

Volvo Excavators 8.6-10.0 t 58 hp



Volvo Construction Equipment



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.

Small machines, big results

With decades of experience in the design and manufacture of compact excavators and wheel loaders, our range of compact machinery is designed with customer success in mind. Built from the same DNA as large Volvo machinery, our compact range sets the standard for efficiency performance and uptime – complemented by an extensive range of Volvo attachments for maximum versatility.

Building on our proud history, the Volvo Concept Lab continues to create cutting-edge ideas and innovative concepts – such as our award-winning electric compact machines – to ensure we offer our customers machines which deliver big results 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

Powered to perform

Volvo proudly introduces the new ECR88D compact short swing radius excavator. Featuring a powerful Volvo engine and perfectly matched hydraulic system, this machine delivers high performance, excellent control and low fuel consumption. Sustain optimum power and productivity with Volvo.

Volvo engine

Volvo's premium Tier 4f / Stage V engine delivers superior performance and low fuel consumption. The engine features an Exhaust After Treatment System (EATS) to lower emissions and a regeneration process that does not interrupt operation, performance or productivity.



Slew and boom offset

Slew and boom offset movements are controlled simultaneously for easy and fast positioning of the machine. Joystick control enables precise, smooth and effortless command of the slew and boom offset.



Tractive force

High system pressure delivers impressive tractive force when climbing gradients or traveling over rough terrain. For improved performance, the ECR88D boasts a 16% improvement in tractive force compared to the previous model.





ENHANCED Hydraulics

Volvo's state-of-the-art hydraulic system is perfectly matched to the Volvo engine and components – delivering high performance and improved fuel efficiency. The hydraulic system has been designed for fast response and smooth operation.

Stability you can count on

Whether you're working in the road construction, utilities, landscaping or any other application, the ECR88D will give you access to more jobsites, where you can work closer to obstacles, safely. With a heavy counterweight and strong undercarriage, this machine delivers superior stability. And with easy service access you'll enjoy maintenance made easy with Volvo.

Service access

For safe and easy access, all service check points are located under the wide-opening engine hood and are accessed from ground level. Grouped filters ensure regular maintenance is straightforward and uptime is maximized.



Single pivot pin

Volvo uses a single pivot design that achieves maximum support between main frame and front equipment, This concept increases, stability, durability and lifetime of the components.



MATRIS and VCADS Pro

For increased uptime, Volvo's high-tech, computer-based MATRIS tool allows you to monitor machine usage and analyze machine operation. VCADS Pro analysis and programming software provides fast diagnostics.







Design improvements including a counterweight have shifted the center of gravity towards the rear of the machine. Together with a strong undercarriage, this delivers superior stability while lifting bigger loads.

Visibly better

At Volvo we know that when operators are comfortable they experience less fatigue and work more productively. That's why the premium, Volvo designed cab provides superior visibility, a safe and spacious working environment and easy to access controls. Step inside and see the results for yourself.

Climate control

Control your climate with Volvo's powerful, industry-leading climate control system. With seven well-spaced vents quickly heating or cooling the cab, this air circulation and defrosting system increases comfort and productivity.



Ease of control

Control your machine with minimal effort in order to get more done in less time. The keypad groups all controls on the right hand side and the 7" color LCD screen displays all machine information for access to functions through its easy to use menus. Through the hot keys, the operator can directly access pre-set functions for added convenience.



Proportional joysticks

Via the joystick controls, the operator can easily adjust the direction and amount of hydraulic flow sent to the attachment. Benefit from the correct speed and power for optimal attachment operation.



Storage

The Volvo cab features ample storage locations for personal belongings including an additional glove-box, side pocket, phone storage, cup holder and a pocket behind the seat.





VOLVO CAB

All-around visibility from slim cab pillars and large expanses of glass is at the center of Volvo's cab design. The ROPS certified cab features vibration and noise isolation, ergonomic controls and an adjustable seat for increased comfort, reduced fatigue and increased productivity.

One machine, many job sites

Volvo offers a wide range of durable attachments that are suitable for any job site, including utilities, building, agriculture, landscaping and forestry. Volvo attachments are an integrated part of the excavator for which they're intended – delivering maximum productivity and versatility.

Quick coupler

Both the mechanical and the hydraulic quick couplers allow a complete range of buckets to be changed quickly and efficiently.



Breaker

Volvo's durable hydraulic breakers have been designed for ultimate compatibility with Volvo excavators. The wide range of breaker tools (or bits) has been built to break all kinds of materials and combines excellent performance with low noise and vibration levels.

Buckets

A complete range of buckets from general purpose reinforced buckets to ditching buckets, allow the ECR88D to work on many job sites for a wide range of applications. The durable buckets are built to work in loose gravel, crushed rock, dirt and soil.



Steelwrist tiltrotator

A factory ready Volvo compact excavator together with a Steelwrist[®] tiltrotator delivers the ultimate combination of high productivity, safety, precision and control. Steelwrist tiltrotators provide a superior tilt angle and the compact design with low build height results in improved digging performance and higher fuel efficiency. Get more done with your machine, without changing attachment or machine position.







ATTACHMENTS VERSATILITY

The machine's attachment can be easily changed to save time and costs. Its design, hydraulics, piping and in-cab controls combined with Volvo's attachments range allows the ECR88D to take on a variety of tasks. Volvo attachments work in harmony with the machine to deliver maximum productivity.

Built to get the job done

Enhanced hydraulics

The hydraulic system is perfectly matched to the engine and components for fast response and smooth operation.

Stability

A heavy counterweight and a strong undercarriage deliver superior stability and the ability to lift bigger loads.

Service access

All service check points are accessed from ground level. Grouped filters make regular maintenance easy.

Single pivot pin

Volvo uses a single pivot design that achieves maximum support between main frame and front equipment, This concept increases, stability, durability and lifetime of the components

Optional hydraulics

For increased versatility, auxiliary hydraulic systems are available to enable the operation of a wide range of attachments.

MATRIS and VCADS Pro

The MATRIS tool monitors machine usage and operation. VCADS Pro analysis and programming software provides fast diagnostics.

ECO mode

The ECO mode provides optimal working performance together with fuel saving.



Optional dozer floating

The optional dozer blade float function 'floats' the dozer blade over the ground for improved leveling control and fuel efficiency.

Undercarriage

Durable and strong X-shape undercarriage ensures superior stability and increases Single pivot pin machine lifetime.

Auto engine shutdown

The auto engine shutdown provides lower fuel costs, less noise, much lower maintenance costs and a greater resales value.

Auto idle

Engine speed is reduced to idle when the controls are inactive for more than five seconds or the left-hand console is raised – reducing fuel consumption and noise.

Volvo engine

Tier 4f / Stage V compliant Volvo Engine delivers superior performance with low fuel consumption.



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.

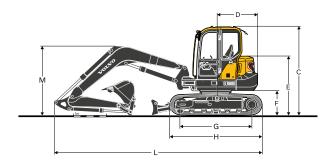
Volvo ECR88D in detail

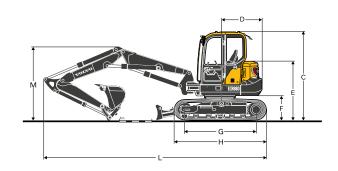
The new Tier 4f / Stage V compliant diesel engine is turbocharged and water cooled.	equipped	l with in-line,
Model	Volvo	D2.6H
Max. power at	r/min	2 000
Net (ISO 9249/SAEJ1349)	kW	41
	hp	56
Gross (SAE J1995)	kW	42.4
	hp	57
Max. torque	Nm	220
at engine speed	r/min	1300
No. of cylinders		4
Displacement	I	2.62
Bore	mm	87
Stroke	mm	110
Electrical system		
Voltage	V	12
Batteries	V	1 x 12
Battery capacity	Ah	100
Alternator	V/Ah	12/70
Starter motor output	V - kW	12 - 2.5
Hydraulic system		
Open-center, negative hydraulic system providing ac	ccurate co	ntrollabilty
Main pump: Variable-displacement pump		
Maximum flow	l/min	2 x 68 + 54
Pilot pump: Gear pump		
Maximum flow	l/min	13
Relief valve setting pressure		
Implement	MPa	29.4
Travel circuit	MPa	29.4
Swing circuit	MPa	24.5
Pilot circuit	MPa	3.4
Swing system		
Direct drive swing with radial piston motor-mainten automatic holding brake anti-rebound valve.	ance free	and
Max. swing speed	r/min	8.3
Max. swing torque	kNm	22.9

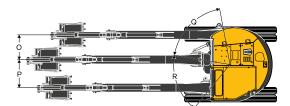
Engine

Robust X-shaped frame with sea	led and grease	d track chains.								
Track shoes			2 x 3							
Link pitch		mm	15							
Shoe width - steel mm 450 / 60										
Shoe width - rubber mm 45										
Bottom rollers 2 x										
Top rollers 2										
Travel System										
Each track is powered by an auto track brakes are multi-disc, sprin										
Travel speed low		km/h	2.							
Travel speed high		km/h	5.							
Max. drawbar pull		kN	6							
Gradeability		٥	3							
Service Refill										
Fuel tank		I	11							
Hydraulic system, total		I	14							
Hydraulic tank		I	8							
Engine oil		I	10.							
Engine coolant		I	9.							
Travel reduction unit		I	2 x 1.							
Cab										
Refrigerant of the type R134a is with air conditioning. Contains fl Warming Potential 1.430 t CO ₂ -	uorinated greer									
Sound Level										
Sound level in cab according to	ISO 6396									
L _{pA}		dB	7							
External sound level according t 2000/14/EC	o ISO 6395 ar	nd EU Noise D	1							
			Irective							
L _{WA}		dB								
L _{WA}		dB	9							
L _{WA}	Width	dB Weight	9 Capacity							
L _{WA}	mm	Weight kg	9 Capacity I							
L _{WA}	mm 300	Weight kg 111	9 Capacity I 79							
L _{WA} Buckets	mm 300 450	Weight kg 111 139	9 Capacity 1 79 143							
L _{WA}	mm 300 450 600	Weight kg 111 139 162	9 Capacity 1 79 143 200							
L _{WA} Buckets	mm 300 450 600 750	Weight kg 111 139 162 182	9 Capacity 1 79 143 200 266							
L _{WA} Buckets	mm 300 450 600 750 900	Weight kg 111 139 162 182 205	9 Capacity 1 79 143 200 266 333							
L _{WA} Buckets	mm 300 450 600 750 900 450	Weight kg 111 139 162 182 205 132	9 Capacity 1 79 143 200 266 333 143							
L _{WA} Buckets	mm 300 450 600 750 900	Weight kg 111 139 162 182 205	9 Capacity 1 79 143 200 266 333							

Specifications







DIN	DIMENSIONS							
Ma	chine	ECR88D						
Boo	m	3.55 (mono)	3.85	(2pcs)			
Arm	1	m	1.7	2.1	1.7	2.1		
А	Overall width of upper structure	mm	2 260	2 260	2 260	2 260		
В	Overall width	mm	2 300 / 2 450	2 300 / 2 450	2 300 / 2 450	2 300 / 2 450		
С	Overall height of cab	mm	2 715	2 715	2 715	2 715		
D	Tail swing radius	mm	1 290	1 2 9 0	1 3 2 0	1 3 2 0		
Е	Overall height of engine hood	mm	1 810	1 810	1 810	1 810		
F	Counterweight clearance *	mm	760	760	760	760		
G	Tumbler length	mm	2 200	2 200	2 200	2 200		
Н	Track length	mm	2 830	2 830	2 830	2 830		
1	Track gauge	mm	1850	1850	1850	1850		
J	Shoe width	mm	450/600	450/600	450/600	450/600		
К	Min. ground clearance *	mm	405	405	405	405		
L	Overall length	mm	6 370	6 4 2 0	6 810	6 860		
М	Overall heght of boom	mm	2 115	2 230	2 247	2 455		
0	Boom swing distance	mm	760	760	756	756		
Ρ	Boom swing distance	mm	860	860	863	863		
Q	Boom swing angle	0	7	0	70			
R	Boom swing angle	0	6	0	6	0		

* Without shoe grouser

Specifications





Boom and Arm

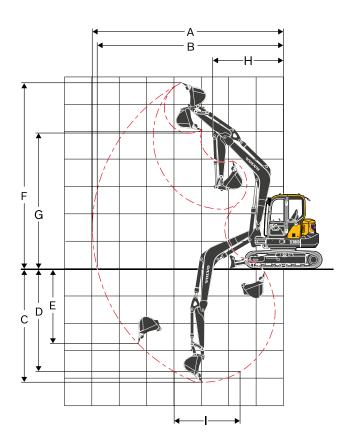
			Bo	om	A	rm
			3.55 m (mono)	3.85 m (2pcs)	1.7 m	2.1 m
А	Length	mm	3 700	4 030	2 283	2 684
В	Heigth	mm	1 2 4 4	983	518	562
	Width	mm	335	340	305	305
	Weight	kg	530	774	280	340

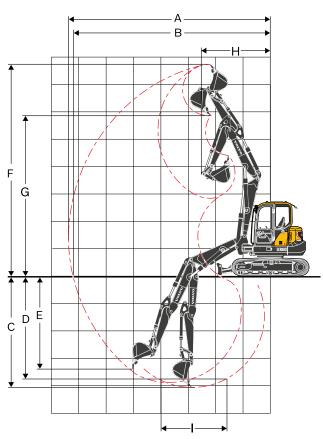
Boom: Includes cylinder, piping and pin, excludes boom cyl. Pin. Arm: Includes cylinder, linkage and pin.

Doz	er blade		
А	Height	mm	470
	Width	mm	2 300
В	Lifting height	mm	518
С	Digging depth	mm	433



	Shoe width	Operating weight	Ground pressure kPa				
	mm	kg					
Mono boom 3.55 m, Arm 1.7 m, Bu	cket 188 kg (266 l), Counterweight	400 / 1 610 kg					
Steel track	450	8 939 / 9 149	40.2 / 41.1				
	600	9 108 / 9 318	30.7 / 31.4				
Rubber track	450	8 752 / 8 962	39.4 / 40.3				
Rubber pad	450	8 988 / 9 198	40.2 / 41.2				
Nono boom 3.55 m, Arm 2.1 m, Buc	cket 188 kg (266 l), Counterweight 1	400 / 1 610 kg					
Steel track	450	8 997 / 9 207	40.5 / 41.4				
	600	9 166 / 9 376	30.7 / 31.6				
Rubber track	450	8 810 / 9 020	39.6 / 40.6				
Rubber pad	450	9 046 / 9 256	40.5 / 41.4				
2pcs boom 3.85 m, Arm 1.7 m, Buc	ket 188 kg (266 l), Counterweight 1	610 kg					
Steel track	450	9 488	42.7				
	600	9 656	32.6				
Rubber track	450	9 301	41.8				
Rubber pad	450	9 537	42.7				
2pcs boom 3.85 m, Arm 2.1 m, Bucl	ket 188 kg (266 l), Counterweight 1	610 kg					
Steel track	450	9 546	42.9				
	600	9 714	32.8				
Rubber track	450	9 359	42.1				
Rubber pad	450	450 9 595					





WORKING RANGES						
Description		Unit				
Boom		m	3.55	(mono)	3.85	(2pcs)
Arm		m	1.7	2.1	1.7	2.1
A Max. digging reach		mm	6 970	7 350	7 380	7 790
B Max. digging reach on ground		mm	6 800	7 180	7 220	7 640
C Max. digging depth		mm	4 130	4 530	4 090	4 480
D Max.digging depth (I=2 440mm level)		mm	3 750	4 200	3 790	4 220
E Max. vertical wall digging depth		mm	2 820	3 200	3 430	3 870
F Max. cutting height		mm	6 790	7 050	7 720	8 240
G Max. dumping height		mm	4 960	5 220	5 840	6 380
H Min. front swing radius		mm	2 560	2 640	2 530	2 700
Digging forces with direct fit bucket						
Duranland four (humbot)	SAE J1179	kN	50.7	50.4	50.7	50.4
Breakout force (bucket)	ISO 6015	kN	57.2	56.8	57.2	56.8
T	SAE J1179	kN	38.9	33.8	38.9	33.8
Tearout force (arm)	ISO 6015	kN	39.8	34.4	39.8	34.4
Rotation angle, bucket		0	1	190	19	90

Specifications

LIFTING CAPACITY ECR88D

101111	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.																		
					1.0) m	2.0) m	3.0) m	4.0) m	5.0	m	6.0) m	N	lax. read	ch
		Liftin	ig po	sinτ	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	mm
Boom	3.55 m	5.0	m	kg							*1 540	*1540					*1 620	*1 620	4 585
Arm	1.7 m	4.0	m	kg							*1 600	*1600	*1560	1450			*1 580	1290	5 3 4 5
Shoe	Rubber 450 mm	3.0	m	kg					*2 510	*2 510	*1 920	*1920	*1660	1420			*1 550	1 110	5 789
CWT	1400 kg	2.0	m	kg					*3 740	2 940	*2 360	1920	*1 850	1 370	*1 610	1030	*1 600	1030	6 0 0 3
Dozer	blade down	1.0	m	kg							*2 720	1830	*2 030	1330	*1 650	1 010	*1 650	1 010	6 014
		0.0	m	kg					*3 810	2 750	*2 850	1780	*2 100	1290			*1 690	1040	5 825
		-1.0	m	kg			*3 570	*3 570	*3 890	2 760	*2 730	1 770	*2 000	1290			*1730	1160	5 410
		-2.0	m	kg			*4 870	*4 870	*3 240	2 800	*2 310	1790					*1740	1430	4 695
		-3.0	m	kg					*1 930	*1 930							*1540	*1540	3 4 3 3
Boom	3.55 m	5.0	m	kg							*1 540	*1 540					*1 620	1580	4 585
Arm	1.7 m	4.0	m	kg							*1 600	*1 600	*1 560	1 370			1540	1220	5 3 4 5
Shoe	Rubber 450 mm	3.0	m	kg					*2 510	*2 510	*1 920	1 910	*1660	1340			1340	1050	5 789
CWT	1400 kg	2.0	m	kg					3 580	2 750	2 310	1 810	1650	1290	1240	970	1240	970	6 0 0 3
Dozer	blade up	1.0	m	kg							2 2 2 0	1720	1600	1250	1220	950	1220	950	6 014
		0.0	m	kg									1 570				1260	980	5 825
		-1.0											1560	1 210				1090	
		-2.0					*4 870	*4 870	*3 240		2 180	1690						1350	
		-3.0							*1 930	*1 930							*1 540	*1540	3 4 3 3
Boom	3.55 m	6.0		-													*1 520		
Arm	2.1 m	5.0											*1 400				*1330		
	Rubber 450 mm												*1360				*1 230		
	1400 kg		m	0									*1490						6 184
Dozer	blade down	2.0		0									*1700					910	6 382
		1.0	m										*1 910				*1330		6 393
		0.0											*2 040		*1 610	970	*1 490		6 217
													*2 020					1000	
					*3 990	*3 990							*1750	1260			*1 600		
	0.55	-3.0					*3 940	^3 940	^2 550	^2 550	*1690	^1690						*1 560	
	3.55 m	6.0											*1 4 0 0	1 0 7 0			*1 520		
	2.1 m		m										*1400				*1 330		
	Rubber 450 mm										*1 000	*1 000	*1360		1.05.0	000	*1 230		
	1 400 kg blade up	3.0 2.0							*2 100	0.010			*1 490 1 640			980 960	1 190	930 860	6 184
Dozer	biade up												1 5 8 0			980	1 110 1 090	840	6 382 6 393
		0.0	m	_									1540		1 180	910	1 120	860	6 217
				5	*2 670	*2 670	*3 000	*3 000					1520		1100	910	120	940	5 835
													1540					1 130	
		-3.0			5 5 5 5 0	5 5 5 5 0	*3 940						1340	1100			*1560		
Boom	3.55 m	5.0	_				3 340	3 340	2 3 3 0	2 330	*1 540						*1 620		
Arm		4.0		0									*1 560	1530			*1 580		
	Rubber 450 mm			<u> </u>					*2 510	*2 510			*1 660				*1 550		
	1 610 kg	2.0											*1 850		*1 610				
	blade down	1.0		_					0110	0 110			*2 030						
2020		0.0		-					*3 810	2 930			*2 100				*1 690		
		-1.0					*3 570	*3 570					*2 000				*1 730		
		-2.0		-					*3 240									1 5 3 0	
		-3.0								*1930							*1540		
Boom	3.55 m	5.0										*1 540					*1 620		
Arm		4.0		0									*1 560	1450			*1 580		
	Rubber 450 mm			-					*2 510	*2 510			*1660					1 1 2 0	
	1 610 kg	2.0											1740		1320	1030			
	blade up	1.0		-									1690						
		0.0		-					3 580	2 740			1660					1050	
		-1.0	m	kg			*3 570	*3 570					1 650				1490	1 160	5 410
		-2.0		-			*4 870	*4 870	*3 240	2 790	2 300	1800					*1 740	1440	4 6 9 5
				kg					+1 000	*1 930							*1 5 4 0	*1 E 4 O	3 4 3 3

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

LIFTING CAPACITY EC Lifting capacity at the ar		out buck	et.													
For lifting capacity includ			-	actual w	eight o	f the dire	ect fit bu	ucket or	the buc	ket with	quick c	oupler fr	om the	following	g values	
		1.0) m	2.0	m	3.0	m	4.0) m	5.0) m	6.0) m	N	- lax. read	h
	Lifting poin	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	mm
Boom 3.55 m	6.0 m kç	3												*1 520	*1 520	3 96
Arm 2.1 m	5.0 m kę]								*1400	*1400			*1 330	*1 330	5 09
Shoe Rubber 450 mm	4.0 m kg	9								*1360	*1360			*1 230	1 190	5 77
CWT 1610 kg	3.0 m kç	9						*1660	*1660	*1 490	*1 490	*1 410	1 110	*1 210	1 0 5 0	6 18
Dozer blade down	2.0 m kg	3				*3 190	3 170	*2 120	2 0 4 0	*1 700	1450	*1 490	1080	*1 250		6 38
	1.0 m kç	·				*3 640	2 950	*2 540	1930	*1 910	1390	*1 580	1060	*1 330	960	639
	0.0 m kg	,								*2 040		*1 610	1040			6 21
	-1.0 m kg	-													1 070	
	-2.0 m kę		*3 990							*1 750	1340				1280	
	-3.0 m kę			*3 940	*3 940	*2 550	*2 550	*1 690	*1 690						*1560	
Boom 3.55 m	6.0 m kç									44.400					*1 520	
Arm 2.1 m	5.0 m kç	-								*1 400					*1 330	
Shoe Rubber 450 mm	-	,						+1 000	*1 000	*1 360		1000	1050	*1 230		5 77
CWT 1610 kg	3.0 m kg	-				*2 10.0	0.000			*1 490					990	6 18
Dozer blade up	2.0 m kg									*1700		1 3 0 0		1 180	920	638
	1.0 m kg									1 670 1 630		1270 1250	990 970	1 160 1 190	900 930	6 39 6 21
	0.0 m kg -1.0 m kg		*9 670	*3 000	*3 000						1270	1250	970		930 1 010	583
	-2.0 m kg	-													1 210	
	-3.0 m kg		0.000	*3 940							1270				*1560	
Boom 3.85 m 2-piece	6.0 m kg			3 340	5 540	2 330	2 330		*2 070					-	*2 070	
Arm 1.7 m	5.0 m kç									*1 730	1490			*1 700		5 14:
Shoe Rubber 450 mm		-				*2 540	*2 540			*1 710					1 120	
CWT 1610 kg	3.0 m kg	, ,				20.0	2010			*1 820		*1540	1050		980	6 2 2
Dozer blade down	2.0 m kç									*1940					910	6 41
	1.0 m kç	, ,								*2 000					890	6 4 2
	0.0 m kç									*1940						6 2 5
	-1.0 m kç	-				*2 840	2 730			*1 710					1 010	5 87
	-2.0 m kç	-				*2 080	*2 080	*1 700	*1700	*1 180	*1 180			*970	*970	5 2 3
Boom 3.85 m 2-piece	6.0 m kç	3						*2 070	2 0 4 0					*2 070	2 010	4 02
Arm 1.7 m	5.0 m kg	3						*1 880	*1 880	*1 730	1 410			1680	1330	5 142
Shoe Rubber 450 mm	4.0 m kg	3				*2 540	*2 540	*2 000	*2 000	*1 710	1400			1360	1060	5 816
CWT 1610 kg	3.0 m kg	9						*2 290	1930	1720	1350	1280	990	1 190	920	6 22
Dozer blade up	2.0 m kg	3						2 300	1 790	1650	1290	1250	960	1 110	860	6 418
	1.0 m kg	3						2 190	1680	1 590	1230	1220	930	1090	840	6 4 2 8
	0.0 m kę	3						2 140	1630	1550	1 190	1200	910	1130	860	6 254
	-1.0 m kç									1540				*1 190	950	5 875
	-2.0 m kę					*2 080	*2 080	*1700	1650	*1 180	*1 180			*970	*970	5 2 38
Boom 3.85 m 2-piece	7.0 m kę													*2 380		
Arm 2.1 m	6.0 m kç								*1760						*1540	
Shoe Rubber 450 mm		-								*1 540		44 100	1.070		1 190	
CWT 1610 kg	4.0 m kç					+0.0.0	+0.015			*1 570					980	6 25
Dozer blade down	3.0 m kç	-				^2 910	^2 910			*1 690						6 62
	2.0 m kg	,								*1 840					810	6 80
	1.0 m kg					*0 150				*1 940				*1 230		6 81
	0.0 m kg -1.0 m kg			*2 060	*2 060					*1 930				*1 180	810 880	6 65 6 30
	-1.0 m kç -2.0 m kç			*3 010								1290	540	*940		5 72
	-3.0 m kç			3 010	3 0 10	*1 420				1410	1220			*610		4 810
Boom 3.85 m 2-piece	7.0 m kç					1420	1420	- 110	1110					*2 380		
Arm 2.1 m	6.0 m kg	-						*1 760	*1 760						*1540	
	5.0 m kç									*1 540	1440				1 1 3 4 0	
CWT 1610 kg	4.0 m kç	-								*1 570		1300	1 0 1 0	1 190		6 25
Dozer blade up	3.0 m kç					*2 910	*2 910			*1 690			990	1060	810	6 62
	2.0 m kg					2 0 10	2010			1650			950	1000	760	6 80
	1.0 m kg	-								1 570			910	980	740	6 81
	0.0 m kg	5				*2 150	*2 150			1 5 2 0		1 170	880	1000	760	6 65
	-1.0 m kç			*2 060	*2 060							1 160	870	1080	820	6 30
	-2.0 m kg	-		*3 010									5.0	*940		5 726
		3		2 0.0		*1420								*610		4 81

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

Equipment

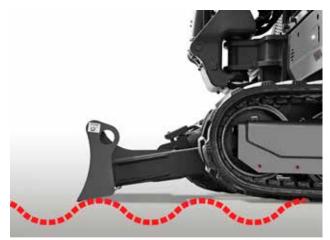
STANDARD EQUIPMENT	OPTIONAL EQUIPMENT
Engine	Electric / Electronic control system
Low-emission Tier 4f / Stage V compliant diesel engine	Fuel filler pump: 35 l/min, with automatic shut-off
Standard cooling system	Auto engine shutdown
Two-stage air filter	LED light
Fuel filter and water separator	Extra working lights:
Alternator, 70 A	1ea on Cab rear
Full auto regeneration	1ea on boom LH
ECO mode	1ea on boom LH (1st boom) for 2-piece boom
Electric / Electronic control system	Caretrack
Safe engine start function	Travel alarm
Automatic idling system	Anti theft, code-lock
Halogen working lights:	Rotating warning beacon
2ea on Cab front top LH/RH each	Frame
Battery, 12 V / 100 Ah	Rearview mirror
Start motor, 12 V / 2.5 kW	Rearview Camera
Monitor and keypad	Dozer blade with floating function
Master electrical disconnect switch	1 610kg Heavy counterweight
Frame	Wide dozer blade for 600mm shoe
1 400kg counterweight	Undercarriage
Under cover	450mm, 600mm steel track
Dozer blade	450mm rubber pad
Undercarriage	Hydraulic system
Greased and sealed track link	Hydraulic piping:
450mm rubber track	Breaker & shear
Hydraulic system	Breaker & shear - Max. flow: 118 I/min (X1 single) 68 I/min (X1 double) - Pressure: 21.6 MPa (X1 single) 29.4 MPa (X1 double)
Automatic two speed travel motors	Slope & rotator
Cylinder cushioning	- Max. flow: 28 l/min - Pressure: 14.7 Mpa
Hydraulic fluid mineral 46	Grapple
Cab and interior	Quick coupler
Glasses	ISO/SAE pilot control pattern change
Cup holder	Hose rupture valve for boom and arm
Storage area	Overload warning device
Door locks	Hydraulic oil, ISO VG 32, 68
Floor mat	Hydraulic oil, biodegradable 46
Horn	Hydraulic oil, longlife oil 46
Seat belt, 2 inch retractable	Arm cyl Pipe with HRV 2 piece boom
Seat belt alarm	Cab and interior
Heater and air-conditioner	Carecab
Fabric operator seat without heater	Сапору
Control joystick	Fabric operator seat with heater
Travel pedals and hand levers	PVC operator seat without heater
Master key	PVC operator seat with heater
Hour meter (non analog)	Fabric operator seat with heater with Air suspension
Digging equipment	PVC operator seat with heater with Air suspension
Boom: 3.55m, Arm: 1.7m	Headrest
Linkage	Control joystick, X3 proportional
Service	Seat belt, 3 inch retractable
Tool kit-daily maintenance	Radio with MP3/AUX
Official approval	Boom swing pedal
Machine conforming to European directive 2006/42/EC	Rain visor
Noise emissions in the environment conforming to directive 2000/14/EC	Digital hour meter
Hand Arm vibrations, Whole body vibrations compliant with directive	Cab mounted FOG (Falling Object Guard)
2002/44/EC	FOPS (Falling Object Protection Structure)
Electromagnetic compatibility (EMC) conforming to European directive 2004/108/EC and its amendments	Sun screen, front/roof
Object handling device conforming to EN474-1 and EN474-5 standards (when equipped)	Safety net Digging equipment
FOPS Level 2 conforming to ISO3449 standard (when equipped)	2-piece boom: 3.85m
ROPS conforming to ISO12117-2 standards	Arm: 2.1m
TOPS conforming to ISO12117 and EN 13531 standards	Service
FOG Level 2 conforming to ISO10262 standard and SAE J1356	Tool kit, full scale
standard (when equipped)	Spare parts

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Slope and rotator piping



Dozer float



Caretrack



Fuel filler pump

Rearview Camera



Digital hour meter



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.

VOLVO