



Volvo Construction Equipment

EW180E

Volvo Excavators 18.7-20.8 t 129 kW



A vision of versatility

Made in Germany, the Volvo EW180E wheeled excavator is an efficient and versatile machine that can make your life easier on the job site as well as increase productivity. Take all your tools with you in one trip and avoid any unnecessary travelling.

Work modes

The E-Series Wheeled Excavators feature four work modes combined with three travel speeds. In total 12 different combinations to be chosen to provide optimum performance and improved fuel efficiency.



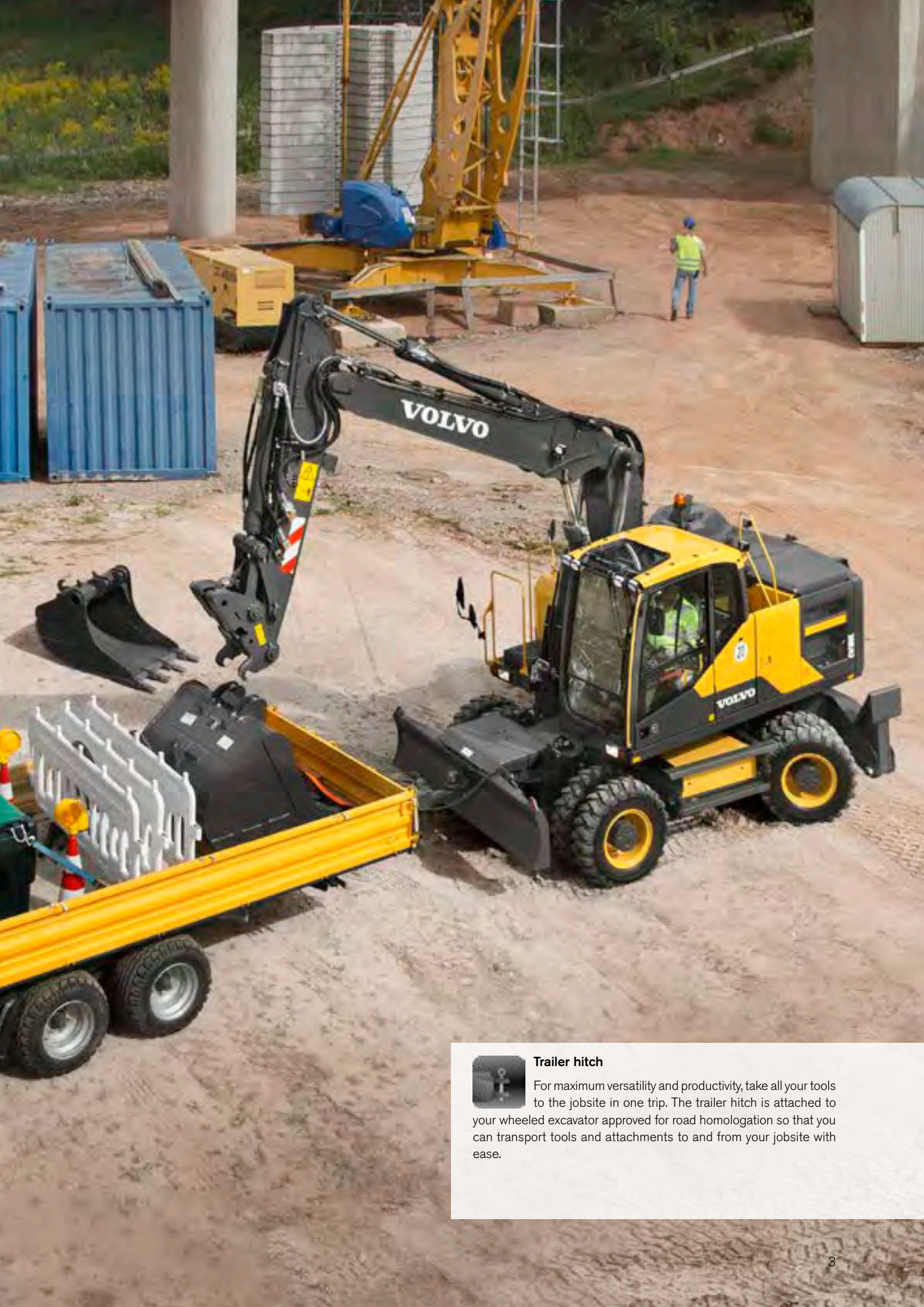
Breaker/shear (X1) and tilt/rotate (X3) management

Increase your wheeled excavator versatility with optional hydraulics functions X1 breaker/shear and X3 tilt/rotate. X1 function utilizes the main system hydraulic flow to operate attachments requiring one or two way flow whereas X3 function provides an appropriate two way flow for tilting or rotating attachments.



Drawer type tool box

This newly developed and unique concept has been tested to carry up to 120kg. Due to the smooth sliding action, it's much easier for the operator to pull out chains using the machine or other equipment manually without having to bend over or strain their body. Because it acts as a slide-out drawer, items are more visible so you can check and adjust your toolbox content much easier. A mechanical stopper has been added to prevent it from sliding out of the machine and the box dividers can be adjusted into five different positions.



Trailer hitch

For maximum versatility and productivity, take all your tools to the jobsite in one trip. The trailer hitch is attached to your wheeled excavator approved for road homologation so that you can transport tools and attachments to and from your jobsite with ease.



Cab

Volvo's industry-leading cab provides excellent visibility that is crucial for operator comfort, control and safety on your jobsite. The spacious cab, with ample storage, leg room, easy to access controls and an optional luxury seat increases operator productivity and reduces fatigue. The cab's view to the right has also been made clearer.

Operate in style

To ensure comfort and productivity, operating the EW180E has been designed with easy operation in mind. The cab, HMI and luxuries like climate control all contribute to a happier and more comfortable operator for increased uptime.

HMI

All machine interfaces – including the joysticks, keypad and LCD monitor – are ergonomically positioned and designed for optimum control and efficiency. For operator convenience and ease of use, the number of switches has been significantly reduced.

ROPS

The Volvo cab features Roll Over Protective Structure (ROPS) safety certification, which provides more operator safety and peace-of-mind when operating in tough environments. It also provides greater ergonomic comfort leading to reduced fatigue and increased productivity.



In cab fluid check

As soon as you start up your machine it checks all fluid levels on board, including engine oil and hydraulic fluid. The machine's electronic display will tell the operator if any fluids need attention, keeping the machine running at its best and free from any unscheduled downtime.



Fuel filler pump

The fuel filler electric pump can deliver 50 liters of fuel per minute for easy and clean filling of the fuel tank from ground level. It is conveniently located next to the fuel tank.

Control with confidence

It's not just being comfortable in the machine that is important – confidence while operating is also a key element in ensuring productivity. The EW180E wheeled excavator is equipped with the latest features to make an operator feel safe and in control of the machine at all times.

New hydraulic system

The improved hydraulic system allows maximum utilization of available engine power regardless of the application, increasing controllability and responsiveness of operations. This results in higher operator efficiency and safer controlled movement.



Tractive force

Built to last, Volvo's durable wheeled excavator undercarriage is built for tough work. Travelling on inclines or difficult terrain is easy thanks to increased tractive force.

Volvo Smart View

Three cameras attached to different corners of the machine – the front, side and back – create a bird's eye view of the machine operating from above. The cameras also provide individual views of the front, side and back of the machine so you can see all angles and ensure safe rotation. This intelligent and industry leading technology offers a 360o view of real footage happening in real time.





Boom Suspension System

The Boom Suspension System improves operator comfort and allows for faster travel over bumpy roads or rough terrain. It provides a dampening effect thanks to a hydraulic circuit complete with gas pressure dampers. The system ensures the operator has more control while travelling at high speeds.



Stretched two-piece boom

The newly developed stretched two-piece boom enhances working ability and increases the total reach by approximately half a meter.

Flex your features

The EW180E wheeled excavator can be tailored to your precise specifications to suit any jobsite. With a whole range of flexible configurations you can change attachments easily and add on useful features.

Undercarriage – with or without trailer hook

Volvo's built to last undercarriage is available with a trailer hook for added convenience. Volvo offers the machine with a hitch so you can pull trailers up to eight tonnes with dry run brakes and 3 tonnes without brakes.



Tyres

Choose from a wide range of high quality tyres to best suit your jobsite, including single and twin tyres. Depending on ground conditions, Volvo offers 12 different configurations of tyres from eight different suppliers.

Arm/grapple system

Expand your working scope with a wide range of boom and arm options. The different arm lengths can be chosen according to jobsite requirements and market legislation. The grapple manoeuvre connection allows the exchange of tools. Instead of going to the cylinder, the oil is redirected directly to the attachment which enables the operator to steer the attachment with the right hand joystick.



Fuelling reliable and efficient operations

For maximum efficiency and reliability, the EW180E features Volvo's most powerful Stage IV engine. The machine has also been designed and rigorously tested to reduce fuel consumption and increase your productivity.

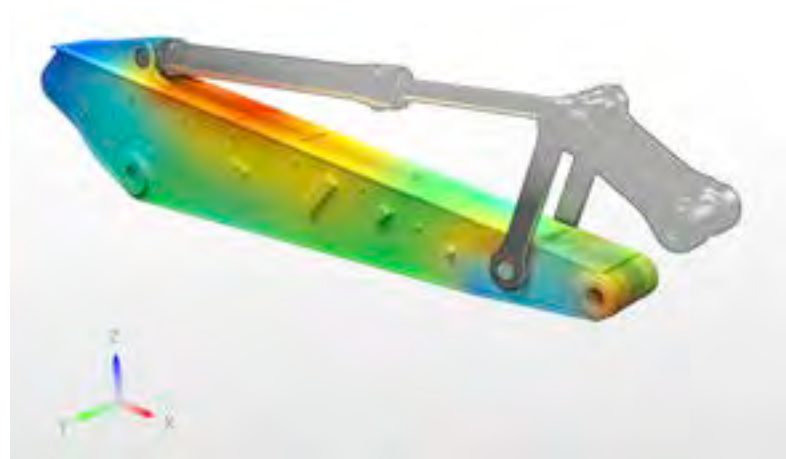
ECO mode

For increased fuel efficiency ECO mode turns on automatically, which reduces your fuel consumption while maintaining productivity.



Design and testing

The Volvo EW180E wheeled excavator has been designed and tested to ensure the highest standard of reliability and efficiency. Components, systems and technology work together to increase machine life and productivity.



Robust axles

The robust excavator axles with automatic or operator controlled front axle oscillation are highly durable and made to last for increased wear and component life.



Ground clearance

The undercarriage protects itself with high ground clearance and is strong enough to endure hard ground and tough surface conditions.



Engine

Volvo's wheeled excavators with Stage IV engines are powerful and efficient, designed to reduce fuel consumption and increase your productivity. With advanced technology, save your business time and cost.



Service Access

Grouped filters and accessible radiators are quick to access from ground level via large compartment doors, increasing safety. Fast and easy access for cleaning and maintenance means regular checks are more likely to be done, increasing the machine's life.

A sparkling service

To reduce your downtime, Volvo has specifically designed this machine to have the most efficient service access possible. Grouping servicing points together saves time and allows for quicker maintenance checks.

Pivoting AC condenser

The pivoting AC condenser is fixed with two rubber bands so it's easily swung open without tools in order to clean the mesh and radiators behind it. This gives you better access to the cooling package and increases component life.



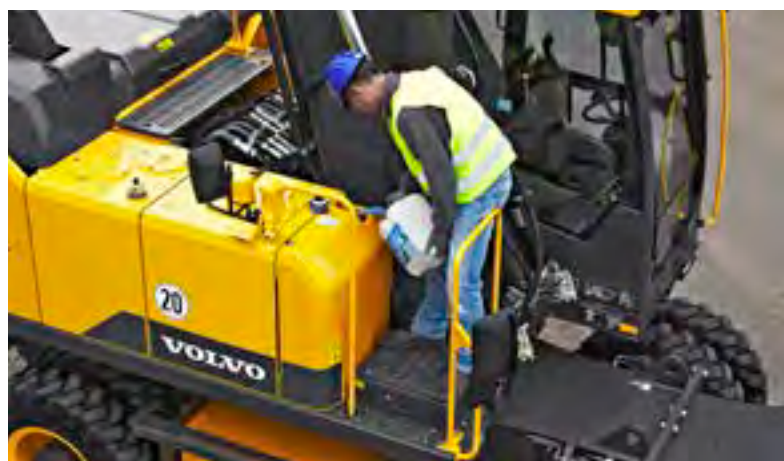
Grouped filters

Grouped filters in the pump compartment are accessible via one door at ground level for faster servicing and cleaning.



Grouped greasing points

Conveniently located greasing points are grouped together for simplicity and ease of access. Greasing is needed at 50 hour intervals and at 250 hours for the slew ring. Quicker maintenance work leads to more uptime.



Easy access to AdBlue®

With easy and quick access, routinely top up your AdBlue fluid to reduce emissions.

® = registered trademark of the Verband der Automobilindustrie e.V. (VDA)

Configure your perfect excavator



Trailer hitch

For maximum versatility and productivity, take all your tools to the jobsite in one trip.



Stretched two-piece boom

The newly developed stretched two-piece boom enhances working ability and increases the total reach by approximately half a meter.

New hydraulics/technology system

The improved hydraulics system allows maximum utilization of available engine power regardless of the application, increasing controllability and responsiveness of operation.

Auto greasing

This optional feature supplies the correct amount of lubrication to all greasing points on a timed basis for reduced costs.

Flexible configurations

Depending on your market and application, make the EW180E wheeled excavator perfect for your jobsite with a range of flexible configurations.



Made in Germany

Designed, made and tested in Germany, the EW180E wheeled excavator is perfect for use anywhere in the world.

Volvo Smart View

Three cameras attached to different corners of the machine – the front, side and back – create a bird's eye view of the machine operating from above.

Rear and side view camera

The rear and side view camera are fitted to the machine so that the operator can see different angles around the machine on a display monitor.



Cab

Volvo's industry-leading cab provides excellent visibility that is crucial for operator comfort, control and safety on your jobsite.



Service Access

A number of maintenance features are easily accessible for fast serviceability and reduced downtime.



Engine

Volvo's wheeled excavators with Stage IV engines are powerful and fuel efficient.

ECO mode

For increased fuel efficiency ECO mode turns on automatically, which reduces your fuel consumption while maintaining productivity.

Easy access to AdBlue

With easy and quick access, routinely top up your AdBlue fluid to reduce emissions.



Boom suspension system

The Boom Suspension System improves operator comfort and allows for faster travel over bumpy roads or rough terrain.





Matched attachments

Volvo's durable attachments have been purpose-built to work in perfect harmony with Volvo machines, forming one solid, reliable unit. With functions and properties ideally matched, Volvo attachments are an integrated part of the excavator for which they're intended.

Mix and match for a superior fit

Maximize your productivity and profitability with Volvo's EW180E wheeled excavator and a range of durable attachments. Increase your versatility, access more applications and perform a variety of tasks – all while experiencing faster cycle times and excellent control.

Buckets – GP/HD/XD

Volvo's buckets are the perfect tool for digging and re-handling in all conditions from soft, medium and hard materials. Heavy-duty buckets are intended for productive digging in compact materials. All provide maximum productivity and long life and feature original Volvo wear components.



Quick couplers

Volvo offers a full range of quick couplers, from its dedicated Volvo S-type coupler to the Volvo symmetrical and Steelwrist® Quick Couplers. The Steelwrist® Quick couplers come with Front Pin Lock Technology and all of our quick couplers are built to perfectly match Volvo Machines and Volvo Attachments.

Steelwrist® is a registered trademark of Steelwrist AB

HB18 Hydraulic Breaker

The HB18 hydraulic breaker is optimized to the specific weights of Volvo machines and tailored to Volvo quick couplers for swift, safe and simple attachment changes. The HB18 is available with a full assortment of tools.



Tilt Rotator

Volvo's tilt rotator can be ordered factory installed with multifunctional joysticks and color display that's fully integrated into the machine's system. The new series of Volvo XD excavator buckets are perfectly matched to the factory installed tilt rotator.

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.



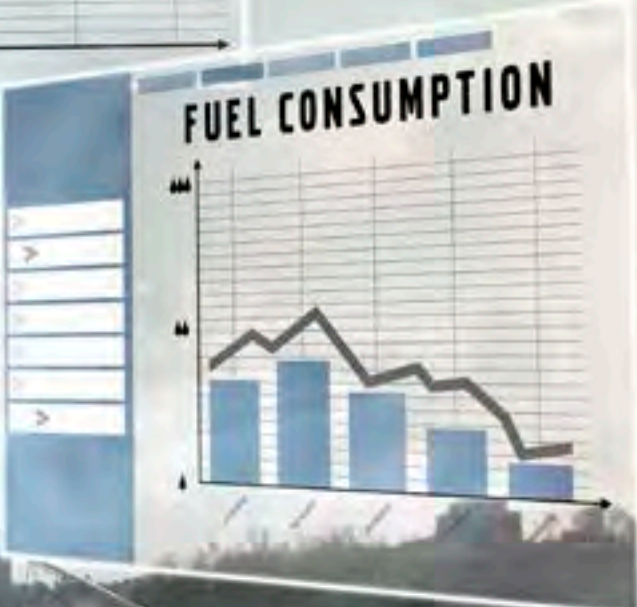
Service Network

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.



SERVICE PLAN

DAY01	DAY02	DAY03	DAY04	DAY05	DAY06	DAY07
						✓
			✓	✓		
	✓					✓
		✓				✓
✓						
		✓				



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 EW180E in detail

Engine

Volvo Construction Equipment is ready to comply with the tough new EU Stage IV legislation for off-road vehicles with the introduction of a cascade of innovations in its new generation engines with Volvo Advanced combustion technology (V-ACT).

Volvo machines are equipped with in-line turbo charged diesel engine with high pressure unit injector system. The engine features a externally cooled exhaust gas re-circulation (E-EGR), a Diesel Particulate Filter (DPF) and a Selective Catalytic Reduction(SCR) with AdBlue.

Engine	VOLVO D6J	
Max power at	r/s / r/min	30 / 1 800
Net (ISO9249/SAEJ1349)	kW / hp	126 / 171
Gross (ISO 14396/SAE J1995)	kW / hp	129 / 175
Max. torque at	Nm / r/min	850 / 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.

Voltage	V	24
Batteries	V	2 x 12
Battery capacity	Ah	2 x 140
Alternator	V / A	28 / 120

Undercarriage

Drive train: A variable axle piston motor in combination with a power shift gearbox supplies 3 speeds. The gearbox distributes than the energy via propeller shafts to the axles.

Framework: All-welded robust torsion box frame.

Wheels: Alternative single and twin wheels available.

Front axle: Robust excavator axle with automatic or operator controlled front axle oscillation lock.

Undercarriage available with all possible combinations of bolted outriggers and / or parallel blade.

Oscillating	°	± 10
Oscillating with mudguards	°	± 7
Twin wheels	type	10.00-20
Max. tractive force (net)	kN	104
Travel speed, on road	km/h	20.0 / 30.0 / 35.0
Travel speed, off road	km/h	5.0 / 7.4 / 8.9
Travel speed, creep	km/h	3.7
Min. turning radius	m	7.6

Cab

New design Volvo Care Cab with operator protective structure, large and roomy interior. One way travel pedal with rocker switch control (F-N-R) on the right joystick. One-touch release for digging brake pedal.

Audio system with remote control and Bluetooth system for hands free phoning. Independently adjustable joystick consoles.

Excellent all-round visibility provided by maximized cab class, transparent roof hatch, 2-piece sliding door window and long stroke, easy to adjust and narrow steering column. The liftable front windshield can easily be stored in the inside roof space and clipped in position. The removable lower front glass can be stored in the side door pocket. Interior lighting consists of one reading light and one light with timer.

The pressurized and filtered cab air is supplied by a 14-vent climate-control providing fast defrosting and high cooling and heating performance. Viscous/spring mounted suspension cushions protect the operator from vibrations.

Deluxe air-suspension seat with adjustable seat suspension, height, tilt, recline and forward-backward settings.(option)

Adjustable, easy to read 8.3" LCD color monitor provides real time information of machine functions and important diagnostic information and is switchable to rear view camera monitor(standard) / side view camera (option) .A new multi function button on left hand joystick with programmable function to improve the operator comfort.

Sound Level

Sound level in cab according to ISO 6396	
LpA dB(A)	70
External sound level according to ISO 6395 and EU Noise Directive 2000/14/EC	
LwA dB(A)	101

Hydraulic system

Closed-centre load sensing hydraulic system with pressure compensated valves. Load independence of movements. Flow sharing feature, combined with a high flow pump (power regulation). The system gives superior manoeuvrability and fast movements, for optimal working result and economy

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 for low fuel consumption and noise.

Working mode (W): Full working flow with adjustable engine rpm for normal working and best speed utilisation.

Customer mode (C): Operator can set proper oil flow in accordance with job conditions.

Power Boost: All digging and lifting forces are increased.

Hydraulic pumps

Main pump

Type	Low noise axial piston pump
Max. flow	l/min 400

Servo pump

Type	Low noise gear pump
Max. flow	l/min 15.2

Brake + steering pump

Type	Low noise gear pump
Max. flow	l/min 36.1

Relief valve setting

Implement	MPa	34/37.5
Travel system	MPa	37.5
Pilot System	MPa	3.5

Brakes

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 pressure released.

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.

Total machine weights

Machine with 5.2 m mono boom, 2.45 m dipper arm, quickfit S1, 590 kg / 890 l bucket.		
Dozer blade front and outriggers rear	kg	19 900
Dozer blade rear excl. outriggers	kg	18 700
Front and rear outriggers	kg	20 220
Machine with 5.47 m 2-piece boom, 2.45 m dipper arm, quickfit S1, 590 kg / 890 l bucket.		
Dozer blade front and outriggers rear	kg	20 500
Dozer blade rear excl. outriggers	kg	19 300
Front and rear outriggers	kg	20 820

Service refill capacities

Fuel tank	l	295
AdBlue tank	l	25
Hydraulic system, total	l	300
Hydraulic tank	l	165
Engine oil	l	25
Engine coolant	l	33
Transmission	l	2.5
Axle differential: (Axle housing)		
Front axle	l	9.5
Rear axle	l	12.5
Final drive, wet disc type	l	4 x 2.5

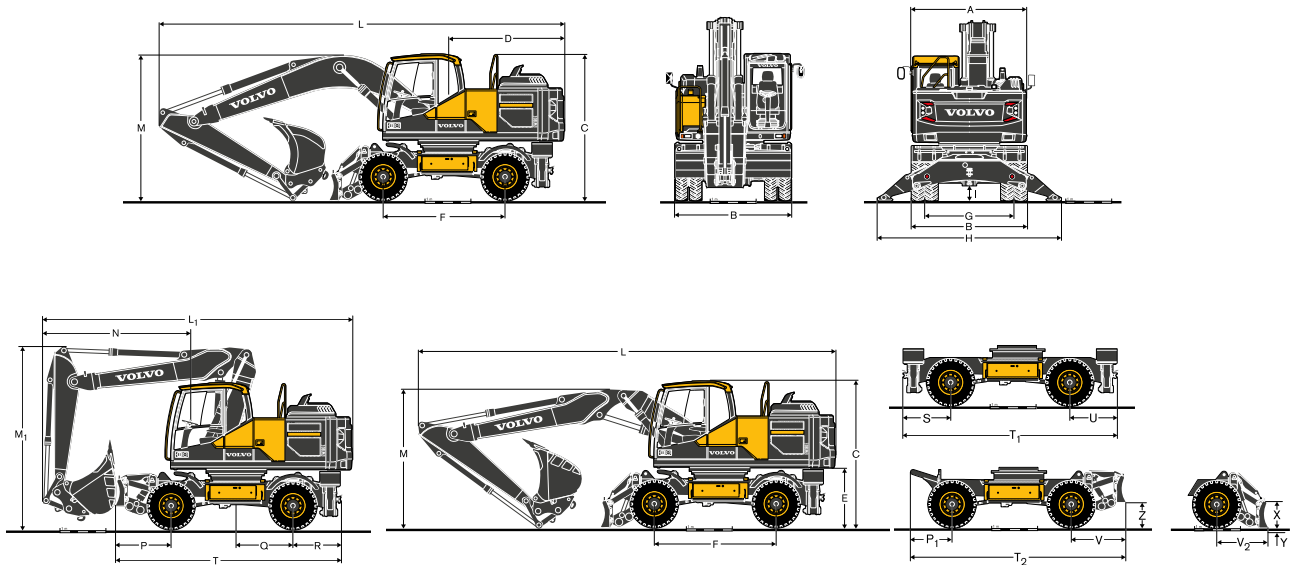
Slew system

The superstructure is slewed by the means of a axial motor with reduction gear box.

Automatic slew holding bake and anti-rebound valve are standard.

Max slew speed	rpm	9
Max. slew torque	kNm	65.6

Dimensions



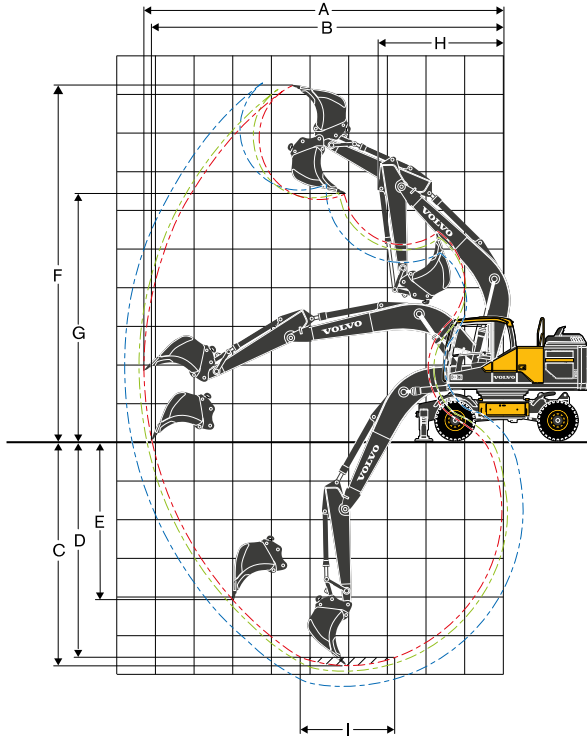
Description	Unit	Mono boom	
		5.2	2-piece boom 5.47
A Overall width of superstructure	mm	2 520	2 520
B Overall width	mm	2 540 / 2 750	2 540 / 2 750
C Overall height of cab	mm	3 190	3 190
D Tail slew radius	mm	2 550	2 550
E Counterweight clearance	mm	1 280	1 280
F Wheel base	mm	2 650	2 650
G Tread	mm	1 940	1 940
H Outrigger width (front or rear)	mm	4 000	4 000
I Min. ground clearance	mm	333	333

Description	Unit	Mono boom				2-piece boom			
		5.2				5.47			
		Arm		Grab Arm		Arm		Grab Arm	
	m	2.45	2.6	3.0	3.2*	2.45	2.6	3.0	3.2*
L Overall length	mm	8 880	8 870	8 900	8 830	8 990	8 990	9 020	8 860*
M Overall height of boom	mm	3 220	3 180	3 480	3 580	3 220	3 200	3 340	3 530*
L ₁ Overall length	mm	-	-	-	-	6 870	6 630**	6 670**	6 720*
M ₁ Overall height of boom	mm	-	-	-	-	3 970	3 940**	3 940**	3 950*
N Front overhang	mm	-	-	-	-	3 280	3 040**	3 080**	3 130*

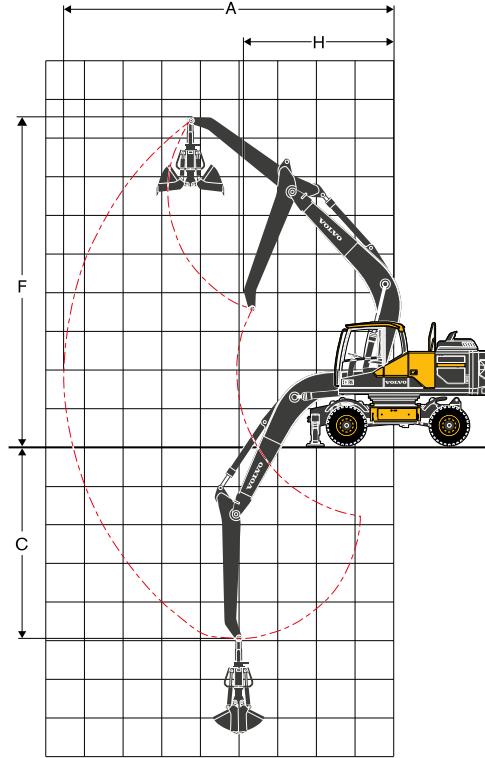
*grab arm, without clamshell bucket | ** without bucket

Description	Unit	Undercarriage dimensions
P	mm	1 210
P ₁	mm	780
Q	mm	1 220
R/U	mm	1 040
S	mm	1 130
T	mm	4 900
T ₁	mm	4 820
T ₂	mm	4 560
V	mm	1 130
V ₂	mm	960
X	mm	630
Y	mm	155
Z	mm	470

Specifications



Mono boom 5.2m and dipper arm 2.45m, 2.6m, 3.0m



Mono boom 5.2m and grab arm 3.2m

WORKING RANGES WITH DIRECT FIT BUCKET

	Unit	5.2 m boom			
		Arm 2.45	Arm 2.6	3	Grab arm 3.2
A Max. digging reach	mm	9 400	9 530	10 000	8 420
B Max. digging reach on ground	mm	9 200	9 350	9 735	-
C Max. digging depth	mm	5 540	5 690	6 100	4 680
D Max. digging depth (l=2.44m level)	mm	5 355	5 510	5 930	-
E Max. vertical wall digging depth	mm	4 700	4 855	5 235	-
F Max. cutting height	mm	9 720	9 820	10 070	8 500
G Max. dumping height	mm	6 530	6 630	6 880	-
H Min. front slew radius	mm	2 990	3 010	3 050	3 710

DIGGING FORCES WITH DIRECT FIT BUCKET

Breakout force (bucket)	ISO	kN	136*	136*	136*	-
Tearout force (arm)	ISO	kN	106*	102*	92*	-

* with powerboost

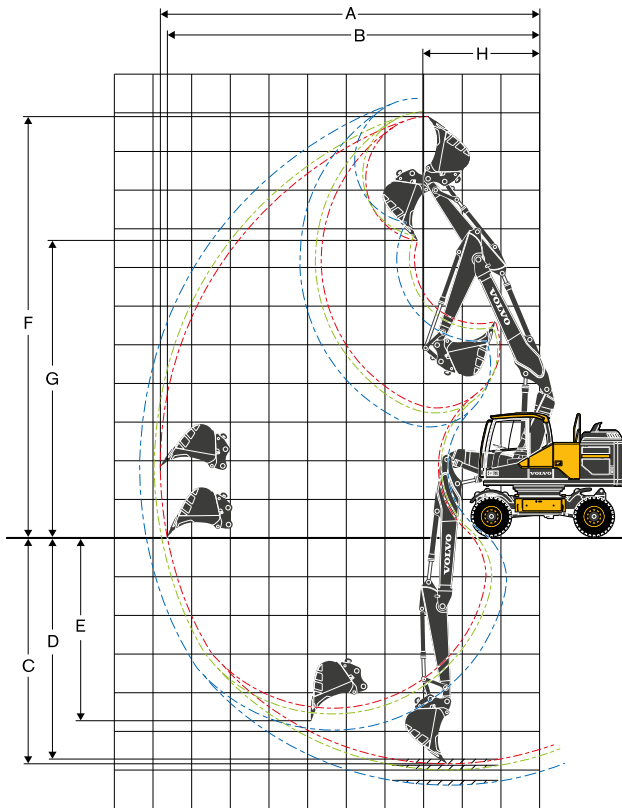
Max. recommended sizes for direct fit buckets

GP-Bucket (1.8t/m ³)	l	1 000	1 000	870	-
HD-Bucket (2.1t/m ³)	l	700	700	700	-

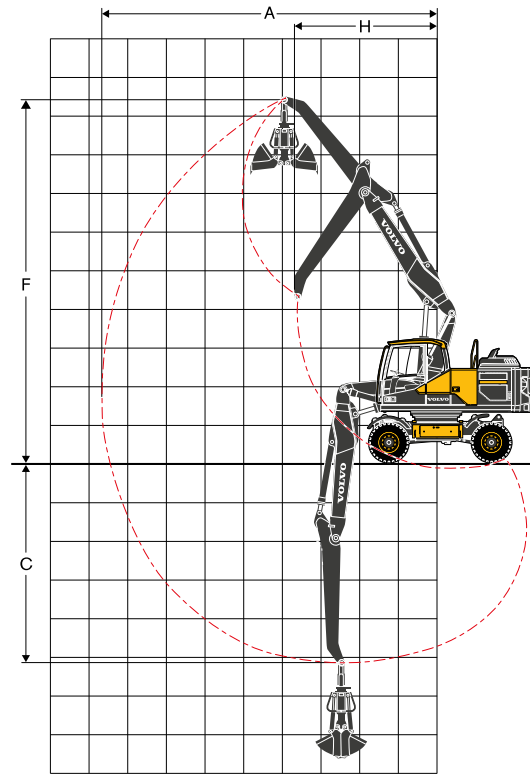
Max. recommended sizes for quick fit buckets

S1/S70 QF GP-Bucket (1.8 t/m ³)	l	870	870	780	-
S1/S70 QF HD-Bucket (2.1 t/m ³)	l	700	700	700	-
UQF GP-Bucket (1.8 t/m ³)	l	870	870	780	-
UQF HD-Bucket (2.1 t/m ³)	l	700	700	620	-

Note: 1. Bucket size based on SAE-J296, heaped material with a 1:1 angle of repose. 2. "Max permitted sizes" are for reference only and are not necessarily available from the factory.



2-piece boom 5.47m and dipper arm 2.45m, 2.6m, 3m



2-piece boom 5.47m and grab arm 3.2m

WORKING RANGES WITH DIRECT FIT BUCKET

	Unit	5.47m 2 piece boom			
		2.45	2.6	3	Grab arm 3.2
A Max. digging reach	mm	9 770	9 920	10 310	8 840
B Max. digging reach on ground	mm	9 600	9 740	10 140	-
C Max. digging depth	mm	5 860	6 010	6 410	5 000
D Max. digging depth (l=2.44m level)	mm	5 760	5 920	6 320	-
E Max. vertical wall digging depth	mm	4 740	4 900	5 280	-
F Max. cutting height	mm	10 850	10 980	11 320	9 750
G Max. dumping height	mm	7 650	7 780	8 120	-
H Min. front slew radius	mm	3 010	3 080	3 240	3 700

DIGGING FORCES WITH DIRECT FIT BUCKET

Breakout force (bucket)	ISO	kN	136*	136*	136*	-
Tearout force (arm)	ISO	kN	106*	102*	92*	-

* with powerboost

Max. recommended sizes for direct fit buckets

GP-Bucket (1.8t/m ³)	l	1 000	870	870	-
HD-Bucket (2.1t/m ³)	l	700	700	700	-

Max. recommended sizes for quick fit buckets

S1/S70 QF GP-Bucket (1.8 t/m ³)	l	870	780	700	-
S1/S70 QF HD-Bucket (2.1 t/m ³)	l	700	700	620	-
UQF GP-Bucket (1.8 t/m ³)	l	870	780	700	-
UQF HD-Bucket (2.1 t/m ³)	l	700	700	620	-

Note: 1. Bucket size based on SAE-J296, heaped material with a 1:1 angle of repose. 2. "Max permitted sizes" are for reference only and are not necessarily available from the factory.

Specifications

LIFTING CAPACITY EW180E

At the arm end, without bucket and quick fit. For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. With heavy counterweight. Unit: 1 000kg

	Lifting point	Reach from machine centre (u = support up/d = support down)																													
		1.5 m				3.0 m				4.5 m				6.0 m				7.5 m				Max.									
		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Max.					
m	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	m						
Mono Boom: 5m Dipper arm: 2.45m Front dozer blade Rear outrigger	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	5.3*	5.3*	5.3*	5.2	
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.4	5.6	5.1	6.8*	-	-	-	-	-	-	-	-	2.9	4.6*	4.4	4.6*	6.5	
	4.5	-	-	-	-	-	-	-	-	5.1	8.5*	7.9	8.5*	3.3	5.5	5.0	7.1*	-	-	-	-	-	-	-	-	2.4	4.0	3.6	4.5*	7.3	
	3	-	-	-	-	-	-	-	-	4.7	8.2	7.4	10.2*	3.1	5.3	4.8	7.8*	2.2	3.7	3.4	6.2*	2.1	3.6	3.3	4.5*	2.1	3.6	3.3	4.5*	7.7	
	1.5	-	-	-	-	-	-	-	-	4.3	7.8	7.0	11.4*	2.9	5.1	4.6	8.4*	2.1	3.6	3.3	6.7*	2.0	3.5	3.2	4.8*	2.0	3.5	3.2	4.8*	7.8	
	0	-	-	-	-	-	-	-	-	4.1	7.6	6.8	11.6*	2.8	4.9	4.5	8.5*	2.1	3.6	3.3	6.1*	2.1	3.6	3.2	5.4*	2.1	3.6	3.2	5.4*	7.5	
Mono Boom: 5m Dipper arm: 2.6m Front dozer blade Rear outrigger	-1.5	-	-	-	-	7.4	11.6*	11.6*	11.6*	4.1	7.5	6.7	10.6*	2.8	4.9	4.4	7.8*	-	-	-	-	-	-	-	-	2.3	4.0	3.6	6.1*	7.0	
	-3	-	-	-	-	7.6	11*	11*	11*	4.1	7.6	6.8	8.3*	-	-	-	-	-	-	-	-	-	-	-	-	2.9	5.0	4.5	5.5*	6.0	
	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	4.9*	4.9*	4.9*	5.4	
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	5.6	5.1	6.7*	-	-	-	-	-	-	-	-	2.8	4.4*	4.2	4.4*	6.7
	4.5	-	-	-	-	-	-	-	-	5.2	8.2*	8.0	8.2*	3.3	5.5	5.0	7.0*	-	-	-	-	-	-	-	-	2.3	3.8	3.5	4.2*	7.4	
	3	-	-	-	-	-	-	-	-	4.7	8.3	7.5	10*	3.1	5.3	4.8	7.7*	2.2	3.7	3.4	6.5*	2.0	3.5	3.2	4.3*	2.0	3.5	3.2	4.3*	7.8	
Mono Boom: 5m Dipper arm: 3.2m Front dozer blade Rear outrigger	1.5	-	-	-	-	-	-	-	-	4.3	7.8	7.0	11.3*	2.9	5.1	4.6	8.3*	2.1	3.6	3.3	6.6*	2.0	3.4	3.1	4.6*	2.0	3.4	3.1	4.6*	7.9	
	0	-	-	-	-	5.9*	5.9*	5.9*	5.9*	4.1	7.5	6.8	11.6*	2.8	4.9	4.4	8.5*	2.1	3.6	3.2	6.4*	2.0	3.5	3.1	5.1*	2.0	3.5	3.1	5.1*	7.7	
	-1.5	-	-	-	-	7.3	11.3*	11.3*	11.3*	4.0	7.5	6.7	10.7*	2.8	4.9	4.4	7.9*	-	-	-	-	-	-	-	-	2.2	3.8	3.5	6*	7.1	
	-3	-	-	-	-	7.5	11.5*	11.5*	11.5*	4.1	7.5	6.8	8.6*	2.8	4.9	4.5	5.9*	-	-	-	-	-	-	-	-	2.7	4.8	4.3	5.5*	6.2	
	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	4.1*	4.1*	4.1*	6.0	
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	5.6	5.2	6.2*	-	-	-	-	-	-	-	-	2.5	3.7*	3.7*	3.7*	7.1
Mono Boom: 5m Dipper arm: 2.45m Rear dozer blade	4.5	-	-	-	-	-	-	-	-	5.2	7.3*	7.3*	7.3*	3.3	5.5	5.0	6.6*	2.3	3.8	3.5	5.2*	2.1	3.5	3.2	3.6*	2.1	3.5	3.2	3.6*	7.8	
	3	-	-	-	-	-	-	-	-	4.8	8.4	7.6	9.4*	3.2	5.3	4.8	7.4*	2.2	3.8	3.4	6.3*	1.9	3.2	2.9	3.6*	1.9	3.2	2.9	3.6*	8.2	
	1.5	-	-	-	-	-	-	-	-	4.4	7.9	7.1	11.0*	2.9	5.1	4.6	8.1*	2.1	3.6	3.3	6.5*	1.8	3.1	2.8	3.8*	1.8	3.1	2.8	3.8*	8.3	
	0	-	-	-	-	6.4*	6.4*	6.4*	6.4*	4.1	7.5	6.7	11.6*	2.8	4.9	4.4	8.4*	2.0	3.6	3.2	6.5*	1.8	3.2	2.9	4.2*	1.8	3.2	2.9	4.2*	8.1	
	-1.5	6.2*	6.2*	6.2*	6.2*	7.2	10.5*	10.5*	10.5*	4.0	7.4	6.6	11.0*	2.7	4.8	4.4	8.1*	2.0	3.5	3.2	5.7	2.0	3.5	3.2	5*	2.0	3.5	3.2	5*	7.6	
	-3	-	-	-	-	7.4*	12.8*	12.8*	12.8*	4.0	7.4	6.7	9.3*	2.7	4.8	4.4	6.7*	-	-	-	-	-	-	-	-	2.4	4.2	3.8	5.4*	6.7	
Mono Boom: 5m Grab arm: 3.2m Front dozer blade Rear outrigger	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	4.1*	4.1*	4.1*	6.0	
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	5.9	5.4	6.3*	-	-	-	-	-	-	-	-	3.5	5.2*	5.2*	5.2*	6.1
	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	5.8	5.3	6.7*	2.5	4.1	3.8	6.2*	2.3	3.7	3.4	4.7*	2.3	3.7	3.4	4.7*	8.0
	3	-	-	-	-	-	-	-	-	5.1	8.7	7.9	9.4*	3.4	5.6	5.1	7.5*	2.5	4.0	3.7	6.5*	2.1	3.4	3.1	4.8*	2.1	3.4	3.1	4.8*	8.3	
	1.5	-	-	-	-	-	-	-	-	4.7	8.2	7.4	11.1*	3.2	5.4	4.9	8.3*	2.4	3.9	3.6	6.8*	2.0	3.3	3.0	5.1*	2.0	3.3	3.0	5.1*	8.4	
	0	-	-	-	-	-	-	-	-	4.4	7.8	7.0	11.9*	3.0	5.2	4.7	8.7*	2.3	3.8	3.5	6.8	2.0	3.4	3.1	5.6*	2.0	3.4	3.1	5.6*	8.2	
Mono Boom: 5m Dipper arm: 2.6m Rear dozer blade	-1.5	6.4*	6.4*	6.4*	6.4*	7.6	10.9*	10.9*	10.9*	4.3	7.7	6.9	11.5*	3.0	5.1	4.6	8.5*	2.2	3.8	3.4	6.4*	2.2	3.6	3.3	6*	2.2	3.6	3.3	6*	7.7	
	-3	-	-	-	-	7.6	13.8*	13.8*	13.8*	4.3	7.7	6.9	9.9*	3.0	5.1	4.6	7.2*	-	-	-	-	-	-	-	-	2.6	4.3	3.9	5.8*	6.8	
	-4.5	-	-	-	-	-	-	-	-	4.4	6.6*	6.6*	6.6*	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	5.0*	5.0*	5.0*	5.3
	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	4.5	5.3*	5.3*	5.2
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	3.6	5.0	6.8*	-	-	-	-	-	-	-	-	2.8	3.1	4.3	4.6*	6.5
	4.5	-	-	-	-	-	-	-	-	4.9	5.5	7.8	8.5*	3.1	3.5	4.9	7.1*	-	-	-	-	-	-	-	-	-	2.2	2.5	3.6	4.5*	7.3
Mono Boom: 5m Dipper arm: 2.45m Rear dozer blade	3	-	-	-	-	-	-	-	-	4.4	5.1	7.3	10.2*	3.0	3.3	4.7	7.6	2.1	2.4	3.3	5.2	2.0	2.3	3.2	4.5*	2.0	2.3	3.2	4.5*	7.7	
	1.5	-	-	-	-	-	-	-	-	4.1	4.7	6.9	11.4*	2.8	3.2	4.5	7.3	2.0	2.3	3.3	5.1	1.9	2.2	3.1	4.8*	1.9	2.2	3.1	4.8*	7.8	
	0	-	-	-	-	-	-	-	-	3.9	4.5	6.6	11.6*	2.6	3.0	4.4	7.2	2.0	2.2	3.2	5.1	1.9	2.2	3.2	5.0	1.9	2.2	3.2	5.0	7.5	
	-1.5	-	-	-	-	7.0	8.2	11.6*	11.6*	3.8	4.4	6.6	10.6*	2.6	3.0	4.3	7.1	-	-	-	-	-	-	-	-	2.1	2.4	3.5	5.6	7.0	
	-3	-	-	-	-	7.1	8.4	11.0*	11.0*	3.9	4.5	6.7	8.3*	-	-	-	-	-	-	-	-	-	-	-	-	2.7	3.1	4.4	5.5*	6.0	
	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	4.3	4.9*	4.9*	5.4
Mono Boom: 5m Dipper arm: 2.6m Rear dozer blade	6	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	3.6	5.0	6.7*	-	-	-	-	-	-	-	-	2.6	3.0	4.2	4.4*	6.7
	4.5	-	-	-	-	-	-	-	-	4.9	5.5	7.8	8.2*	3.1	3.5	4.9	7*	-	-	-	-	-	-	-	-	2.2	2.4	3.4	4.2*	7.4	
	3	-	-	-	-	-	-	-	-	4.5	5.1	7.3	10*	3.0	3.4	4.7	7.6	2.1	2.4	3.3	5.2	1.9	2.2	3.1	4.3*	1.9	2.2	3.1	4.3*	7.8	
	1.5	-	-	-	-	-	-	-	-	4.1	4.7	6.9	11.3*	2.8	3.2	4.5	7.4	2.0	2.3	3.2	5.1	1.8	2.1	3.0	4.6*	1.8	2.1	3.0	4.6*	7.9	
	0	-	-	-	-	5.9*	5.9*	5.9*	5.9*	3.9	4.5	6.6	11.6*	2.6	3.0	4.4	7.2	1.9	2.2	3.2	5.1	1.9	2.1	3.1	4.9	1.9	2.1	3.1	4.9	7.7	
	-1.5	-	-	-	-	6.9	8.2	11.3*	11.3*	3.8	4.4	6.6	10.7*	2.6	3.0	4.3	7.1	-	-	-	-	-	-	-	-	-	2.1	2.4	3.4	5.4	7.1
-3	-	-	-	-	7.1	8.3	11.5*	11.5*	3.9	4.5	6.6	8.6*	2.6	3.0	4.4	5.9*	-	-	-	-	-	-	-	-	-	2.6	2.9	4.2	5.5*	6.2	

Notes: 1. Working pressure with Power Boost = 37.5 MPa. 2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground. 3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

LIFTING CAPACITY EW180E

At the arm end, without bucket and quick fit. For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.
With heavy counterweight. Unit: 1 000kg

	Lifting point	Reach from machine centre (u = support up/d = support down)																								
		1.5 m				3.0 m				4.5 m				6.0 m				7.5 m				Max.				
		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Max.
m	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	m	
Mono Boom: 5m Dipper arm: 3m Rear dozer blade	6	-	-	-	-	-	-	-	-	-	-	-	-	3.3	3.7	5.1	6.2*	-	-	-	-	2.4	2.7	3.7*	3.7*	7.1
	4.5	-	-	-	-	-	-	-	-	5.0	5.6	7.3*	7.3*	3.2	3.6	5.0	6.6*	2.2	2.4	3.4	5.2*	2.0	2.2	3.2	3.6*	7.8
	3	-	-	-	-	-	-	-	-	4.6	5.2	7.4	9.4*	3.0	3.4	4.8	7.4*	2.1	2.4	3.4	5.2	1.8	2.0	2.9	3.6*	8.2
	1.5	-	-	-	-	-	-	-	-	4.1	4.7	6.9	11.0*	2.8	3.2	4.5	7.4	2.0	2.3	3.2	5.1	1.7	1.9	2.8	3.8*	8.3
	0	-	-	-	-	6.4*	6.4*	6.4*	6.4*	3.8	4.4	6.6	11.6*	2.6	3.0	4.4	7.2	1.9	2.2	3.2	5.0	1.7	2.0	2.8	4.2*	8.1
	-1.5	6.2*	6.2*	6.2*	6.2*	6.8	8.0	10.5*	10.5*	3.8	4.4	6.5	11.0*	2.5	2.9	4.3	7.1	1.9	2.2	3.1	5.0	1.9	2.1	3.1	5.0	7.6
	-3	-	-	-	-	6.9	8.2	12.8*	12.8*	3.8	4.4	6.5	9.3*	2.6	2.9	4.3	6.7*	-	-	-	-	2.2	2.6	3.7	5.4*	6.7
Mono Boom: 5m Grab arm: 3.2m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	3.5	3.9	5.3	6.6*	-	-	-	-	3.4	3.8	5.1	5.2*	6.1
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.5	3.9	5.3	6.3*	-	-	-	-	2.6	2.9	3.9	4.8*	7.3
	4.5	-	-	-	-	-	-	-	-	-	-	-	-	3.4	3.8	5.2	6.7*	2.4	2.7	3.7	5.6	2.2	2.4	3.3	4.7*	8.0
	3	-	-	-	-	-	-	-	-	4.9	5.5	7.8	9.4*	3.2	3.6	5.0	7.5*	2.3	2.6	3.6	5.5	2.0	2.2	3.1	4.6	8.3
	1.5	-	-	-	-	-	-	-	-	4.4	5.0	7.3	11.1*	3.0	3.4	4.8	7.6	2.2	2.5	3.5	5.4	1.9	2.1	3.0	4.5	8.4
	0	-	-	-	-	-	-	-	-	4.2	4.8	6.9	11.9*	2.9	3.3	4.6	7.4	2.2	2.4	3.4	5.3	1.9	2.2	3.0	4.6	8.2
	-1.5	6.4*	6.4*	6.4*	6.4*	7.1	8.4	10.9*	10.9*	4.0	4.6	6.8	11.5*	2.8	3.2	4.5	7.3	2.1	2.4	3.4	5.2	2.0	2.3	3.3	5.0	7.7
-3	-	-	-	-	7.2	8.5	13.5	13.8*	4.0	4.6	6.8	9.9*	2.8	3.2	4.5	7.2*	-	-	-	-	2.4	2.7	3.8	5.8*	6.8	
-4.5	-	-	-	-	-	-	-	-	4.2	4.8	6.6*	6.6*	-	-	-	-	-	-	-	-	3.4	3.8	5.0*	5.0*	5.3	
Mono Boom: 5m Dipper arm: 2.45m Front outrigger Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	5.3*	5.3*	5.3*	5.2
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.4	5.5	4.8	6.8*	-	-	-	-	2.9	4.6*	4.2	4.6*	6.5
	4.5	-	-	-	-	-	-	-	-	5.1	8.5*	7.6	8.5*	3.3	5.4	4.8	7.1*	-	-	-	-	2.4	3.9	3.4	4.5*	7.3
	3	-	-	-	-	-	-	-	-	4.7	8.1	7.1	10.2*	3.1	5.2	4.6	7.8*	2.2	3.7	3.2	6.2*	2.1	3.5	3.1	4.5*	7.7
	1.5	-	-	-	-	-	-	-	-	4.3	7.6	6.6	11.4*	2.9	5.0	4.4	8.4*	2.1	3.6	3.2	6.7*	2.0	3.4	3.0	4.8*	7.8
	0	-	-	-	-	-	-	-	-	4.1	7.4	6.4	11.6*	2.8	4.8	4.2	8.5*	2.1	3.5	3.1	6.1*	2.1	3.5	3.1	5.4*	7.5
	-1.5	-	-	-	-	7.4	11.6*	11.6*	11.6*	4.1	7.3	6.4	10.6*	2.8	4.8	4.2	7.8*	-	-	-	-	2.3	3.9	3.4	6.1*	7.0
-3	-	-	-	-	7.6	11.0*	11.0*	11.0*	4.1	7.4	6.4	8.3*	-	-	-	-	-	-	-	-	2.9	4.9	4.3	5.5*	6.0	
Mono Boom: 5m Dipper arm: 2.6m Front outrigger Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	4.9*	4.9*	4.9*	5.4
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.4	5.5	4.9	6.7*	-	-	-	-	2.8	4.4*	4.0	4.4*	6.7
	4.5	-	-	-	-	-	-	-	-	5.2	8.2*	7.6	8.2*	3.3	5.4	4.8	7.0*	-	-	-	-	2.3	3.8	3.3	4.2*	7.4
	3	-	-	-	-	-	-	-	-	4.7	8.1	7.1	10*	3.1	5.2	4.6	7.7*	2.2	3.7	3.2	6.5*	2.0	3.4	3.0	4.3*	7.8
	1.5	-	-	-	-	-	-	-	-	4.3	7.6	6.7	11.3*	2.9	5.0	4.4	8.3*	2.1	3.6	3.1	6.6*	2.0	3.3	2.9	4.6*	7.9
	0	-	-	-	-	5.9*	5.9*	5.9*	5.9*	4.1	7.4	6.4	11.6*	2.8	4.8	4.2	8.5*	2.1	3.5	3.1	6.4*	2.0	3.4	3.0	5.1*	7.7
	-1.5	-	-	-	-	7.3	11.3*	11.3*	11.3*	4.0	7.3	6.3	10.7*	2.8	4.8	4.2	7.9*	-	-	-	-	2.2	3.8	3.3	6*	7.1
-3	-	-	-	-	7.5	11.5*	11.5*	11.5*	4.1	7.4	6.4	8.6*	2.8	4.8	4.2	5.9*	-	-	-	-	2.7	4.7	4.1	5.5*	6.2	
Mono Boom: 5m Dipper arm: 3m Front outrigger Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	4.1*	4.1*	4.1*	6.0
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.4	5.5	4.9	6.2*	-	-	-	-	2.5	3.7*	3.6	3.7*	7.1
	4.5	-	-	-	-	-	-	-	-	5.2	7.3*	7.3*	7.3*	3.3	5.4	4.8	6.6*	2.3	3.8	3.3	5.2*	2.1	3.5	3.1	3.6*	7.8
	3	-	-	-	-	-	-	-	-	4.8	8.2	7.2	9.4*	3.2	5.2	4.6	7.4*	2.2	3.7	3.2	6.3*	1.9	3.2	2.8	3.6*	8.2
	1.5	-	-	-	-	-	-	-	-	4.4	7.7	6.7	11.0*	2.9	5.0	4.4	8.1*	2.1	3.6	3.1	6.5*	1.8	3.1	2.7	3.8*	8.3
	0	-	-	-	-	6.4*	6.4*	6.4*	6.4*	4.1	7.4	6.4	11.6*	2.8	4.8	4.2	8.4*	2.0	3.5	3.0	6.5*	1.8	3.1	2.7	4.2*	8.1
	-1.5	6.2*	6.2*	6.2*	6.2*	7.2	10.5*	10.5*	10.5*	4.0	7.2	6.3	11.0*	2.7	4.7	4.1	8.1*	2.0	3.5	3.0	5.7	2.0	3.4	3.0	5*	7.6
-3	-	-	-	-	7.4	12.8*	12.8	12.8*	4.0	7.3	6.3	9.3*	2.7	4.7	4.1	6.7*	-	-	-	-	2.4	4.1	3.6	5.4*	6.7	
Mono Boom: 5m Grab arm: 3.2m Front outrigger Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	3.6	5.6*	5.1	6.6*	-	-	-	-	3.5	5.2*	5.0	5.2*	6.1
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.7	5.8	5.2	6.2*	-	-	-	-	2.7	4.2	3.8	4.8*	7.3
	4.5	-	-	-	-	-	-	-	-	-	-	-	-	3.6	5.7	5.0	6.7*	2.5	4.0	3.6	6.1*	2.3	3.6	3.2	4.7*	8.0
	3	-	-	-	-	-	-	-	-	5.1	8.5	7.5	9.4*	3.4	5.4	4.8	7.5*	2.4	3.9	3.5	6.4*	2.0	3.3	2.9	4.8*	8.3
	1.5	-	-	-	-	-	-	-	-	4.6	8.0	7.0	11.1*	3.2	5.2	4.6	8.2*	2.3	3.8	3.4	6.7*	2.0	3.2	2.8	5.1*	8.4
	0	-	-	-	-	-	-	-	-	4.3	7.6	6.7	11.8*	3.0	5.0	4.4	8.6*	2.2	3.7	3.3	6.8*	2.0	3.3	2.9	5.6*	8.2
	-1.5	6.4*	6.4*	6.4*	6.4*	7.5	10.9*	10.9*	10.9*	4.2	7.5	6.5	11.4*	2.9	4.9	4.3	8.4*	2.2	3.7	3.2	6.3*	2.1	3.5	3.1	6*	7.7
-3	-	-	-	-	7.6	13.8*	13.0	13.8*	4.2	7.5	6.5	9.9*	2.9	4.9	4.3	7.2*	-	-	-	-	2.5	4.2	3.7	5.8*	6.8	
-4.5	-	-	-	-	-	-	-	-	4.4	6.5*	6.5*	6.5*	-	-	-	-	-	-	-	-	3.5	5.0*	5.0*	5.0*	5.3	

Notes: 1. Working pressure with Power Boost = 37.5 MPa. 2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground. 3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

Specifications

LIFTING CAPACITY EW180E

At the arm end, without bucket and quick fit. For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.
With heavy counterweight. Unit: 1 000kg

	Lifting point	Reach from machine centre (u = support up/d = support down)																									
		1.5 m				3.0 m				4.5 m				6.0 m				7.5 m				Max.					
		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Max.	
m	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	m		
Mono Boom: 5m Dipper arm: 2.45m Front and rear outriggers	6	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	6.8*	5.0	6.8*	-	-	-	-	3.0	4.6*	4.3	4.6*	6.5
	4.5	-	-	-	-	-	-	-	-	5.2	8.5*	7.8	8.5*	3.3	6.8	4.9	7.1*	-	-	-	-	2.4	4.5*	3.6	4.5*	7.3	
	3	-	-	-	-	-	-	-	-	4.8	10.2*	7.4	10.2*	3.2	6.6	4.7	7.8*	2.2	4.6	3.4	6.2*	2.2	4.4	3.2	4.5*	7.7	
	1.5	-	-	-	-	-	-	-	-	4.4	10.1	6.9	11.4*	3.0	6.4	4.6	8.4*	2.2	4.6	3.3	6.7*	2.0	4.3	3.1	4.8*	7.8	
	0	-	-	-	-	-	-	-	-	4.2	9.8	6.7	11.6*	2.9	6.2	4.4	8.5*	2.1	4.5	3.2	6.1*	2.1	4.4	3.2	5.4*	7.5	
	-1.5	-	-	-	-	-	7.5	11.6*	11.6*	11.6*	4.1	9.7	6.6	10.6*	2.8	6.2	4.4	7.8*	-	-	-	-	2.3	5.0	3.6	6.1*	7.0
Mono Boom: 5m Dipper arm: 2.6m Front and rear outriggers	-3	-	-	-	-	7.7	11.0*	11.0*	11.0*	4.2	8.3*	6.7	8.3*	-	-	-	-	-	-	-	-	2.9	5.5*	4.5	5.5*	6.0	
	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	6.7*	5.0	6.7*	-	-	-	-	2.8	4.4*	4.2	4.4*	6.7
	4.5	-	-	-	-	-	-	-	-	5.2	8.2*	7.9	8.2*	3.4	6.8	5.0	7*	-	-	-	-	2.3	4.2*	3.5	4.2*	7.4	
	3	-	-	-	-	-	-	-	-	4.8	10*	7.4	10.0*	3.2	6.6	4.8	7.7*	2.2	4.6	3.4	6.5*	2.1	4.3*	3.1	4.3*	7.8	
	1.5	-	-	-	-	-	-	-	-	4.4	10.1	6.9	11.3*	3.0	6.4	4.6	8.3*	2.2	4.5	3.3	6.6*	2.0	4.2	3.0	4.6*	7.9	
	0	-	-	-	-	-	5.9*	9.9*	9.9*	9.9*	4.2	9.8	6.7	11.6*	2.8	6.2	4.4	8.5*	2.1	4.5	3.2	6.4*	2.0	4.3	3.1	5.1*	7.7
Mono Boom: 5m Dipper arm: 3m Front and rear outriggers	-1.5	-	-	-	-	7.5	11.3*	11.3*	11.3*	4.1	9.7	6.6	10.7*	2.8	6.2	4.3	7.9*	-	-	-	-	2.2	4.8	3.4	6*	7.1	
	-3	-	-	-	-	7.6	11.5*	11.5*	11.5*	4.2	8.6*	6.7	8.6*	2.9	5.9*	4.4	5.9*	-	-	-	-	2.8	5.5*	4.3	5.5*	6.2	
	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	4.1*	4.1*	4.1*	6.0
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	6.2*	5.1	6.2*	-	-	-	-	2.6	3.7*	3.7*	3.7*	7.1
	4.5	-	-	-	-	-	-	-	-	5.3	7.3*	7.3*	7.3*	3.4	6.6*	5.0	6.6*	2.3	4.7	3.4	5.2*	2.1	3.6*	3.2	3.6*	7.8	
	3	-	-	-	-	-	-	-	-	4.9	9.4*	7.5	9.4*	3.2	6.6	4.8	7.4*	2.2	4.6	3.4	6.3*	1.9	3.6*	2.9	3.6*	8.2	
Mono Boom: 5m Grab arm: 3.2m Front and rear outriggers	1.5	-	-	-	-	-	-	-	-	4.4	10.1	7.0	11.0*	3.0	6.4	4.6	8.1*	2.2	4.5	3.3	6.5*	1.8	3.8*	2.8	3.8*	8.3	
	0	-	-	-	-	-	6.4*	6.4*	6.4*	4.2	9.8	6.7	11.6*	2.8	6.2	4.4	8.4*	2.1	4.4	3.2	6.5*	1.9	4.0	2.9	4.2*	8.1	
	-1.5	6.2*	6.2*	6.2*	6.2*	7.3	10.5*	10.5*	10.5*	4.1	9.7	6.6	11.0*	2.8	6.1	4.3	8.1*	2.0	4.4	3.2	5.7	2.0	4.4	3.1	5*	7.6	
	-3	-	-	-	-	7.5	12.8*	12.8*	12.8*	4.1	9.3*	6.6	9.3*	2.8	6.1	4.3	6.7*	-	-	-	-	2.4	5.3	3.8	5.4*	6.7	
	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	5.6*	5.3	5.6*	-	-	-	-	3.6	5.2*	5.2	5.2*	6.1
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	6.3*	5.4	6.3*	-	-	-	-	2.7	4.8*	3.9	4.8*	7.3
2-piece Boom: 5.47m Dipper Arm: 2.45m Front and rear outriggers	4.5	-	-	-	-	-	-	-	-	-	-	-	-	3.6	6.7*	5.2	6.7*	2.6	5.0	3.7	6.2*	2.3	4.5	3.4	4.7*	8.0	
	3	-	-	-	-	-	-	-	-	5.2	9.4*	7.8	9.4*	3.5	6.9	5.0	7.5*	2.5	4.9	3.6	6.5*	2.1	4.2	3.1	4.8*	8.3	
	1.5	-	-	-	-	-	-	-	-	4.8	10.5	7.3	11.1*	3.3	6.7	4.8	8.3*	2.4	4.8	3.5	6.8*	2.0	4.0	3.0	5.1*	8.4	
	0	-	-	-	-	-	-	-	-	4.5	10.1	7.0	11.9*	3.1	6.5	4.6	8.7*	2.3	4.7	3.4	6.8*	2.1	4.1	3.0	5.6*	8.2	
	-1.5	6.4*	6.4*	6.4*	6.4*	7.7	10.9*	10.9*	10.9*	4.4	10.0	6.8	11.5*	3.0	6.4	4.6	8.5*	2.3	4.6	3.4	6.4*	2.2	4.5	3.3	6*	7.7	
	-3	-	-	-	-	7.8	13.8*	13.8*	13.8*	4.4	9.9*	6.8	9.9*	3.0	6.4	4.6	7.2*	-	-	-	-	2.6	5.3	3.9	5.8*	6.8	
2-piece Boom: 5.47m Dipper arm: 2.6m Front and rear outriggers	-4.5	-	-	-	-	-	-	-	-	4.5	6.6*	6.6*	6.6*	-	-	-	-	-	-	-	-	3.6	5.0*	5.0*	5.0*	5.3	
	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7*	7.7*	7.7*	7.7*	3.5
	7.5	-	-	-	-	-	-	-	-	5.6	6.9*	6.9*	6.9*	-	-	-	-	-	-	-	-	3.6	5.4*	5.4	5.4*	5.8	
	6	-	-	-	-	-	-	-	-	5.5	7.1*	7.1*	7.1*	3.5	6.4*	5.1	6.4*	-	-	-	-	2.6	4.8*	3.9	4.8*	7.0	
	4.5	-	-	-	-	-	-	-	-	5.2	8.2*	7.9	8.2*	3.4	6.8*	5.0	6.8*	2.3	4.8	3.5	6.1*	2.2	4.5*	3.3	4.5*	7.7	
	3	-	-	-	-	-	-	-	-	4.7	10*	7.4	10*	3.2	6.7	4.8	7.5*	2.2	4.7	3.4	6.3*	2.0	4.2	3.0	4.5*	8.1	
2-piece Boom: 5.47m Dipper arm: 2.6m Front and rear outriggers	1.5	-	-	-	-	-	-	-	-	4.3	10.1	6.9	11.2*	3.0	6.4	4.6	8.1*	2.2	4.6	3.3	6.5*	1.9	4.1	2.9	4.6*	8.2	
	0	-	-	-	-	-	-	-	-	4.1	9.9	6.7	11.4*	2.8	6.3	4.4	8.3*	2.1	4.5	3.2	6.4*	1.9	4.2	3.0	5*	7.9	
	-1.5	-	-	-	-	-	-	-	-	4.1	9.8	6.6	10.6*	2.8	6.2	4.4	7.9*	-	-	-	-	2.1	4.6	3.3	5.7*	7.4	
	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	7.0*	7.0*	7.0*	3.9
	7.5	-	-	-	-	-	-	-	-	5.6	6.6*	6.6*	6.6*	-	-	-	-	-	-	-	-	3.4	5.1*	5.1*	5.1*	6.0	
	6	-	-	-	-	-	-	-	-	5.5	6.9*	6.9*	6.9*	3.5	6.3*	5.2	6.3*	-	-	-	-	2.5	4.5*	3.8	4.5*	7.1	

Notes: 1. Working pressure with Power Boost = 37.5 MPa. 2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground. 3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

LIFTING CAPACITY EW180E

At the arm end, without bucket and quick fit. For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.
With heavy counterweight. Unit: 1 000kg

	Lifting point	Reach from machine centre (u = support up/d = support down)																									
		1.5 m				3.0 m				4.5 m				6.0 m				7.5 m				Max.					
		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Max.	
m	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	m		
2-piece Boom: 5.47m Dipper Arm: 3m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	5.8*	5.2	5.8*	-	-	-	-	3.0	4.2*	4.2*	4.2*	6.5
	6	-	-	-	-	-	-	-	-	5.6	5.8*	5.8*	5.8*	3.5	5.8*	5.2	5.8*	2.4	4.4*	3.5	4.4*	2.3	3.8*	3.4	3.8*	7.6	
	4.5	-	-	-	-	5.8*	5.8*	5.8*	5.8*	5.3	6.8*	6.8*	6.8*	3.4	6.3*	5.1	6.3*	2.3	4.8	3.5	5.7*	1.9	3.6*	3.0	3.6*	8.3	
	3	-	-	-	-	-	-	-	-	4.8	9.2*	7.5	9.2*	3.2	6.7	4.8	7.1*	2.2	4.7	3.4	6.0*	1.8	3.6*	2.7	3.6*	8.6	
	1.5	-	-	-	-	-	-	-	-	4.4	10.2	7.0	10.8*	3.0	6.5	4.6	7.8*	2.1	4.6	3.3	6.3*	1.7	3.7	2.6	3.7*	8.7	
	0	-	-	-	-	-	-	-	-	4.1	9.9	6.7	11.4*	2.8	6.3	4.4	8.2*	2.0	4.5	3.2	6.4	1.7	3.8	2.7	4.0*	8.5	
	-1.5	-	-	-	-	7.3*	7.6*	7.6*	7.6*	4.0	9.8	6.6	10.9*	2.7	6.2	4.3	8.0*	2.0	4.5	3.2	6.1	1.9	4.1	2.9	4.5*	8.0	
-3	-	-	-	-	-	-	-	-	4.0	9.5	6.6	9.5	2.7	6.2	4.3	7.0*	-	-	-	-	-	2.4	5.2	3.7	5.8	6.7	
9	-	-	-	-	-	-	-	-	5.8	6.9*	6.9*	6.9*	-	-	-	-	-	-	-	-	-	5.0	6.5*	6.5*	6.5*	4.9	
2-piece Boom: 5.47m Grab arm: 3.2m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	3.8	6.0*	5.5	6.0*	-	-	-	-	3.1	5.3*	4.5	5.3*	6.7	
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.8	5.9*	5.5	5.9*	2.6	5.1	3.8	5.8*	2.5	4.8	3.6	4.9*	7.8	
	4.5	-	-	-	-	-	-	-	-	5.6	6.6*	6.6*	6.6*	3.7	6.4*	5.3	6.4*	2.6	5.1	3.8	5.9*	2.1	4.2	3.1	4.7*	8.4	
	3	-	-	-	-	-	-	-	-	5.1	9.3*	7.8	9.3*	3.4	7.0	5.1	7.2*	2.5	5.0	3.7	6.2*	2.0	3.9	2.9	4.7*	8.8	
	1.5	-	-	-	-	-	-	-	-	4.4	10.2	7.0	11.7*	3.0	6.5	4.7	8.5*	2.3	4.8	3.4	6.7*	1.9	3.9	2.8	5.3*	8.6	
	0	-	-	-	-	-	-	-	-	4.4	10.2	7.0	11.7*	3.0	6.5	4.7	8.5*	2.3	4.8	3.4	6.7*	1.9	3.9	2.8	5.3*	8.6	
	-1.5	-	-	-	-	7.6	7.9*	7.9*	7.9*	4.3	10.0	6.8	11.4*	3.0	6.4	4.6	8.4*	2.2	4.7	3.4	6.5*	2.0	4.2	3.1	5.6*	8.1	
-3	-	-	-	-	-	-	-	-	4.3	10.1	6.9	10.1*	3.0	6.4	4.6	7.5*	-	-	-	-	-	2.4	5.1	3.7	5.8*	7.1	
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7*	7.7*	7.7*	7.7*	3.5	
2-piece Boom: 5.47m Dipper Arm: 2.45m Front dozer blade Rear outriggers	7.5	-	-	-	-	-	-	-	-	5.5	6.9*	6.9*	6.9*	-	-	-	-	-	-	-	-	-	3.6	5.4*	5.4*	5.4*	5.8
	6	-	-	-	-	-	-	-	-	5.4	7.1*	7.1*	7.1*	3.4	5.7	5.2	6.4*	-	-	-	-	2.6	4.4	4.0	4.8*	7.0	
	4.5	-	-	-	-	-	-	-	-	5.1	8.2*	8.0	8.2*	3.3	5.6	5.1	6.8*	2.3	3.9	3.5	6.1*	2.2	3.7	3.4	4.5*	7.7	
	3	-	-	-	-	-	-	-	-	4.6	8.3	7.4	10.0*	3.1	5.3	4.8	7.5*	2.2	3.8	3.4	6.3*	1.9	3.4	3.0	4.5*	8.1	
	1.5	-	-	-	-	-	-	-	-	4.2	7.8	7.0	11.2*	2.9	5.1	4.6	8.1*	2.1	3.7	3.3	6.5*	1.8	3.3	3.0	4.6*	8.2	
	0	-	-	-	-	-	-	-	-	4.0	7.6	6.8	11.4*	2.8	5.0	4.5	8.3*	2.0	3.6	3.3	6.4*	1.9	3.4	3.0	5.0*	7.9	
	-1.5	-	-	-	-	-	-	-	-	4.0	7.5	6.7	10.6*	2.7	4.9	4.4	7.9*	-	-	-	-	-	2.1	3.7	3.3	5.7*	7.4
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	7.0*	7.0*	7.0*	3.9	
2-piece Boom: 5.47m Dipper Arm: 2.6m Front dozer blade Rear outriggers	7.5	-	-	-	-	-	-	-	-	5.6	6.6*	6.6*	6.6*	-	-	-	-	-	-	-	-	-	3.4	5.1*	5.1*	5.1*	6.0
	6	-	-	-	-	-	-	-	-	5.5	6.9*	6.9*	6.9*	3.4	5.7	5.2	6.3*	-	-	-	-	2.5	4.2	3.8	4.5*	7.1	
	4.5	-	-	-	-	-	-	-	-	5.2	8.0*	8.0	8*	3.3	5.6	5.1	6.7*	2.3	3.9	3.5	6*	2.1	3.6	3.2	4.3*	7.8	
	3	-	-	-	-	-	-	-	-	4.7	8.3	7.5	9.8*	3.1	5.3	4.8	7.4*	2.2	3.8	3.4	6.2*	1.9	3.3	3.0	4.2*	8.2	
	1.5	-	-	-	-	-	-	-	-	4.2	7.8	7.0	11.1*	2.9	5.1	4.6	8.0*	2.1	3.7	3.3	6.5*	1.8	3.2	2.9	4.4*	8.3	
	0	-	-	-	-	-	-	-	-	4.0	7.6	6.8	11.4*	2.8	4.9	4.5	8.3*	2.0	3.6	3.3	6.4*	1.8	3.2	2.9	4.7*	8.1	
	-1.5	-	-	-	-	-	-	-	-	4.0	7.5	6.7	10.7*	2.7	4.9	4.4	7.9*	2.0	3.6	3.3	5.7*	2.0	3.6	3.2	5.4*	7.6	
9	-	-	-	-	-	-	-	-	5.4	6.1*	6.1*	6.1*	-	-	-	-	-	-	-	-	-	5.0	5.4*	5.4*	5.4*	4.7	
2-piece Boom: 5.47m Dipper Arm: 3m Front dozer blade Rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	3.5	5.8	5.3	5.8*	-	-	-	-	3.0	4.2*	4.2*	4.2*	6.5	
	6	-	-	-	-	-	-	-	-	5.6	5.8*	5.8*	5.8*	3.5	5.8	5.3	5.8*	2.3	3.9	3.6	4.4*	2.2	3.8*	3.5	3.8*	7.6	
	4.5	-	-	-	-	5.8*	5.8*	5.8*	5.8*	5.2	6.8*	6.8*	6.8*	3.4	5.6	5.1	6.3*	2.3	3.9	3.6	5.7*	1.9	3.3	3.0	3.6*	8.3	
	3	-	-	-	-	-	-	-	-	4.8	8.4	7.6	9.2*	3.1	5.4	4.9	7.1*	2.2	3.8	3.4	6.0*	1.7	3.0	2.7	3.6*	8.6	
	1.5	-	-	-	-	-	-	-	-	4.3	7.9	7.0	10.8*	2.9	5.1	4.6	7.8*	2.1	3.7	3.3	6.3*	1.6	2.9	2.7	3.7*	8.7	
	0	-	-	-	-	-	-	-	-	4.0	7.6	6.7	11.4*	2.7	4.9	4.4	8.2*	2.0	3.6	3.2	6.4	1.7	3.0	2.7	4*	8.5	
	-1.5	-	-	-	-	7.1*	7.6*	7.6*	7.6*	3.9	7.4	6.6	10.9*	2.7	4.8	4.4	8*	2.0	3.5	3.2	6.1	1.8	3.3	3.0	4.5*	8.0	
-3	-	-	-	-	-	-	-	-	4.0	7.5	6.7	9.5*	2.7	4.9	4.4	7.0*	-	-	-	-	-	2.3	4.2	3.8	5.8*	6.7	
9	-	-	-	-	-	-	-	-	5.7	6.9*	6.9*	6.9*	-	-	-	-	-	-	-	-	-	4.9	6.5*	6.5*	6.5*	4.9	
2-piece Boom: 5.47m Grab arm: 3.2m Front dozer blade Rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	3.8	6*	5.5	6.0*	-	-	-	-	3.1	5.0	4.6	5.3*	6.7	
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.8	5.9*	5.5	5.9*	2.6	4.2	3.8	5.8*	2.4	4.0	3.6	4.9*	7.8	
	4.5	-	-	-	-	-	-	-	-	5.5	6.6*	6.6*	6.6*	3.6	5.9	5.4	6.4*	2.6	4.2	3.8	5.9*	2.1	3.4	3.2	4.7*	8.4	
	3	-	-	-	-	-	-	-	-	5.1	8.8	7.9	9.3*	3.4	5.6	5.2	7.2*	2.5	4.0	3.7	6.2*	1.9	3.2	2.9	4.7*	8.8	
	1.5	-	-	-	-	-	-	-	-	4.3	7.9	7.1	11.7*	3.0	5.2	4.9	8.5*	2.3	3.8	3.5	6.6*	1.8	3.1	2.8	4.9*	8.6	
	0	-	-	-	-	-	-	-	-	4.3	7.9	7.1	11.7*	3.0	5.2	4.7	8.5*	2.2	3.8	3.6	6.7*	1.9	3.2	2.9	5.3*	8.8	
	-1.5	-	-	-	-	7.4	7.9*	7.9*	7.9*	4.2	7.7	6.9	11.4*	2.9	5.1	4.6	8.4*	2.2	3.8	3.4	6.5*	2.0	3.4	3.1	5.6*	8.1	
-3	-	-	-	-	-	-	-	-	4.2	7.8	7.0	10.1*	2.9	5.1	4.6	7.5*	-	-	-	-	-	2.4	4.1	3.7	5.8*	7.1	

Notes: 1. Working pressure with Power Boost = 37.5 MPa. 2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground. 3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

Specifications

LIFTING CAPACITY EW180E

At the arm end, without bucket and quick fit. For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.
With heavy counterweight. Unit: 1 000kg

	Lifting point	Reach from machine centre (u = support up/d = support down)																								
		1.5 m				3.0 m				4.5 m				6.0 m				7.5 m				Max.				
		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Max.
	m	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	m
2-piece Boom: 5.47m Dipper Arm: 2.45m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	5.3	5.9	6.9*	6.9*	-	-	-	-	-	-	-	-	3.4	3.9	5.4	5.4*	5.8
	6	-	-	-	-	-	-	-	-	5.2	5.9	7.1*	7.1*	3.2	3.7	5.1	6.4*	-	-	-	-	2.4	2.8	3.9	4.8*	7.0
	4.5	-	-	-	-	-	-	-	-	4.9	5.5	7.9	8.2*	3.1	3.5	5.0	6.8*	2.1	2.4	3.4	5.4	2.0	2.3	3.3	4.5*	7.7
	3	-	-	-	-	-	-	-	-	4.4	5.0	7.3	10*	2.9	3.3	4.8	7.5*	2.1	2.4	3.4	5.4	1.8	2.1	3.0	4.5*	8.1
	1.5	-	-	-	-	-	-	-	-	4.0	4.6	6.9	11.2*	2.7	3.1	4.5	7.5	2.0	2.3	3.3	5.2	1.7	2.0	2.9	4.6	8.2
	0	-	-	-	-	-	-	-	-	3.8	4.4	6.6	11.4*	2.6	3.0	4.4	7.3	1.9	2.2	3.2	5.2	1.8	2.0	3.0	4.8	7.9
2-piece Boom: 5.47m Dipper Arm: 2.6m Rear dozer blade	-1.5	-	-	-	-	-	-	-	-	3.8	4.4	6.6	10.6*	2.6	3.0	4.3	7.2	-	-	-	-	2.0	2.3	3.3	5.3	7.4
	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	7.0*	7.0*	7.0*	3.9
	7.5	-	-	-	-	-	-	-	-	5.3	6.0	6.6*	6.6*	-	-	-	-	-	-	-	-	3.2	3.6	5.1*	5.1*	6.0
	6	-	-	-	-	-	-	-	-	5.2	5.9	6.9*	6.9*	3.3	3.7	5.1	6.3*	-	-	-	-	2.4	2.7	3.8	4.5*	7.1
	4.5	-	-	-	-	-	-	-	-	4.9	5.6	7.9	8.0*	3.1	3.6	5.0	6.7*	2.1	2.4	3.5	5.4	2.0	2.2	3.2	4.3*	7.8
	3	-	-	-	-	-	-	-	-	4.4	5.1	7.4	9.8*	2.9	3.3	4.8	7.4*	2.1	2.4	3.4	5.4	1.8	2.0	2.9	4.2*	8.2
2-piece Boom: 5.47m Dipper Arm: 3m Rear dozer blade	1.5	-	-	-	-	-	-	-	-	4.0	4.6	6.9	11.1*	2.7	3.1	4.5	7.5	2.0	2.3	3.3	5.2	1.7	1.9	2.8	4.4*	8.3
	0	-	-	-	-	-	-	-	-	3.8	4.4	6.6	11.4*	2.6	3.0	4.4	7.3	1.9	2.2	3.2	5.2	1.7	2.0	2.9	4.6	8.1
	-1.5	-	-	-	-	-	-	-	-	3.7	4.4	6.6	10.7*	2.5	2.9	4.3	7.2	1.9	2.2	3.2	5.2	1.9	2.2	3.2	5.1	7.6
	9	-	-	-	-	-	-	-	-	5.2	5.8	6.1*	6.1*	-	-	-	-	-	-	-	-	4.8	5.4*	5.4*	5.4*	4.7
	7.5	-	-	-	-	-	-	-	-	-	-	-	-	3.3	3.7	5.2	5.8*	-	-	-	-	2.8	3.2	4.2*	4.2*	6.5
	6	-	-	-	-	-	-	-	-	5.3	5.8*	5.8*	5.8*	3.3	3.7	5.2	5.8*	2.2	2.5	3.5	4.4*	2.1	2.4	3.4	3.8*	7.6
2-piece Boom: 5.47m Grab arm: 3.2m Rear dozer blade	4.5	-	-	-	-	5.8*	5.8*	5.8*	5.8*	5.0	5.7	6.8*	6.8*	3.2	3.6	5.0	6.3*	2.2	2.5	3.5	5.5	1.8	2.0	2.9	3.6*	8.3
	3	-	-	-	-	-	-	-	-	4.5	5.2	7.5	9.2*	3.0	3.4	4.8	7.1*	2.1	2.4	3.4	5.4	1.6	1.8	2.7	3.6*	8.6
	1.5	-	-	-	-	-	-	-	-	4.0	4.7	6.9	10.8*	2.7	3.1	4.5	7.5	2.0	2.3	3.3	5.2	1.5	1.8	2.6	3.7*	8.7
	0	-	-	-	-	-	-	-	-	3.8	4.4	6.6	11.4*	2.6	3.0	4.4	7.3	1.9	2.2	3.2	5.1	1.6	1.8	2.7	4.0*	8.5
	-1.5	-	-	-	-	6.7*	7.6*	7.6*	7.6*	3.7	4.3	6.5	10.9*	2.5	2.9	4.3	7.2	1.8	2.1	3.1	5.1	1.7	2.0	2.9	4.5*	8.0
	-3	-	-	-	-	-	-	-	-	3.7	4.3	6.6	9.5	2.5	2.9	4.3	7.0	-	-	-	-	2.2	2.5	3.7	5.8	6.7
2-piece Boom: 5.47m Dipper Arm: 2.45m Front outrigger Rear dozer blade	9	-	-	-	-	-	-	-	-	5.5	6.2	6.9*	6.9*	-	-	-	-	-	-	-	-	4.7	5.2	6.5*	6.5*	4.9
	7.5	-	-	-	-	-	-	-	-	-	-	-	-	3.6	4.0	5.4	6*	-	-	-	-	2.9	3.3	4.5	5.3*	6.7
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.6	4.0	5.4	5.9*	2.4	2.8	3.8	5.8	2.3	2.6	3.6	4.9*	7.8
	4.5	-	-	-	-	-	-	-	-	5.3	6.0	6.6*	6.6*	3.4	3.9	5.3	6.4*	2.4	2.7	3.8	5.8	2.0	2.2	3.1	4.7*	8.4
	3	-	-	-	-	-	-	-	-	4.8	5.5	7.8	9.3*	3.2	3.6	5.1	7.2*	2.3	2.6	3.6	5.6	1.8	2.0	2.9	4.4	8.8
	1.5	-	-	-	-	-	-	-	-	-	-	-	-	3.0	3.4	4.8	7.8	2.2	2.5	3.5	5.5	1.7	2.0	2.8	4.3	8.8
2-piece Boom: 5.47m Dipper Arm: 2.6m Front outrigger Rear dozer blade	0	-	-	-	-	-	-	-	-	4.1	4.7	6.9	11.7*	2.8	3.2	4.6	7.6	2.1	2.4	3.4	5.4	1.8	2.0	2.8	4.4	8.6
	-1.5	-	-	-	-	7.0	7.9*	7.9*	7.9*	4.0	4.6	6.8	11.4*	2.7	3.2	4.5	7.4	2.1	2.4	3.4	5.3	1.9	2.2	3.0	4.8	8.1
	-3	-	-	-	-	-	-	-	-	4.0	4.6	6.8	10.1*	2.8	3.2	4.5	7.4	-	-	-	-	2.2	2.6	3.6	5.8*	7.1
	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7*	7.7*	7.7*	7.7*	3.5
	7.5	-	-	-	-	-	-	-	-	5.5	6.9*	6.9*	6.9*	-	-	-	-	-	-	-	-	3.6	5.4*	5.2	5.4*	5.8
	6	-	-	-	-	-	-	-	-	5.4	7.1*	7.1*	7.1*	3.4	5.6	5.0	6.4*	-	-	-	-	2.6	4.3	3.8	4.8*	7.0
2-piece Boom: 5.47m Dipper Arm: 2.6m Front outrigger Rear dozer blade	4.5	-	-	-	-	-	-	-	-	5.1	8.3*	7.7	8.3*	3.3	5.4	4.8	6.8*	2.3	3.8	3.3	6.1*	2.2	3.6	3.2	4.5*	7.7
	3	-	-	-	-	-	-	-	-	4.6	8.1	7.1	10.0*	3.1	5.2	4.6	7.5*	2.2	3.7	3.3	6.3*	1.9	3.3	2.9	4.5*	8.1
	1.5	-	-	-	-	-	-	-	-	4.2	7.6	6.6	11.2*	2.9	5.0	4.4	8.1*	2.1	3.6	3.2	6.5*	1.9	3.2	2.8	4.6*	8.2
	0	-	-	-	-	-	-	-	-	4.0	7.4	6.4	11.4*	2.8	4.8	4.2	8.3*	2.0	3.6	3.1	6.4*	1.9	3.3	2.9	5.0*	7.9
	-1.5	-	-	-	-	-	-	-	-	4.0	7.4	6.4	10.6*	2.7	4.8	4.2	7.9*	-	-	-	-	2.1	3.6	3.2	5.7*	7.4
	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	7.0*	7.0*	7.0*	3.9

Notes: 1. Working pressure with Power Boost = 37.5 MPa. 2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground. 3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

LIFTING CAPACITY EW180E

At the arm end, without bucket and quick fit. For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. With heavy counterweight. **Unit: 1 000kg**

	Lifting point	Reach from machine centre (u = support up/d = support down)																									
		1.5 m				3.0 m				4.5 m				6.0 m				7.5 m				Max.					
		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Max.	
m	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	m		
2-piece Boom: 5.47m Dipper Arm: 3m Front outrigger Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	5.6	5.0	5.8*	-	-	-	-	3.0	4.2*	4.2*	4.2*	6.5
	6	-	-	-	-	-	-	-	-	5.6	5.8*	5.8*	5.8*	3.5	5.7	5.0	5.8*	2.3	3.8	3.4	4.4*	2.2	3.8	3.3	3.8*	7.6	
	4.5	-	-	-	-	5.8*	5.8*	5.8*	5.8*	5.2	6.8*	6.8*	6.8*	3.4	5.5	4.9	6.3*	2.3	3.8	3.4	5.7*	1.9	3.2	2.8	3.6*	8.3	
	3	-	-	-	-	-	-	-	-	4.8	8.2	7.2	9.2*	3.1	5.3	4.6	7.1*	2.2	3.7	3.3	6.0*	1.7	3.0	2.6	3.6*	8.6	
	1.5	-	-	-	-	-	-	-	-	4.3	7.7	6.7	10.8*	2.9	5.0	4.4	7.8*	2.1	3.6	3.2	6.3*	1.6	2.9	2.5	3.7*	8.7	
	0	-	-	-	-	-	-	-	-	4.0	7.4	6.4	11.4*	2.7	4.8	4.2	8.2*	2.0	3.5	3.1	6.4	1.7	3.0	2.6	4*	8.5	
	-1.5	-	-	-	-	7.2*	7.6*	7.6*	7.6*	3.9	7.3	6.3	10.9*	2.7	4.7	4.1	8.1*	2.0	3.5	3.0	6.1	1.8	3.2	2.8	4.5*	8.0	
	-3	-	-	-	-	-	-	-	-	4.0	7.3	6.4	9.5	2.7	4.8	4.2	7.0*	-	-	-	-	2.3	4.1	3.6	5.8	6.7	
	9	-	-	-	-	-	-	-	-	5.7	6.8*	6.8*	6.8*	-	-	-	-	-	-	-	-	-	4.9	6.5*	6.5*	6.5*	4.9
2-piece Boom: 5.47m Grab arm: 3.2m Front outrigger Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	3.7	5.9	5.3	5.9*	-	-	-	-	3.1	4.9	4.4	5.3*	6.7	
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.7	5.9	5.3	5.9*	2.6	4.1	3.6	5.8*	2.4	3.8	3.4	4.9*	7.8	
	4.5	-	-	-	-	-	-	-	-	5.5	6.6*	6.6*	6.6*	3.6	5.8	5.1	6.4*	2.5	4.1	3.6	5.8*	2.1	3.4	3.0	4.7*	8.4	
	3	-	-	-	-	-	-	-	-	5.0	8.5	7.5	9.2*	3.4	5.5	4.9	7.2*	2.4	4.0	3.5	6.2*	1.9	3.1	2.7	4.7*	8.8	
	1.5	-	-	-	-	-	-	-	-	-	-	-	-	3.1	5.2	4.6	8*	2.3	3.8	3.4	6.5*	1.8	3.0	2.7	4.9*	8.8	
	0	-	-	-	-	-	-	-	-	4.3	7.6	6.7	11.6*	3.0	5.1	4.4	8.5*	2.2	3.7	3.3	6.7*	1.8	3.1	2.7	5.2*	8.6	
	-1.5	-	-	-	-	7.4	7.8*	7.8*	7.8*	4.2	7.5	6.5	11.3*	2.9	5.0	4.4	8.4*	2.2	3.7	3.2	6.4*	2.0	3.3	2.9	5.6*	8.1	
	-3	-	-	-	-	-	-	-	-	4.2	7.5	6.6	10*	2.9	5.0	4.4	7.4*	-	-	-	-	2.4	4.0	3.5	5.7*	7.1	

Notes: 1. Working pressure with Power Boost = 37.5 MPa. 2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground. 3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

Equipment

STANDARD EQUIPMENT

Engine

Turbocharged, 4 stroke Volvo diesel engine with water cooling, direct injection and charged air cooler that meets EU Stage IV emission requirements

Intake air pre-heater

ECO- Modus

Fuel filter and water separator

Fuel filler pump: 50 l/min with automatic shut-off

Aluminium core radiator

Electric/Electronic control system

Contronics-computerized monitoring and diagnostic system

Master electrical disconnect switch

Adjustable automatic idling system

One-touch power boost

Adjustable monitor

Safety stop/start function

2 Frame mounted halogen lamps

Alternator, 120 A

Batteries, 2 x 12 V/140 Ah

Start motor, 24 V/5.5 kW

CareTrack via GSM

Rear view camera

Undercarriage

2-speed power transmission plus creep speed

Oscillating front axle $\pm 9^\circ$ with out mudguards/ 6° with mudguards

2-circuit travel brakes

Maintenance-free propeller shafts

Superstructure

LED Rear lights

Service walkway with anti-slip grating

Centralised lubricating point for slew bearing

Digging equipment

Attachment points for extra hydraulics

Centralised lubrication point

Cab and interior

Volvo Care Cab with fixed roof hatch /ROPS

Heater & air-conditioner, automatic

Hydraulic dampening cab mounts

Adjustable operator seat and joystick control console

Adjustable steering column

Hydraulic safety lock lever

Control joystick, with 5 switches each

Radio with USB

Cab, all-weather sound suppressed, includes:

Cup holder

Door locks

Safety glass, light tinted

Floor mat

Horn

Large storage area

Pull-up type front window

Removable lower windshield

Retractable seat belt

Windshield wiper with washer and intermittent feature

Operator programable switch on joystick

Sun shield, front, roof & rear

Master ignition key

Bluetooth

Hydraulic system

Load sensing hydraulic system

Cylinder cushioning

Cylinder contamination seals

Return filter of full flow type 2 000 h exchange interval

Pressure relief system (servo accumulator)

Proportional controlled visco-clutch cooling fan

Hose rupture valve for boom and arm

Hydraulic long life oil ISO VG46

OPTIONAL EQUIPMENT

Engine

Diesel coolant heater with digital timer

Block heater, 240 V

Water separator with heater

Dust net

Reversible fan

Air inlet turbo pre-cleaning system

Micro- mesh and sealing for engine compartment

Tropical cooling

Waste package

Electric / Electronic control system

Travel alarm

Rotating beacon

Extra work lights: (LED or halogen)

Service walkway 1 and counterweight 1

Boom-mounted 2

Cab front 2

Extra LED lights on arm and Cab (4)

Multi-channel electric centre passage

Anti-theft system

Tilting and rotating attachment preparation

Hydraulic system

Boom float function

Boom suspension system

Hydraulic oil, biodegradable ISO VG32 and ISO 46

Hydraulic long life oil ISO VG32 and ISO VG68

Hydraulic equipment for:

Hammer & shears

Slope bucket/rotator

Grab/clam shell

Quick fit

Flow control

Flow and pressure control

Cab and interior

Volvo Care Cab with openable PC roof hatch / ROPS

Tiltrotator Joystick

Proportional control joystick

On/off joystick

Falling object guard (FOG)

Cab mounted falling object protective structures (FOPS)

Rain shield, front

Side camera

Sunlight protection, roof hatch (steel)

Safety net for front window

Lower wiper

Anti-vandalism kit

OPTIONAL EQUIPMENT

Cab and interior

Steelwrist tiltrotator preparation

Volvo Smart View camera system

Ashtray

Lighter

Seat:

Mechanical Fabric seat, with/or without heater

Air suspension seat with heater and X isolator

Luxury operator seat with aico and wide armrest

Fixed cab raiser

Undercarriage

Undercarriage

Trailer Towing System

Twin tires 10.00 - 20 / 11.00 - 20

Single tires 18R - 19.5 / 620/40-22.5

Stone protection rings

Solid rubber tires 10.00-20/11.00-20

Front dozer blade and rear outriggers

Rear dozer blade

Front outriggers and rear dozer blade

4 outriggers

Grab holder

Mudguards, front/rear

Tool box, left hand side/right hand side

drawer type toolbox

Cruise control

Travel speed 20 km/h, 30 km/h, 35 km/h

Wide axle 2.75 m

Automatic digging brake

Digging equipment

Booms

5.2 m monoblock

5.47 m 2-piece boom

Dipper arms

2.45 m, 2.6 m, 3.0 m

3.2 m grab arm

Hydraulic quick fit

S-type system (S 1 / S70)

Universal system

Attachments

Buckets, direct fit and quick fit:

General Purpose bucket (GP)

Heavy Duty bucket

Slope bucket

Lifting eye

Tilt rotator Steelwrist

Service

Wheel chocks

Tool kit, daily maintenance

Automatic greasing system

Superstructure

License plate preparation

Selection of Volvo optional equipment

Luxury seat



Boom float



LED lights



Tilt rotator joysticks & monitor



Trailer Towing System



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.

VOLVO

Volvo Construction Equipment

www.volvoce.com