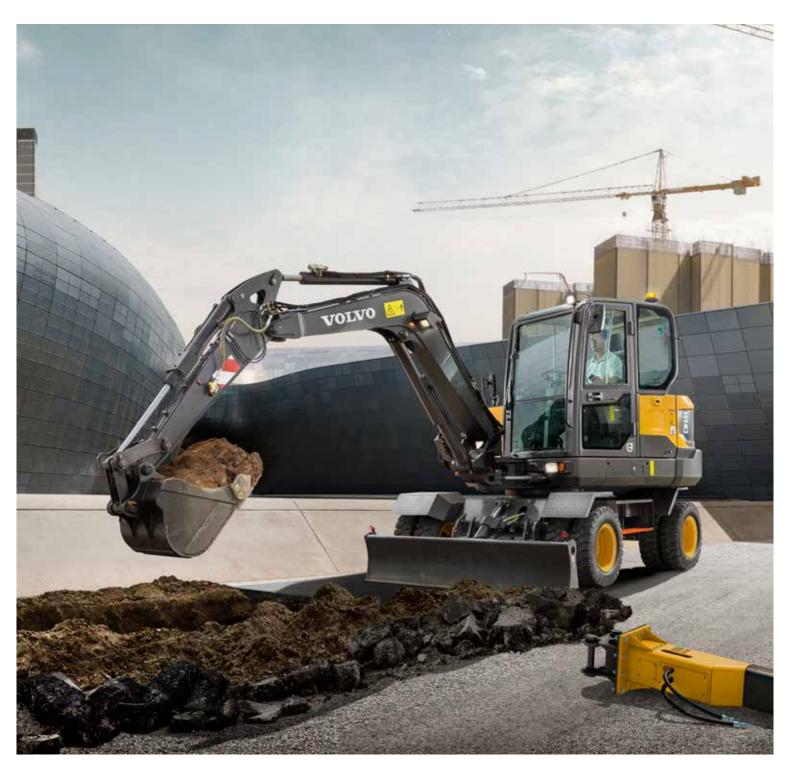
EW60E

Volvo Excavators 5.55-6.96 t 47.3 kW



Space and comfort to work

The EW60E features an innovative cab design for a comfortable and more productive operator environment. Well-designed ergonomics and a modern LCD display give you perfect control in all operations. Plenty of storage space is available for personal belongings.

Operator convenience

Ample storage space is available for operator comfort and convenience. A phone tray, two power sockets, cup holder and three other large storage areas makes the Volvo cab a more convenient working environment.



Work in comfort

The comfortable and adjustable seat makes it easier for the operator to work hard all day and feel less tired by the end of it. The cab's air conditioning is efficient and in automatic mode, the temperature remains at a set level. Six adjustable vents allow for optimal airflow in the cab.



Operator visibility

All-round visibility is enhanced by thin pillars, large glazed area and a large wiper blade. The rear view camera secures a better view for perfect and safe control through the 7" color LCD display. This ensures there are no blind spots even in the most confined working areas.



Ease of control

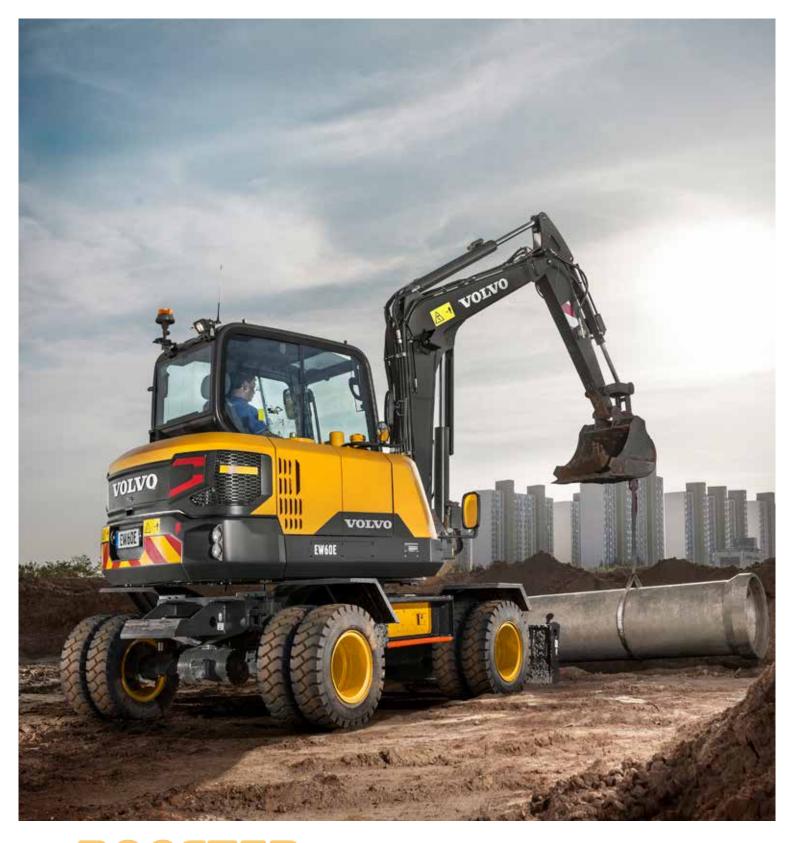
Control your machine with minimal effort in order to get more done in less time. The keypad groups all controls on the right hand side and the 7" color LCD screen displays all machine information for access to functions through its easy to use menus. Through the hot keys, the operator can directly access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





LARGER CAB

A comfortable working space results in better operation, increasing production and reducing fatigue. The cab design creates space behind the seat, allowing the operator to move more freely. The new generation Volvo Cab features excellent visibility and reduced noise levels.



BOOSTED PERFORMANCE

Do more in less time with outstanding combined digging efforts, powerful travel force, fluid swing force and optimal lifting capacity. The EW60E has been designed to tackle the most challenging job sites and contracts using the powerful Volvo Stage V engine and adjustable hydraulic flow. Its well-balanced driveline delivers optimum performance whether working on the job site or on the move.

Power for performance

Climb quick, swing smooth, dig hard and load fast with the EW60E. The traction, swing force and lifting capacity gets you results, fast. This versatile and powerful machine can be tailored for any job and is suitable for a wide range of applications.

Powerful Volvo Stage V engine

Give your job site a boost and achieve fast results. Great power and effective cooling ensure optimized performance in any climate. For the ultimate combination of power and performance, the Stage V engine helps to push through challenging conditions.



Smooth operation

Smooth combined operations means you can make very accurate and precise movements. With responsive controls the machine does exactly what the operator intends for less fatigue and fluent movement.



Versatility

Perform on any job site, whether you're working in a confined space or major construction area. The machine's compact design, long arm, optional fixed boom and offset boom, long dozer blade, auxiliary hydraulic and thumb piping makes the machine suitable for a wide range of jobs and applications.



Wheeled performance

A top speed up to 30km/h and the four wheel drive allow you to go on and off-road for better mobility. Drive the machine easily between locations and access hard to reach job sites to save time and keep your machine in prime condition.



Profit in your business

The EW60E is designed and built to increase your profitability and keep you working for longer. To reduce your running costs it features excellent service access, convenient maintenance points and Volvo's auto engine shutdown feature. With outstanding fuel efficiency this durable and reliable machine secures your costs and increases your uptime.

Low fuel consumption

The Volvo engine and hydraulics together offer superior fuel efficiency. The standard auto idle feature helps to reduce your fuel consumption even further and increase your profits.



Auto engine shutdown

A unique offering from Volvo, the engine stops automatically after a preselected time, lowering fuel costs and noise. A stopped hour meter reduces maintenance costs and increases the resale value of the machine.



MATRIS and VCADS Pro

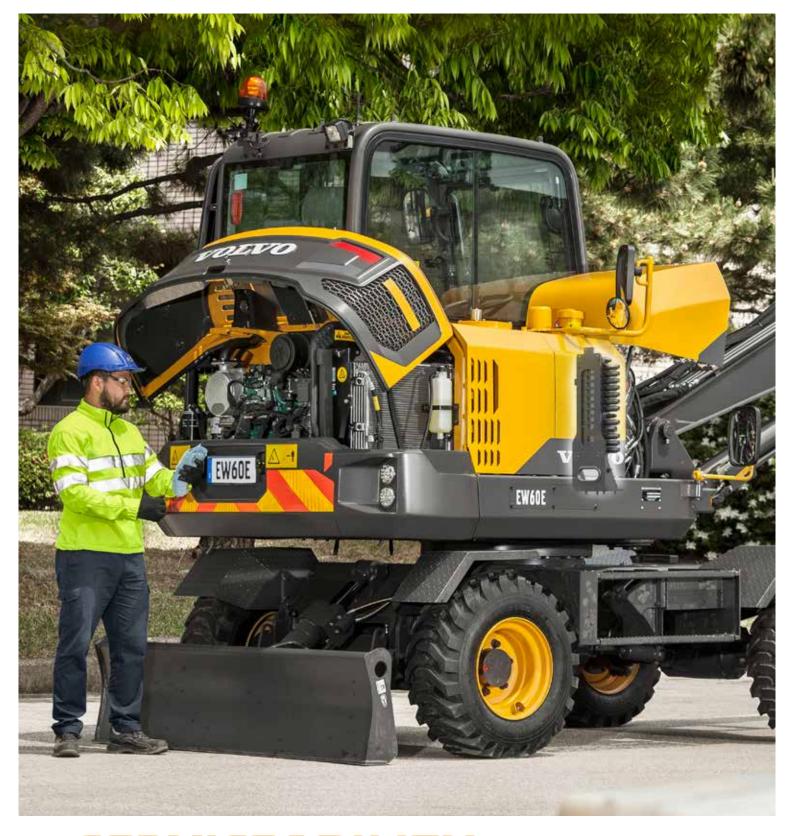
By working with your dealer and using Volvo MATRIS software you can analyze operator behavior to improve efficiency, boost productivity and reduce your fuel and maintenance costs. Volvo also offers the VCADS Pro diagnostic system, making it easy to control your machine.



Durability and reliability

The EW60E is designed with the same high quality as all Volvo machines, including robust transmission system and axles, so you can be assured it's durable and reliable on your job site. You can depend on your machine to perform and work hard for peace of mind.





SERVICEABILITY

Keep your machine up and running with a number of features combined to increase machine availability and reduce downtime. Ground level service access, including great access to the main control valve, convenient greasing points, a large tool box in the lower structure and an easy to clean cooling unit all reduce service time and maintenance costs. Check service intervals easily through the in-cab screen, which shows reminders when maintenance is needed.



ATTACHMENTS VERSATILITY

The machine's attachment can be easily changed to save time and costs. Its design, hydraulics, piping and in-cab switches combined with the Volvo attachments range allows the EW60E 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 machine to work on many job sites for a wide range of applications. The durable buckets can 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.



A compact machine with big potential

BOOSTED PERFORMANCE

Do more in less time with outstanding combined digging efforts, powerful travel force, fluid swing force and optimal lifting capacity.

Smooth operation

Smooth combined operations means you can make very accurate and precise movements.

MATRIS and VCADS Pro

Volvo MATRIS analyses operator behaviour, improving efficiency and productivity. VCADS Pro helps to control your machine.

ATTACHMENTS VERSATILITY

The Volvo attachments range allows the machine to take on a variety of tasks for a wide range of jobs and applications.

Powerful Volvo Stage V engine

For the ultimate combination of power and performance, the engine helps to push through challenging conditions.

Auto engine shutdown

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

ECO mode

Volvo's unique ECO mode improves fuel efficiency without any loss of performance in most operating conditions.



LARGER CAB

A comfortable working space results in better operation, increasing production and reducing fatigue.



Ease of control

The keypad groups all controls on the right hand side and the LCD screen displays all machine information for access to functions.

Operator convenience

Ample storage space in the cab is available for operator comfort and convenience.

SERVICEABILITY

Ground level service access, including great access to the main control valve, convenient greasing points and easy to clean cooling unit reduce service time.

CUSTOMER SUPPORT AGREEMENTS

Customer Support Agreements offer preventive maintenance, total repairs and a number of uptime services.

Wheeled performance

A top speed up to 18 mi/h (30km/h) and the four wheel drive allow you to go on and off-road for better mobility.

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 EW60E in detail

Engine

The new engine which provides excellent performance is equipped with a four-cylinder, vertical, electronic controlled high pressure fuel injectors, in-line turbo charger and water cooled diesel engine type. This engine fully meets the demands of the latest Stage V emissions regulations.

Engine	Volvo	D2.6H
Max. power at	r/min	2 400
Net (ISO9249/SAEJ1349)	kW	45.2
	hp	61.5
Gross (ISO 14396/SAE J1995)	kW	47.3
	hp	64.3
Max. torque	Nm	221.6
at engine speed	r/min	1500
No. of cylinders		4
Displacement	1	2.6
Bore	mm	87
Stroke	mm	110
Electrical system		
Voltage	V	12
Batteries	V	1 x 12
Battery capacity	Ah	100
Alternator	V/Ah	12/90
Start motor	V - kW	12 - 2.5

Undercarriage

Drive train: One big variable axial-piston motor on the two-step Power Shift gearbox gives power to front and rear axles. Framework: All-welded robust torsion box frame. Front axle: Robust excavator axle with automatic or operator controlled front axle oscillation lock

Oscillating	±°	4.8
with mudguards	±°	4.8
Single wheels	type	12-16.5 12PR
Twin wheels	type	7.5-15 14PR
Tractive force (net) - Single wheels	kN	29
Tractive force (net) - Twin wheels	kN	33
Travel speed, on road	km/h	20/30
Travel speed, off road	km/h	10
Min. turning radius - Single wheels	m	5.1
Min. turning radius - Twin wheels	m	5.37
Characteristics and authorized by		

Chosen travel speed option may be affected by local regulations. Real Max Travel speeds may be different depending on option configurations.

Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Global Warming Potential 1.430 t CO2-eq

Sound Level

Sou	nd pressure level in cab according to ISO 6	396	
L_{pA}		dB	78
	ernal sound level according to ISO 6395 an 00/14/EC	d EU Noise Directive	
Lw		dB	98

Hvdraulic system

Open-center, negative hydraulic system providing accurate controllabilty. The following working modes are included in the system:

Parking mode (P): Parking position for optimal safety.

Travel mode (T): Engine speed is controlled by travel pedal stroke and mode selection switch for low fuel consumption and noise. Work equipment are not able to move at this mode for optimal safety.

Working mode (W): Full working flow with adjustable engine rpm for

normal working and best speed utilisation.	lable eng	ine rpin ior
Main pump (Type: Variable-displacement pump)	
Max. flow	l/min	2 x 60
Pilot pump (Type: Gear pump)		
Max. flow	l/min	1 x 21.4
Swing + steering pump (Type: Low noise gear p	ump)	
Max. flow	l/min	1 x 38.9
Relief valve setting pressure		
Implement	MPa	22.5
Travel system	MPa	22.5
Slew system	MPa	18.6
Pilot system	MPa	3.13
Hydraulic Cylinders		
Boom		1
Bore x Stroke	ø x mm	110 x 707
Boom 2nd		2
Bore x Stroke	ø x mm	90 x 406
Arm		1
Bore x Stroke	ø x mm	90 x 813
Bucket		1

Bore x Stroke Brake system

Bore x Stroke

Bore x Stroke

Boom swing

Dozer blade

Service brakes: servo-hydraulically manoeuvred self-adjusting wet multidiscs with two separate brake circuits.

Parking brake: negative wet disc in gear housing, spring applied and

ø x mm

ø x mm

ø x mm

80 x 660

105 x 230

90 x 570

Digging brake: service brake with mechanical lock system. Security system: The 2-circuit travel brakes are supplied with two accumulators in the event of failure in the service brake system.

Swing system

No need for gear oil replacement: The lubricating system uses hydraulic operation oil for the reduction gear, eliminating the need for gear oil replacement. **Built-in parking brake:** Parking brake can be built into the hydraulic motor,

enabling safer parking on an incline.

Shockless function: Shockless relief is standard equipment to enable smooth traversing.

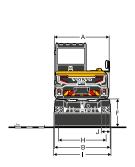
Max. slew speed	r/min	9.5
Max. slew torque	kNm	11.6

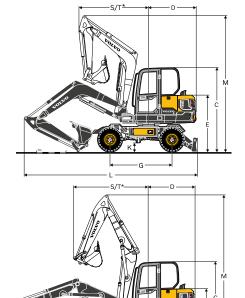
Total Machine Weights

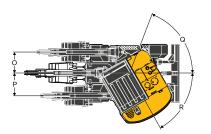
Machine with 2.9m boom, 1.6m arm, 0.142m³ bucket, standard counterweight, dozer blade, Single wheels, 75kg operator weight and without quick coupler

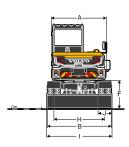
With dozer blade	kg	5 980				
Service Refill						
Fuel tank	1	105				
Hydraulic system, total	1	120				
Hydraulic tank	1	76				
Engine oil	1	11				
Engine coolant	1	10				
Transmission	1	1.7				

Specifications









DIMENSIONS	EW60E				
Boom	m	2.9 3.24			.24
Arm	m	1.6	1.9	1.6	1.9
A Overall width of upper structure	mm	1 845	1 845	1 845	1 845
B Overall width	mm	1 930	1 930	2 200	2 200
C Overall height of cab	mm	2 855	2 855	2 833	2 833
D Tail swing radius	mm	1 650	1 650	1 675	1 675
E Overall height of engine hood	mm	1 901	1 901	1 887	1 887
F Counterweight clearance	mm	960	960	940	940
G Wheel base	mm	2 100	2 100	2 100	2 100
H Tread width	mm	1 595	1 595	1 714	1 714
I Dozerblade width	mm	1930	1930	2 200	2 200
J Tire width	mm	305	305	452	452
K Min. ground clearance	mm	295	295	276	276
L Overall length	mm	5 869	5 895	6 203	6 220
M Overall heght of boom raise	mm	4 599	4 600	5 150	5 150
S Front swing radius	mm	2 352	2 368	2 423	2 571
T* Front swing radius(Max. offset)	mm	1386	1386	1 957	1 957
O Boom swing distance	mm	756	756	756	756
P Boom swing distance	mm	863	863	863	863
Q Boom swing angle	o	80		80	
R Boom swing angle	0	50		50	







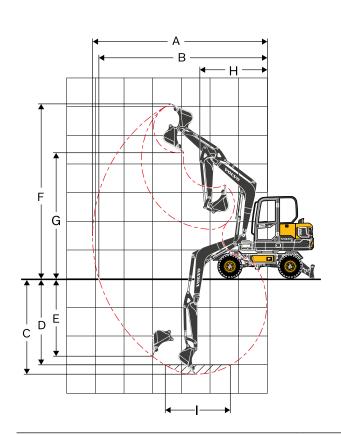
	DIMENSIONS	Во	om	Arm		
		m	2.9	3.24	1.6	1.9
Α	Length	mm	3 008	3 362	2 102	2 402
В	Height	mm	1 169	865	488	497
	Width	mm	336	532	300	300
	Weight	kg	352.4	489	206	181

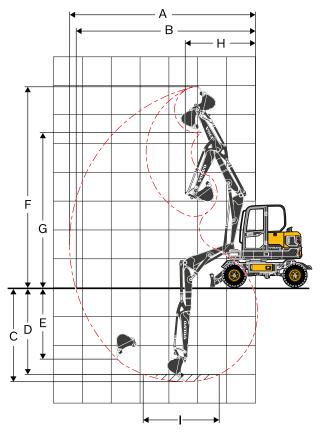
Boom * Includes cylinder	, piping and pin,	excludes boom cyl. Pin
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Arm * Includes cylinder, linkage and pin

DIMENSIONS		STD Dozer blade	Wide Dozer blade	
Α	Height	mm	465	465
	Width	mm	1930	2 200
В	Lifting height	mm	440	440
С	Digging depth	mm	140	140

Specifications





wo	WORKING RANGES								
Des	Description Unit								
Boo	m	m	:	2.9	3.	24			
Arm	1	m	1.6	1.9	1.6	1.9			
Α	Max. digging reach	mm	6 024	6 313	6 432	6 729			
В	Max. digging reach on ground	mm	5 810	6 111	6 239	6 546			
С	Max. digging depth	mm	3 292	3 592	3 304	3 603			
D	Max.digging depth (I=2 440 mm level)	mm	2 905	3 188	3 119	3 432			
Е	Max. vertical wall digging depth	mm	2 368	2 642	2 786	3 028			
F	Max. cutting height	mm	6 007	6 210	6 924	7 201			
G	Max. dumping height	mm	4 443	4 647	5 320	5 597			
Н	Min, front swing radius	mm	2 350	2 367	2 423	2 550			

DIGGING FORCES WITH DIRECT FIT BUCKET

			1.6 m Arm	1.9 m Arm
Drookout force (bushet)	SAE J1179	kN	37.7	37.7
Breakout force (bucket)	ISO 6015	kN	43.3	43.3
Tearout force (arm)	SAE J1179	kN	28.2	25.0
	ISO 6015	kN	28.8	25.4
Rotation angle, bucket		0	196	

LIFTING CAPACITY EW60E

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. 3.0 m 1.0 m 2.0 m 4.0 m 5.0 m Max. reach Along Across Lifting Point Along Across Across Along Along Across Along Along Across Across UC UC UC UC UC UC UC UC UC 5.0 m 1 520 1 470 3.4 *1520 *1 270 4.0 m 1170 980 Boom: 2.9 m 4.4 3.0 m *1 610 1 150 *1 190 4.9 810 Arm: 1.6 m kg Shoe: Single wheel CWT: 350 kg 2.0 m *2 540 1690 *1840 1100 *1530 780 *1200 kq 740 5.2 1.0 m *3 030 1580 *2 040 1 050 *1 570 *1 280 720 5.2 kg Machine: Front direction *2 110 *2 110 *3 040 1 540 *2 070 1030 $0.0 \, m$ *1 470 760 4.9 kg Dozer blade: Down *4 060 3 020 *2 650 1 540 *1800 1020 *1420 -1.0 m kg 890 4.5 -2.0 m <u>*2 450 *2 450 *1 680 1 590</u> *1180 *1180 3.5 kg $5.0 \, m$ *1520 1380 3.4 kg 4.0 m kg *1520 1100 *1 270 920 4.4 Boom: 2.9 m Arm: 1.6 m 3.0 m *1 610 1080 *1 190 760 4.9 kg Shoe: Single wheel 2.0 m kg *2 540 1580 *1840 1030 1 410 740 *1200 690 5.2 CWT: 350 kg 1950 1.0 m *3 030 1480 990 *1 280 720 680 5.2 kg Machine: Front direction 0.0 m *2 110 *2 110 *3 040 1 440 1390 kg 1920 960 710 4.9 Dozer blade: Up -1.0 m *4 060 2 770 *2 650 1 440 *1800 960 *1420 830 4.5 kg *2 450 *2 450 *1 680 1 480 -2.0 m *1 180 1 180 3.5 kg 5.0 m *1 520 1 470 kq 3.4 4.0 m *1520 1 170 *1 270 980 4.4 Boom: 2.9 m kg *1 610 1150 3.0 m *1 190 810 4.9 Arm: 1.6 m ka *2 540 1690 *1840 *1530 *1 200 Shoe: Single wheel 780 740 2.0 m 1100 5.2 kq *1 570 CWT: 350 kg *3 030 1580 *2 040 1 050 *1 280 720 5.2 1.0 m kg Machine: Rear direction *2 110 *2 110 *3 040 1 540 *2 070 1 030 *1 470 $0.0 \, \text{m}$ kg 760 4.9 Dozer blade: Down *4 060 3 020 *2 650 1540 *1 800 1020 *1420 -1.0 m kg 890 4.5 *2 450 *2 450 *1 680 1590 -2.0 m kg *1 180 *1 180 3.5 $5.0 \, \text{m}$ 1370 1380 3.4 Boom: 2.9 m 4.0 m kg 1100 1100 920 920 44 3.0 m 1080 1080 760 760 4.9 Arm: 1.6 m kg Shoe: Single wheel 2.0 m kg 1.570 1580 1030 1030 740 740 690 690 5.2 CWT: 350 kg 1.0 m 1 470 1480 990 990 720 680 680 5.2 kg 720 Machine: Rear direction 0.0 m *2 110 *2 110 1430 1440 960 720 kg 960 710 4.9 Dozer blade: Up -1.0 m *3 000 *3 000 2 740 2 770 830 kg 1430 1440 960 830 4.5 -2.0 m *2 450 *2 450 1470 1480 1 180 1180 kg 5.0 m *1 200 *1200 3.9 kq 4.0 m *1350 1180 *1 030 870 4.8 Boom: 2.9 m kg Arm: 1.9 m 3.0 m *1 470 1150 *1380 800 *970 730 5.3 kq *2 300 *1 720 1100 *1 450 *980 Shoe: Single wheel 2.0 m 1710 780 670 5.5 kq CWT: 350 kg *2 890 1580 *1970 1050 *1530 *1 040 1.0 m 660 750 5.5 kq Machine: Front direction *1 330 *1 330 *2 060 *2 060 *3 050 *2 060 *1520 1 010 740 $0.0 \, m$ kq 1520 *1 170 690 5.3 Dozer blade: Down *2 520 *2 520 *3 610 2 950 *2 790 1 510 *1900 *1340 -1.0 m 1000 780 4.8 kg *4 040 *4 040 *3 130 3 010 *2 040 *1200 -2.0 m 1540 1040 3.9 kg *1 200 5.0 m kg 1130 3.9 4.0 m *1.350 1 110 *1 030 820 48 Boom: 2.9 m 1 370 Arm: 1.9 m $3.0 \, m$ *1 470 1090 *970 690 5.3 kg 2.0 m Shoe: Single wheel *2 300 1600 *1720 1030 1350 730 *980 630 5.5 kg CWT: 350 kg 1.0 m kg *2 890 1480 1870 980 1320 710 1040 610 5.5 Machine: Front direction $0.0 \, m$ *1330 *1330 *2 060 *2 060 2 950 1420 1830 940 1300 690 *1 170 640 53 Dozer blade: Up *2 520 *2 520 *3 610 2 710 *2 790 -1.0 m 1810 930 *1340 730 4.8 kq 1 410 -2.0 m *4 040 *4 040 *3 130 2 770 *2 040 1 430 *1 200 970 3.9 kg 5.0 m kg *1 200 1200 3.9 4.0 m kg *1350 1180 *1030 870 4.8 Boom: 2.9 m 3.0 m *1 470 1150 *1380 800 *970 730 5.3 kq Arm: 1.9 m *1 450 2.0 m *2 300 1710 *1720 1100 780 *980 670 5.5 Shoe: Single wheel kg CWT: 350 kg 1.0 m *2 890 1580 *1970 1 050 *1530 750 *1 040 660 5.5 kq Machine: Rear direction *2 060 *1 520 *1 170 0.0 m *1330 *1330 *2060 *2060 *3050 1 010 1520 690 5.3 kq 740 Dozer blade: Down -1.0 m *2 520 *2 520 *3 610 2 950 *2 790 1 510 *1900 1000 *1340 780 4.8 ka *4 040 *4 040 *3 130 3 010 *2 040 1 540 *1200 -2.0 m 1040 3.9 kq *1200 1130 3.9 5.0 m kg *1 030 *1350 4.0 m 1 110 820 4.8 Boom: 2.9 m kg Arm: 1.9 m 3.0 m kg *1470 1090 1 370 750 *970 690 5.3 *980 Shoe: Single wheel 2.0 m *2 300 1600 *1720 1030 1350 730 630 55 kg CWT: 350 kg 1.0 m *2 890 1480 1870 980 1320 710 *1040 610 5.5 Machine: Rear direction 0.0 m *1330 *1330 *2060 *2060 2950 1420 1830 940 1300 690 *1 170 640 5.3 kg *2 520 *2 520 *3 610 2 710 *2 790 1 410 Dozerblade: Up -1.0 m 1 810 930 *1340 730 4.8 -2.0 m *4 040 *4 040 *3 130 2 770 *2 040 1430 *1 200 3.9 kg 970

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.

Specifications

LIFTING CAPACITY EW60E

Lifting capacity including bucket.

	<u> </u>	Doi:-+) m	2.0 m Along Across) m	4.0 m) m	Max. rea		_
	Lifting	Point	UC	Across	UC	UC	UC	Across	Along UC	Across UC	UC	Across UC	Along UC	Across UC	m
	6.0 m	kg	00	00	00	00	00	00	00	00	00	00	*2 650		2.4
Boom: 3.24 m Arm: 1.6 m Shoe: Twin wheel CWT: 500 kg Machine: Front direction Dozer blade: Down	5.0 m	kg					*2 000	*2 000	*1 770	1500			*1560	1440	4.1
	4.0 m	kg					*2 040	*2 040	*1 690	1520			*1 310	1 070	4.9
	3.0 m	kg					*2 400	2 330	*1 800	1480	*1 480	1 040	*1 210	910	5.4
	2.0 m	kg					*2 860	2 150	*1950	1 410	*1 510	1 010	*1180	840	5.6
	1.0 m	kg								1340	*1 480	980	*1 160	830	5.6
	0.0 m	kg							*1 850	1 310	*1 310	960	*1 020	870	5.4
	-1.0 m	kg			*2 020	*2 020		*1 920		1 310			*780	*780	4.9
	-2.0 m	kg					*930	*930	*520	*520			*320 *2 650	*320	4.:
Boom: 3.24 m Arm: 1.6 m Shoe: Twin wheel CWT: 500 kg Machine: Front direction Dozer blade: Up	6.0 m 5.0 m	kg					*2 000	*0 000	*1 770	1320			*1 560	*2 650 1 260	2 4.
	4.0 m	kg kg							*1690	1340			*1 310	930	4.
	3.0 m	kg							*1800	1290	*1480	910	*1 210	800	5.
	2.0 m	kg						1850		1230	*1 510	880	*1 180	740	5.
	1.0 m	kg					*2 600		*2 000	1160	*1480	850	*1160	720	5.
	0.0 m	kg					*2 560	1700	*1 850	1130	*1 310	840	*1 020	760	5.
	-1.0 m	kg			*2 020	*2 020	*1 920	1 710	*1 440	1 130			*780	*780	4.
	-2.0 m	kg					*930	*930	*520	*520			*320	*320	4.
Boom: 3.24 m Arm: 1.6 m Shoe: Twin wheel CWT: 500 kg Machine: Rear direction Dozer blade: Down	6.0 m	kg											*2 650		2.
	5.0 m	kg						*2 000		1 510			*1 560	1 450	4.
	4.0 m	kg							*1 690	1530	44 45 -	4.0.5	*1 310	1 070	4.
	3.0 m	kg					*2 400		*1800	1 480	*1 480	1040	*1 210	920	5.
	2.0 m	kg							*1 950	1 410	*1 510	1020	*1 180	850	5.
	1.0 m 0.0 m	kg							*2 000 *1 850	1350	*1 480 *1 310	990 970	*1 160 *1 020	840 880	5. 5.
	-1.0 m	kg			*2 020	*0.000	*1 920			1320	^1310	970	*780	*780	5. 4.
	-1.0 m	kg kg			~2 020	~2 020	*930	*930	*520	*520			*320	*320	4.
	6.0 m	kg					930	930	320	320			*2 650	*2 650	2.
Boom: 3.24 m Arm: 1.6 m Shoe: Twin wheel CWT: 500 kg Machine: Rear direction Dozer blade: Up	5.0 m	kg					*2 000	*2 000	*1 770	1320			*1560	1260	4.
	4.0 m	kg						*2 040		1340			*1 310	930	4.
	3.0 m	kg							*1800		*1480	910	*1 210	800	5.
	2.0 m	kg						1850		1230	*1 510	880	*1 180	740	5.
	1.0 m	kg							*2 000		*1 480	850	*1 160	720	5.
	0.0 m	kg					*2 560	1700	*1 850	1 130	*1 310	840	*1 020	760	5.
	-1.0 m	kg			*2 020	*2 020	*1920	1 710	*1 440	1 130			*780	*780	4.
	-2.0 m	kg					*930	*930	*520	*520			*320	*320	4.
Boom: 3.24 m Arm: 1.9 m Shoe: Twin wheel CWT: 500 kg Machine: Front direction Dozer blade: Down	6.0 m	kg					*2 170	*2 170					*1 780	*1780	3.
	5.0 m	kg								1540			*1 240	1230	4.
	4.0 m	kg					100010	100010	*1580		*1 410	1050	*1 060	950	5.
	3.0 m	kg						*2 010		1490	*1 420	1040	*990	830	5.
	2.0 m	kg					*2 720 *2 940		*1 880	1 410	*1 470	1 010	*980	770	5.
	1.0 m 0.0 m	kg					*2 700		*1 980 *1 890	1340	*1 480 *1 370	970 950	*1 000 *950	760 790	5. 5.
	-1.0 m	kg kg			*2 220	*0 300	*2 150	1960	*1 570	1280	*1040	950	*770	*770	5.3
	-2.0 m	kg					*1 270		*890	*890	1040	330	*420	*420	4.
	6.0 m	kg			1230	1230	*2 170	2 100	030	030			*1 780	*1 780	3.:
	5.0 m	kg					2110	2 100	*1 600	1350			*1 240	1080	4.
Boom: 3.24 m	4.0 m	kg							*1 580		*1 410	920	*1060	830	5.
Arm: 1.9 m	3.0 m	kg					*2 010	*2 010			*1420	910	*990	720	5.
Shoe: Twin wheel	2.0 m	kg								1230	*1 470	880	*980	670	5.
CWT: 500 kg Machine: Front direction Dozer blade: Up	1.0 m	kg							*1 980	1160	*1 480	840	*1 000	660	5.
	0.0 m	kg							*1 890	1120	*1 370	820	*950	690	5.
	-1.0 m	kg					*2 150				*1040	820	*770	*770	5.
	-2.0 m	kg			*1 290	*1 290	*1 270		*890	*890			*420	*420	4.
Boom: 3.24 m Arm: 1.9 m Shoe: Twin wheel CWT: 500 kg Machine: Rear direction Dozer blade: Down	6.0 m	kg					*2 170	*2 170					*1 780		3.
	5.0 m	kg							*1 600		di d		*1 240	1240	4.
	4.0 m	kg					+0.0:-	+0.0::	*1580		*1 410	1060	*1 060	960	5.
	3.0 m	kg						*2 010		1500	*1 420	1 0 5 0	*990	830	5.
	2.0 m	kg							*1 880 *1 980		*1 470	1 010	*980	780	5.
	1.0 m 0.0 m	kg kg							*1890	1350	*1 480	980 950	*1 000 *950	770 800	5. 5.
	-1.0 m	kg ka			*9 3 9∩	*9 39N	*2 150		*1 570	1290	*1040	950	*770	*770	5. 5.
	-1.0 m	kg kg					*1 270		*890	*890	1 040	900	*420	*420	4.
	6.0 m	kg			1230	1230		2 100	030	030			*1 780	*1 780	3.
Boom: 3.24 m Arm: 1.9 m Shoe: Twin wheel CWT: 500 kg Machine: Rear direction Dozer blade: Up	5.0 m	kg					2110	2 100	*1600	1350			*1 240		4.
	4.0 m	kg							*1 580		*1 410	920	*1 060	830	5.
	3.0 m	kg					*2 010	*2 010	*1 710			910	*990	720	5.
	2.0 m	kg							*1880		*1 470	880	*980	670	5.
	1.0 m	kg							*1 980		*1480	840	*1 000	660	5.
	0.0 m	kg							*1890	1 120	*1 370	820	*950	690	5.
	-1.0 m	kg			*2 320	*2 320	*2 150				*1 040	820	*770	*770	5.
		9													_

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

Equipment

STANDARD EQUIPMENT Engine Low-emission Volvo Stage V diesel engine Standard cooling system Two-stage air filter Fuel filter and water separator Alternator, 90 A Electric / Electronic control system

Safe engine start functio Automatic idling system Halogen working lights;

Battery, 12 V / 100 Ah
Start motor, 12 V / 2.5 kW
Monitor and keypad
Master electrical disconnect switch

Travel alarm Frame Rearview mirror Standard counterweight Under cover

Fender Dozer blade

Undercarriage Single wheels: 12.00-16.5 12PR

Hydraulic system
Automatic two speed travel motors

Cylinder cushioning
Hydraulic fluid mineral 46
Travel motor (30km/h)

Cab and interior Fabric operator seat with suspension Seat belt, 2 inch retractable

Control joystick Radio with MP3/AUX Master key Hour meter (non analog)

Digging equipment
Boom: 2.9m, Arm: 1.6m
Offset boom

Linkage

Service
Tool kit-daily maintenance

LED Light

OPTIONAL EQUIPMENT

Engine
Water separator (With heater) Engine auto shut down

OPTIONAL EQUIPMENT

Electric / Electronic control system
Fuel filler pump: 35 l/min, with automatic shut-off

Halogen extra working lights; Cab-mounted 1 (Rear)

Boom-mounted 1(RH) Caretrack

Rotating warning beacon Electric pilot control change

Rearview Camera Electric dozer blade switch on joystick

LED Light Frame

Wide fender Wide dozer blade

Undercarriage
Twin wheels: 7.50-15.0 14PR

Hydraulic system

Hydraulic piping: Breaker & shear (X1 Double Acting) - Max. Flow: 60 l/min - Max. Pressure: 22.5 Mpa

Slope & rotator (X3) - Max. Flow: 22 1/min - Max. Pressure: 14.7 Mpa

Thumb (with three way valve)

Grapple Quick coupler

Quick coupler
Hose rupture valve for boom, arm
Overload warning device
Hydraulic oil, ISO VG 32, 68
Hydraulic oil, biodegradable 46
Hydraulic oil, longlife oil 32, 46, 68
Travel motor (20km/h)

Cab and interior
Heater and air-conditioner

Fabric operator seat with suspension with heater PVC operator seat with suspension

Control joystick, X3 proportional Radio with MP3/AUX/Bluetooth

Mechanical hour meter
Cab mounted FOG (Falling Object Guard)

FOPS (Falling Object Protection Structure)
Sun screen, front/roof

Digging equipment

Fixed boom 2pcs boom: 3.24m

Long arm: 1.9m

Service Tool kit, full scale Spare parts

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Electric dozer blade switch on joystick



Rear view camera



Twin tires



Two-piece boom



Fixed boom



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

