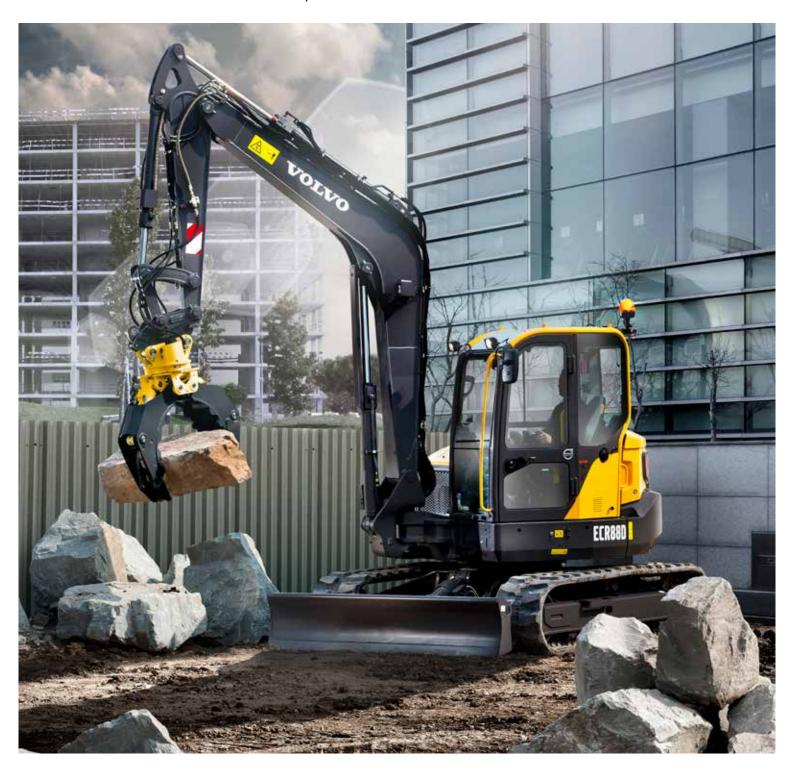
ECR88D

Volvo Excavators 8.6-10.0 t 58 hp







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

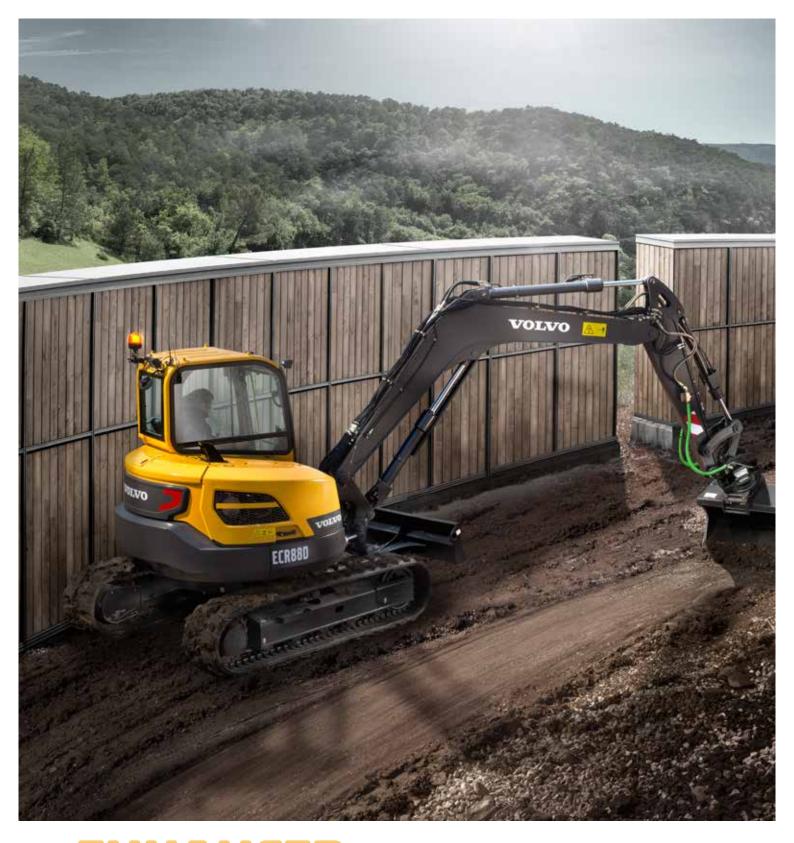
Slew and boom offset movements are controlled simultaneously for easy and fast positioning of the machine. Joystick control enables precise, smooth and effortless command of the slew and boom offset.



Tractive force

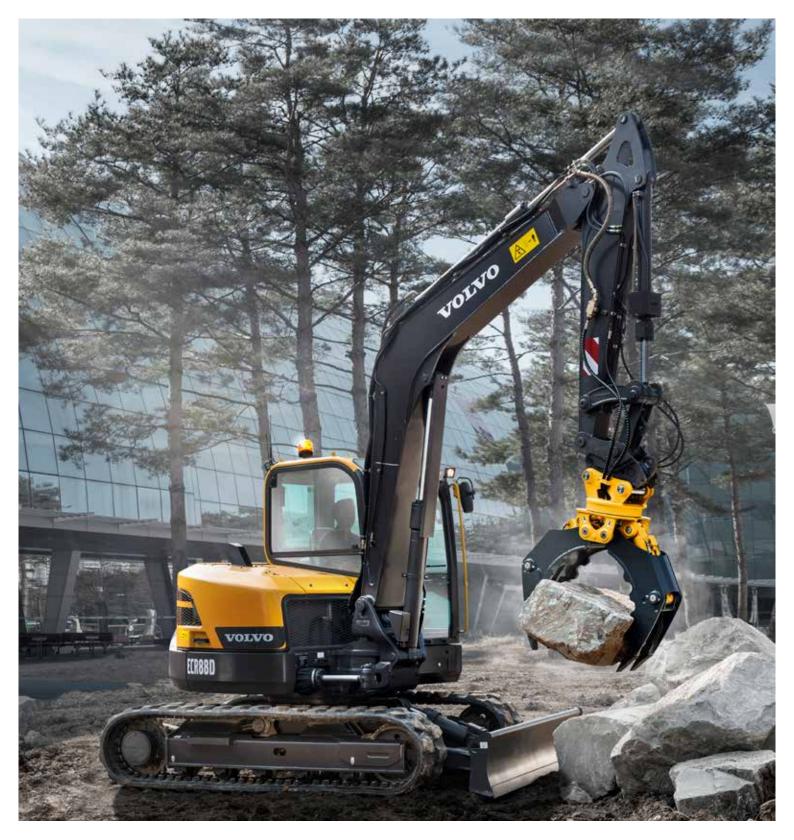
High system pressure delivers impressive tractive force when climbing gradients or traveling over rough terrain. For improved performance, the ECR88D boasts a 16% improvement in tractive force compared to the previous model.





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

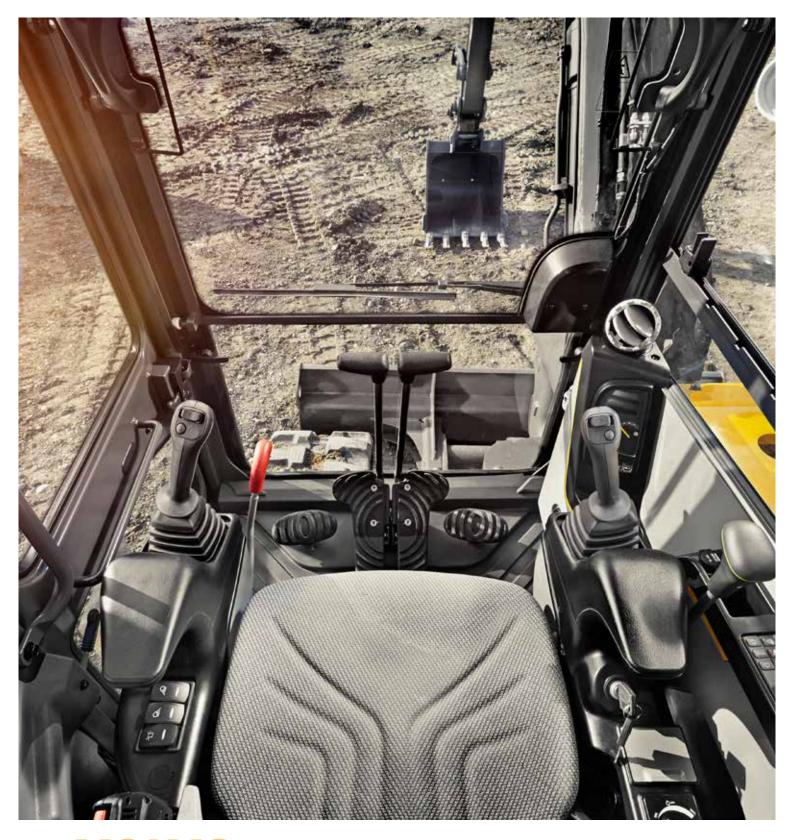
Via the joystick controls, the operator can easily adjust the direction and amount of hydraulic flow sent to the attachment. Benefit from the correct speed and power for optimal attachment operation.



Storage

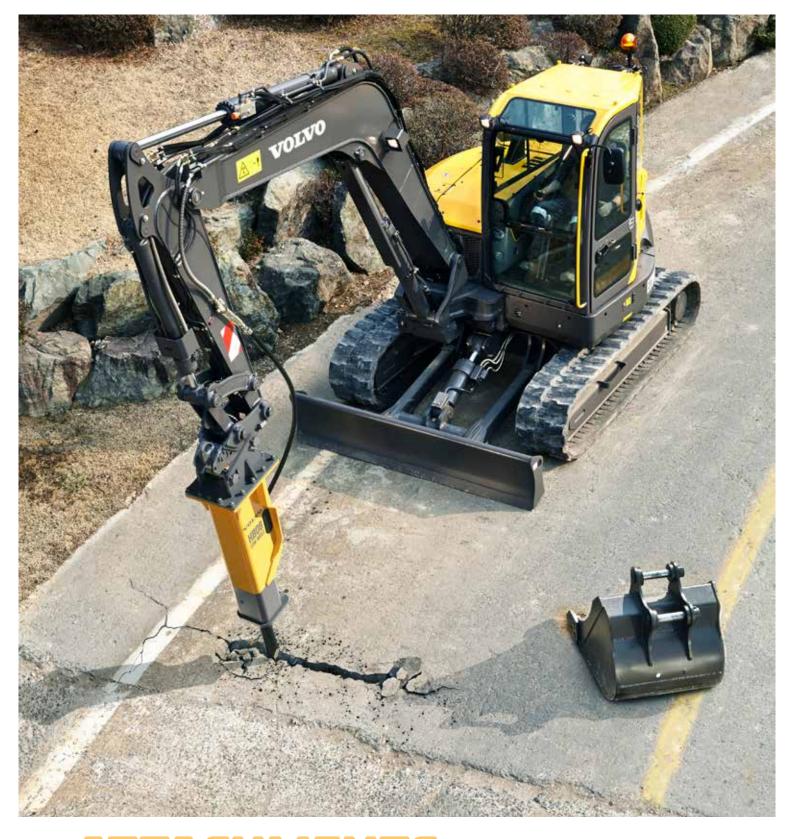
The Volvo cab features ample storage locations for personal belongings including an additional glove-box, side pocket, phone storage, cup holder and a pocket behind the seat.





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

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 e turbocharged and water cooled.	ngine is equipped	with in-line,
Model	Volvo	D2.6H
Max. power at	r/min	2 000
Net (ISO 9249/SAEJ1349)	kW	4
	hp	56
Gross (SAE J1995)	kW	43
	hp	58
Max. torque	Nm	220
at engine speed	r/min	1300
No. of cylinders		4
Displacement	1	2.65
Bore	mm	8
Stroke	mm	110
Electrical system		
Voltage	V	1:
Batteries	V	1 x 1:
Battery capacity	Ah	100
Alternator	V/Ah	12/70
Starter motor output	V - kW	12 - 2.
Hydraulic system		
Open-center, negative hydraulic system prov	riding accurate co	ntrollabilty
Main pump: Variable-displacement pump		
Maximum flow	l/min	2 x 68 + 54
Pilot pump: Gear pump		
Maximum flow	l/min	1;
Relief valve setting pressure		
Implement	MPa	29.
Travel circuit	MPa	29.4
Swing circuit	MPa	24.
Pilot circuit	MPa	3.4
Swing system		
Direct drive swing with radial piston motor-	maintenance free	and
automatic holding brake anti-rebound valve.	,	

13	
29.4	
29.4	
24.5 L	
3.4 B	
8.3	
22.9	

r/min

 kNm

Undercarriage		
Robust X-shaped frame with sealed and greased tra	ack chains	
Track shoes		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
Travel System		
Each track is powered by an automatic two-speed track brakes are multi-disc, spring-applied and hydronic tra		
Travel speed low	km/h	2.6
Travel speed high	km/h	5.2
Max. drawbar pull	kN	65
Gradeability	0	35
Service Refill		
Fuel tank	1	110
Hydraulic system, total	- 1	140
Hydraulic tank	1	84
Engine oil	I	10.2
Engine coolant	1	9.3
Travel reduction unit	I	2 x 1.6
Cab		

Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Globa Warming Potential 1.430 t CO2-eq								
Sound Level								
Sound level in cab according to ISO 6396								
L _{pA}	dB	74						
External sound level according to ISO 6395 and EU Noise Directive								

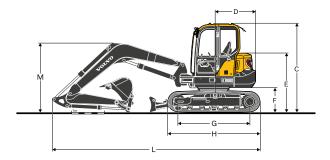
ID 00	2000/14/EC	130 0033 and Lo Wolse Directi	VC
LWA dB 98	L _{WA}	dB	98

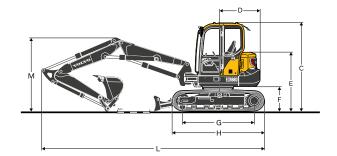
	Width	Weight	Capacity
	mm	kg	ı
	300	111	79
	450	139	143
Direct bucket	600	162	200
	750	182	266
	900	205	333
	450	132	143
O laborate de la lat	600	156	200
Quick coupler bucket	700	171	244
	850	191	310

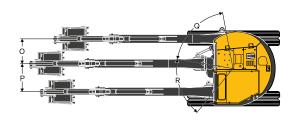
Max. swing speed

Max. swing torque

Specifications









DIN	DIMENSIONS										
Mad	thine	ECR88D									
Boo	m	m	3.55 (mono) 3.85 (2pcs			(2pcs)					
Arm	1	m	1.7	2.1	1.7	2.1					
Α	Overall width of upper structure	mm	2 260	2 260	2 260	2 260					
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	1320	1320					
Ε	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	1 850	1850	1850					
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	6 420 6 810						
М	Overall heght of boom	mm	2 115	2 230	2 247	2 455					
0	Boom swing distance	mm	760	760	760 756						
Р	Boom swing distance	mm	860	860	860 863						
Q	Boom swing angle	o		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	3 700	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						

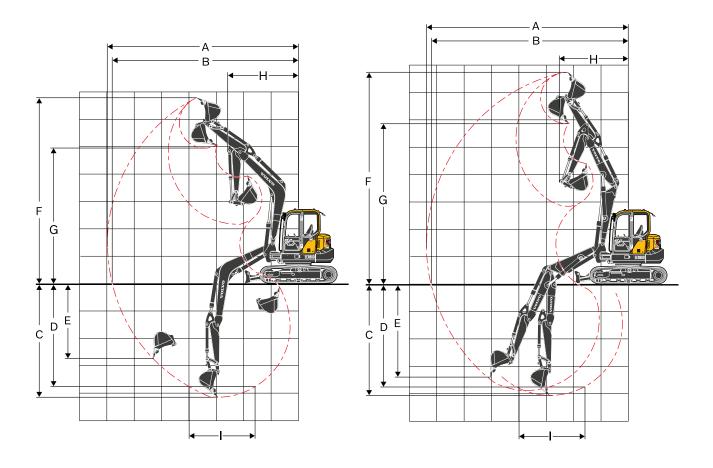
Boom: Includes cylinder, piping and pin, excludes boom cyl. Pin.

Arm: Includes cylinder, linkage and pin.

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
Mono boom 3.55 m, Arm 1.7 m, B	ucket 188 kg (266 l), Counterweight 1	100 kg	
Steel track	450	8 939	40.2
	600	9 108	30.7
Rubber track	450	8 752	39.4
Rubber pad	450	8 988	40.2
Mono boom 3.55 m, Arm 2.1 m, Bu	icket 188 kg (266 l), Counterweight 1 4	00 kg	
Steel track	450	8 997	40.5
	600	9 166	30.9
Rubber track	450	8 810	39.6
Rubber pad	450	9 046	40.5
2pcs boom 3.85 m, Arm 1.7 m, Bu	cket 188 kg (266 l), Counterweight 1 6	10 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, Bud	cket 188 kg (266 l), Counterweight 1 61	0 kg	
Steel track	450	9 546	42.9
	600	9 714	32.8
Rubber track	450	9 359	42.1
Rubber pad	450	9 595	43.0



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 bucke	t					
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		•	19	90	19	90

Specifications

LIFTING CAPACITY ECR88D

Doze	Lifting capacity at the ar	m end	witho	out buck	et.													
Month Mont	For lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.																	
Boom 3.55 m So		Lifting	naini	1.0) m	2.0) m	3.0) m	4.0) m	5.0	m	6.0	m	M	lax. read	ch
Am		Liiting	poini	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	mm
Shoe Nobber 450 mm 30	Boom 3.55 m	5.0 1	n kg	1						*1 540	*1540					*1620	*1 620	4 585
CWT 1400 kg 1.00 m kg 1370 2 940 2 360 1920 1850 1370 1100 1300 1600 100	Arm 1.7 m	4.0 ı	n kg	1						*1 600	*1600	*1560	1450			*1 580	1290	5 345
CWT 1400 kg 20	Shoe Rubber 450 mm	3.0 1	n ka	1				*2 510	*2 510	*1920	*1920	*1660	1420			*1550	1 110	5 789
Dozer Indee Column 10			_					*3 740	2 940	*2 360	1920	*1 850	1 370	*1 610	1030	*1 600	1030	6 003
1	· ·																	
Martin	20201 21440 401111							*3 810	2 750					. 000				
See						*3 570	*3 570											
1			_									2 000	1200					
Shorn 1.5 m						4070	4070				1730							
Am	Poom 2 FF m							"1930	1930		*1 5 4 0							
Shoe Rubber 450 mm 40 mm												*1 FCO	1 270					
CWT 1400 kg Dazer blade up 10 m kg 10								+0.540	+0 540									
Daze															070			
Section 1.0	· ·							3 580	2 750									
1-10	Dozer blade up													1220	950			
Boom			_															5 825
1												1560	1 210					
Bos		-2.0	m kg	1		*4 870	*4 870	*3 240	2 620	2 180	1690					*1740	1350	4 695
Am		-3.0 ı	m kg	1				*1 930	*1 930							*1 540	*1540	3 433
Show Rubber 450 mm As m kg	Boom 3.55 m	6.0	m kg	1												*1520	*1 520	3 965
CWT 1400 kg Doze	Arm 2.1 m	5.0 ı	m kg	I								*1400	*1 400			*1330	*1330	5 095
Data	Shoe Rubber 450 mm	4.0 1	m kg	1								*1360	*1360			*1 230	1 120	5 776
1.0	CWT 1400 kg	3.0 ı	m kg	1						*1660	*1 660	*1490	1420	*1 410	1040	*1 210	980	6 184
1	Dozer blade down	2.0 1	n kg	1				*3 190	3 000	*2 120	1920	*1700	1360	*1490	1020	*1250	910	6 382
0.0 1.0			_				1	*3 640	2 770	*2 540	1 810	*1 910	1 310	*1580	990	*1330	890	6 393
Section Sect		0.0	n ka	1				*3 950	2 690	*2 770	1750	*2 040	1260	*1 610	970	*1 490	920	6 217
Residue			_		*2 670	*3 090	*3 090											
1																		
Boom 3.55 m 6.0 m kg					0 330								1200					
Arm	Boom 3 55 m					0 0 10	0 0 10	2 000	2 000	1 000	1 000							
Shoe Rubber 450 mm			_									*1.400	1 270					
CWT 1400 kg Dozer blade up Line blade up Lin																		
Doze Lee up 2.0										*1.660	*1 660			1.050	000			
1.0	•							*2 100	0.010									
1	Dozer blade up		_															
-1.0 m kg *2 670 *2 670 *3 090 *3 090 3 320 2 510 2 110 1 610 1 520 1170																		
-2.0					40.070									1 180	910			
Second S																		
Boom 3.55 m 5.0 m kg			_		*3 990								1 180					
Arm						*3 940	*3 940	*2 550	*2 550									
Shoe Rubber 450 mm			_															
CWT 1610 kg Dozer blade down 1.0 m kg 1																		
Dozer blade down 1.0 m kg	Shoe Rubber 450 mm	3.0	m kg	1				*2 510	*2 510	*1 920	*1920	*1 660	1500			*1550	1180	5 789
1	CWT 1610 kg							*3 740	3 110	*2 360	2 030	*1 850	1460	*1 610	1100	*1 600	1090	6 003
1	Dozer blade down	1.0	m kg	1						*2 720	1940	*2 030	1 410	*1 650	1080	*1 650	1 070	6 014
1.0								*3 810	2 930	*2 850	1900	*2 100	1380			*1 690	1 110	5 825
-2.0 m kg						*3 570	*3 570	*3 890	2 940	*2 730	1890	*2 000	1370			*1730	1230	5 410
Room 3.5 5 m 5.0 m kg			_			*4 870	*4 870	*3 240	2 980	*2 310	1 910					*1740	1530	4 695
Boom 3.55 m																*1540	*1540	3 433
Arm	Boom 3.55 m										*1 540							
Shoe Rubber 450 mm 3.0 m kg *2 510 *2 510 *1 920 *1 920 *1 920 *1 660 1420 *1 420 *1 410 \$1 20 \$7 89 CWT 1610 kg 2.0 m kg *3 740 2 920 *2 360 *1 920 *1 740 *1 380 *1 320 *1 330 *1 310 *1 3													1450					
CWT 1610 kg Dozer blade up 1.0 m kg 1.0 m kg 2 340 1830 1690 1330 1300 1020 1290 1010 6 014 0.0 m kg 1.0 m kg			_					*2 510	*2.510									
Dozer blade up 1.0 m kg 0.0 m kg 1.0 m kg 2 340 1830 1690 1330 1300 1020 1290 1010 6 014 1.0 m kg 1.														1320	1030			
0.0 m kg 3 580 2 740 2 290 1780 1660 1300 1340 1050 5 825 1.0 m kg *3 570 *3 570 3 590 2 750 2 280 1770 1650 1290 1490 1160 5 410 1.0 m kg *4 870 *4 870 *3 240 2 790 2 300 1800 *1740 1440 4 695 1.0 m kg *1 540 *1 540 3 433	· ·		Ū					0 740	2 020									
-1.0 m kg	Pozei piade uh							2 500	2740					1 300	1 020			
-2.0 m kg			_			*2 570	*2 =70											
-3.0 m kg *1 930 *1 930 *1 540 *1 540 3 433												1 050	1290					
			_			^4 870	°4870				1800							
	N												-			^1540	^1540	3 433

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 ar			_															
For lifting capacity include	ding b	uck	et. S					f the dir	ect fit bu					oupler fr	om the	following	g values.	
	Liftin	a pc	oint) m) m) m	4.0) m	6.0			lax. reac	
		9 7	,	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	mm
Boom 3.55 m	6.0	m	kg													*1 520	*1520	3 965
Arm 2.1 m	5.0	m	kg									*1 400	*1 400			*1330	*1 330	5 095
Shoe Rubber 450 mm	4.0	m	kg									*1360	*1360			*1230	1 190	5 776
CWT 1610 kg	3.0	m	kg							*1660	*1660	*1490	*1490	*1 410	1 110	*1 210	1 050	6 184
Dozer blade down	2.0	m	kg					*3 190	3 170	*2 120	2 040	*1 700	1450	*1490	1080	*1 250	980	6 382
	1.0	m	kg					*3 640	2 950	*2 540	1930	*1 910	1390	*1 580	1060	*1 330	960	6 393
	0.0		_					*3 950	2 870	*2 770	1860	*2 040	1350	*1 610	1040	*1490	980	6 217
			_	*2 670	*2 670	*3 090	*3 090		2 860								1 070	
			_						2 890								1280	
	-3.0		_	0 000					*2 550								*1560	
Boom 3.55 m	6.0		ŭ			0 0 10	0 0 10	2 000	2 000	1 000	1000						*1 520	
Arm 2.1 m		m										*1.400	*1400				*1 330	
Shoe Rubber 450 mm			_									*1360				*1 230		5 776
			_							*1.000	*1.000				1.050			
CWT 1610 kg		m	_					±0.100	0.000		*1 660				1050	*1 210	990	6 184
Dozer blade up	2.0		_						2 980						1020	1180	920	6 382
	1.0	m							2 760				1 310	1 270	990	1160	900	6 393
	0.0		_		-				2 680					1250	970	1 190	930	6 217
									2 670				1 2 5 0				1 010	
	-2.0	m	kg	*3 990	*3 990	*4 950	*4 950	*3 540	2 700	2 240	1740	1630	1 270			1 550	1 210	5 192
	-3.0	m	kg			*3 940	*3 940	*2 550	*2 550	*1 690	*1 690					*1 560	*1560	4 133
Boom 3.85 m 2-piece	6.0	m	kg							*2 070	*2 070					*2 070	*2 070	4 029
Arm 1.7 m	5.0	m	kg							*1 880	*1 880	*1 730	1490			*1 700	1 410	5 142
Shoe Rubber 450 mm	4.0	m	kg					*2 540	*2 540	*2 000	*2 000	*1 710	1490			*1 550	1 120	5 816
CWT 1610 kg	3.0	m	kg							*2 290	2 050	*1820	1 440	*1540	1 050	*1500	980	6 221
Dozer blade down	2.0	m	kg							*2 590	1900	*1940	1 370	*1 570	1030	*1 440	910	6 418
	1.0	m	kq			1	1	1		*2 710	1 790	*2 000	1 310	*1560	1 000	*1380	890	6 428
	0.0	m												*1450		*1300	920	6 254
	-1.0	m	_					*2 840	2 730								1 010	
	-2.0	m	Ŭ						*2 080							*970		5 238
Boom 3.85 m 2-piece	6.0	m						2 000		*2 070		1 100	1 100			*2 070		4 029
Arm 1.7 m	5.0										*1880	* 1 73∩	1 /110				1330	
Shoe Rubber 450 mm		m	_					*2 540	*2 540							1360		5 816
CWT 1610 kg	3.0		_					2 340		*2 290				1000	990	1 190	920	6 221
· ·		m																
Dozer blade up	2.0	m									1790				960	1 110	860	6 418
		m	_								1680				930	1090	840	6 428
		m									1630			1200	910	1130	860	6 254
	-1.0								2 540							*1 190	950	5 875
	-2.0							*2 080	*2 080	*1 700	1 650	*1 180	*1 180			*970	*970	5 238
Boom 3.85 m 2-piece	7.0		_														*2 380	
Arm 2.1 m	6.0									*1 760	*1 760					*1540	*1540	4 679
Shoe Rubber 450 mm	5.0	m	kg							*1680	*1680	*1 540	1 5 2 0			*1 310	1190	5 640
CWT 1610 kg	4.0	m	kg							*1 810	*1 810	*1 570	1500	*1 430	1 070	*1 210	980	6 251
Dozer blade down	3.0	m	kg					*2 910	*2 910	*2 090	2 070	*1 690	1 4 4 0	*1450	1050	*1 180	870	6 625
	2.0	m	kg							*2 430	1920	*1840	1360	*1500	1 010	*1 180	810	6 809
	1.0	m	kg							*2 640	1780	*1940	1290	*1530	970	*1 230	790	6 818
	0.0		_					*2 150	*2 150							*1 180	810	6 656
	-1.0					*2 060	*2 060		2 630							*1 100	880	6 3 0 5
			_						*2 480							*940		5 726
	-2.0	m	K(1								. 555					2 , 0		
	-2.0 -3.0	_	_			3 010				*1 11∩	*1 110					*610	*670	
Boom 3.85 m 2-niaca	-3.0	m	kg			3 010			*1 420	*1 110	*1 110					*610 *2.380	*610 *2.380	
Boom 3.85 m 2-piece	-3.0 7.0	m m	kg kg			3 010										*2 380	*2 380	2 906
Arm 2.1 m	-3.0 7.0 6.0	m m m	kg kg kg			3 010				*1 760	*1 760	*1 5 4 0	1.440			*2 380 *1 540	*2 380 *1 540	2 906 4 679
Arm 2.1 m Shoe Rubber 450 mm	-3.0 7.0 6.0 5.0	m m m m	kg kg kg kg			3 010				*1 760 *1 680	*1 760 *1 680			1 200	1010	*2 380 *1 540 *1 310	*2 380 *1 540 1 130	2 906 4 679 5 640
Arm 2.1 m Shoe Rubber 450 mm CWT 1610 kg	-3.0 7.0 6.0 5.0 4.0	m m m m	kg kg kg kg kg			3 010		*1420	*1 420	*1 760 *1 680 *1 810	*1 760 *1 680 *1 810	*1 570	1420		1 010	*2 380 *1 540 *1 310 1 190	*2 380 *1 540 1 130 920	2 906 4 679 5 640 6 251
Arm 2.1 m Shoe Rubber 450 mm	-3.0 7.0 6.0 5.0 4.0 3.0	m m m m m	kg kg kg kg kg					*1420		*1 760 *1 680 *1 810 *2 090	*1 760 *1 680 *1 810 1 960	*1 570 *1 690	1 420 1 360	1 270	990	*2 380 *1 540 *1 310 1 190 1 060	*2 380 *1 540 1 130 920 810	2 906 4 679 5 640 6 251 6 625
Arm 2.1 m Shoe Rubber 450 mm CWT 1610 kg	-3.0 7.0 6.0 5.0 4.0 3.0 2.0	m m m m m m	kg kg kg kg kg kg			3 010		*1420	*1 420	*1 760 *1 680 *1 810 *2 090 2 320	*1 760 *1 680 *1 810 1 960 1 800	*1 570 *1 690 1 650	1420 1360 1280	1 270 1 240	990 950	*2 380 *1 540 *1 310 1 190 1 060 1 000	*2 380 *1 540 1 130 920 810 760	2 906 4 679 5 640 6 251 6 625 6 809
Arm 2.1 m Shoe Rubber 450 mm CWT 1610 kg	-3.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0	m m m m m m	kg kg kg kg kg kg					*1 420 *2 910	*1 420	*1 760 *1 680 *1 810 *2 090 2 320 2 180	*1 760 *1 680 *1 810 1 960 1 800 1 670	*1 570 *1 690 1 650 1 570	1 420 1 360 1 280 1 210	1 270 1 240 1 200	990 950 910	*2 380 *1 540 *1 310 1 190 1 060 1 000 980	*2 380 *1 540 1 130 920 810 760 740	2 906 4 679 5 640 6 251 6 625 6 809 6 818
Arm 2.1 m Shoe Rubber 450 mm CWT 1610 kg	-3.0 7.0 6.0 5.0 4.0 3.0 2.0	m m m m m m	kg kg kg kg kg kg					*1 420 *2 910	*1 420	*1 760 *1 680 *1 810 *2 090 2 320 2 180	*1 760 *1 680 *1 810 1 960 1 800 1 670	*1 570 *1 690 1 650 1 570	1 420 1 360 1 280 1 210	1 270 1 240	990 950	*2 380 *1 540 *1 310 1 190 1 060 1 000	*2 380 *1 540 1 130 920 810 760	2 906 4 679 5 640 6 251 6 625 6 809 6 818
Arm 2.1 m Shoe Rubber 450 mm CWT 1610 kg	-3.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0 0.0 -1.0	m m m m m m m	kg kg kg kg kg kg kg kg kg					*1 420 *2 910 *2 150	*1 420	*1 760 *1 680 *1 810 *2 090 2 320 2 180 2 100	*1 760 *1 680 *1 810 1 960 1 800 1 670 1 590	*1 570 *1 690 1 650 1 570 1 520	1 420 1 360 1 280 1 210 1 160	1 270 1 240 1 200 1 170	990 950 910	*2 380 *1 540 *1 310 1 190 1 060 1 000 980	*2 380 *1 540 1 130 920 810 760 740	2 906 4 679 5 640 6 251 6 625 6 809 6 818 6 656
Arm 2.1 m Shoe Rubber 450 mm CWT 1610 kg	-3.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0	m m m m m m m	kg kg kg kg kg kg kg kg kg			*2 060	*2 060	*1 420 *2 910 *2 150 *3 190	*1 420 *2 910 *2 150	*1 760 *1 680 *1 810 *2 090 2 320 2 180 2 100 2 070	*1 760 *1 680 *1 810 1 960 1 800 1 670 1 590 1 570	*1570 *1690 1650 1570 1520 1500	1 420 1 360 1 280 1 210 1 160 1 130	1 270 1 240 1 200 1 170	990 950 910 880	*2 380 *1 540 *1 310 1 190 1 060 1 000 980 1 000	*2 380 *1 540 1 130 920 810 760 740	2 906 4 679

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

Enaine

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:

2ea on Cab front top LH/RH each

Battery, 12 V / 100 Ah

Start motor, 12 V / 2.5 kW

Monitor and keypad

Master electrical disconnect switch

Frame

1480kg 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

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 (when equipped)

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:

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

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: 118 I/min (X1 single) | 68 I/min (X1 double)
- Pressure: 21.6 MPa (X1 single) | 29.4 MPa (X1 double)

Slope & rotator

- Max. flow: 28 l/min

- Pressure: 14.7 Mpa

Grapple

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

Radio with MP3/AUX Boom swing pedal

Rain visor

Mechanical hour meter

Cab mounted FOG (Falling Object Guard)

FOPS (Falling Object Protection Structure)

Sun screen, front/roof

Safety net

Digging equipment

2-piece boom: 3.85m

Arm: 2.1m

Service

Tool kit, full scale Spare parts

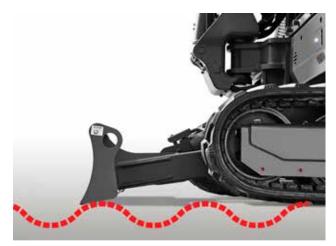
SELECTION OF VOLVO OPTIONAL EQUIPMENT

Slope and rotator piping





Dozer float



Caretrack



Fuel filler pump



Digital 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.

