

Volvo Excavators 8.6-10.0 t / 19,010-22,050 lb 58 hp

ECR88D



Welcome to our world

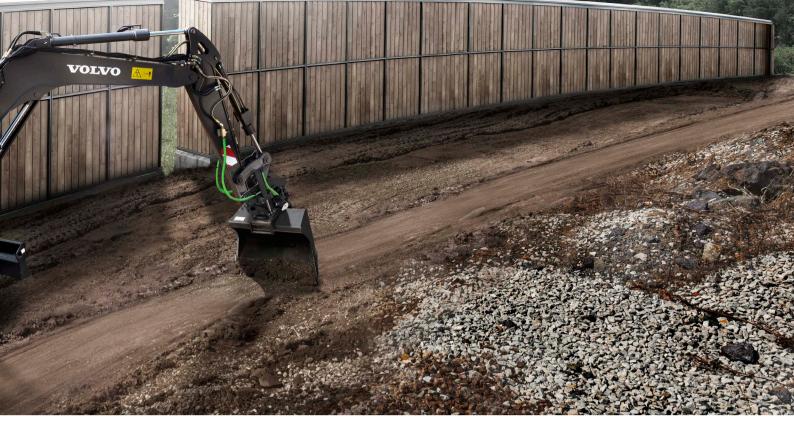
Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability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







Productivity



Safety



Financial Services



Uptime Services



Rental Services



Attachments



Volvo Parts



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

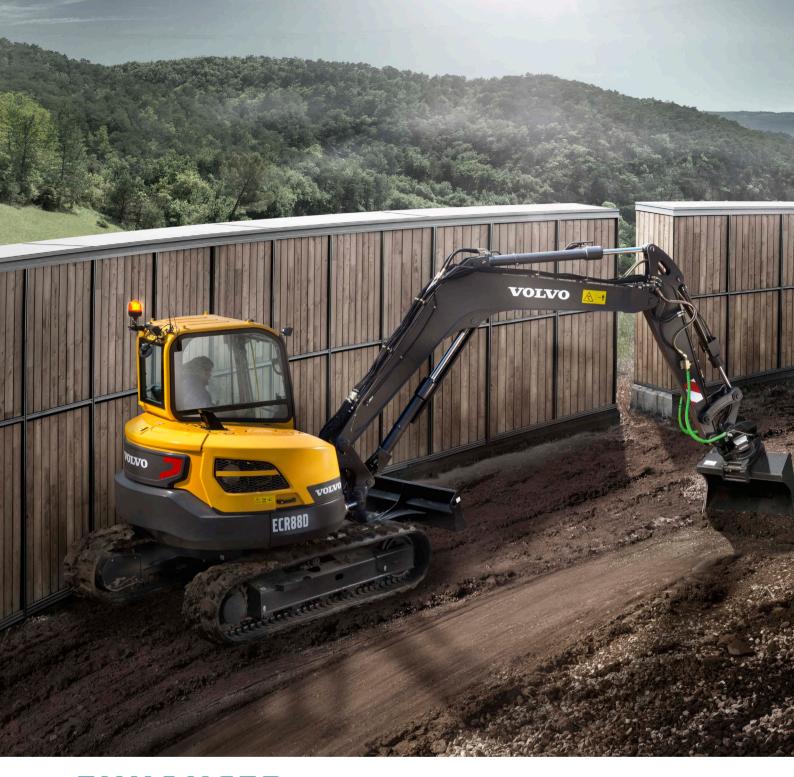
Slew and boom offset movements are controlled simultaneously for easy and fast positioning of the machine. Joystick control enables precise, smooth and effortless command of the slew and boom offset.



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

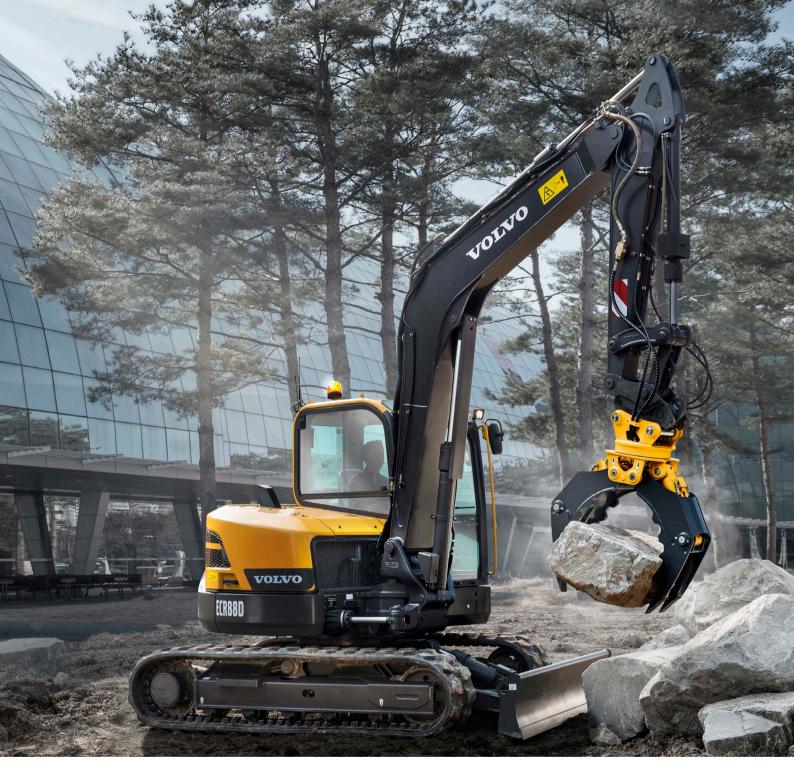
Volvo uses a single pivot design that achieves maximum support between main frame and front equipment, This concept increases, stability, durability and lifetime of the components.



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.





STABILITY

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

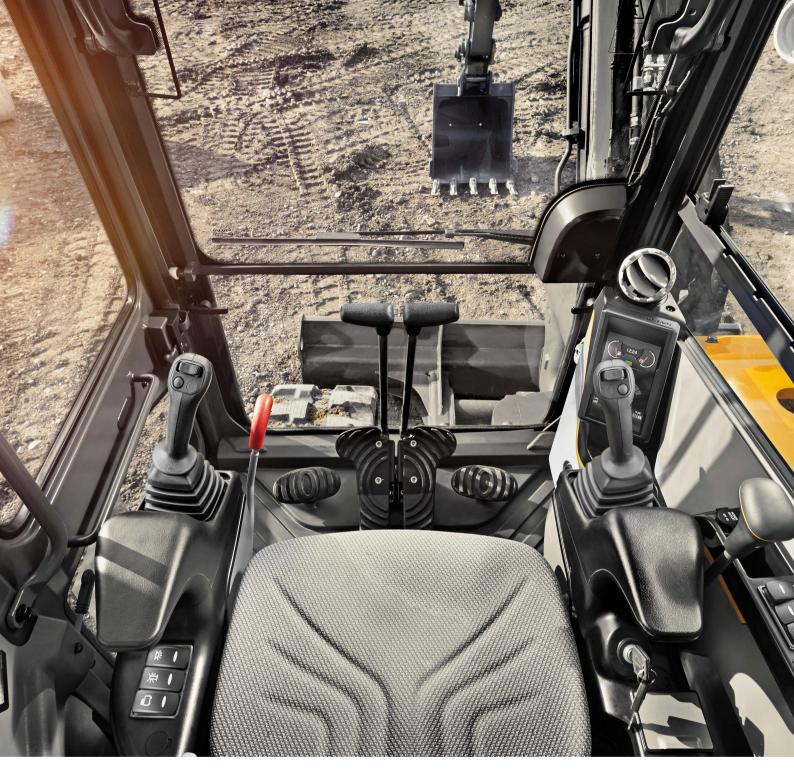
Via the joystick controls, the operator can easily adjust the direction and amount of hydraulic flow sent to the attachment. Benefit from the correct speed and power for optimal attachment operation.



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.



Thumb

Designed to work with both Volvo direct fit buckets and Volvo quick coupler, the Volvo thumb makes handling material easy for tasks including piling, placing, loading, lifting and carrying.



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 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 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 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

Engine		
The new Tier 4f / Stage V complia turbocharged and water cooled.	nt diesel engine is	equipped with in-line,
Model	Volvo	D2.6H
Max. power at	r/min (r/s)	2,000 (33.3)
Net (ISO 9249/SAEJ1349)	kW (hp)	41 (55)
Gross (SAE J1995)	kW (hp)	42.4 (57)
Max. torque	Nm (ft lbf)	220 (162)
at engine speed	r/min	1,300
No. of cylinders		4
Displacement	l (in³)	2.62 (160)
Bore	mm (in)	87 (3.4)
Stroke	mm (in)	110 (4.3)
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 sy	stem providing acc	curate controllabilty
Main pump: Variable-displacemen	nt pump	
Maximum flow	l/min (gal/ min)	2 x 68 + 54 (2 x 18 + 14)
Pilot pump: Gear pump		
Maximum flow	l/min (gal/ min)	13 (3.4)
Relief valve setting pressure		
Implement	MPa (psi)	29.4 (4,264)
Travel circuit	MPa (psi)	29.4 (4,264)
Swing circuit	MPa (psi)	24.5 (3,553)
Pilot circuit	MPa (psi)	3.4 (493)
Swing system		
Direct drive swing with radial pisto automatic holding brake anti-rebo		nce free and
Max. swing speed	r/min	8.3
		,

kNm (ft lbf)

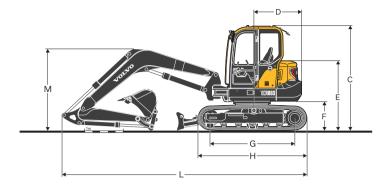
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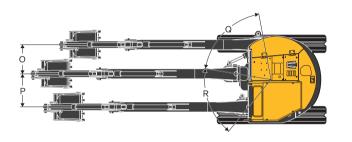
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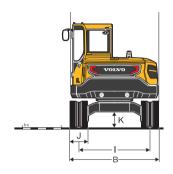
Buckets							
	Wi	dth	We	ight	Capacity		
	mm	in	kg	lb	I	cu.in	
	300	12	111	250	79	4,820	
	450	18	139	310	143	8,730	
Direct bucket	600	24	162	360	200	12,200	
	750	30	182	400	266	16,230	
	900	35	205	450	333	20,320	
	450	18	132	290	143	8,730	
Quick coupler bucket	600	24	156	340	200	12,200	
	700	28	171	380	244	14,890	
	850	33	191	420	310	18,920	

Max. swing torque

Specifications







DIN	IENSIONS						
Mad	chine						
Boo	m	m	ft in	3.55	11'8"	3.55	11'8"
Arm		m	ft in	1.7	5'7"	2.1	6'11"
Α	Overall width of upper structure	mm	ft in	2,260	7'5"	2,260	7'5"
В	Overall width	mm	ft in	2,300 / 2,450	7'7" / 8'0"	2,300 / 2,450	7'7" / 8'0"
С	Overall height of cab	mm	ft in	2,715	8'11"	2,715	8'11"
D	Tail swing radius	mm	ft in	1,290	4'3"	1,290	4'3"
Е	Overall height of engine hood	mm	ft in	1,810	5'11"	1,810	5'11"
F	Counterweight clearance *	mm	ft in	760	2'6"	760	2'6"
G	Tumbler length	mm	ft in	2,200	7'3"	2,200	7'3"
Н	Track length	mm	ft in	2,830	9'3"	2,830	9'3"
1	Track gauge	mm	ft in	1,850	6'1"	1,850	6'1"
J	Shoe width	mm	ft in	450/600	1'6" / 1'12"	450 / 600	1'6" / 1'12"
K	Min. ground clearance *	mm	ft in	405	1'4"	405	1'4"
L	Overall length	mm	ft in	6,370	20'11"	6,420	21'1"
M	Overall heght of boom	mm	ft in	2,115	6'11"	2,230	7'4"
О	Boom swing distance	mm	ft in	760	2'6"	760	2'6"
Р	Boom swing distance	mm	ft in	860	2'10"	860	2'10"
Q	Boom swing angle		0	7	0	7	0
R	Boom swing angle		0	6	0	60	

^{*} Without shoe grouser

Specifications

Boom and Arm





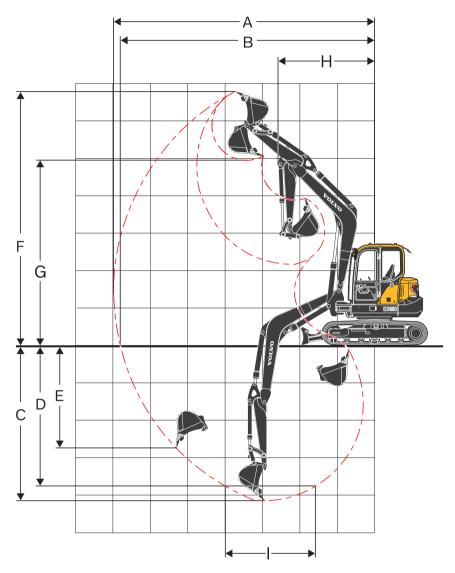
				Во	om	Arm					
		m	ft in	3.55	11'8"	1.7	5'7"	2.1	6'11"		
Α	Length	mm	ft in	3,700	12'2"	2,283	7'6"	2,684	8'10"		
В	Heigth	mm	ft in	1,244	4'1"	518	1'8"	562	1'10"		
	Width	mm	ft in	335	1'1"	305	1'0"	305	1'0"		
	Weight	kg	lb	530	1,170	280	620	340	750		

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

Doz	er blade				
Α	Height	mm	ft in	470	1'7"
	Width	mm	ft in	2,300	7'7"
В	Lifting height	mm	ft in	518	1'8"
С	Digging depth	mm	ft in	433	1'5"



MACHINE WEIGH	TS AND GROUND PRE	SSURE					
	Shoe	width	Operatin	g weight	Ground pressure		
	mm	in	kg	lb	kPa	psi	
Mono boom 3.55 r	m 11'8", Arm 1.7 m 5'7"	Bucket 188 kg (266	I) 410 lb, Counterwe	ight 1 610 kg / 3,549) lb		
Steel track	450	18	9,149	20,170	41.1	6.0	
	600	24	9,318	20,543	31.4	4.55	
Rubber track	450	18	8,962	19,758	40.3	5.9	
Rubber pad	450	18	9,198	20,278	41.2	6.0	
Mono boom 3.55 r	m 11'8", Arm 2.1 m 6'11	", Bucket 188 kg (266	6 I) 410 lb, Counterwe	eight 1 400 / 1 610 kg	3,086 / 3,549 lb		
Steel track	450	18	9,207	20,298	41.4	6.0	
	600	24	9,376	20,671	31.6	4.6	
Rubber track	450	18	9,020	19,886	40.6	5.9	
Rubber pad	450	18	9,256	20,406	41.4	6.0	



VORKING RANGES							
Description		U	nit				
Boom		m	ft in	3.55	11'8"	3.55	11'8"
Arm		m	ft in	1.7	5'7"	2.1	6'11"
A Max. digging reach		mm	ft in	6,970	22'10"	7,350	24'1"
B Max. digging reach on ground	d	mm	ft in	6,800	22'4"	7,180	23'7"
C Max. digging depth			ft in	4,130	13'7"	4,530	14'10"
D Max.digging depth (I=2.44m / 8' level)			ft in	3,750	12'4"	4,200	13'9"
E Max. vertical wall digging depth			ft in	2,820	9'3"	3,200	10'6"
F Max. cutting height		mm	ft in	6,790	22'3"	7,050	23'2"
G Max. dumping height		mm	ft in	4,960	16'3"	5,220	17'2"
H Min. front swing radius		mm	ft in	2,560	8'5"	2,640	8'8"
Digging forces with direct fit buc	ket				-		
Dunglious forms (burglios)	SAE J1179	kN	lb	50.7	11,400	50.4	11,330
Breakout force (bucket)	ISO 6015	kN	lb	57.2	12,860	56.8	12,770
Tagrant fares (arm)	SAE J1179	kN	lb	38.9	8,740	33.8	7,600
Tearout force (arm)	ISO 6015	kN	lb	39.8	8,950	34.4	7,730
Rotation angle, bucket			0	1	90	1:	90

Specifications

Lifting capacity a For lifting capaci	ty includi				otract ac	tual weig	ght of the	e direct f	it bucke	or the b	ucket w	ith quick	coupler	from the	followin	ıg values	
	Lifting point		1.0 m	, 3.3 ft	2.0 m	, 6.6 ft	3.0 m	, 9.9 ft	4.0 m	13.2 ft	5.0 m,	16.5 ft	6.0, 1	19.8 ft	N	lax. reac	h
	m ft	1	Along	Across	Along	Across	Along	Across		Across	Along	Across	Along	Across	Along		Max
	5.0	kg lb								*1,540 *3,395					*1,620 *3,571	*1,620 *3,571	4.6 ı 15.0
	4.0	kg							*1,600 *3,527	*1,600	*1,560 *3,439	1,530			*1,580 *3,483	1,360 *2,998	5.3 i
Boom 3.55 m,	3.0	kg					*2,510	*2,510	*1,920	*3,527 *1,920	*1,660	*3,373 1,500			*1,550		5.8
11'8"	9.9						*5,534 *3,740	*5,534 3,110	*4,233 *2,360	*4,233	*3,660 *1,850	*3,307 1,460	*1,610	1,100	*3,417 *1,600	*2,601 1,090	19.0
Arm 1.7 m, 5'7" Shoe Rubber	6.6	kg Ib					*8,245	*6,856	*5,203	*4,475	*4,079	*3,219	*3,549	*2,425	*3,527	*2,403	19.7
450 mm, 1'6"	1.0	kg Ib							*2,720 *5,997	1,940 *4,277	*2,030 *4,475	1,410 *3,109	*1,650 *3,638	1,080 *2,381	*1,650 *3,638	1,070 *2,359	6.0 19.7
CWT 1,610 kg / 3,550 lb	0.0	kg					*3,810	2,930	*2,850	1,900	*2,100	1,380	3,030	2,301	*1,690		5.8
Dozer blade	0.0 -1.0	lb kg			*3,570	*3,570			*6,283 *2,730	*4,189 1,890	*4,630	*3,042 1,370			*3,726 *1,730	*2,447 1,230	19.7 5.4
lown	-3.3				*7,870	*7,870	*8,576	*6,482	*6,019	*4,167		*3,020			*3,814	*2,712	17.7
	-2.0 -6.6	kg i Ih			*4,870	*4,870 *10,736	*3,240 *7,143	2,980 *6,570	*2,310 *5,093	1,910 *4,211					*1,740 *3,836	1,530 *3,373	4.7 15.4
	-3.0	kg			10,700	10,700	*1,930	*1,930	0,000	1,211					*1,540	*1,540	3.4
	-9.9 5.0	lb kg					*4,255	*4,255	*1,540	*1,540					*3,395 *1,620	*3,395 *1,620	11.3 4.6
	16.5	Ιb							*3,395	*3,395	+1 =00	1.450			*3,571	*3,571	15.0
	4.0	kg ! Ib							*1,600 *3,527	*1,600 *3,527	*1,560 *3,439	1,450 *3,197			*1,580 *3,483	1,290 *2,844	5.3
200m 2 EF	3.0	kg					*2,510	*2,510	*1,920	*1,920	*1,660	1,420			1,410	1,120	5.8
300m 3.55 m, 1'8"	9.9	lb kg					*5,534 *3,740	*5,534 2,920	*4,233 *2,360	*4,233 1,920	*3,660 1,740	*3,131 1,380	1,320	1,030	*3,109 1,310	*2,469 1,030	19.0
Arm 1.7 m, 5'7"	6.6	Ιb					*8,245	*6,437	*5,203	*4,233	*3,836	*3,042	*2,910	*2,271	*2,888	*2,271	19.
Shoe Rubber 150 mm, 1'6"	1.0	kg lb							2,340 *5,159	1,830 *4,034	1,690 *3,726	1,330 *2,932	1,300 *2,866	1,020 *2,249	1,290 *2,844	1,010 *2,227	6.0
CWT 1,610 kg/	0.0	kg					3,580	2,740	2,290	1,780	1,660	1,300	,	,	1,340	1,050	5.8
3,550 lb Dozer blade up	-1.0	lb kg			*3,570	*3,570	*7,893 3,590	*6,041 2,750	*5,049 2,280	*3,924 1,770	*3,660 1,650	*2,866 1,290			*2,954 1,490	1,160	19. 5.4
	-3.3	ΙĎ			*7,870 *4.070	*7,870	*7,915	*6,063	*5,027	*3,902	*3,638	*2,844			*3,285	*2,557	17.7
	-2.0 -6.6	kg i Ib				*4,870 *10,736	*3,240 *7,143	2,790 *6,151	2,300 *5,071	1,800 *3,968					*1,740 *3,836	*3,175	4.7 15.4
	-3.0	kg					*1,930 *4,255	*1,930							*1,540	*1,540	3.4
	-9.9 6.0	kg					⁴ ,255	*4,255							*1,520	*3,395 *1,520	4.0
	19.8	lb kg									*1.400	*1,400			*3,351 *1,330	*3,351 *1,330	13.0 5.1
	16.5											*3,086				*2,932	16.7
3.55 m,	4.0	kg									*1,360 *2,998	*1,360 *2,998			*1,230 *2,712	1,190 *2,623	5.8 19.0
1'8"	3.0	kg								*1,660	*1,490	*1,490	*1,410	1,110	*1,210	1,050	6.2
\rm 2.1 m, 6'11"	9.9	lb kg					*3,190	3,170	*3,660 *2,120	*3,660 2,040	*3,285 *1,700	*3,285 1,450	*3,109	*2,447 1,080	*2,668 *1,250	*2,315 980	20.3 6.4
Shoe Rubber	6.6						*7,033	*6,989	*4,674	*4,497	*3,748	*3,197	*3,285	*2,381	*2,756	*2,161	20.
150 mm, 1'6" CWT 1,610 kg/	1.0	kg lb					*3,640 *8,025	2,950 *6,504	*2,540 *5,600	1,930 *4,255	*1,910 *4,211	1,390 *3,064	*1,580 *3,483	1,060 *2,337	*1,330 *2,932	960 *2,116	6.4 21.0
3,550 lb	0.0	kg					*3,950	2,870	*2,770	1,860	*2,040	1,350	*1,610	1,040	*1,490	980	6.2
Dozer blade	0.0 -1.0	lb kg	*2 670	*2,670	*3 090	*3.090	*8,708		*6,107 *2,750	*4,101 1,840	*4,497 *2,020	*2,976 1,330	*3,549	*2,293	*3,285 *1,570	*2,161 1,070	20.4 5.8
lown	-3.3	Ιb	*5,886	*5,886	*6,812	*6,812	*8,907	*6,305	*6,063	*4,057	*4,453	*2,932			*3,461	*2,359	19.
	-2.0 -6.6			*3,990 *8,796						1,850 *4,079					*1,600 *3.527	1,280 *2,822	5.2 17.0
	-3.0	kg	-,, 00	2,.00	*3,940	*3,940	*2,550	*2,550	*1,690	*1,690	2,300	_,551			*1,560	*1,560	4.1
	-9.9 6.0	l lb kg			*8,686	*8,686	^5,622	^5,622	*3,726	*3,726						*3,439 *1,520	13.6 4.0
	19.8	lb.									+1 400	+1 400			*3,351	*3,351	13.0
	5.0	kg i Ib										*1,400 *3,086				*1,330 *2,932	5.1 16.7
	4.0	kg									*1,360	*1,360			*1,230	1,130	5.8
300m 3.55 m, 1'8"	3.0	l lb kg							*1,660	*1,660		*2,998 1,420	1,330	1,050	*2,712 *1,210	*2,491 990	19.0
1'8" .rm 2.1 m,	9.9	lb					+0.400	0.000	*3,660	*3,660	*3,285	*3,131	*2,932	*2,315	*2,668	*2,183	20.
5'11"	2.0	kg lb						2,980 *6,570	*2,120 *4,674			1,370 *3,020	1,300 *2,866	1,020 *2,249	1,180 *2,601	920 *2,028	6.4 20.
Shoe Rubber 50 mm, 1'6"	1.0	kg					3,600	2,760	2,330	1,820	1,670	1,310	1,270	990	1,160	900	6.4
WT 1,610 kg/	0.0	lb kg					*7,937 3,520	*6,085 2,680	*5,137 2,260	*4,012 1,750	*3,682 1,630	*2,888 1,270	*2,800 1,250	*2,183 970	*2,557 1,190	*1,984 930	21.0 6.2
3,550 lb Dozer blade up	0.0	lb	40.0==	40.0=	40.0-	40.0	*7,760	*5,908	*4,982	*3,858	*3,594	*2,800		*2,138	*2,623	*2,050	20.
ozei biaue up	-1.0 -3.3	kg lb		*2,670 *5,886			3,510 *7,738	2,670 *5,886	2,230 *4,916	1,720 *3,792	1,610 *3,549	1,250 *2,756			1,300 *2,866		5.8 19.
	-2.0	kg	*3,990	*3,990	*4,950	*4,950	*3,540	2,700	2,240	1,740	1,630	1,270			1,550	1,210	5.2
	-6.6 -3.0		*8,796	*8,796							*3,594	*2,800				*2,668	17.0
	-3.0 -9.9	kg lb			*3,940 *8,686	*3,940 *8,686	*2,550 *5,622	*2,550	*1,690 *3,726	*1,690 *3,726	,				*1,560 *3,439	*1,560 *3,439) 9

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

Engine

Low-emission Tier 4f / Stage V diesel engine

Standard cooling system

Two-stage air filter

Fuel filter and water separator

Alternator, 70 A

Full auto regeneration

ECO mode

Electric / Electronic control system

Safe engine start function

Automatic idling system

Halogen working lights:

2ea on Cab front top LH/RH each

Battery, 12 V / 100 Ah

Start motor, 12 V / 2.5 kW

Travel alarm

Monitor and keypad

Master electrical disconnect switch

Frame

1 610kg (3,549 lb) Heavy counterweight

Under cover

Dozer blade

Undercarriage

Greased and sealed track link

450mm rubber track

Hydraulic system

Automatic two speed travel motors

Cylinder cushioning

Hydraulic fluid mineral 46

ISO/SAE pilot control pattern change

Cab and interior

Canopy

Cup holder

Seat belt, 2 inch retractable

Seat belt alarm

Control joystick

Master key

Hour meter (non analog)

PVC operator seat with suspension

Travel pedals and hand levers

Digging equipment

Boom: 3.55m (11'8"), Arm: 1.7m (5'7")

Linkage

Service

Tool kit-daily maintenance

Official approval

Object handling device conforming to ISO20474-1 and ISO20474-5 standards (when equipped)

FOPS Level 2 conforming to ISO3449 standard (when equipped)

ROPS conforming to ISO12117-2 standards

TOPS conforming to ISO12117 and EN13531 standards

FOG Level 2 conforming to ISO10262 standard and SAE J1356 standard (when equipped)

OPTIONAL EQUIPMENT

Electric / Electronic control system

Fuel filler pump: 35 l/min, with automatic shut-off

Auto engine shutdown

LED light

Extra working lights:

1ea on Cab rear

1ea on boom LH

1ea on boom LH (1st boom) for 2-piece boom

Caretrack

Travel alarm

Anti theft, code-lock

Rotating warning beacon

Frame

Rearview mirror

Rearview Camera

Dozer blade with floating function

Wide dozer blade for 600mm (24") shoe

Undercarriage

450mm (18"), 600mm (24") steel track

450mm (18") rubber pad

Hydraulic system

Hydraulic piping:

Breaker & shear
- Max. flow: 118 I/min (31 gal/min) (X1 single) / 68 I/min (18 gal/min) (X1 double)
- Pressure: 21.6 MPa (3,132 psi) (X1 single) / 29.4 Mpa (4,264psi) (X1 double)

Slope & rotator - Max. flow and pressure: 28 l/min (7.4 gal/min) - Pressure: 14.7 MPa (2,130 psi)

Grapple

Quick coupler

Hose rupture valve for boom and arm

Overload warning device

Hydraulic oil, ISO VG 32, 68

Hydraulic oil, biodegradable 46

Hydraulic oil, longlife oil 46

Cab and interior

Carecab

Fabric operator seat with heater

PVC operator seat without heater

PVC operator seat with heater

Fabric operator seat with heater with Air suspension

PVC operator seat with heater with Air suspension

Heater and air-conditioner

Control joystick, X3 proportional

Seat belt, 3 inch retractable

Rain visor

Boom swing pedal

AM/FM stereo

Radio with MP3/AUX

Digital hour meter

Cab mounted FOG (Falling Object Guard)

FOPS (Falling Object Protection Structure)

Sun screen, front/roof

Safety net

Digging equipment

Arm: 2.1m (6'11")

Service

Tool kit, full scale

Spare parts

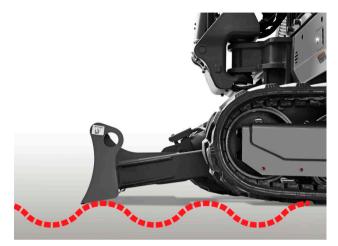
SELECTION OF VOLVO OPTIONAL EQUIPMENT

Slope and rotator piping





Dozer float



Caretrack



Fuel filler pump



Digital hour meter



Rearview Camera



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.

Notes

V O L V O