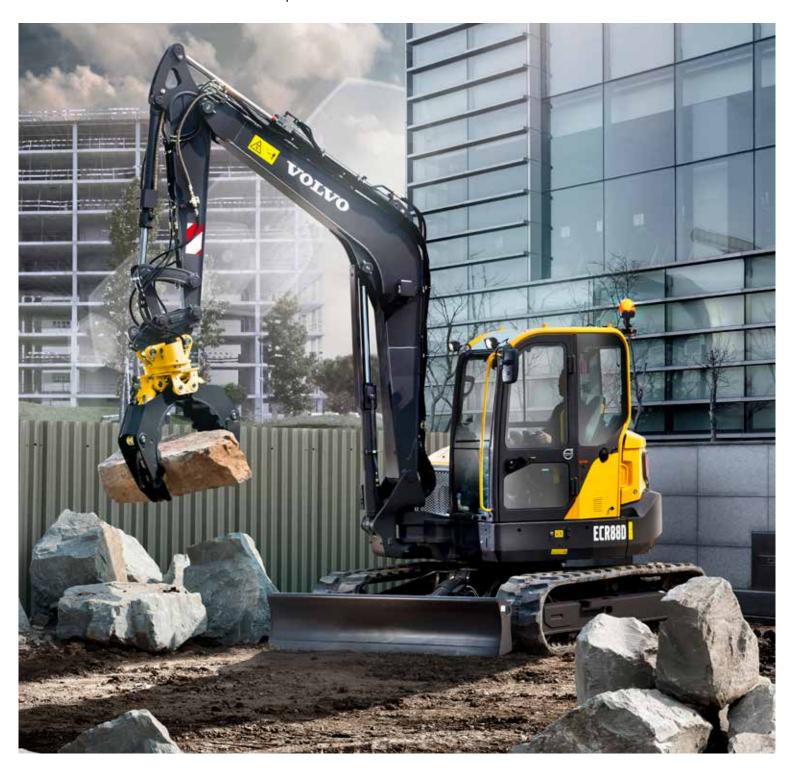


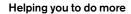
ECR88D

Volvo Excavators 8.6-9.5 t 58 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 Truck

































Volvo Penta

Volvo Financial Services

UD Trucks

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

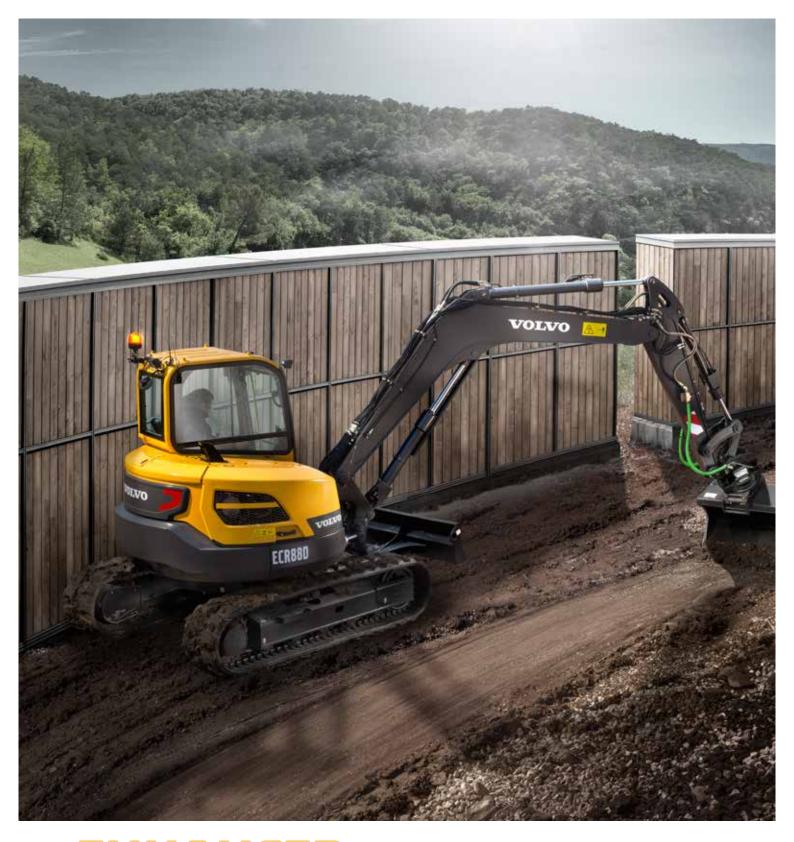
Slew and boom offset movements are controlled simultaneously for easy and fast positioning of the machine. Joystick control enables precise, smooth and effortless command of the slew and boom offset.



Tractive force

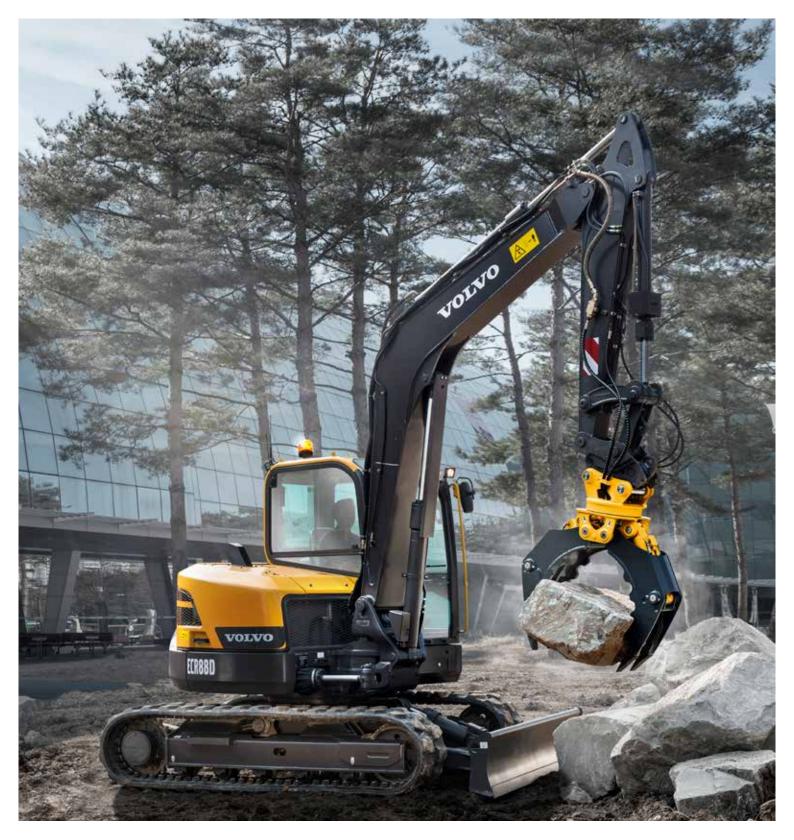
High system pressure delivers impressive tractive force when climbing gradients or traveling over rough terrain. For improved performance, the ECR88D boasts a 16% improvement in tractive force compared to the previous model.





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

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.

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.



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.



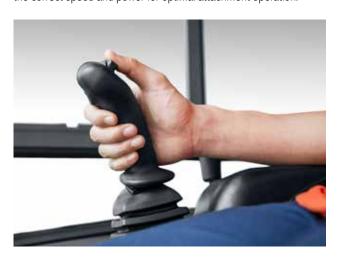
Keypad

The majority of switches are integrated in one centralized keypad on the right-hand console. The operator can easily control the I-ECU monitor and audio system for increased comfort.



Proportional joysticks

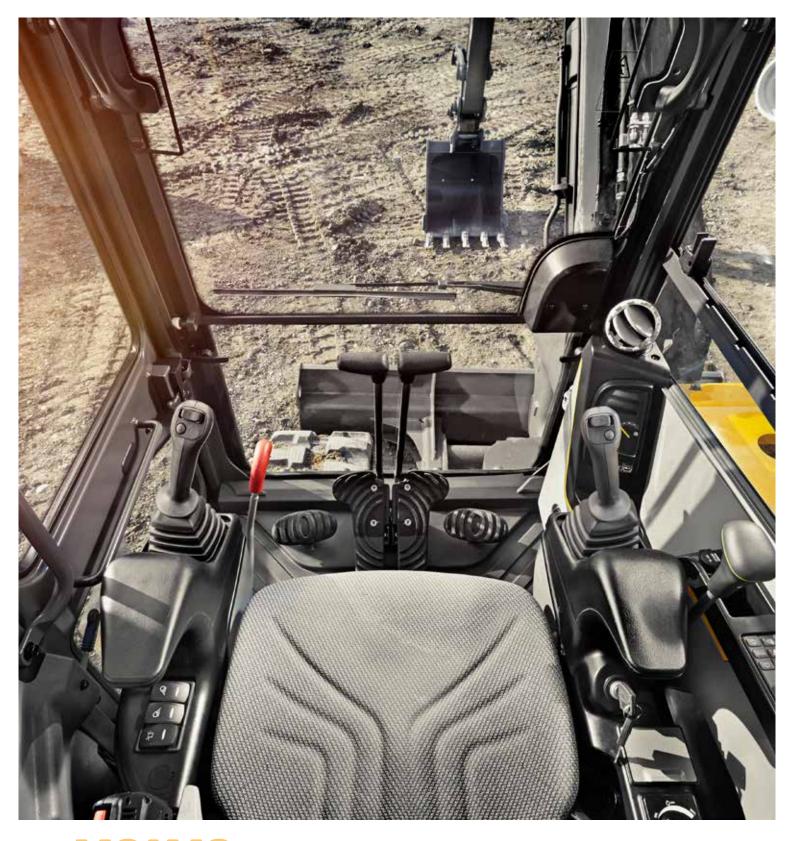
Via the joystick controls, the operator can easily adjust the direction and amount of hydraulic flow sent to the attachment. Benefit from the correct speed and power for optimal attachment operation.



Storage

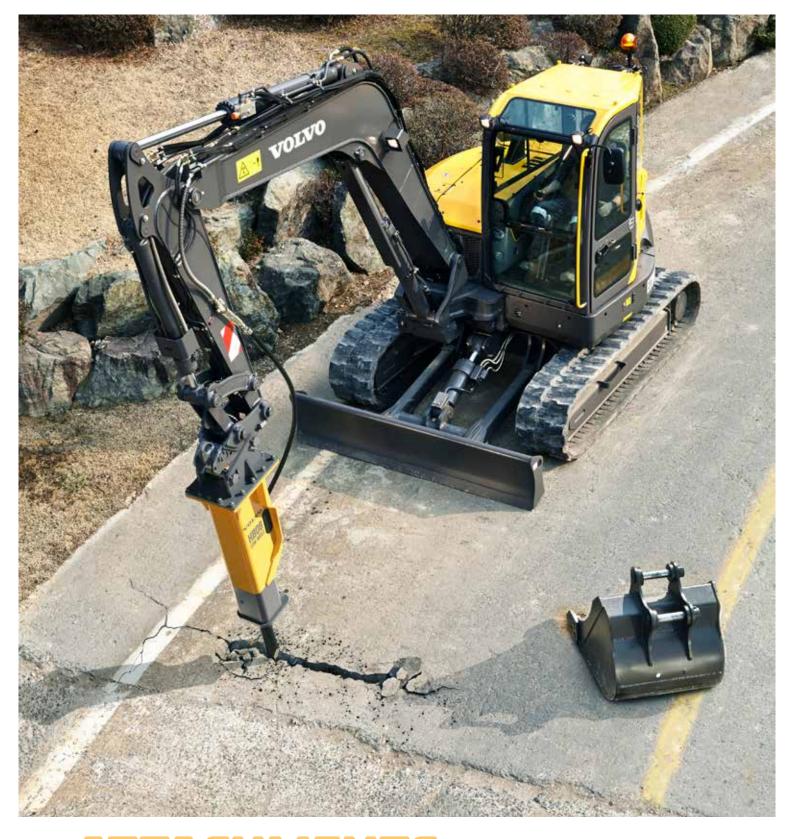
The Volvo cab features ample storage locations for personal belongings including an additional glove-box, side pocket, phone storage, cup holder and a pocket behind the seat.





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.



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.

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.



Built to get the job done

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.

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.

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.

Optional dozer floating

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

VOLVO CAB

Volvo's purpose designed cab offers excellent all-round viability, enhanced by the slim cab pillars and large windows.

VOLVO ENGINE

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

SERVICE ACCESS

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

Auto engine shutdown

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

ECO mode

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

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

Undercarriage

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

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 compliant diesel en turbocharged and water cooled.	ngine is equipped wi	th 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	43
	hp	58
Max. torque	Nm	220
at engine speed	r/min	1 300
No. of cylinders		4
Displacement	1	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 provide	ing accurate control	labilty
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

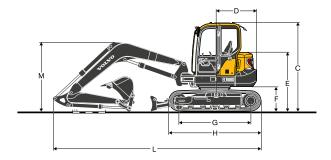
Pilot circuit	MPa	3.4							
Swing system									
Direct drive swing with radial piston motor-maintenance free and automatic holding brake anti-rebound valve.									
Max. swing speed	r/min	9							
Max. swing torque	kNm	22.9							

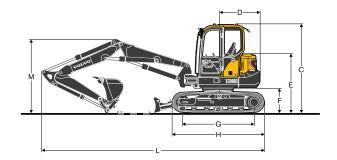
Undercarriage Robust X-shaped frame with sealed and gre	ased track chains	
Track shoes	abba trabit brianion	2 x 39
Link pitch	mm	154
Shoe width - steel	mm	450 / 600
Shoe width - rubber	mm	450
Bottom rollers		2 x 5
Top rollers		2 x 1
Fravel System		
Each track is powered by an automatic two-sbrakes are multi-disc, spring-applied and hydrogeneous		tor. The track
Travel speed low	km/h	2.6
Travel speed high	km/h	4.9
Max. drawbar pull	kN	65
Gradeability	0	35
•	0	35
•	· · · · · · · · · · · · · · · · · · ·	
Service Refill	· · · · · · · · · · · · · · · · · · ·	110
Service Refill Fuel tank	0 	110 140
Service Refill Fuel tank Hydraulic system, total		110 140 84
Service Refill Fuel tank Hydraulic system, total Hydraulic tank		110 140 84 10
Service Refill Fuel tank Hydraulic system, total Hydraulic tank Engine oil	0 1 1 1 1 1 1 1 1 1	35 110 140 84 10 9.3 2 x 1.6

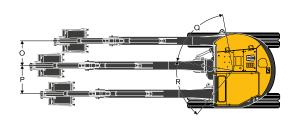
Potential 1.430 t CO2-eq										
Sound Level										
Sound level in cab according to ISO 6396										
LpA	dB(A)	73								
External sound level according to ISO 6395 and EU Noise Directive 2000/14/EC										
LwA	dB(A)	97								

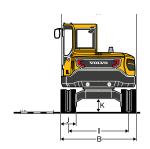
	Width	Weight	Capacity
	mm	kg	I
	300	111	79
	450	139	143
Direct bucket	600	162	200
	750	182	266
	900	205	333
	450	132	143
Outal assumbandant	600	156	200
Quick coupler bucket	700	171	244
	850	191	310

Specifications









DIN	IENSIONS			·					
Mad	chine		ECR88D						
Boo	om	m	3.55	(mono)	3.85 (2pcs)				
Arm		m	1.7	2.1	1.7	2.1			
Α	Overall width of upper structure	mm	2 210	2 210	2 213	2 213			
В	Overall width	mm	2 300	2 300	2 300	2 300			
С	Overall height of cab	mm	2 715	2 715	2 715	2 715			
D	Tail swing radius	mm	1 290	1 290	1 320	1 320			
Ε	Overall height of engine hood	mm	1 180	1 180	1 180	1 180			
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			
I	Track gauge	mm	1 850	1 850	1 850	1 850			
J	Shoe width	mm	450	450	450	450			
K	Min. ground clearance *	mm	405	405	405	405			
L	Overall length	mm	6 370	6 420	6 810	6 860			
М	Overall heght of boom	mm	2 115	2 230	2 247	2 455			
O	Boom swing distance	mm	760	760	756	756			
Р	Boom swing distance	mm	860	860	863	863			
Q	Boom swing angle	0		70	70				
R	Boom swing angle	0		60	60				
	· · · · · · · · · · · · · · · · · · ·								

^{*} Without shoe grouser

Specifications





Boo	Boom and Arm												
			Вос	om	Arm								
			3.55 m (mono)	3.85 m (2pcs)	1.7 m	2.1 m							
Α	Length	mm	3 690	4 030	2 283	2 684							
В	Heigth	mm	1 244	983	518	562							
	Width	mm	335	340	305	305							
	Weight	kg	530	774	280	340							

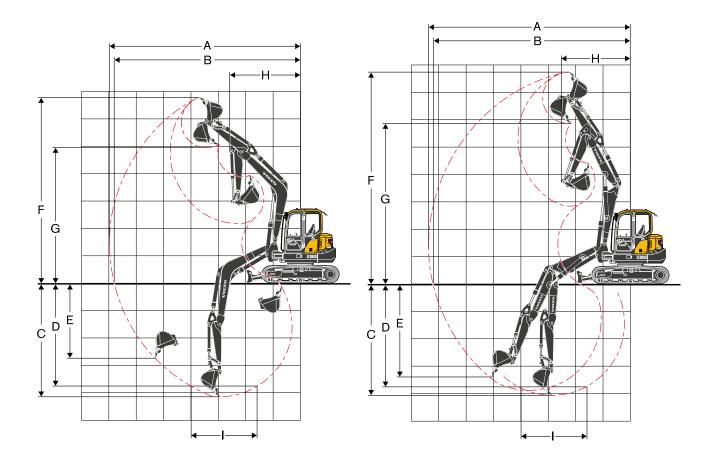
Boom: Includes cylinder, piping and pin, excludes boom cyl. Pin.

Arm: Includes cylinder, linkage and pin.

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



	Shoe width	Operating weight	Ground pressure		
	mm	kg	kPa		
Vlono boom 3.55 m, Arm 1.7 m, F	Bucket 188 kg (266 l), Counterweight 1 4	30 kg			
Steel track	450	9 010	40.5		
	600	9 180	30.9		
Rubber track	450	8 810	39.6		
Rubber pad	450	9 030	40.4		
vlono boom 3.55 m, Arm 2.1 m, B	Bucket 188 kg (266 l), Counterweight 1 48	0 kg			
Steel track	450	9 090	40.9		
	600	9 260	31.2		
Rubber track	450	8 890	40.0		
Rubber pad	450	9 110	40.8		
2pcs boom 3.85 m, Arm 1.7 m, B	ucket 188 kg (266 l), Counterweight 1 69	0 kg			
Steel track	450	9 380	42.2		
	600	9 550	32.2		
Rubber track	450	9 180	41.3		
Rubber pad	450	9 400	42.1		
2pcs boom 3.85 m, Arm 2.1 m, Bu	ucket 188 kg (266 l), Counterweight 1 69) kg			
Steel track	450	9 460	42.5		
	600	9 630	32.5		
Rubber track	450	9 260	41.6		
Rubber pad	450	9 480	42.5		



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							
Breakout force (bucket)	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	90	19	90		

Specifications

LIFTING CAPACITY ECR88D

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.

For litting capacity including	T Ducket. Oilliply	1				1		 						
	Lifting point	1.0 m Along Across	2.0 m		O m Across	+	Across	5.0	Across		Across		Across	
Boom 3.55m	5.0 m kg		Along Acid	iss Along	ACIUSS		*1 520	Along	ACIUSS	Along	ACIUSS	*1 600		
Arm 1.7m	4.0 m kg							*1 540	1.390			*1 560		5 345
Shoe 450mm	3.0 m kg			*2 490	*2 490	*1 890						*1 540		5 789
CWT 1 480kg	2.0 m kg					*2 330		*1 830		*1 590	980	*1 580	980	6 003
Dozer blade down	1.0 m kg							*2 000			960	*1 620	950	6 014
	0.0 m kg			*3 800	2 640	*2 810						*1 670	990	5 825
	-1.0 m kg		*3 560 *3 5									*1 700		
	-2.0 m kg		*4 790 *4 7										1 370	
	-3.0 m kg			*1 880	*1 880							*1 500	*1 500	3 433
Boom 3.55m	5.0 m kg					*1 520	*1 520					*1 600	1 520	4 850
Arm 1.7m	4.0 m kg					*1 580	*1 580	*1 540	1 320			1 470	1 160	5 345
Shoe 450mm	3.0 m kg			*2 490	*2 490	*1 890	1 850	1 630	1 290			1 270	1 000	5 789
CWT 1 480kg	2.0 m kg			3 440	2 650	2 2 1 0	1 740	1 580	1 240	1 180	920	1 180	920	6 003
Dozer blade up	1.0 m kg					2 120	1 640	1 530	1 190	1 160	900	1 160	900	6 014
	0.0 m kg			3 240	2 460	2 070	1 590	1 490	1 160			1 200	930	5 825
	-1.0 m kg	*2 460 *2 460	*3 560 *3 5	60 3 250	2 470	2 050	1 580	1 480	1 150			1 330	1 030	5 410
	-2.0 m kg		*4 790 *4 7	90 *3 200	2 5 1 0	2 080	1 610					1 650	1 280	4 695
	-3.0 m kg			*1 880	*1 880							*1 500	*1 500	3 433
Boom 3.55m	6.0 m kg											*1 510	*1 510	3 965
Arm 2.1m	5.0 m kg							*1 380	*1 380			*1 320	*1 320	5 095
Shoe 450mm	4.0 m kg							*1 340	*1 340			*1 230	1 070	5 776
CWT 1 480kg	3.0 m kg					*1 650	*1 650	*1 470	1 370	*1 390	990	*1 210	940	6 184
Dozer blade down	2.0 m kg			*3 160	2 900	*2 100	1 850	*1 680	1 310	*1 470	970	*1 240	870	6 382
	1.0 m kg					*2 520					940	*1 320	850	6 393
	0.0 m kg					*2 730				*1 590	920	*1 480	870	6217
		*2 660 *2 660										*1 550	950	5 835
		*3 980 *3 980						*1 720	1 200			*1 580		
	-3.0 m kg		*3 870 *3 8	70 *2 510	*2 510	*1 650	*1 650						*1 530	
Boom 3.55m	6.0 m kg												*1 510	
Arm 2.1m	5.0 m kg							*1 380					1 280	
Shoe 450mm	4.0 m kg					+4 050	** 050	*1 340		1.000	000	*1 230		5 776
CWT 1 480kg	3.0 m kg			+0.400	0.700			*1 470		1 200	930	1 130	880	6 184
Dozer blade up	2.0 m kg					*2 100				1 170	910	1 050	810	6 382
	1.0 m kg			3 270	2 480		1 630		1 170	1 140	880	1 030	790	6 393
	0.0 m kg		*0.000 *0.0			2 030				1 120	860	1 060	810	6 217
		*2 660 *2 660						1 440	1 110			1 160	890	5 835
	-3.0 m kg	*3 980 *3 980	*3 870 *3 8					1 460	1 120				1 070 *1 530	
Boom 3.55m	5.0 m kg		3010 30	70 2310	2 300		*1 520						*1 600	
Boom 3.55m Arm 1.7m	4.0 m kg							*1 540	1 470			*1 560		5 345
CWT 1 690kg				*0.400	*0.400	*1 890						*1 540		
Dozer blade down	3.0 m kg 2.0 m kg					*2 330				*1 500	1.040			6 003
Dozer blade down	1.0 m kg			3 700	2 930							*1 620		6 014
	0.0 m kg			*3 800	2 800	*2 810				1 000	1 020		1 050	
	-1.0 m kg		*3 560 *3 5									*1 700		
	-2.0 m kg		*4 790 *4 7					1 310	1 300				1 450	
	-3.0 m kg		4730 47		*1 880		1 020							3 433
Boom 3.55m	5.0 m kg			1 000	1 000		*1 520							4 585
Arm 1.7m	4.0 m kg							*1 540	1 390					5 345
CWT 1 690kg	3.0 m kg			*2 490	*2 490	*1 890							1 060	
Dozer blade up	2.0 m kg					2 330				1 250	980	1 250	980	6 003
~p	1.0 m kg			3 020	_ 500			1 610			960	1 220	960	6 014
	0.0 m kg			3 410	2 610	2 180				00		1 270		5 825
	-1.0 m kg		*3 560 *3 5										1 100	
	-2.0 m kg		*4 790 *4 7					,,,						4 695
	-3.0 m kg				*1 880									3 433
Notes: 1. The above I		mpliance with S	AE 11007 on				ovotor Li	fting Co	nacity S	tandarde		. 500	. 500	00

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 ECR88D

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.

Description	For lifting capacity including		oucket.	Simp	ly st	ubtract a	ctual wei	ght of the	e direct fit	bucket c	or the bud	ket with	quick cou	ipler from	the follo	wing valu	es.			
Boom			Lifting	noin	,, L	1.0) m	2.0) m	3.0) m	4.0) m	5.0) m	6.0) m	N	Max. reac	h
Amm			Litting	y poii	"	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	mm
0 N	Boom	3.55m	6.0	m k	κg													*1 510	*1 510	3 965
December	Arm	2.1m	5.0	m k	κg									*1 380	*1 380			*1 320	*1 320	5 095
See	CWT	1 690kg	4.0	m k	κg									*1 340	*1 340			*1 230	1 140	5 776
See	Dozer blac	de down			_							*1 650	*1 650	*1 470	1 450	*1 390	1 060	*1 210	1 000	6 184
1.0 m kg					_					*3 160	3 060									
1.0 m 1.0					_															
Boss					_															
See					_	+0.000	*0.000	*0.000	+0.000							1 590	900			
3-0 m Vg 1580 1					_															
Boom				m k	kg (-3 980	-3 980							1 720	1 280					
Amm 2-1m Color 1-300								*3 870	*3 870	*2 510	*2 510	*1 650	*1 650							
CAYT	Boom	3.55m																*1 510	*1 510	3 965
CAYT	Arm	2.1m	5.0	m k	κg									*1 380	*1 380			*1 320	*1 320	5 095
20 m kg	CWT	1 690kg	4.0	m k	κg									*1 340	*1 340			*1 230	1 080	5 776
20 m kg	Dozer blac	de up	3.0	m l	kq							*1 650	*1 650	*1 470	1 370	1 260	1 000	1 200	940	6 184
10		•			_					*3 160	2 870	*2 100	1 850	1 660	1 310	1 240	970		870	6.382
Section Sect					_															
10																				
					_	*0.000	*0.000	*0.000	*0.000							1 190	920			
See					_															
Boom					•	3 980	3 980							1 540	1 200					
Amm 1.7m 1.7m 1.7m 1.7m 1.7m 1.7m 1.7m 1.			-3.0	m l	kg			*3 870	*3 870	*2 510	*2 510	*1 650	*1 650					*1 530	*1 530	4 133
Show 450mm 1690kg 3.0 m kg 2530 2530 1990 1990 1700 1430 5100 1450 1000 1480 30 0621 30 070 1480 30 070 1480 30 0621 30 070 1480 30 0621 30 070 1480 30 070 1480 30 0621 30 070 1480 30 070 14	Boom	3.85m 2piece	6.0	m k	κg							*2 060	*2 060					*2 060	2 060	4 029
CWT	Arm	1.7m	5.0	m k	κg							*1 870	*1 870	*1 710	1 430			*1 690	1 350	5 142
CWT	Shoe	450mm	4.0	m k	κg					*2 530	*2 530	*1 990	*1 990	*1 700	1 430			*1 540	1 070	5 8 1 6
Dozer	CWT	1 690ka			_											*1 530	1 000	*1 480	930	6 221
1.0 m kg		•										*2 570	1.830	*1 920	1.310	*1.550				
Boom	2 020. Diac																	-		
Section Sect																				
Section Sect					_					*0.010	0.010					1 440	920			
Boom 3.85m 2pice Arm 1.7m 1.7m 1.80 1.870 1.																				
Arm 1.7m 5.0 m kg 250 m 2530 *2530 *2530 *2530 *1990 *1990 *1700 *1600 1400 mode 1500 mode			-							^2 050	^2 050			1 160	1 160					
Shoe 450mm 4.0 m kg 2530 2530 1990 1990 1990 1900 1700 1460 1 290 100 100 1000 1000 1000 500 6221 CWT 1690kg 3.0 m kg 2270 200 1180 1500 1410 1210 1030 1000 1000 1000 60221 Dozer blade up 10 m kg 2270 180 1800 1500 1400 1130 1000 1000 1000 800 6221 Dozer blade up 10 m kg 200 1700 1700 1470 120 1100 1000 1000 800 6250 10 m kg 200 1700 1700 1400 1000 1470 120 1100 1000 1000 800 6250 200 m kg 200 1800 1600 1200 1400 1200 1400 120 1000 1400 120 1000 1100 1000 800 6254 8boom 3.85m 2piece 7.0 m kg 2050 1680 1680 1160 1160 1160 1160 1160 116	Boom	3.85m 2piece	6.0	m l	кg							*2 060	*2 060					*2 060	*2 060	4 029
CWT 1 690kg 3.0 m kg 6.221 2.270 2.010 1.650 1.410 1.210 1.000 1.500 6.221 Dozer blade up 2.0 m kg 2.210 1.860 1.360 1.340 1.00 1.00 80 6.428 0.0 m kg 2.240 2.680 2.030 1.690 1.200 1.00 950 1.070 890 6.254 1.0 m kg 2.2810 2.680 2.030 1.690 1.460 1.220 1.10 1.00 950 950 950 5.236 Boom 3.85m 2piece 6.0 m kg 2.200 1.600 1.670 1.500	Arm	1.7m	5.0	m k	κg							*1 870	*1 870	1 710	1 460			1 610	1 380	5 1 4 2
Dozer blast bus	Shoe	450mm	4.0	m k	κg					*2 530	*2 530	*1 990	*1 990	*1 700	1 460			1 290	1 100	5 816
1.0 m kg 1.0 m kg 2.000 1.750 1.510 1.270 1.150 970 1.040 860 6.428 2.000 1.750 1.770 1.270 1.270 1.270 1.270 1.000 950 1.070 890 6.258 2.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 2.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 3.85m 2piece 7.0 m kg 2.050 2.050 2.050 1.050 1.050 1.000 1.000 1.000 3.85m 2piece 7.0 m kg 2.050 2.050 1.050 1.050 1.050 1.000 1.000 1.000 3.85m 2piece 7.0 m kg 1.750 1.750 1.750 1.750 1.750 3.000 3.85m 2piece 7.0 m kg 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 3.000	CWT	1 690kg	3.0	m k	κg							*2 270	2 010	1 650	1 410	1 210	1 030	1 130	950	6 221
1.0 m kg 1.0 m kg 2.000 1.750 1.510 1.270 1.150 970 1.040 860 6.428 1.0 m kg 2.810 2.680 2.000 1.700 1.470 1.230 1.130 950 1.070 890 6.254 2.0 m kg 2.2810 2.680 2.000 1.680 1.680 1.460 1.220 1.110 910 980 5.875 2.0 m kg 2.2810 2.680 2.000 1.680 1.680 1.160 1.160 1.200 1.000 980 5.875 2.0 m kg 2.2810 2.680 2.000 1.680 1.680 1.160 1.160 1.160 1.160 3.85m 2piece 6.0 m kg 2.2810 2.0810 1.750 1.750 1.750 1.750 1.750 3.0 m kg 2.2910 2.2910 2.2910 2.2910 2.2910 1.800 1.800 1.800 1.800 1.450 1.410 1.030 1.120 940 6.251 3.0 m kg 2.2910 2.2910 2.2910 2.2910 2.2910 1.680 1.390 1.440 1.010 1.170 820 6.252 3.0 m kg 2.2910 2.2910 2.2910 2.2910 1.800 1.800 1.800 1.800 1.800 1.800 1.180	Dozer blac	de up	2.0	m l	kq							2 210	1 860	1 580	1 340	1 180	1 000	1 060	880	6 4 1 8
		·										2 090	1 750	1 510	1 270	1 150	970	1 040	860	6 428
1																				
Second S										*9.810	2 680									
Boom																				
Arm	D	2 0E 0:								2 000	2 000	1 000	1 000	1 100	1 100					
Shoe 450mm 5.0 m kg 6.0 6.0 1.0 <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>** 750</td> <td>+4 750</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		•										** 750	+4 750							
CWT 1690kg Dozer black down 1 690kg 1 690kg 1 690kg 2 0 m kg 2 0 m kg 2 150 2150 2250 1250 1250 1250 1250 125																				
Dozer black down 3.0	Shoe	450mm	5.0									*1 670	*1 670	*1 530	1 470			*1 300	1 150	5 640
2.0 m kg 2.0 m kg 2.10 1.840 1.820 1.310 1.490 970 1.170 770 6.809 1.0 m kg 2.150 2.150 2.150 2.500 1.630 1.900 1.180 1.140 930 1.220 750 6.818 0.0 m kg 2.2060 2.2060 3.160 2.520 2.350 1.600 1.760 1.150 1.280 890 1.080 830 6.305 -2.0 m kg 2.2970 2.2970 2.450 2.450 2.450 1.890 1.620 1.390 1.160 1.150 1.280 890 1.080 830 6.305 -2.0 m kg 2.2970 2.2970 2.450 2.450 1.400 1.090 1.0	CWT	1 690kg	4.0	m k	κg							*1 800	*1 800	*1 560	1 450	*1 410	1 030	*1 200	940	6 251
1.0 m kg	Dozer blac	de down	3.0	m l	kg					*2 900	*2 900	*2 080	2 010	*1 680	1 390	*1 440	1 010	*1 170	820	6 625
0.0 m kg			2.0	m l	kg							*2 410	1 840	*1 820	1 310	*1 490	970	*1 170	770	6 809
0.0 m kg			1.0	m l	kq							*2 620	1 700	*1 920	1 230	*1 510	930	*1 220	750	6818
1.0 m kg 2060 2060 3160 2520 2350 1600 1760 150 1280 890 1080 830 6305 2200 2350 1600 1760 1390 1160 1280 890 1080 830 6305 2200 2350 1890 1600 1390 1160 1280 890 1080 830 5726 2300					_					*2 150	*2 150									6 656
-2.0 m kg '2 970 '2 970 '2 450 '2 450 '1 890 1 620 '1 390 1 160 ' 930 5 726 -3.0 m kg '1 400 '1 400 '1 400 '1 400 '1 090								*2 060	*2.060											
Shoom 3.85m 2piece 7.0 m kg					_											1 200	000			
Boom 3.85m 2piece 7.0 m kg 2.1m 6.0 m kg 8 1 75m 1750 1750 1750 1750 1750 1750 1750 1750								2 910	2 910						1 100					
Arm 2.1m		0.05 0 :								1 400	1 400	1 090	1 090							
Shoe 450mm		•			_							*4 750	*4 750							
CWT 1 690kg Dozer blade up 4.0 m kg 2.0 m kg 3.0 m kg					•															
Dozer blade up 3.0 m kg 2.0 m kg 2.0 m kg 2.0 m kg 3.0 m kg 2.0 m kg 3.0 m kg					-															
2.0 m kg 2 230 1 880 1 580 1 330 1 180 990 940 780 6 809 1.0 m kg 2 080 1 740 1 500 1 260 1 140 950 920 770 6 818 0.0 m kg 2 150 2 150 2 000 1 670 1 450 1 200 1 110 920 950 780 6 656 1.0 m kg 2 2 970 2 970 2 450 2 450 1 890 1 660 1 390 1 190 2 930 930 5 726 3.0 m kg 1 400 1 400 1 400 1 090 1 090 5 590 5 90 4 816	CWT	1 690kg	4.0	m k	kg							*1 800	*1 800	*1 560	1 470	1 240	1 050	1 140	960	6 251
2.0 m kg 2.0 m kg 2.230 1880 1580 1330 1180 990 940 780 6809 1.0 m kg 2.080 1740 1500 1260 1140 950 920 770 6818 0.0 m kg 2.150 2150 2000 1670 1450 1200 1110 920 950 780 6656 -1.0 m kg 2.060 2060 3140 2590 1980 1640 1420 1180 1100 910 1030 850 6305 -2.0 m kg 2.970 2970 2450 2450 2450 1890 1660 1390 1190 90 930 930 5726 -3.0 m kg 1400 1400 1400 1090 11090 90 1090 90 1590 950 7590 4816	Dozer blac	de up	3.0	m l	kg					*2 900	*2 900	*2 080	2 050	1 660	1 410	1 220	1 030	1 010	840	6 625
1.0 m kg 2 080 1 740 1 500 1 260 1 140 950 920 770 6 818 0.0 m kg 2 150 2 150 2 000 1 670 1 450 1 200 1 110 920 950 780 6 656 1.0 m kg 2 060 2 060 3 140 2 590 1 980 1 640 1 420 1 180 1 100 910 1 030 850 6 305 2.0 m kg 2 970 2 970 2 450 2 450 1 890 1 660 1 390 1 190 2 930 930 5 726 3.0 m kg 1 400 1 400 1 090 1 090 5 1090 5 590 4 816		-			_							2 230	1 880	1 580	1 330	1 180	990	940	780	6 809
0.0 m kg					_															
-1.0 m kg					_					*9 150	*9 150									
-2.0 m kg					_			*0.060	*0 060											
-3.0 m kg																1 100	910			
								2970	2970						1 190					
			-3.0	m l	kg													*590	*590	4 816

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 compliant 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:

Cab-mounted 2 (front), Boom-mounted 1

Battery, 12 V / 100 Ah

Start motor, 12 V / 2.5 kW

Monitor and keypad

Master electrical disconnect switch

Frame

1 480kg 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

Cab and interior

Glasses

Cup holder

Storage area

Door locks

Floor mat Horn

Seat belt, 2 inch retractable

Seat belt alarm

Heater and air-conditioner

Fabric operator seat with suspension without heater

Control joystick

Travel pedals and hand levers

AM/FM stereo

Master key

Hour meter (non analog)

Digging equipment

Boom: 3.55m, Arm: 1.7m

Linkage

Service

Tool kit-daily maintenance

Official approval

Machine conforming to European directive 2006/42/EC

Noise emissions in the environment conforming to directive 2000/14/EC

Hand Arm vibrations, Whole body vibrations compliant with directive 2002/44/EC

Electromagnetic compatibility (EMC) conforming to European directive 2004/108/EC and its amendments

Object handling device conforming to EN474-1 and EN474-5 standards

FOPS Level 2 conforming to ISO3449 standard (when equipped)

ROPS conforming to ISO12117-2 standards

TOPS conforming to ISO12117 and EN 13531 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:

Cab-mounted 1 (rear)

Caretrack

Travel alarm

Anti theft, code-lock

Rotating warning beacon

Frame

Rearview mirror

Dozer blade with floating function

1 690kg Heavy counterweight

Wide dozer blade for 600mm shoe

Undercarriage

450mm, 600mm steel track

450mm rubber pad

Hydraulic system

Hydraulic piping:

Breaker & shear

- Max. flow: 68 I/min

- Pressure: 21.6 MPa (X1 single) | 29.4 MPa (X1 double)

Slope & rotator - Max. flow: 28 l/min

- Pressure: 14.7 Mpa

Quick coupler

ISO/SAE pilot control pattern change

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

Arm cyl Pipe with HRV 2 piece boom

Cab and interior

Carecab

Canopy

Fabric operator seat with suspension with heater

PVC operator seat with suspension

Control joystick, X3 proportional

Seat belt, 3 inch retractable

AM/FM stereo with CD player and USB input

Rain visor

Boom swing pedal

Mechanical hour meter

Cab mounted FOG (Falling Object Guard)

FOPS (Falling Object Protection Structure)

Sun screen, front/roof

Safety net

Digging equipment

2pcs boom: 3.85m

Arm: 2.1m

Service Tool kit, full scale

Spare parts

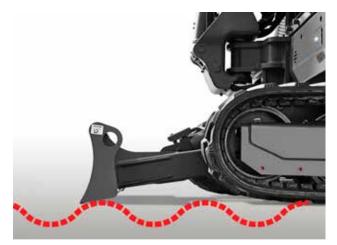
SELECTION OF VOLVO OPTIONAL EQUIPMENT

Slope and rotator piping





Dozer float



Caretrack



Fuel filler pump



Mechanical hour meter



Anti-theft



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.

