Agreements offer preventive maintenance, total repairs and a number of uptime services. Volvo uses the latest technology to monitor machine operation and status, giving you advice to increase your profitability. By having a Customer Support Agreement you are in control of your service costs.

EC750E in detail

Engine

The latest generation, Volvo engine Tier 4f (Stage IV) emissions compliant diesel engine fully meets the demands of the latest, emsissions regulations. deser engine fully meets the demands of the latest, emissions regulations. Featuring Volvo Advanced Combustion Technology (V-ACT), it is designed to deliver superior performance and fuel efficiency. The engine uses precise, highpressure fuel injectors, turbo charger and air-to-air intercooler, and electronic engine controls to optimize machine performance.

Air Filter: 3-stage with precleaner
Automatic Idling System: Reduces engine speed to idle when the levers and
pedals are not activated resulting in less fuel consumption and low cab noise

Engine	Volvo	D16J
Max power at	r/min	1 800
Net, ISO 9249/SAE J1349	kW	392
	hp	533
Gross, ISO 14396/SAE J1995	kW	393
	hp	534
Max torque	Nm	2 570
at engine speed	r/min	1 350
No. of cylinders		6
Displacement	1	16.1
Bore	mm	144
Stroke	mm	165

Electrical System

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

Voltage	V	24
Batteries	V	2x12
Battery capacity	Ah	210
Alternator	V/Ah	28/80

Undercarriage

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

Track shoes		48x2
Link pitch	mm	260.4
Shoe width, double grouser	mm	650/750/900
Bottom rollers		8x2
Top rollers		3x2

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

•		
Max. slew torque	kNm	275.5
Max. slew speed	r/min	7

Travel system

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

Max. drawbar pull	kN	4/2
Max. travel speed (low)	km/h	2.9
Max. travel speed (high)	km/h	4.6
Gradeability	0	35
Service Refill		
Fuel tank	- 1	800
DEF/AdBlue® tank	- 1	80
Hydraulic system, total	- 1	655
Hydraulic tank	1	350
Engine oil	- 1	52
Engine coolant	- 1	66
Slew reduction unit	- 1	2 x 6.8
Travel reduction unit	- 1	2 x 13.5

Hydraulic System

The new electro-hydraulic system and new MCV (main control valve) use intelligent technology to control on-demand flow for high-productivity, high-digging capacity and excellent fuel economy. The summation system, boom, arm and swing priority along with boom, arm and bucket regeneration provides optimum performance.
The following important functions are included in the system:

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

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

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

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

operations.

Regeneration system: Prevents cavitation and provides flow to other movements during simultaneous operations for maximum productivity. Holding valves: Boom and arm holding valves prevent the digging equipment

Main pump. Type 2 x variable displacement axial piston pumps

	•
l/min	2x450
l/min	1x34.5
MPa	33.8/35.8
MPa	33.8
MPa	26.5
MPa	3.9
	I/min MPa MPa MPa

Hvdraulic Motors

Travel: Variable displacement axial piston motor with mechanical brake Slew: Fixed displacement axial piston motor with mechanical brake

Hvdraulic Cvlinders

Mono boom		2
Bore x Stroke	ø x mm	200 x 1 790
Arm		1
Bore x Stroke	ø x mm	215 x 2 070
Bucket		1
Bore x Stroke	ø x mm	190 x 1 450
ME Bucket		1
Bore x Stroke	ø x mm	200 x 1 450

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.

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

Ergonomic operator's seat: The adjustable seat and joystick console move

independently to accommodate the operator. The seat has 12 different adjustments plus a seat belt for the operator's comfort and safety. Refrigerant of the type R134a is used when this machine is equipped with air

Contains fluorinated greenhouse gas R134a, Global Warming Potential 1.430 t CO2-eq

Sound Level

Sound level in cab according to ISO 6396						
LpA	dB(A)	72				
External sound level according to ISO 6395 a Directive (2000/14/EC) and 474-1:2006 +A						
LwA	dB(A)	108				

Specifications

GROUND PRESSURE								
		EC750E						
		Boom 6.6 m, Arm 2.9m, Bucket 4.4m ³ Boom 7.7 m, Arm 3.55						
		Counterweight 12 100kg Counterweight 12 10						
Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width	
	mm	kg	kPa	mm	kg	kPa	mm	
	650	73 500	106.8	4 185	73 100	106.2	4 185	
Double grouser	750	74 200	93.5	4 190	73 800	93.0	4 190	
	ann	75 300	79.0	4 340	7/ 900	78.6	4 340	

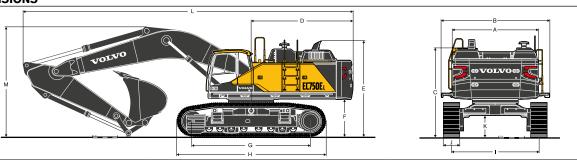
BUCKET	SEL	.ECT	ION	GU	IDE
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			.				EC750E			
5		Capacity	Cutting width	Tip radius	Weight	Teeth	6.2m Boom		7.7m Boom	
Bucket 1	ype		width				650mm shoe, 12 100kg counterweight			
		m ³	mm	mm	kg	EA	2.9m	2.9m	3.55m	4.2m
		1.99	1 200	2 177	2 580	5	С	С	С	С
	Conorol	4.40	2 150	2 190	3 770	5	С	С	В	Α
	General	4.65	2 250	2 177	3 986	5	С	С	В	Α
	Purpose	4.85	2 330	2 177	4 099	5	С	В	В	Α
Di #1		5.16	2 450	2 177	4 311	6	С	В	Α	X
Direct fit		1.99	1 200	2 190	2 864	4	D	D	D	D
Buckets(V4) - Universal Cut		3.30	1 720	2 190	3 615	4	D	D	D	D
- Ulliversal Cut		4.00	2 000	2 190	4 125	5	D	D	С	В
	Heavy	4.40	2 150	2 190	4 324	5	D	С	В	Α
	Duty	4.65	2 250	2 190	4 439	5	D	С	В	Α
		4.85	2 330	2 190	4 590	5	D	В	Α	X
		5.16	2 450	2 190	4 832	6	С	В	Α	X
Dive et fit	Heavy	4.40	2 200	2 445	4 962	4	D	С	В	Α
Direct fit	duty	4.60	2 300	2 445	5 123	4	D	С	В	Α
Buckets(V6)	Extreme	4.20	2 140	2 445	5 227	4	D	С	В	Α
- Aggressive cut	duty	4.40	2 200	2 445	5 326	4	D	С	В	Α

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.

		<u>-</u>
Max	imum materal density	
Α	1 200~1 300 kg/m ³	Coal, Caliche, Shale
В	1 400~1 600 kg/m ³	Wet earth and clay, Limestone, Sandstone
С	1 700~1 800 kg/m ³	Granite, Wet sand, Well blasted rock
D	1 900 kg/m³ ~	Wet mud, Iron ore
χ.	Not recommended	

DIMENSIONS



			H ————————————————————————————————————											
Des	cription	Unit	EC750E											
Boo	m	m	6.6		7.7									
Arm		m	2.9	2.9	3.55	4.2								
Α	Overall width of superstructure	mm	3 420	3 420	3 420	3 420								
В	Overall width (Upper Structure)	mm	4 290	4 290	4 290	4 290								
С	Overall height of cab	mm	3 520	3 520	3 520	3 520								
D	Tail swing radius	mm	4 140	4 140	4 140	4 140								
Ε	Overall height of diffuser	mm	3 850	3 850	3 850	3 850								
	Overall height of guard rail	mm	4 000	4 000	4 000	4 000								
	Overall height of engine hood	mm	3 540	3 540	3 540	3 540								
	Overall height of rain cap	mm	3 790	3 790	3 790	3 790								
	Overall height of cyclone	mm	3 850	3 850	3 850	3 850								
	Overall height of oil bath	mm	4 100	4 100	4 100	4 100								
F	Counterweight clearance *	mm	1 507	1 507	1 507	1 507								
G	Tumbler length	mm	4 750	4 750	4 750	4 750								
Н	Track length	mm	5 990	5 990	5 990	5 990								
- 1	Track guage (extended)	mm	3 440	3 440	3 440	3 440								
	Track guage (retracted)	mm	2 750	2 750	2 750	2 750								
J	Shoe width	mm	650	650	650	650								
K	Min. ground clearance *	mm	858	858	858	858								
L	Overall length	mm	12 200	13 320	13 220	13 160								
М	Overall height of boom	mm	4 855	4 660	4 600	4 950								

^{*} With shoe grouser

Specifications

DIMENSIONS

Description	Unit	EC	750E				
Boom	m	6.6	7.7				
Length	mm	6 940	8 040				
Height	mm	2 530	2 210				
Width	mm	1 100	1 100				
Weight	kg	7 320	7 710				

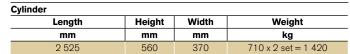
^{*} Includes cylinder, piping and pin

Description	Unit		EC750E					
Boom	m	2.9	3.55	4.2				
Length	mm	4 280	4 960	5 600				
Height	mm	1 530	1 410	1 380				
Width	mm	740	740	740				
Weight	ka	4 120	4 210	4 520				

Weight kg
* Includes bucket cylinder, linkage and pin

* Height of oil bath

* Height of oil bath



Counterweight											
Length	Height	Width	Weight								
mm	mm	mm	kg								
3 420	1 750	660	12 100								

Undercarriage											
Shoe width	Length	Height	Overall width	Weight							
mm	mm	mm	mm	kg							
650	5 990	1 375	1 080	10 600 x 2							
750	5 990	1 375	1 080	10 950 x 2							
900	5 990	1 375	1 160	11 500 x 2							

Superstructure without counterweight												
Length	Height of cab	Height of diffuser	Width	Weight								
mm	mm	mm	mm	kg								
5 550	2 655	2 995	3 430	23 150								
* Height of rain cap	2 935											
* Height of cyclone	2 995											

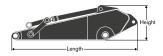
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Superstructure including UC, excluding CWT										
Shoe width	Length	Height of diffuser	Overall width (retracted)	Weight						
mm	mm	mm	mm	kg						
650	6 780	3 850	3 495	44 350						
750	6 780	3 850	3 500	45 050						
900	6 780	3 850	3 650	46 150						
* Height of rain cap		3 790								
* Height of cyclone		3 850								

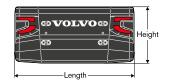
Superstructure, including	UC and Bo	om, excludin	g CWT		
Boom	Shoe width Length Height of diffuser		Overall width (retracted)	Weight	
m	mm	mm	mm	mm	kg
	650	10 190	3 850	3 495	53 090
6.6	750	10 190	3 850	3 500	53 790
	900	10 190	3 850	3 650	54 890
	650	11 350	3 850	3 495	53 480
7.7	750	11 350	3 850	3 500	54 180
	900	11 350	3 850	3 650	55 280
* Height of rain cap			3 790		0
* Height of cyclone			3 850		
* Height of oil bath			4 100	_	

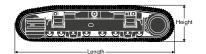
4 100



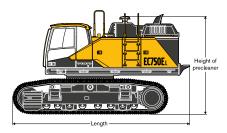


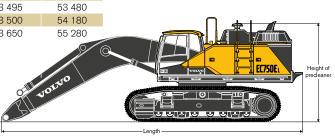


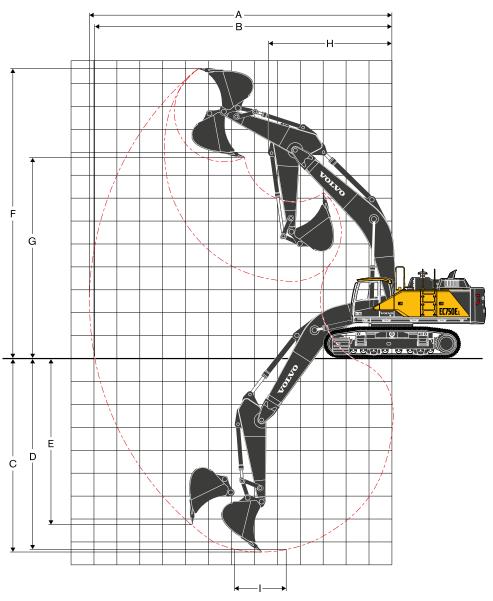












Description	Unit		EC7	'50E				
Boom	m	6.6		7.7				
Arm	m	2.9	2.9	3.55	4.2			
A Max. digging reach	mm	11 460	12 570	13 130	13 750			
B Max. digging reach on grou	ınd mm	11 160	12 300	12 870	13 500			
C Max. digging depth	mm	7 210	7 720	8 370	9 020			
D Max. digging depth (I = 2.4	4 m level) mm	7 060	7 570	8 240	8 900			
E Max. vertical wall digging d	epth mm	5 650	6 740	7 390	8 010			
F Max. cutting height	mm	10 940	12 430	12 600	12 910			
G Max. dumping height	mm	7 000	8 450	8 650	8 970			
H Min. front swing radius	mm	5 130	5 460	5 390	5 430			
DIGGING FORCES WITH	DIRECT FIT B	UCKET						
Breakout force -bucket SAI	E J1179 kN	323/342	300/318	303/320	303/320			
(Normal/Power boost) ISC	6015 kN	362/383	336/356	339/359	339/359			
Tearout force -dipper arm SAI	EJ1179 kN	311/329	316/334	277/293	248/262			
(Normal/Power boost) ISC	6015 kN	319/337	322/341	282/298	252/266			
Rotation angle, bucket	kN	174	174	174	174			

Specifications

LIFTING CAPACITY EC750E

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.

coupler from the follo			S.	4.5	i m	6.0) m	7.5	i m	9.0) m	10.	5 m	M	ax. reach	
		Lifting hook related to ground		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across	Max.
		level			00	00	00		00	00	00	00	00	00		'''
Boom:		9.0 m												*16 400		
Arm : Shoe :	2.9m	7.5 m 6.0 m				*22 880	*22 880	*19 940 *20 430	*19 940 20 410					*15 240 *14 880	*15 240 *14 880	
CWT:	750mm 12 100kg	4.5 m	kg kg	*33 920	*33 920	*25 800	*25 800	*21 760	19 760	*16 820	14 740			*15 040	14 540	
		3.0 m	kg	*39 030		*28 770		*23 270	19 030	19 960	14 430			*15 680	13 770	
		1.5 m 0 m	kg			*30 760 *31 190		*24 380 *24 610	18 410 18 020	19 640	14 130			*16 890 *18 910	13 640 14 160	
		-1.5 m	kg kg			*29 850		*23 410	17 930					*20 100	15 560	
		-3.0 m	kg	*33 640	*33 640		25 100							*19 670		7.4
Boom :	7.7m	-4.5 m		*24 610	*24 610									*17 610 *18 710		
Arm :	2.9m	9.0 m						*18 420	*18 420						*16 850	
Shoe:	750mm	7.5 m	kg		+00.070	+00.000	+00.000	*18 760	*18 760	*17 490	14 980			*15 990		
CWT:	12 100kg	6.0 m 4.5 m			*30 070	*26 700	*23 680	*19 930 *21 450	19 770 18 880	*17 750 *18 440	14 740 14 300			*15 710 *15 830	12 570 11 540	
		3.0 m				*29 170	24 850		18 040	*19 140	13 830			15 370	11 030	
		1.5 m	kg			*30 150		*23 660	17 400		13 450			15 300	10 940	
		0 m -1.5 m		*28 620	*28 620	*29 650 *27 930		*23 640 *22 590	17 040	18 680 *18 250	13 220 13 190			15 790 *16 270	11 260 12 120	
		-3.0 m			*29 680		23 880		17 150	10 200	10 130			*15 600	13 820	
		-4.5 m		*23 420	*23 420	*19 770	*19 770	*14 870	*14 870					*13 960		
Boom : Arm :	6.6m 2.9m	9.0 m 7.5 m						*19 940	*19 940					*16 400 *15 240	*16 400	
Shoe:	650mm	6.0 m				*22 880	*22 880		20 240					*14 880		
CWT:	12 100kg	4.5 m	kg	*33 920	*33 920		*25 800		19 590		14 610			*15 040		
		3.0 m 1.5 m			*39 030 *34 330		26 400	*23 270 *24 380	18 860 18 240	19 770 19 440	14 290 13 990			*15 680 *16 890	13 640 13 510	
		0 m	kg		39 310		24 730		17 850	13 440	10 000			*18 910	14 020	
		-1.5 m				*29 850		*23 410	17 760					*20 100		
		-3.0 m -4.5 m		*24 610	*33 640	126 230	24 860							*19 670	18 420 *17 610	
		10.5 m			21010									*18 710		
Boom:	7.7m	9.0 m						*18 420	*18 420	*4.7.400	1.1.0.10			*16 850		
Arm : Shoe :	2.9m 650mm	7.5 m 6.0 m	kg kg		*30 070	*23 680	*23 680	*18 760 *19 930	19 600	*17 490 *17 750	14 840 14 600			*15 990 *15 710	14 220 12 440	
CWT:	12 100kg	4.5 m		00 010	00 010	*26 700	26 160		18 710	*18 440	14 160			*15 830	11 430	
		3.0 m	_			*29 170		*22 840		*19 140	13 690			15 210		
		1.5 m 0 m	_			*30 150 *29 650	23 700	*23 660 *23 640	17 230 16 870	18 730 18 480	13 310 13 080			15 130 15 630	10 820 11 140	
		-1.5 m	kg	*28 620	*28 620			*22 590		*18 250	13 060			*16 270	11 990	
		-3.0 m				*24 870		*20 150	16 980					*15 600		
Boom :	7.7m	-4.5 m		*23 420	*23 420	19 770	*19 770	*14 870 *15 240	*14 870 *15 240					*13 960 *14 200	*13 960	
Arm:	3.55m	9.0 m	kg											*13 060	*13 060	8.9
Shoe:	650mm	7.5 m	- 0						*17 560	*16 330 *16 870	15 180 14 830			*12 530	*12 530 11 410	
CWT:	12 100kg	6.0 m 4.5 m	kg kg			*25 240	*25 240	*18 850 *20 520	*18 850 19 030	*17 730	14 340	15 440	11 150	*12 380 *12 530	10 540	
		3.0 m	kg			*28 110	25 140	*22 140	18 110	*18 610	13 810	15 160	10 890	*12 950	10 080	11.0
		1.5 m 0 m				*29 770 *29 970		*23 280 *23 650	17 360 16 890		13 360 13 040			*13 710 14 330		11.0
		-1.5 m			*29 290			*23 070				14 750	10 300		10 880	
		-3.0 m	kg	*32 770	*32 770	*26 430	23 380	*21 300	16 760					*15 220	12 180	9.5
		-4.5 m						*17 670	17 140					*14 280 *11 760		
Boom:	7.7m	-6.0 m		*18 590	18 590	13 010	13 010							*11380	*11380	
Arm:	4.2m	9.0 m	kg							*14500	*14500			*10570	*10570	9.7
Shoe:	650mm	7.5 m						*17600	*17600	*15190	*15190	*10470	*10470	*10170	*10170	
CWT:	12 100kg	6.0 m 4.5 m		*30630	*30630	*23520	*23520	*17600 *19370	19290	*15880 *16850	15010 14450	*14770 *15200	11490 11220	*10050 *10160	*10050 9590) 11.5
		3.0 m	kg			*26680	25570	*21170	18280	*17880	13860	15170	10880	*10470	9190	11.6
		1.5 m		*00710	*00710	*28890	24150 23310		17420	*18730	13330	14840	10580	*11030		11.6
		0 m -1.5 m			*20710 *28190	*29730 *29230	22960	*23310 *23160	16810 16490	18350 18120	12940 12720	14600 14500	10350 10260	*11890 *13230		11.3
		-3.0 m	kg	*35020	*35020	*27440	22970	*21950	16440	*17740	12710			*14380	10780	10.2
		-4.5 m -6.0 m			*30170 *22890	*24130 *18480	23310 *18480		16680 *13740	*14690	13010			*13820 *12320	12630 *12320	
Noton 1	Machine in "	•	_				10400	13140	13740					12020	12020	, 1.0

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

LIFTING CAPACITY EC750E

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.

coupler from the follo		wing value	s.									- 10	_			
		Lifting		4.5	m	6.0) m	7.5	m	9.0) m	10.	5 m	M	ax. reach	
		hook														
		related to		Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Max.
		ground		UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	m
		level														
Boom:	7.7m	10.5 m	kg					*15 240	*15 240					*14 200	*14 200	7.6
Arm:	3.55m	9.0 m	kg											*13 060	*13 060	8.9
Shoe:	750mm	7.5 m	kg					*17 560	*17 560	*16 330	15 310			*12 530	*12 530	9.8
CWT:	12 100kg	6.0 m	kg					*18 850	*18 850	*16 870	14 970			*12 380	11 520	10.5
		4.5 m	kg			*25 240	*25 240			*17 730	14 470	15 600	11 270		10 650	
		3.0 m	kg			*28 110	25 380		18 280	*18 610	13 950	15 320	11 000	*12 950	10 190	
		1.5 m	- 0			*29 770	-	*23 280	17 540		13 490	15 060	10 760		10 080	
		0 m	kg			*29 970		*23 650	17 060	18 640	13 180	14 910	10 610	14 490	10 330	
		-1.5 m	kg		*29 290	*28 850		*23 070	16 860		13 050			15 450	10 990	
		-3.0 m	kg		*32 770	*26 430		*21 300	16 930	*16 900	13 170			*15 220	12 310	
		-4.5 m						*17 670	17 310						*14 280	
_		-6.0 m	kg		*18 590	*15 010	*15 010							*11 760	*11 760	
Boom:	7.7m	10.5 m								+4.4.500	*4.4.500			*11 380	*11 380	
Arm :	4.2m	9.0 m	-							*14 500		*10 470	*10.470	*10 570		
Shoe:	750mm	7.5 m						*17.600	*17.600	*15 190		*10 470	*10 470	*10 170	*10 170	
CWT:	12 100kg	6.0 m 4.5 m		*20 620	*30 630	*23 520	*23 520	*17 600 *19 370	*17 600	*15 880 *16 850	15 140 14 590	*14 770 *15 200		*10 050 *10 160	*10 050	11.5
		3.0 m		30 030	30 030	*26 680	25 810		18 450		14 000	15 330	11 000	*10 470	9 290	
		1.5 m	kg kg			*28 890		*22 580	17 590		13 470	15 000	10 690			11.6
		0 m	kg		*20 710			*23 310	16 980	18 550	13 070	14 760	10 460			11.3
		-1.5 m						*23 160	16 660		12 850			*13 230	9 880	
		-3.0 m			*35 020		23 210		16 620		12 850	14 000	10070	*14 380	10 890	
		-4.5 m				*24 130		*19 290		*14 690				*13 820	12 760	
		-6.0 m	kg			*18 480	*18 480				10 100			*12 320		
Boom:	6.6m	9.0 m												*16 400	*16 400	
Arm:	2.9m	7.5 m						*19 940	*19 940					*15 240		
Shoe:	900mm	6.0 m				*22 880	*22 880	*20 430	*20 430					*14 880		
CWT:	12 100kg	4.5 m	kg		*33 920	*25 800	*25 800	*21 760	20 020	*16 820	14 950			*15 040	14 740	9.1
		3.0 m	kg	*39 030	*39 030	*28 770	26 990	*23 270	19 290	*20 060	14 630			*15 680	13 970	9.3
		1.5 m	kg	*34 330	*34 330	*30 760		*24 380	18 670	19 930	14 330			*16 890	13 840	9.2
		0 m	kg	*41 570	40 240	*31 190	25 320	*24 610	18 290					*18 910	14 370	8.9
		-1.5 m	kg		*38 750	*29 850		*23 410	18 190					*20 100	15 790	
		-3.0 m	kg		*33 640	*26 230	25 450							*19 670		
		-4.5 m	kg	*24 610	*24 610									*17 610	*17 610	
Boom:	7.7m	10.5 m						*40.400	*40.400					*18 710	*18 710	
Arm :	2.9m	9.0 m						*18 420	*18 420	*17 100	1E 100			*16 850		
Shoe : CWT :	900mm 12 100kg	7.5 m 6.0 m	kg kg	*20.070	*30 070	*23 680	*23 680	*18 760 *19 930	*18 760 *19 930	*17 490 *17 750	15 190 14 950			*15 990 *15 710	14 550 12 750	
CVVI.	12 100kg	4.5 m			30 070	*26 700		*21 450	19 140		14 500			*15 830	11 720	
		3.0 m				*29 170	25 200		18 300	*19 140	14 040			15 620	11 200	
		1.5 m				*30 150		*23 660	17 660		13 650			15 540	11 110	
		0 m	kg			*29 650		*23 640	17 300	18 970	13 420			16 040	11 440	
		-1.5 m		*28 620	*28 620	*27 930		*22 590	17 220		13 400			*16 270	12 310	
		-3.0 m	kg		*29 680	*24 870		*20 150	17 420					*15 600	14 030	
		-4.5 m		*23 420										*13 960		
Boom:	7.7m	10.5 m						*15 240	*15 240					*14 200	*14 200	
Arm:	3.55m	9.0 m	kg											*13 060	*13 060	8.9
Shoe:	900mm	7.5 m	kg					*17 560	*17 560		15 520			*12 530	*12 530	9.8
CWT:	12 100kg	6.0 m	kg					*18 850	*18 850	*16 870	15 170			*12 380	11 690	10.5
		4.5 m						*20 520		*17 730	14 680	15 840		*12 530	10 810	10.8
		3.0 m				*28 110		*22 140		*18 610				*12 950		
		1.5 m				*29 770		*23 280		*19 260				*13 710	10 240	
		0 m				*29 970		*23 650		18 940		15 150	10 780		10 490	
		-1.5 m	_		*29 290			*23 070		*18 800	13 260			*15 560	11 170	
		-3.0 m		*32 770				*21 300		*16 900	13 370			*15 220		
		-4.5 m		*27 180				11/6/0	17 580						*14 280	
Da	7 7 ~~	-6.0 m		*18 590	18 590	15010	15010								*11 760	
Boom:	7.7m	10.5 m	kg							*1 4 500	*14 500			*11 380	*11 380	
Arm:	4.2m	9.0 m									*14 500 *15 190	*10.470	*10.470		*10 570	
Shoe:	900mm	7.5 m						*17.600	*17 600					*10 050		
CWT:	12 100kg	6.0 m			*20 620	*02 500	*02 500					*14 770 *15 200				
		4.5 m 3.0 m			*30 630	*23 520 *26 680	*23 520	*21 170	*19 370	*17 880	14 210			*10 160 *10 470	9 840 9 440	
		1.5 m				*28 890		*22 580		*18 730	13 680			*11 030	9 330	
		0 m			*20 710			*23 310		18 840	13 280			*11 890	9 5 1 0	
		-1.5 m		*28 190				*23 160		18 610	13 060			*13 230	10 040	
		-3.0 m		*35 020				*21 950		*17 740		1 7 300	10 040	*14 380	11 070	
				*30 170				*19 290		*14 690	13 360			*13 820	12 960	
				*22 890											*12 320	
			(5) c 116:1	1.1										

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

Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets Tier 4f EU (Stage IV) requirements

Air filter with indicator

Air intake heater

Cyclone pre-cleaner

Electric engine shut-off

Fuel filter and water separator

Alternator, 80 A

Fuel filler pump, 100 I/min with automatic shut-off

Electric / Electronic control system

Contronics

Advanced mode control system

Self-diagnostic system

Machine status indication

Engine speed sensing power control

Emergency engine stop switch

Automatic idling system

Short cut switch

Safety stop/start function

Adjustable 8inch LCD color monitor

Master electrical disconnect switch

Engine restart prevention circuit

High-capacity halogen lights:

iigh capacity halogen

Cab-mounted 2

Frame-mounted 2

Boom-mounted 4

Batteries, 2 x 12 V / 210 Ah

Start motor, 24 V / 7 kW

Frame

Access way with handrail

Full height counterweight 12 100kg

Tool storage area

Side walk-way

Under cover (heavy duty 4.5mm)

Punched metal anti-slip plates

Undercarriage

Mechanically retractable track gauge

Hydraulic track adjusters

Greased and sealed track link

Hydraulic System

Hose rupture valve: boom

Overload warning device

Automatic sensing hydraulic system

Summation system

Boom priority

Arm priority

Swing priority

ECO mode fuel saving technology

Boom and arm regeneration valves

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

STANDARD EQUIPMENT

Cab and interior

Silicon oil and rubber mounts with spring

Adjustable operator seat with heater and joystick control console

Control joysticks with 4 switches each

Heater & air-conditioner, automatic

Flexible antenna

AM/FM stereo with MP3, USB and bluetooth input

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

Master key

Track Guard

Under cover (10mm)

Track shoes

Track shoes, 650 mm with double grouser

Digging equipment

Boom: ME 6.6 m

Arm: ME 2.9 m

Manual centralized lubrication

OPTIONAL EQUIPMENT

Engine

Block heater: 120 V, 240 V

Dual stage oil bath pre-cleaner

Diesel coolant heater, 10 kW, 12kW

Water separator with heater

Auto engine shutdown

Electric

Extra work lights: Halogen/LED

Cab-mounted 3 (front 2, rear 1)

Boom-mounted 4

Frame-mounted 2

Counterweight-mounted 1

Travel alarm

Anti-theft system

Rotating warning beacon

OPTIONAL EQUIPMENT

Frame

Full height counterweight:

12 100kg removal type

Undercarriage

Full track guard

Hydraulic System

Hose rupture valve: arm

Straight travel pedal

Bucket conflux

Boom float function with HRV

Boom float function without HRV

Hydraulic piping:

Work tool management system (up to 20 programmable memories)

Hammer & shear, 1 and 2 pump flow

Hammer & shear: variable flow and pressure pre-setting

Additional return filter

Slope & rotator

Grapple

Quick coupler piping

Hydraulic oil, ISO VG 32, 68

Hydraulic oil, biodegradable 46

Hydraulic oil, longlife oil 32, 46, 68

Hydraulic hose for Artic

OPTIONAL EQUIPMENT

Cab and interior

One-piece fixed front windshield

Fabric seat without heater

Fabric seat with heater and air suspension

Control joysticks with semi-long

Control joysticks with 3 switch & 1 propotional

Pilot control pattern changw

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

Sunlight protection, roof (steel)

Lower wiper with intermittent control

Cleaning air gun

Rear view camera

Side view camera

Anti-vandalism kit

Specific key

Track shoes

750/900mm track shoes with double grousers

Digging equipment

Boom: 7.7m

Arm: 2.9m, 3.55m, 4.2m

Service

Tool kit, daily maintenance

Tool kit, full scale

Special tool for retractable frame

Automatic lubrication system

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Auto lubrication system

Bucket conflux



Side view camera



Dual stage oil bath pre-cleaner



Boom float



One piece fixed windshield



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.

