





## **NEW LEVELS OF FUEL EFFICIENCY.**

VOLVO

EC0

#### ECO mode

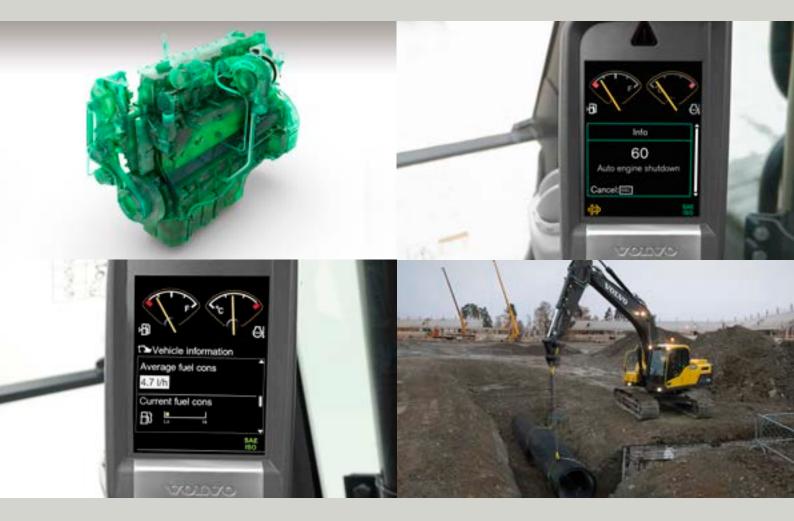
Volvo's unique ECO mode contributes to up to 5% of the machine's total improved fuel efficiency – without any loss of performance in most operating conditions. The design features electronic pump control technology which reduces flow and pressure losses while maintaining digging power and maximizing swing torque. Volvo proudly introduces the EC220D and the next generation of fuel efficiency. Thanks to sophisticated technology this excavator boasts a 10% improvement in fuel efficiency compared to the previous model. With Volvo's unique ECO mode, a new hydraulic system and a premium Volvo D6 diesel engine, you'll soon start to reap the benefits of reduced operational costs. Maximize your fuel efficiency with Volvo.

#### Volvo D6 engine

Volvo's state-of-the art D6 diesel engine is seamlessly integrated with all excavator systems. The premium, six cylinder engine delivers high performance and low fuel consumption. The D6 is available in two versions to comply with regional emission regulations.

#### Auto engine shutdown

The optional auto engine shutdown function automatically turns the engine off to reduce fuel consumption when the machine is inactive for a preset amount of time (five minutes is the default setting). The operator is informed one minute before this occurs.



#### Fuel consumption display

A new gauge bar on the I-ECU measures instantaneous fuel consumption while average fuel consumption is displayed numerically per hour. This allows you to monitor fuel usage on different job sites and applications.



#### Work modes

Volvo's unique, integrated work mode system now includes the G4 mode for optimum fuel efficiency and machine performance. Operators can choose the best work mode to suit the task at hand – simply select from I (Idle), F (Fine), G (General), H (Heavy) and P (Power max) mode.

# **DESIGNED FOR PRODUCTIVITY.**

The new, modern D-series styling of the EC220D cab puts the operator in control facilitating optimal conditions for productivity. With superior visibility, easy to access controls and built in comfort, it's no wonder operators experience less fatigue and feel more productive in this spacious and safe working environment. See more and do more with Volvo.

#### Climate control system

Operators can set their ideal temperature with Volvo's powerful climate control system which is integrated into the I-ECU. Industry-leading air circulation and defrosting is delivered quickly via 14 well-spaced vents for increased comfort and productivity.



#### I-ECU monitor

The new, color LCD monitor displays machine status information including fuel consumption details and service interval alerts. The large, anti-glare, tiltable screen and conveniently placed navigation controls facilitate easy operation and high productivity.



#### ROPS

Volvo recommends an optional Roll Over Protective Structure (ROPS) certified cab when working in challenging applications. This provides increased operator safety in the unlikely event of machine roll over.

#### Cab

and the

All-around visibility and an excellent operator environment are at the center of Volvo's cab design. The EC220D features new Volvo styling. The spacious and safe environment has been built strong and includes slim cab pillars, large expanses of glass, an adjustable seat and easy to access controls for reduced fatigue and increased productivity.



JOINO

## **PREMIUM PERFORMANCE.**



#### Electro-hydraulic system

New electro-hydraulic system and main control valve (MCV) use intelligent technology to control on-demand flow and reduce internal losses in the hydraulic circuit. This provides increased controllability, shorter cycle times and improved fuel efficiency.

Featuring a new electro-hydraulic system, the EC220D provides you with the power, controllability and versatility you need, when you need it. Whether you're working in the road construction, quarry, trenching or any other application, this machine will surpass your expectations.

#### Improved controllability

Grading and combined operations are improved thanks to Volvo's smart hydraulic system which increases controllability. Benefit from smoother and easier movement when traveling and lifting simultaneously as well as better grading quality from the harmonized boom and arm movement.

#### Attachment Management System

The Attachment Management System (AMS) - controlled through the I-ECU - stores settings for up to 20 hydraulic attachments. The system can store flow, maximum pressure, single or double acting circuit, on/off or proportional control – increasing versatility and convenience.



#### Boom float option

Enables the boom to 'float' over the ground without pressure in the boom cylinders. Pump power is not used to lower the boom so there is more power available for other functions – like faster cycle times. The boom float provides easy controllability in grading and eliminates excessive shock when using a breaker.

#### Pressure preset

For ease of use, this system allows the operator to set the pressure through the I-ECU monitor. The settings can be stored in the Attachment Management System (AMS).

## **USER-FRIENDLY SERVICE ACCESS.**

Access greater uptime and spend longer working on the jobsite with the EC220D. With safe and easy access to centralized filters and grouped greasing points, you'll spend less time maintaining your machine and more time earning money with Volvo.

#### **Cooling system**

The radiator, charged air cooler and hydraulic oil cooler are situated sideby-side on a single layer to maximize efficiency, reduce blockages and aid cleaning. The system is easily accessed for maintenance by simply opening the side door from ground level.

#### Extra water separator

An additional water separator is available to further prevent water from entering the engine and impurities from contaminating the fuel. This feature provides increased water separation and filtration capacity for extra durability and reliability.



#### **Electrical Distribution Box**

The fully-sealed Electrical Distribution Box contains all fuses and relays – inside the box cover these are identified on a map. The Volvo design protects against dirt and moisture for more machine uptime. It is accessible from ground level for easy service access.

#### Toolbox

Tools and a grease can are stored inside a spacious, well-designed toolbox for easy service access and more machine uptime.

#### Service access

VOLVO

Large doors and engine hood – which can be fully opened – provide easy service access to components. Centralized filters and greasing points allow regular checks to be done faster for maximum machine uptime and productivity. Durable, steel anti-slip plates ensure safe access for maintenance in more weather conditions and over time.

6.19

# **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 the positive return of your investment.





#### **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**

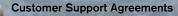
Our attention to detail is what makes us stand out. This proven concept acts as a solid investment in your machine's future. Parts are extensively tested and approved because every part is vital for uptime and performance. Only by using Genuine Volvo Parts, can you be sure that your machine retains the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





PROFITABILITY

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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.

FUEL CONSUMPTION

## A QUALITY NEW DESIGN.

#### Engine D6

Premium Volvo D6 diesel engine built with proven, advanced technology for high performance and low fuel consumption.



#### New I-ECU

The large, color LCD monitor clearly displays machine status information for easy operation and increased productivity.



### ECO mode

Volvo's unique ECO mode contributes to up to 5% of the machine's total improved fuel efficiency without any loss of performance.



operator environment.

#### Cab design

All-around visibility, safety, comfort and easy to access controls are at the center of Volvo's



#### Service access

Large doors and engine hood provide easy service access. Centralized filters and greasing points allow regular checks to be done faster.



#### Boom float

This option enables the boom to 'float' over the ground for easy controllability in grading and breaker operations.

#### Boom and arm

Proven Volvo design and manufacturing process, incorporating high strength tensile steel, provides maximum durability and uptime.

#### New D-series styling

The EC220D boasts new, modern D-series styling consistent with Volvo's product family.



#### Electro-hydraulic system

New electro-hydraulic system and MCV use intelligent technology to control on-demand flow for improved performance and efficiency.

#### New work modes

Volvo's unique work mode system now includes the G4 mode for optimum fuel efficiency and performance.



#### **Customer solutions**

Volvo provides the right solutions throughout the entire life cycle of your machine to lower total cost of ownership

#### Attachment Management System

The Attachment Management System (AMS) - controlled through the I-ECU - stores settings for up to 20 different hydraulic attachments.

#### Breaker / shear piping

Volvo designed hydraulic breaker / shear piping option provides optimum flow to the hydraulic attachments.

# GET THE MOST FROM YOUR EXCAVATOR.

Maximize your excavator's productivity and profitability with Volvo's comprehensive range of attachments – designed to work in perfect harmony with Volvo machines. Access more applications and effectively perform a variety of tasks while experiencing reduced fuel consumption and reduced cycle times.



#### Volvo buckets

Volvo offers a range of high quality buckets designed to perform in a variety of materials. Featuring exceptional design and built in durability, Volvo buckets efficiently handle the toughest of jobs.

#### Hydraulic breakers

Volvo hydraulic breakers have been built to break the most demanding materials. With consistent power and high breaking force you'll benefit from maximum impact and durability. Set your Volvo breaker at the right frequency to suit your application needs.

#### **INTERFACES**



S1 and S2 quick couplers

Volvo's dedicated quick couplers are the ideal choice when you need high performance as well as the ability to easily switch between various attachments - including a tiltrotator. The lightweight design features a low build height and a tight fit to the attachment.



#### Universal quick coupler

For ultimate flexibility, the universal quick coupler picks up a wide range of both Volvo and other brand attachments. The coupler can be used with buckets in both the face shovel and backhoe position.



#### Direct fit

For maximum productivity when only operating in one application, Volvo's direct fit attachments provide the best performance and shortest tip radius.

#### **BUCKETS & GROUND ENGAGING TOOLS**



General purpose bucket

The perfect tool for digging and re-handling soft to medium material such as dirt, sand and loose clay soils.



Heavy-duty bucket

This bucket excels at digging compact materials including loose rock, hard clay and gravel. It can be used in applications such as quarrying or mining.



#### Volvo Tooth System

Volvo's robust range of teeth and adapters are designed to cover all applications.



Fixed ditching bucket

Ideal for ditch cleaning, grading, contouring, landscaping, backfilling and removing soft materials.



Tiltable ditching bucket

This bucket can be tilted 45o to each side making it ideal for use on slopes. It can be used for ditch cleaning, grading, contouring, landscaping, backfilling and removing soft materials.



Wear parts

For increased durability, Volvo provides segments, side shrouds, bottom shrouds, teeth, side cutters and bolt-on edges.

#### **HYDRAULIC BREAKERS**



The all-in-one hydraulic breaker package includes everything you need to start using your breaker. Depending on the machine, it contains a breaker, hydraulic hoses, a breaker bracket and tool.



#### **Breaker Tools**

Volvo hydraulic breakers can be used in a variety of applications. To ensure optimum performance in your application select the right breaker tool from the range.

### **VOLVO EC220D IN DETAIL.**

#### Engine

The engine, which provide excellent performance, is equipped with six cylinder, vertical, electronic-controlled high pressure fuel injectors, internal EGR\* (\*for certain regions), 6 liter in-line waste gate turbo charger, air-to-air intercooler and water cooled diesel engine type.

Engine	Volvo	D6E
Max power at	r/s / r/min	30 / 1 800
Net, ISO 9249/SAE J1349	kW / hp	115/156
Gross, ISO 14396/SAE J1995	kW / hp	123 / 167
Max torque at	Nm/ r/min	730 / 1 350
No. of cylinders		6
Displacement	L	5.7
Bore	mm	98
Stroke	mm	126

#### Electrical system

High-capacity electrical system that is well protected. Waterproof double-lock harness plugs are used to secure corrosion-free connections. The main relays and solenoid valves are shielded to

prevent damage. The master switch is standard.

Advanced monitoring of machine functions and important diagnostic information is displayed on the I-ECU.

Voltage	V	24
Battery capacity	V / Ah	2 x 12 / 150
Alternator	V / Ah	28 / 80
Start motor	V / kW	24 / 5.5
Swing system		

The swing system uses an axial piston motors, driving a planetary gearbox for maximum torque. An automatic holding brake and anti-

Max. slew speed	r/min	12.1
Max. slew torque	kNm	76.7
- ·		

Drive Each track is powered by an automatic two-speed shift travel

motor. The track brakes are multi-disc, spring-applied and hydraulic released. The travel motor, brake and planetary gears are well protected within the track frame.

Max. travel speed (low / high)km/h3.5 / 5.7Max. drawbar pullkN183Gradeability°35

#### Undercarriage

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

		EC220D
Track shoe		2 x 46
Link pitch	mm	190
Shoe width, triple grouser	mm	600/700/800/900
Shoe width, triple grouser (HD)	mm	600
Shoe width, double grouser	mm	-
Bottom rollers		2 x 7
Top rollers		2 x 2
		EC220DL
Track shoe		2 x 49
Link pitch	mm	190
Shoe width, triple grouser	mm	500/600/700/800/900
Shoe width, triple grouser (HD)	mm	600
Shoe width, double grouser	mm	700
Bottom rollers		2 x 8
Top rollers		2 x 2
		EC220DLR
Track shoe		2 x 49
Link pitch	mm	190
Shoe width, triple grouser	mm	800/900
Shoe width, triple grouser (HD)	mm	-
Shoe width, double grouser	mm	-
Bottom rollers		2 x 8
Top rollers		2 x 2

#### Hydraulic system

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

ensure quick cycle times and high productivity.

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

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

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

Regeneration system: Prevents cavitation and provides flow to other movements during simultaneous operations for maximum productivity. Power boost: All digging and lifting forces are increased. Holding valves: Boom and arm holding valves prevent the digging

equipment from creeping.

Main pump, Type 2 x variable displace	cement axial pis	ston pumps
Maximum flow	l/min	. ż x 207
Pilot pump, Type Gear pump		
Maximum flow	l/min	1 x 18
Relief valve setting		
Implement	MPa	34.3 / 36.3
Travel circuit	MPa	34.3
Slew circuit	MPa	27.9
Pilot circuit	MPa	3.9
Hydraulic cylinders		
Mono boom		2
Bore x Stroke	ø x mm	125 x 1 235
Arm		1
Bore x Stroke	ø x mm	135 x 1 540
Bucket		1
Bore x Stroke	ø x mm	120 x 1 065
Bucket for long reach		1
Bore x Stroke	ø x mm	100 x 865
Service refill capacities		
Fuel tank	1	375
Hydraulic system, total	l I	295
Hydraulic tank	1	140
Engine oil	l I	25
Engine coolant	I	32
Swing reduction unit	I	8.6
Travel reduction unit	1	2 x 5.8
Cab		

#### Cab

The operator's cab has easy access via a wide door opening. The cab is supported on hydraulic dampening mounts to reduce shock and vibration levels. These along with sound absorbing lining provide low noise levels. The cab has excellent all-round visibility. The front windshield can easily slide up into the ceiling, and the lower front glass can be removed and stored in the side door.

Integrated air-conditioning and heating system:

The pressurized and filtered cab air is supplied by an automaticallycontrolled fan. The air is distributed throughout the cab from 14 vents. Ergonomic operator's seat: The adjustable seat and joystick console move independently to accommodate the operator. The seat has nine different adjustments plus a seat belt for the operator's comfort and safety.

#### Sound Level

Sound level in cab according to IS	O 6396						
LpA (standard / tropical)	dB(A)	70 / 70					
External sound level according to IS	External sound level according to ISO 6395 and EU Noise						
Directive (2000/14/EC) and 474-1:2006 +A1:2009							
LwA (standard / tropical)	dB(A)	103 / 105					

### **SPECIFICATIONS.**

#### **BUCKET SELECTION GUIDE**

			<b>•</b>				EC2	20D			EC22	20DL	
Buck	et type	Capacity	Cutting width	Weight	Teeth				5.7m	Boom			
Buck	ertype		wiath				600	mm sho	be, 4 20	0kg co	unterwe	eight	
		L	mm	kg	EA	2.0m	2.5m	2.9m	3.5m	2.0m	2.5m	2.9m	3.5m
		480	600	638	3	С	С	С	С	С	С	С	С
		920	1 050	834	4	С	С	С	С	С	С	С	С
	General	970	1 100	857	4	С	С	С	С	С	С	С	С
Diverse fit	purpose	1 090	1 200	923	5	С	С	С	В	С	С	С	С
Direct fit Buckets		1 270	1 350	1 010	5	С	В	В	А	С	С	С	В
DUCKEIS		1 440	1 500	1 100	6	В	В	А	Х	С	В	В	А
Heavy		920	1 050	898	4	D	D	D	D	D	D	D	D
	Heavy duty	1 090	1 200	983	5	D	D	С	В	D	D	D	С
	uuty	1 270	1 350	1 066	5	С	В	В	А	D	D	С	В

Please consult with your Volvo dealer for the proper match of buckets and attachments to suit the application. The recommendations are given as a guide only, based on typical operation conditions. Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

### X : Not recommended

Max	mum	ma	iteral	ae	nsit
	4 00	~ 4	000		1 2

X : N	lot recommended		
Max	imum materal density		
Α	1 200~1 300 kg/m³	Coal, Caliche, Shale	
D	1 400 1 600 1 - /3	Mat carth and alow Limestone	Condat

- 1 400~1 600 kg/m³Wet earth and clay, Limestone, Sandstone1 700~1 800 kg/m³Granite, Wet sand, Well blasted rock1 900 kg/m³ ~Wet mud, Iron ore В С
- D 1 900 kg/m<sup>3</sup> ~

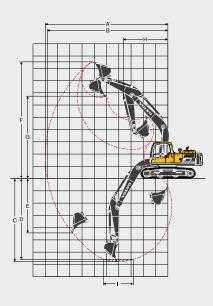
#### MACHINE WEIGHTS AND GROUND PRESSURE

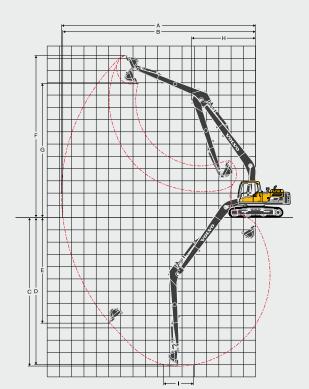
EC220D	5.7m boom 2.9m arm 770kg (920I) bucket 3 700kg counterweight				5.7m boom 2.9m arm 770kg (920l) bucket 4 200kg counterweight			
Description	Shoe width	Operating weight	Ground pressure	Overall width	Shoe width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	mm	kg	kPa	mm
	600	21 000	47.1	2 800	600	21 500	48.0	
	HD 600	21 160	47.1	2 800	HD 600	21 660	48.0	2 800
Triple grouser	700	21 430	41.2		700	21 930	42.2	
	800	21 700	36.3		800	22 200	37.3	
	900	21 980	32.4	3 100	900	22 480	33.3	3 100
EC220DL		5.7m boom	2.9m arm		5.7m boom 2.9m arm			
LCZZODL	890kg (1 (	000I) bucket 3	3 700kg cou	nterweight	890kg (1 (	000I) bucket 4	1 200kg cou	nterweight
Description	Shoe width	Operating weight	Ground pressure	Overall width	Shoe width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	mm	kg	kPa	mm
	500	21 130	53.0	2 890	500	21 630	53.9	2 890
	600	21 390	44.1	2 990	600	21 890	45.1	2 990
Triple grouper	HD 600	21 650	45.1	2 990	HD 600	22 150	46.1	2 990
Triple grouser	700	21 940	39.2	3 090	700	22 440	40.2	3 090
	800	22 220	34.3	3 190	800	22 720	35.3	3 190
	900	22 520	31.4	3 290	900	23 020	31.4	3 290
Double grouser	700	22 220	39.2	3 090	700	22 720	40.2	3 090
EC220DLR	460kg (5	8.85m boom 201) bucket 4		terweight				

Description	Shoe width	Operating weight	Ground pressure	Overall width	
	mm	kg	kPa	mm	
Triple grouper	800	23 710	37.3	3 190	
Triple grouser	900	23 990	33.3	3 290	

## SPECIFICATIONS.

#### WORKING RANGES





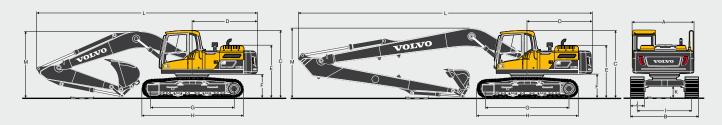
Description			Unit		EC220D and	EC220DL		EC220DLR	
Boom			m		5.7				
Arm			m	2.0	2.5	2.9	3.5	6.25	
A Max. digging	reach		mm	9 090	9 550	9 930	10 390	15 800	
B Max. digging	reach on groun	d	mm	8 910	9 380	9 770	10 240	15 700	
C Max. digging	depth		mm	5 830	6 330	6 730	7 330	12 100	
D Max. digging	depth (I = 2440	) mm level)	mm	5 560	6 100	6 540	7 130	12 000	
E Max. vertical v	vall digging dep	oth	mm	4 880	5 620	6 090	6 470	11 290	
F Max. cutting h	eight		mm	8 940	9 220	9 460	9 460	13 300	
G Max. dumping	l height		mm	6 190	6 430	6 650	6 700	10 950	
H Min. front swin			mm	3 790	3 670	3 640	3 660	5 200	
Digging forces w	with direct fit I	bucket							
Bucket radius			mm	1 470	1 470	1 470	1 470	1 250	
	Normal	SAE J1179	kN	151	130	130	130	68	
Breakout force -	Power boost	SAE J1179	kN	160	137	137	137	-	
bucket	Normal	ISO 6015	kN	168	145	145	145	77	
	Power boost	ISO 6015	kN	178	153	153	153	-	
	Normal	SAE J1179	kN	146	119	102	93	44	
Tearout force - dipper arm	Power boost	SAE J1179	kN	155	125	108	98	-	
	Normal	ISO 6015	kN	150	122	105	95	45	
	Power boost	ISO 6015	kN	159	129	111	100	-	
Rotation angle, b	ucket		0	175	175	175	175	178	

#### DIMENSIONS

EC220D			Boom		Arm									
		0	A	В										
Description	Unit		HD	Long reach				HD		Long reach				
	m	5.7	5.7	8.85	2.0	2.5	2.9	2.9	3.5	6.25				
Length (A)	mm	5910	5910	9 060	3 065	3 525	3 910	3 910	4 540	7 330				
Height (B)	mm	1 585	1 585	1 460	980	860	860	860	855	945				
Width	mm	670	670	670	440	440	440	440	440	385				
Weight	kg	1 995	2 135	2 510	1 091	1 129	1 121	1 176	1 226	1 309				

Boom includes cylinder, piping and pin, excludes boom cylinder Pin | Arm includes cylinder, linkage and pin

#### DIMENSIONS



Description				EC2	20D			EC220DLR				
Во	om	m		5	.7			8.85				
Arr	n	m	2.0	2.5	2.9	3.5	2.0	2.5	2.9	3.5	6.25	
А	Overall width of upper structure	mm	2 700	2 700	2 700	2 700	2 700	2 700	2 700	2 700	2 700	
В	Overall width	mm	2 800	2 800	2 800	2 800	2 990	2 990	2 990	2 990	3 190	
С	Overall height of cab	mm	2 930	2 930	2 930	2 930	2 930	2 930	2 930	2 930	2 930	
D	Tail slew radius	mm	2 850	2 850	2 850	2 850	2 850	2 850	2 850	2 850	2 850	
Е	Overall height of engine hood	mm	2 315	2 315	2 315	2 315	2 315	2 315	2 315	2 315	2 315	
F	Counterweight clearance *	mm	1 025	1 025	1 025	1 025	1 025	1 025	1 025	1 025	1 050	
G	Tumbler length	mm	3 370	3 370	3 370	3 370	3 660	3 660	3 660	3 660	3 660	
Н	Track length	mm	4 160	4 160	4 160	4 160	4 460	4 460	4 460	4 460	4 460	
I	Track gauge	mm	2 200	2 200	2 200	2 200	2 390	2 390	2 390	2 390	2 390	
J	Shoe width	mm	600	600	600	600	600	600	600	600	800	
Κ	Minimum ground clearance *	mm	460	460	460	460	460	460	460	460	460	
L	Overall length	mm	9 795	9 7 4 5	9 690	9 720	9 795	9 745	9 690	9 720	12 880	
М	Overall height of boom	mm	3 100	3 080	2 940	3 260	3 100	3 080	2 940	3 260	3 055	
* W	* Without shoe grouser											

#### LIFTING CAPACITY EC220D

Lifting capacity at the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

				1.5	ō m	3.0	) m	4.5	ō m	6.0	) m	7.5	ōm		Max. reach	
		Lifting p	point	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	mm
Boom	5.7m	7.5 m	kg											*6 280	6 230	4 933
Arm	2.0m 600mm	6.0 m	kg							*6 030	4 490			*6 080	4 1 2 0	6 305
Shoe		4.5 m	kg					*7 680	6 7 7 0	*6 430	4 350			5 100	3 310	7 102
CWT	3 700kg	3.0 m	kg					*9 670	6 190	6 470	4 120	4 580	2 940	4 560	2 930	7 516
		1.5 m	kg							6 230	3 910	4 490	2 860	4 390	2 800	7 61 1
		0 m	kg					9 510	5 640	6 100	3 790			4 530	2 870	7 399
		-1.5 m	kg					9 530	5 670	6 090	3 780			5 050	3 190	6 852
		-3.0 m	kg			*13 360	11 220	9 710	5 810					6 4 4 0	4 030	5 872
Boom	5.7m	7.5 m	kg											*5 650	5 110	5 627
Arm	2.5m	6.0 m	kg							*5 480	4 610			5 560	3 650	6 857
Shoe	600mm 3 700kg	4.5 m	kg					*6 970	6 950	*5 990	4 4 4 0	4 730	3 080	4 630	3 010	7 596
CWT		3.0 m	kg					*8 970	6 360	6 550	4 190	4 630	2 990	4 190	2 700	7 983
		1.5 m	kg					9 770	5 870	6 280	3 950	4 510	2 880	4 040	2 580	8 073
		0 m	kg					9 510	5 640	6 1 1 0	3 800	4 430	2 800	4 140	2 620	7 874
		-1.5 m	kg			*10 860	10 790	9 470	5 610	6 050	3 750			4 540	2 870	7 362
		-3.0 m	kg			*14 650	11 000	9 600	5 720	6 1 4 0	3 830			5 540	3 480	6 463
		-4.5 m	kg			*11 300	*11 300	*8 070	6 010					*7 100	5 250	4 961
Boom	5.7m	7.5 m	kg							*5 130	4 670			*4 910	4 4 3 0	6 174
Arm	2.9m	6.0 m	kg							*5 030	4 670			*4 570	3 290	7 311
Shoe	600mm	4.5 m	kg							*5 600	4 490	4 770	3 110	4 260	2 760	8 006
CWT	3 700kg	3.0 m	kg					*8 350	6 470	*6 510	4 230	4 640	3 000	3 890	2 490	8 375
		1.5 m	kg					9 850	5 920	6 300	3 970	4 500	2 870	3 750	2 380	8 460
		0 m	kg			*5 420	*5 420	9 500	5 630	6 090	3 780	4 400	2 770	3 830	2 410	8 270
		-1.5 m	kg	*6 260	*6 260	*10 320	*10 320	9 410	5 550	6 010	3 700	4 370	2 7 4 0	4 150	2 610	7 786
		-3.0 m	kg	*11 380	*11 380	*15 460	10 810	9 490	5 620	6 050	3 740			4 930	3 100	6 943
		-4.5 m	kg			*12 560	11 210	*8 920	5 850					*6 820	4 350	5 577

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

### SPECIFICATIONS.

#### LIFTING CAPACITY EC220DL

Lifting capacity at the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

				1.5	i m	3.0	) m	4.5	i m	6.0	) m	7.5	5 m		Max. reach	
		Lifting po	oint	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	mm
Boom	5.7m	7.5 m	kg											*6 280	*6 280	4 933
Arm	2.0m	6.0 m	kg					+7.000	7 5 5 0	*6 030	4 980			*6 080	4 570	6 305
Shoe CWT	600mm 3 700kg	4.5 m 3.0 m	kg kg					*7 680 *9 670	7 550 6 950	*6 430 *7 240	4 840 4 600	5 190	3 290	5 770 5 170	3 680 3 280	7 102 7 516
0	o / ookg	1.5 m	kg					0 01 0	0 000	7 120	4 390	5 090	3 210	4 980	3 140	7 611
		0 m	kg					11 060	6 400	6 980	4 270			5 1 4 0	3 220	7 399
		-1.5 m	kg			*13 360	10.040	11 090 *9 930	6 420	6 970	4 260			5 750	3 580	6 852
Boom	5.7m	-3.0 m 7.5 m	kg kg			13 300	12 940	9 930	6 570					7 360 *5 650	4 530 *5 650	5 872 5 627
Arm	2.5m	6.0 m	kg							*5 480	5 100			*5 570	4 050	6 857
Shoe	600mm	4.5 m	kg					*6 970	*6 970	*5 990	4 930	5 340	3 430	5 230	3 350	7 596
CWT	3 700kg	3.0 m 1.5 m	kg					*8 970 *10 710	7 130 6 620	*6 870 7 170	4 680 4 430	5 240 5 120	3 330 3 220	4 740 4 580	3 010 2 890	7 983 8 073
		0 m	kg kg					11 070	6 400	6 990	4 430	5 030	3 1 5 0	4 700	2 940	7 874
		-1.5 m	kg			*10 860	*10 860	11 030	6 370	6 930	4 230			5 160	3 220	7 362
		-3.0 m	kg			*14 650	12 710	*10 490	6 470	7 020	4 300			6 310	3 910	6 463
D	E 7	-4.5 m	kg			*11 300	*11 300	*8 070	6 770	*E 100	*E 100			*7 100 *4 910	5 900 4 900	4 961
Boom Arm	5.7m 2.9m	7.5 m 6.0 m	kg kg							*5 130 *5 030	*5 130 *5 030			*4 570	4 900 3 660	6 174 7 311
Shoe	600mm	4.5 m	kg							*5 600	4 980	*5 290	3 460	*4 510	3 080	8 006
CWT	3 700kg	3.0 m	kg					*8 350	7 250	*6 510	4 710	5 250	3 340	4 400	2 790	8 375
		1.5 m	kg			*5 420	*E 400	*10 250	6 690	7 190	4 450	5 110	3 220	4 250	2 680 2 720	8 460
		0 m -1.5 m	kg kg	*6 260	*6 260	*10 320	*5 420 *10 320	11 060 10 970	6 380 6 300	6 980 6 890	4 260 4 180	5 010 4 970	3 120 3 090	4 350 4 720	2 940	8 270 7 786
		-3.0 m	kg	*11 380	*11 380	*15 460	12 510	*10 790	6 370	6 930	4 220	1010	0 000	5 620	3 490	6 943
		-4.5 m	kg			*12 560	*12 560	*8 920	6 610					*6 820	4 890	5 577
Boom Arm	5.7m 3.5m	7.5 m 6.0 m	kg									*4 620	3 610	*4 270 *4 060	*4 270 3 330	6 792 7 837
Shoe	600mm	4.5 m	kg kg							*5 030	*5 030	*4 830	3 540	*4 050	2 850	8 488
CWT	3 700kg	3.0 m	kg			*11 320	*11 320	*7 440	*7 440	*6 000	4 820	*5 300	3 410	4 080	2 590	8 836
		1.5 m	kg					*9 530	6 860	*7 060	4 520	5 160	3 250	3 950	2 490	8 9 1 7
		0 m -1.5 m	kg	*6 270	*6 270	*7 100 *10 380	*7 100 *10 380	*10 930 10 950	6 450 6 290	7 020 6 880	4 290 4 170	5 020 4 950	3 130 3 060	4 010 4 300	2 510 2 680	8 738 8 281
		-3.0 m	kg kg	*10 200	*10 200	*15 300	12 310	10 950	6 300	6 870	4 170	4 900	3 000	4 980	3 090	7 496
		-4.5 m	kg		*15 240	*14 190	12 660	*9 870	6 460	7 010	4 290			6 600	4 060	6 255
Boom		7.5 m	kg							+0.000	5 000			*6 280	*6 280	4 933
Arm Shoe	2.0m 600mm	6.0 m 4.5 m	kg kg					*7 680	*7 680	*6 030 *6 430	5 280 5 140			*6 080 6 070	4 850 3 930	6 305 7 102
CWT	4 200kg	3.0 m	kg					*9 670	7 390	*7 240	4 910	5 470	3 520	5 460	3 510	7 516
	5 5	1.5 m	kg							7 510	4 690	5 380	3 4 3 0	5 270	3 360	7 611
		0 m	kg					*11 580	6 840	7 370	4 570			5 430	3 450	7 399
		-1.5 m -3.0 m	kg kg			*13 360	*13 360	*11 190 *9 930	6 860 7 010	7 360	4 560			6 080 *7 360	3 840 4 830	6 852 5 872
Boom	5.7m	7.5 m	kg			10 000	10 000	0.000	1010					*5 650	*5 650	5 627
Arm	2.5m	6.0 m	kg							*5 480	5 400			*5 570	4 300	6 857
Shoe	600mm	4.5 m	kg					*6 970	*6 970	*5 990	5 230	5 630	3 660	5 510	3 580	7 596
CWT	4 200kg	3.0 m 1.5 m	kg kg					*8 970 *10 710	7 570 7 070	*6 870 7 560	4 980 4 730	5 530 5 400	3 560 3 450	5 000 4 840	3 230 3 100	7 983 8 073
		0 m	kg					*11 490	6 840	7 380	4 580	5 320	3 370	4 960	3 1 6 0	7 874
		-1.5 m	kġ				*10 860		6 810	7 320	4 530			5 460	3 460	7 362
		-3.0 m					13 540 *11 300		6 910	7 410	4 600			6 660	4 190	6 463
Boom	5.7m	-4.5 m 7.5 m	kg kg			11 300	11 300	*8 070	7 210	*5 130	*5 130			*7 100 *4 910	6 290 *4 910	4 961 6 174
Arm	2.9m	6.0 m	kg							*5 030	*5 030			*4 570	3 900	7 311
Shoe	600mm	4.5 m	kg							*5 600	5 280	*5 290	3 690	*4 510	3 290	8 006
CWT	4 200kg	3.0 m	kg					*8 350	7 690	*6 510	5 010	5 540	3 570	*4 630	2 990	8 375
		1.5 m 0 m	kg kg			*5 420	*5 420	*10 250 *11 290	7 130 6 830	*7 470 7 360	4 750 4 560	5 400 5 290	3 440 3 350	4 500 4 600	2 870 2 920	8 460 8 270
		-1.5 m	kg	*6 260	*6 260	*10 320	*10 320	*11 450	6 7 4 0	7 280	4 480	5 260	3 310	5 000	3 160	7 786
		-3.0 m	kg	*11 380	*11 380	*15 460	13 330	*10 790	6 820	7 320	4 520			5 940	3 740	6 943
Boom	5.7m	-4.5 m	kg			*12 560	*12560	*8920	7 050					*6 820	5 220	5 577
Boom Arm	5.7 m 3.5m	7.5 m 6.0 m	kg kg									*4 620	3 840	*4 270 *4 060	*4 270 3 550	6 792 7 837
Shoe	600mm	4.5 m	kg							*5 030	*5 030	*4 830	3 770	*4 050	3 040	8 488
CWT	4 200kg	3.0 m	kg			*11 320	*11 320	*7 440	*7 440	*6 000	5 1 2 0	*5 300	3 630	*4 180	2 780	8 836
		1.5 m	kg			*7 100	*7 100	*9 530	7 300	*7 060	4 820	5 440	3 480	4 180	2 670	8 917
		0 m -1.5 m	kg kg	*6 270	*6 270	*7 100 *10 380	*7 100 *10 380	*10 930 *11 450	6 890 6 730	7 410 7 270	4 600 4 470	5 310 5 230	3 360 3 290	4 240 4 550	2 700 2 880	8 738 8 281
		-3.0 m	kg	*10 200			13 140	*11 160	6 740	7 260	4 470	0 200	0 200	5 260	3 320	7 496
		-4.5 m		*15 240				*9870	6 900	*7140	4 590			*6 710	4 350	6 255

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

#### LIFTING CAPACITY EC220DL

Lifting capacity at the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

		1.5 m		3.0	) m	4.5	i m	6.0	) m	7.5	ōm		Max. reach			
		Lifting p	oint	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	mm
Boom		7.5 m	kg											*6 280	*6 280	4 933
Arm	2.0m	6.0 m	kg							*6 030	5 090			*6 080	4 670	6 305
Shoe	800mm	4.5 m	kg					*7 680	*7 680	*6 430	4 950	5 000	0.000	5 910	3 780	7 102
CWT	3 700kg	3.0 m	kg					*9 670	7 120	*7 240	4 720	5 320	3 380	5 310	3 360	7 516
		1.5 m	kg					11.050	0 5 0 0	7 300	4 500	5 230	3 290	5 120	3 220	7 611
		0 m -1.5 m	kg					11 350 *11 190	6 560 6 590	7 160 7 150	4 380			5 280	3 300 3 680	7 399
		-1.5 m -3.0 m	kg kg			*13 360	13 250	*9 930	6 7 4 0	7 150	4 370			5 910 *7 360	4 640	6 852 5 872
Boom	5.7m	7.5 m				13 300	13 200	9 930	0740					*5 650	*5 650	5 627
Arm	2.5m	6.0 m	kg kg							*5 480	5 210			*5 570	4 140	6 857
Shoe	800mm	4.5 m	kg					*6 970	*6 970	*5 990	5 040	5 480	3 510	5 360	3 440	7 596
CWT	3 700kg	3.0 m	kg					*8 970	7 290	*6 870	4 790	5 370	3 420	4 870	3 090	7 983
	- · · · · · · · · · · · · · · · · · · ·	1.5 m	kg					*10 710	6 7 9 0	7 350	4 550	5 250	3 310	4 700	2 970	8 073
		0 m	kg					11 360	6 560	7 1 7 0	4 390	5 1 7 0	3 2 3 0	4 820	3 030	7 874
		-1.5 m	kg			*10 860	*10 860	11 320	6 530	7 120	4 340			5 300	3 310	7 362
		-3.0 m	kg			*14 650	13 020	*10 490	6 640	7 200	4 420			6 480	4 020	6 463
		-4.5 m	kg			*11 300	*11 300	*8 070	6 940					*7 100	6 050	4 961
Boom		7.5 m	kg							*5 130	*5 130			*4 910	*4 910	6 174
Arm	2.9m	6.0 m	kg							*5 030	*5 030			*4 570	3 750	7 311
Shoe	800mm	4.5 m	kg					+0.050	7 440	*5 600	5 100	*5 290	3 550	*4 510	3 160	8 006
CWT	3 700kg	3.0 m	kg					*8 350 *10 250	7 410 6 850	*6 510 7 370	4 830 4 560	5 390 5 250	3 430 3 300	4 520 4 370	2 860	8 375 8 460
		1.5 m 0 m	kg			*5 420	*5 420	*11 290	6 550	7 160	4 370	5 2 5 0	3 200	4 370	2 750 2 790	8 460
		-1.5 m	kg kg	*6 260	*6 260	*10 320	*10 320	11 250	6 470	7 070	4 290	5 1 1 0	3 1 7 0	4 400	3 020	7 786
		-3.0 m	kg	*11 380		*15 460	12 820	*10 790	6 540	7 110	4 330	0110	0170	5 770	3 580	6 943
		-4.5 m	kg	11 000	11 000	*12 560	*12 560	*8 920	6 780	1 1 1 0	1000			*6 820	5 010	5 577
Boom	5.7m	7.5 m	kg			12 000	.2 000	0 0 2 0	0.00					*4 270	*4 270	6 792
Arm	3.5m	6.0 m	kg									*4 620	3 700	*4 060	3 4 1 0	7 837
Shoe	800mm	4.5 m	kg							*5 030	*5 030	*4 830	3 630	*4 050	2 920	8 488
CWT	3 700kg	3.0 m	kğ			*11 320	*11 320	*7 440	*7 440	*6 000	4 930	*5 300	3 490	*4 180	2 660	8 836
		1.5 m	kg					*9 530	7 020	*7 060	4 640	5 290	3 340	4 060	2 560	8 917
		0 m	kg			*7 100	*7 100	*10 930	6 620	7 200	4 4 1 0	5 160	3 220	4 1 2 0	2 580	8 738
		-1.5 m	kg	*6 270		*10 380	*10 380	11 240	6 460	7 060	4 290	5 080	3 150	4 420	2 750	8 281
		-3.0 m	kg	*10 200		*15 300	12 630	*11 160	6 470	7 050	4 270			5 1 1 0	3 180	7 496
	Machine in "Find	-4.5 m	kg	*15 240		*14 190	12 970	*9 870	6 630	*7 140	4 400			*6 710	4 170	6 255

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

#### LIFTING CAPACITY EC220DLR

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.

				6.0		7 6		0.0		10	E	10	0	10	E					
							) m	7.5	ö m	9.0	) m	10.	5 m	12.	0 m	13.	5 m			
		Lifting p	oint	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	mm		
Boom Arm	8.85m 6.25m	12.0 m 10.5 m														*880 *810		10 291 11 610		
Shoe	800mm	9.0 m	kg									*1 500	*1 500			*760	*760	12 612		
CWT	4 900kg	7.5 m	kg							*2 160		*2 140	1 910			*740	*740	13 370		
		6.0 m	kg							*2 330	*2 330	*2 270	1 860	*1 370	*1 370	*740	*740	13 923		
		4.5 m	kg					*2 750	*2 750	*2 550	2 300	*2 410	1 780	*1 880	1 370	*750	*750	14 297		
		3.0 m	kg	*4 530	*4 530	*3 660	*3 660	*3 140	2 800	*2 810	2 1 6 0	*2 580	1 680	2 240	1 320	*790	*790	14 504		
		1.5 m	kg	*5 520	4 620	*4 270	3 390	*3 540	2 580	*3 080		2 660	1 590	2 1 8 0		*830		14 553		
		0 m	kg	*6 310	4 180	*4 800	3 1 0 0	*3 910	2 390	3 1 5 0		2 560	1 500	2 1 2 0		*900		14 445		
		-1.5 m	kg	*6 820		4 940	2 890	3 810	2 2 4 0	3 040		2 490		2 080		*1 000	*1 000			
		-3.0 m	kg	6 680	3 780	4 800	2 7 7 0	3 700	2 1 4 0	2 970	1 710	2 4 4 0	1 380	*1730	1 1 4 0	*1 130	1 1 1 0			
		-4.5 m	kg	6 640	3 750	4 750	2 7 2 0	3 650	2 1 0 0	2 930	1 670	2 430	1 370			*1 320		13 109		
		-6.0 m	kg	6 6 9 0	3 790	4 760	2 7 3 0	3 660	2 1 0 0	2 940		2 460	1 400			*1 620	1 360			
		-7.5 m	kg	*6 450		4 840	2 810	3 7 2 0	2 1 6 0	3 010	1 750					*2 120	1 620			
		-9.0 m	kg	*5 680	4 080	*4 520	2 950	*3 590	2 290							*3 170	2 0 9 0	9 684		
		-10.5 m	kg	*4 360	*4 360	*3 310	3 210									*3 210	3 1 3 0	7 643		

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

### EQUIPMENT.

#### STANDARD EQUIPMENT

#### Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler Air filter with indicator Air intake heater Cyclone pre-cleaner Fuel filter and water separator Alternator, 80 A Electric/Electronic control system Contronics Advanced mode control system Self-diagnostic system Caretrack and 3yr-Caretrack subscription Machine status indication Engine speed sensing power control Automatic idling system One-touch power boost Safety stop/start function Adjustable LCD color monitor Master electrical disconnect switch Engine restart prevention circuit High-capacity halogen lights: Frame-mounted 2 Boom-mounted 2 Batteries, 2 x 12 V / 150 Ah Start motor, 24 V / 5.5 kW Hydraulic system Automatic sensing hydraulic system Summation system Boom priority Arm priority Swing priority ECO mode fuel saving technology Boom, arm and bucket regeneration valves Swing anti-rebound valves Boom and arm holding valves Multi-stage filtering system Cylinder cushioning Cylinder contamination seals Auxiliary hydraulic valve Automatic two-speed travel motors Hydraulic oil, ISO VG46 Frame Access way with handrail Tool storage area Punched metal anti-slip plates Under cover Cab and Interior Travel pedals and hand levers Adjustable operator seat with heater and joystick control console Control joysticks Heater & air-conditioner, automatic Flexible antenna AM/FM stereo with CD player, MP3 and USB input Control lock out lever Cab, all-weather sound suppressed, includes:

Cup holders
Door locks
Tinted glass
Floor mat
Horn
Large storage area
Pull-up type front window
Removable lower windshield
Seat belt
Safety glass
Windshield wiper with intermittent feature
Master key
Sun screens, front, roof, rear
Undercarriage
Under cover
Hydraulic track adjusters
Greased and sealed track link
Track Guard
Digging equipment
Linkage

#### **OPTIONAL EQUIPMENT**

Engine
Block heater: 120 V, 240 V
Oil bath pre-cleaner
Diesel coolant heater, 5 kW
Water separator with heater
Auto engine shutdown
Fuel filler pump, 35 lpm, 50 lpm with automatic shut-off
Electric
Extra work lights:
Cab-mounted 3 (front 2, rear 1)
Counterweight-mounted 1
Travel alarm
Anti-theft system
Rotating warning beacon
Hydraulic system
Hose rupture valve: boom, arm
Overload warning device
Boom float function with HRV
Boom float function without HRV
Hydraulic piping:
Work tool management system (up to 20 programmable memories)
Hammer & shear, 1 and 2 pump flow
Hammer & shear: variable flow and pressure pre-setting
Additional return filter
Slope & rotator
Grapple
Oil leak (drain) line
Quick coupler piping
Volvo hydraulic quick coupler S1, S1 without hook
Volvo hydraulic quick coupler U21
Hydraulic oil, ISO VG 32, 68
Hydraulic oil, longlife oil 32, 46, 68

OPTIONAL EQUIPMENT	SELECTION OF VOLVO O	PTIONAL EQUIPMENT
Cab and interior		
Silicon oil and rubber mounts with spring ROPS (ISO12117-2) certified cab Fabric seat without heater		
Fabric seat with heater and air suspension		
Control joysticks with semi-long	X1 electrical pedal	
Control joysticks with 3 switch & 1 propotional		
Pilot control pattern change		
Straight travel pedal		
Opening top hatch		
Cab-mounted falling object guard (FOG)		
Cab-mounted falling object protective structure (FOPS)		
Smoker kit (ashtray and lighter)		
Safety net for front window		States and a state of the state
Front rain shield		
Sun shield, roof hatch (steel)	Diesel coolant heater	A CALL STAND.
Lower wiper with intermittent control		The Design of the
Anti-vandalism kit		
Rear view camera		
Specific key		and the second s
Undercarriage		
Full track guard	-	S DATA STREET, SOME STREET, S
Track shoes	_	
500/600/700/800/900 mm with triple grousers	_	COLUMN ADDRESS OF TAXABLE PARTY.
Track shoes 600 mm HD with triple grousers		
Track shoes 700 mm with double grousers	Long life hydraulic oil	
Frame		VALUE AND DESCRIPTION OF A DESCRIPTION O
Rear view mirror on counterweight	_	IN INC. NO. IN CONTRACTOR OF A DESCRIPTION OF A DESCRIPTI
Full height counterweight:		
3 700kg, 4 200kg		
4 900kg for long reach		And a second sec
Digging equipment		
Boom: 5.7 m monoblock, 8.85 m long reach	_	
Arm: 2.0 m, 2.5 m, 2.9 m, 3.5 m		
Arm: 6.25 m, long reach		
Linkage with lifting eye		
Service	Additional working lights	
Tool kit, daily maintenance		
Tool kit, full scale		
	Rearview camera	

Oil bath pre cleaner



### **VOLVO CONSTRUCTION EQUIPMENT**

Volvo Construction Equipment is different. Our machines are designed, built and supported in a different way. That difference comes from an engineering heritage of over 180 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo.

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.



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