Volvo Construction Equipment
Building Tomorrow

EW160E

Volvo Excavators 16.2-18.2 t 115 kW





WELCOME TO OUR WORLD

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

Welcome to the world of Volvo Construction Equipment – we think you're going to like it here.

Working harder, working smarter

For over 180 years Volvo has been a pioneer in the design and manufacture of machines which set the standard for efficiency, performance and uptime. Across our range of excavators, wheel loaders and haulers, our reputation for engineering excellence is unrivalled, which means whatever your operation or application, we can provide a total fleet solution to help you succeed.

Building on our proud history, the Volvo Concept Lab continues to create cutting-edge ideas and innovative concepts, to ensure we offer customers machines which work harder and smarter long into the future.



Solutions for you

Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

Designed for your business

Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

There when you need us

Whether you're buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It's the basis of everything offered by Volvo Services, so you can be confident we've got you covered right from the start.

BUILDING TOMORROW

A vision of versatility

Made in Germany, the Volvo EW160E 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.



Comfort Drive Control

New for the Volvo wheeled excavator range, Comfort Drive Control gives the operator the opportunity to control the machine using the roller on the joystick, up to 20km/h. Enjoy easy operation with an array of functions at your fingertips. You can opt to integrate blade/outrigger controls in the left-hand joystick.



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 EW160E 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.



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.

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.



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 EW160E 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 optional cameras attached to three different corners of the machine – front, side and back – combine to create a bird’s eye view of the machine operating from above. The cameras also provide individual views 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. The view can be seen through main LCD display. And if you have Volvo Co-Pilot (together with Dig Assist), you can have this view as well.





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.



FLEXIBLE CONFIGURATIONS

Depending on your market and application, make the EW160E wheeled excavator perfect for your jobsite wtith flexible configurations. Tailor your machine to your precise specifications and get it delivered straight from the factory.

Flex your features

The EW160E 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 EW160E features Volvo's most powerful Stage V engine. The machine has also been designed and rigorously tested to reduce fuel consumption and increase your productivity.

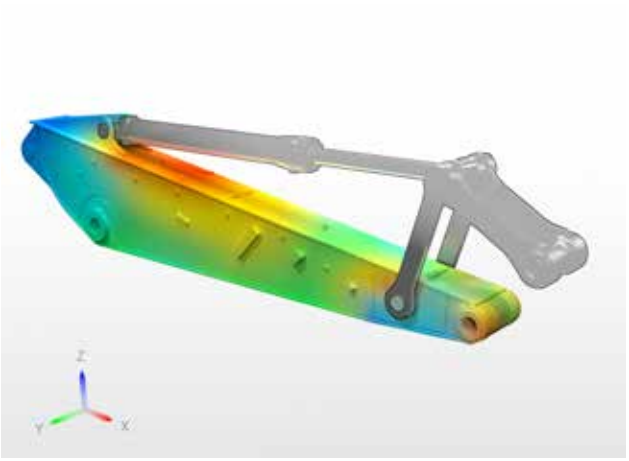
ECO mode

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



Design and testing

The Volvo EW160E 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 V engines are powerful and efficient, designed to reduce fuel consumption and increase your productivity. With advanced technology, save your business time and cost.



HYDRAULICALLY ELEVATED CAB

The hydraulically elevated Volvo Care Cab lifts the operator up to five meters above the ground at eye level, providing a wider field of vision to the entire job site for more productivity and safety.

No downtime to waste

Specifically for waste handling applications, the EW160E can be equipped with excellent features to ensure maximum productivity and durability on site. This tough environment can be counteracted with a EW160E excavator.

Waste handling package

A combination of three features, including the cyclonic engine precleaner, screened ventilation covers with additional sealing around side doors and reversible cooling fans all make waste handling more comfortable for the operator.



Special grab arms

Special grab arms for attachments (such as sorting grapples) don't require the use of a bucket cylinder. To operate these attachments, the bucket control function is used to open and close the grapple.

Solid rubber tyres

The solid rubber tyres are designed to meet the most demanding requirements and are manufactured using the latest construction techniques, to offer the industry's most durable, versatile and longlasting resilient tire.



Wide axles – 2.75 m

For better side stability the EW160E is optionally equipped with 2.75 m axles. The blade will automatically be 2.75 m wide, but the outriggers, however, are the same with wide or standard axles.



Configure your perfect excavator

Made in Germany

Designed, made and tested in Germany, the EW160E wheeled excavator is perfect for use anywhere in the world.

TRAILER HITCH

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

Mono boom, two piece boom

A wide range of boom options and arm lengths can be chosen according to jobsite requirements and market legislation.



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 EW160E wheeled excavator perfect for your jobsite with a range of flexible configurations.

BOOM SUSPENSION SYSTEM

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

Volvo Smart View

Get access to a bird's eye view of the operation in real-time, with Volvo Smart View – offered as a standalone screen or integrated into machine's display.

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.

HYDRAULICALLY ELEVATED CAB

The hydraulically elevated Volvo Care Cab lifts the operator by five meters above the ground at eye level for increased visibility.

ENGINE

Volvo's wheeled excavators with Stage V 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.

AdBlue®

Volvo offers a total AdBlue solution that is quality assured, cost efficient and easily accessible. Contact your Volvo dealer for more information.
® = registered trademark of the Verband der Automobilindustrie e.V. (VDA)

Heavy counterweight

A heavier counterweight for increased stability is available when using bulky attachments.



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 EW160E 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 inl 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.







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 EW160E in detail

Engine

Volvo Construction Equipment is ready to comply with the tough new EU Stage V 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/min	1 900
Net (ISO9249/SAEJ1349)	kW	112
	hp	152
Gross (ISO 14396/SAE J1995)	kW	115
	hp	156
Max. torque	Nm	716
at engine speed	r/min	1 400
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/Ah	28/120
Alternator rating	W	3 360

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.

Oscillation	± °	9
with mudguards	± °	6
Twin wheels	type	10-20
Tractive force (net)	kN	111
Travel speed, on road	km/h	20.0 / 30.0 / 35.0
Travel speed, off road	km/h	5.0 / 7.4 / 8.7
Travel speed, creep	km/h	4
Min. turning radius	m	7.3

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.

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.

Main pump (Low noise axial piston pump)		
Max. flow	l/min	275
Brake + steering pump (Low noise gear pump)		
Max. flow	l/min	36
Servo pump (Low noise gear pump)		
Max. flow	l/min	15
Relief valve setting pressure		
Implement	MPa	34 / 37.5
Travel system	MPa	38
Pilot system	MPa	3.5

Brake system

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.

Swing system

The superstructure is slewed by the means of a radial piston motor without reduction gear.
Automatic slew holding brake and anti-rebound valve are standard.

Max. slew speed	r/min	9
Max. slew torque	kNm	50.4

Total Machine Weights

Machine with 5.0 m monoblock boom, 2.45 m dipper arm, quickfit S6, 530 kg / 780 l bucket. Standard counterweight.		
With dozer blade front and outriggers rear	kg	17 250
With dozer blade rear only	kg	16 200
With front and rear outriggers	kg	17 500
Machine with 5.1m 2-piece boom, 2.45 m dipper arm, quickfit S6, 530 kg / 780 l bucket. Standard counterweight.		
With dozer blade front and outriggers rear	kg	17 600
With dozer blade rear only	kg	16 550
With front and rear outriggers	kg	17 850

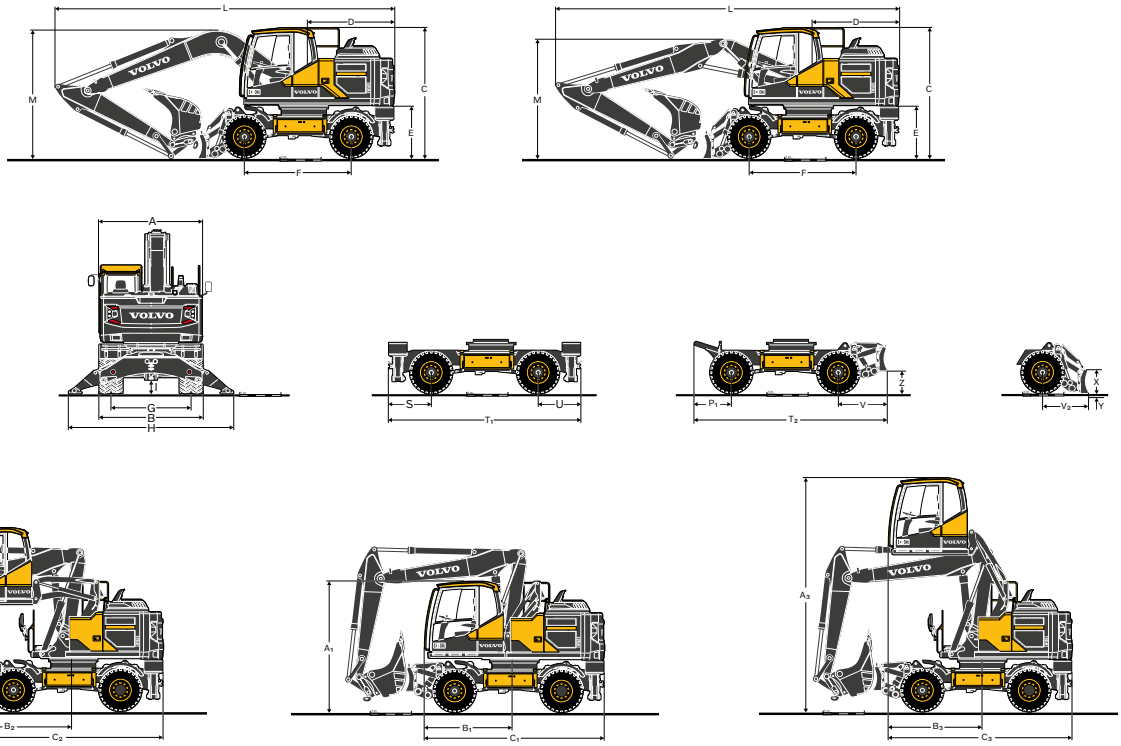
Service Refill

Fuel tank	l	250
DEF/AdBlue® tank	l	25
Hydraulic system, total	l	250
Hydraulic tank	l	123
Engine oil	l	25
Engine coolant	l	33
Transmission	l	2.5
Axle differential:		
Front axle	l	9.5
Rear axle	l	12.5
Final drive	l	4 x 2.5

Sound Level

Sound pressure level (LpA) at operator position (Measurement according to ISO 6396)		
LpA	dB	70.00
Sound power level (LWA) around the machine (Measurement according to 2000/14/ EC with applicable appendices and measuring method according to ISO 6395)		
LWA	dB	100.00

Specifications



DIMENSIONS

Description		Unit	Mono boom	2-piece boom
		m	5.0	5.1
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	3 140	3 140
D	Tail slew radius	mm	2 190	2 190
E	Counterweight clearance	mm	1 260	1 260
F	Wheel base	mm	2 600	2 600
G	Tread	mm	1 940	1 940
H	Outrigger width (front or rear)	mm	3 980	3 980
I	Min. ground clearance	mm	360	360

DIMENSIONS

Description		Unit	Mono boom				
		m	5.0				
			Arm				Grab Arm
		m	2.0	2.45	2.6	3.1	2.95*
L	Overall length	mm	8 240	8 250	8 240	7 940	8 255*
M	Overall height of boom	mm	3 070	3 040	3 200	3 700	3 155*
L_1	Overall length	mm	-	-	-	-	-
M_1	Overall height of boom	mm	-	-	-	-	-
N	Front overhang	mm	-	-	-	-	-

DIMENSIONS

Description		Unit	2-piece boom				
		m	5.1				
			Arm				Grab Arm
		m	2.0	2.45	2.6	3.1	2.95*
L	Overall length	mm	8 330	8 360	8 360	8 150	8 350*
M	Overall height of boom	mm	2 865	2 860	2 900	3 390	2 950*
L_1	Overall length	mm	6 440	6 440	5 960**	5 950**	6 900*
M_1	Overall height of boom	mm	3 920	3 920	3 920**	3 940**	3 990*
N	Front overhang	mm	3 200	3 215	2 715**	2 710**	3 660*

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

*** For machines equipped with twin HBI Delcora tires 315/70 R 22.5: dimension B = 2 560 mm OR with single Alliance tire 620/40R 22.5, dimension B= 2 570 mm

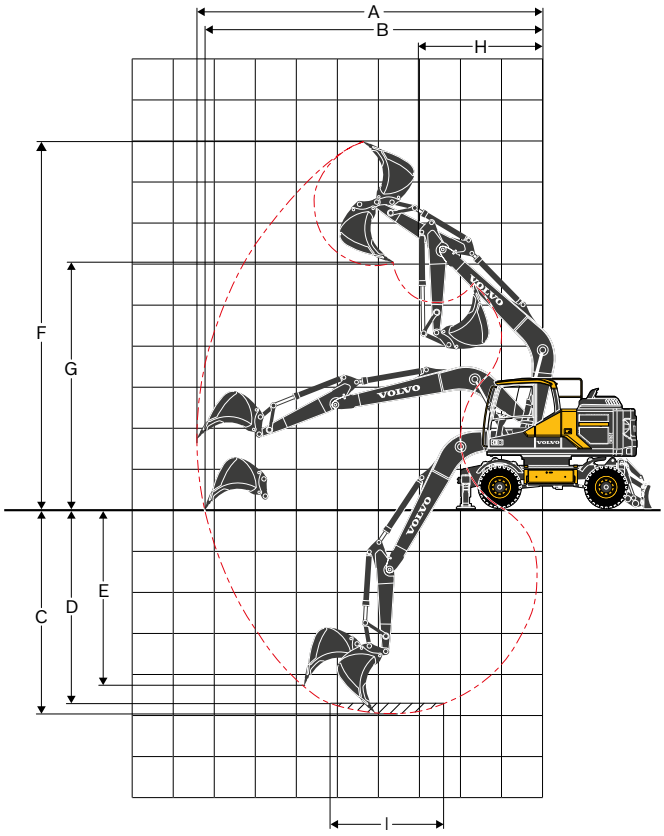
DIMENSIONS

Description	Unit	Undercarriage dimensions
P	mm	1 180
P_1	mm	750
Q	mm	1 150
R/U	mm	1 030
S	mm	1 080
T	mm	4 800
T_1	mm	4 700
T_2	mm	4 470
V	mm	1 120
V_2	mm	920
X	mm	630
Y	mm	153
Z	mm	520

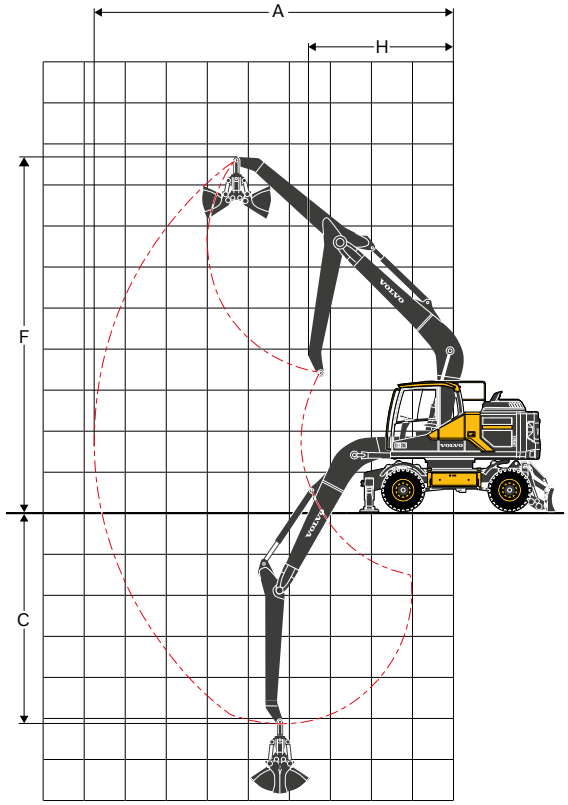
DIMENSIONS

Description	Unit	Hydraulic Elevated Cab
A_1	mm	3 150
B_1	mm	2 160
C_1	mm	4 360
A_2	mm	4 410
B_2	mm	2 900
C_2	mm	5 100
A_3	mm	5 650
B_3	mm	2 250
C_3	mm	4 440

Specifications



Mono boom 5.0 m and dipper arm 2.0 m, 2.45 m, 2.6 m, 3.1 m



Monoboom 5.0 m and grab arm 2.95 m

WORKING RANGES WITH DIRECT FIT BUCKET

			5.0 boom				
		Unit	Arm				Grab arm
		m	2.0	2.45	2.6	3.1	2.95*
A	Max. digging reach	mm	8 600	9 000	9 150	9 620	8 050
B	Max. digging reach on ground	mm	8 400	8 810	8 960	9 450	-
C	Max. digging depth	mm	5 130	5 580	5 730	6 230	4 590
D	Max. digging depth (I = 2 440 mm level)	mm	4 910	5 400	5 550	6 070	-
E	Max. vertical wall digging depth	mm	4 320	4 770	4 920	5 400	
F	Max. cutting height	mm	8 840	9 100	9 190	9 470	8 090
G	Max. dumping height	mm	5 900	6 150	6 230	6 520	-
H	Min. front slew radius	mm	3 140	3 150	3 160	3 190	3 270

* without clamshell bucket

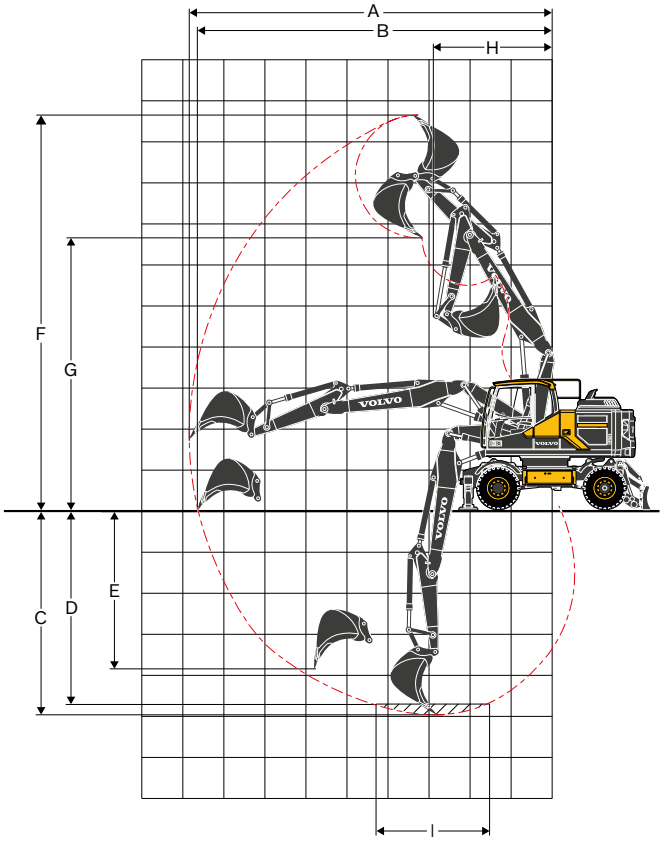
DIGGING FORCES WITH DIRECT FIT BUCKET

Breakout force (bucket)	(ISO)	kN	126*	126*	126*	126*	-
Tearout force	(ISO)	kN	98*	86*	82*	72*	-

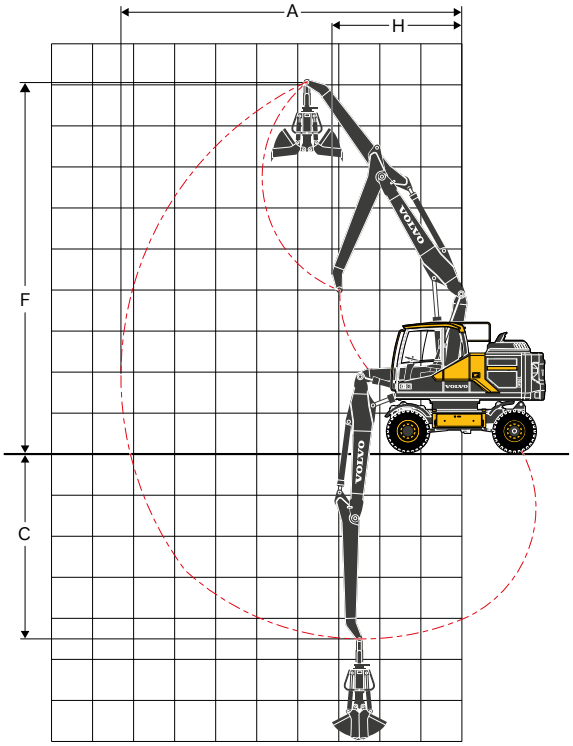
* with powerboost

Max. recommended sizes for direct fit buckets						
GP-Bucket (1.8 t/m³)	l	1 100	957	957	858	-
HD-Bucket (2.1 t/m³)	l	770	770	770	682	-
Max. recommended sizes for quick fit buckets						
S6/S60 QF GP-Bucket (1.8 t/m³)	l	870	780	780	700	-
S6 QF HD-Bucket (2.1 t/m³)	l	700	700	620	500	-
S1 QF GP-Bucket (1.8 t/m³)	l	870	780	700	620	-
S1 QF HD-Bucket (2.1 t/m³)	l	700	620	620	360	-

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. | 3. “Max permitted sizes” are for heavy counterweight.



2-piece boom 5.1m and dipper arm 2.0m, 2.45m, 2.6m, 3.1m



2-piece boom 5.1m and grab arm 2.95m

WORKING RANGES WITH DIRECT FIT BUCKET

			5.1 m 2-piece boom				
		Unit	Arm				Grab arm
		m	2.0	2.45	2.6	3.1	2.95*
A	Max. digging reach	mm	8 720	9 150	9 300	9 770	8 200
B	Max. digging reach on ground	mm	8 520	8 960	9 110	9 600	-
C	Max. digging depth	mm	5 120	5 570	5 720	6 220	4 600
D	Max. digging depth (I = 2 440 mm level)	mm	5 020	5 470	5 620	6 120	-
E	Max. vertical wall digging depth	mm	4 080	4 550	4 700	5 180	-
F	Max. cutting height	mm	9 640	10 000	10 100	10 450	9 000
G	Max. dumping height	mm	6 670	7 000	7 110	7 480	-
H	Min. front slew radius	mm	2 690	2 820	2 860	3 000	3 010

* without clamshell bucket

DIGGING FORCES WITH DIRECT FIT BUCKET

Breakout force (bucket)	(ISO)	kN	126*	126*	126*	126*	-
Tearout force	(ISO)	kN	98*	86*	82*	72*	-

* with powerboost

Max. recommended sizes for direct fit buckets						
GP-Bucket (1.8 t/m³)	l	957	957	858	770	-
HD-Bucket (2.1 t/m³)	l	770	770	770	682	-
Max. recommended sizes for quick fit buckets						
S6/S60 QF GP-Bucket (1.8 t/m³)	l	870	780	780	700	-
S6 QF HD-Bucket (2.1 t/m³)	l	700	620	620	500	-
S1 QF GP-Bucket (1.8 t/m³)	l	870	700	700	620	-
S1 QF HD-Bucket (2.1 t/m³)	l	700	620	620	360	-

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. | 3. “Max permitted sizes” are for heavy counterweight.

Specifications

LIFTING CAPACITY EW160E with heavy counterweight

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 couterweight. **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: 2m Front dozer blade Rear outrigger	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	4*	4*	4*	5.7
	4.5	-	-	-	-	-	-	-	-	4.3	5.3*	5.3*	5.3*	2.8	4.6	4.2	4.7*	-	-	-	-	2.4	3.8*	3.7	3.8*	6.5
	3	-	-	-	-	-	-	-	-	4	6.6*	6.4	6.6*	2.6	4.5	4.1	5.2*	-	-	-	-	2.1	3.6	3.3	3.9*	7
	1.5	-	-	-	-	-	-	-	-	3.7	6.7	6.1	7.7*	2.5	4.4	4	5.7*	-	-	-	-	2	3.4	3.1	4.1*	7.1
	0	-	-	-	-	-	-	-	-	3.6	6.5	5.9	8.2*	2.5	4.3	3.9	6*	-	-	-	-	2.1	3.6	3.3	4.7*	6.8
	-1.5	-	-	-	-	6.5	11.4*	11.4*	11.4*	3.6	6.5	5.9	7.9*	2.4	4.3	3.9	5.7*	-	-	-	-	2.3	4.1	3.7	5.4*	6.2
	-3	-	-	-	-	6.7	9.4*	9.4*	9.4*	3.7	6.6*	6	6.6*	-	-	-	-	-	-	-	-	3.1	5.5*	5	5.5*	5.1
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono Boom: 5m Dipper arm: 2.45m Front dozer blade Rear outrigger	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7*	3.7*	3.7*	3.7*	4.8
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.8	4*	4*	4*	-	-	-	-	2.7	3.2*	3.2*	3.2*	6.2
	4.5	-	-	-	-	-	-	-	-	4.3	4.8*	4.8*	4.8*	2.8	4.3*	4.3	4.3*	-	-	-	-	2.1	3*	3*	3*	7
	3	-	-	-	-	-	-	-	-	4	6.1*	6.1*	6.1*	2.6	4.5	4.1	4.9*	-	-	-	-	1.9	3.1*	3	3.1*	7.4
	1.5	-	-	-	-	-	-	-	-	3.7	6.7	6.1	7.4*	2.5	4.3	4	5.5*	1.8	3.1	2.9	3.3*	1.8	3.1	2.9	3.2*	7.5
	0	-	-	-	-	6*	6*	6*	6*	3.6	6.5	5.9	8.1*	2.4	4.2	3.9	5.9*	-	-	-	-	1.9	3.2	2.9	3.6*	7.3
	-1.5	6.2*	6.2*	6.2*	6.2*	6.4	10.9*	10.9*	10.9*	3.5	6.5	5.9	8*	2.4	4.2	3.8	5.8*	-	-	-	-	2.1	3.6	3.3	4.4*	6.7
	-3	-	-	-	-	6.5	10.3*	10.3*	10.3*	3.6	6.5	5.9	7.1*	-	-	-	-	-	-	-	-	2.6	4.6	4.2	5.2*	5.7
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono Boom: 5m Dipper arm: 2.6m Front dozer blade Rear outrigger	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4*	3.4*	3.4*	3.4*	5
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.8	4*	4*	4*	-	-	-	-	2.5	2.9*	2.9*	2.9*	6.4
	4.5	-	-	-	-	-	-	-	-	4.4	4.6*	4.6*	4.6*	2.8	4.2*	4.2*	4.2*	-	-	-	-	2.1	2.8*	2.8*	2.8*	7.2
	3	-	-	-	-	-	-	-	-	4	5.9*	5.9*	5.9*	2.6	4.5	4.1	4.8*	1.9	3.2	2.9	3.3*	1.8	2.8*	2.8*	2.8*	7.6
	1.5	-	-	-	-	-	-	-	-	3.7	6.7	6.1	7.2*	2.5	4.3	4	5.4*	1.8	3.1	2.8	4.1*	1.7	3*	2.8	3*	7.6
	0	-	-	-	-	6.2*	6.2*	6.2*	6.2*	3.5	6.5	5.9	8*	2.4	4.2	3.9	5.8*	-	-	-	-	1.8	3.1	2.8	3.4*	7.4
	-1.5	6*	6*	6*	6*	6.3	10.5*	10.5*	10.5*	3.5	6.4	5.8	8.1*	2.4	4.2	3.8	5.9*	-	-	-	-	2	3.5	3.2	4.1*	6.9
	-3	-	-	-	-	6.4	10.6*	10.6*	10.6*	3.5	6.5	5.9	7.2*	-	-	-	-	-	-	-	-	2.5	4.4	4	5.1*	5.9
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-*	-*	-*	-	-	-	-	-	-	-*	-*	-
Mono Boom: 5m Dipper arm: 3.1m Front dozer blade Rear outrigger	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6*	2.6*	2.6*	2.6*	5.7
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.9	3.5*	3.5*	3.5*	-	-	-	-	2.2	2.4*	2.4*	2.4*	6.9
	4.5	-	-	-	-	-	-	-	-	-	-	-	-	2.8	3.8*	3.8*	3.8*	1.9	2.9*	2.9*	2.9*	1.8	2.3*	2.3*	2.3*	7.7
	3	-	-	-	-	7.6	7.7*	7.7*	7.7*	4.1	5.3*	5.3*	5.3*	2.7	4.4*	4.2	4.4*	1.9	3.2	2.9	4*	1.6	2.3*	2.3*	2.3*	8
	1.5	-	-	-	-	-	-	-	-	3.8	6.8*	6.2	6.8*	2.5	4.4	4	5.1*	1.8	3.1	2.8	4.3*	1.6	2.4*	2.4*	2.4*	8.1
	0	-	-	-	-	6.3	6.6*	6.6*	6.6*	3.5	6.5	5.9	7.8*	2.4	4.2	3.8	5.7*	1.7	3	2.8	4.5*	1.6	2.7*	2.6	2.7*	7.9
	-1.5	5.3*	5.3*	5.3*	5.3*	6.2	9.6*	9.6*	9.6*	3.4	6.4	5.8	8.1*	2.3	4.1	3.8	5.9*	-	-	-	-	1.7	3.1	2.8	3.1*	7.4
	-3	9*	9*	9*	9*	6.3	11.3*	11.3*	11.3*	3.5	6.4	5.8	7.6*	2.3	4.2	3.8	5.4*	-	-	-	-	2.1	3.7	3.4	4.2*	6.5
	-4.5	-	-	-	-	6.6	8.6*	8.6*	8.6*	3.6	5.7*	5.7*	5.7*	-	-	-	-	-	-	-	-	3.2	4.8*	4.8*	4.8*	4.9
Mono Boom: 5m Grab Arm: 2.95m Front dozer blade Rear outrigger	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2*	3.2*	3.2*	3.2*	5.6
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.1	4*	4*	4*	-	-	-	-	2.5	2.8*	2.8*	2.8*	6.8
	4.5	-	-	-	-	-	-	-	-	-	-	-	-	3	4.2*	4.2*	4.2*	2.1	3.1*	3.1*	3.1*	2.1	2.7*	2.7*	2.7*	7.6
	3	-	-	-	-	-	-	-	-	4.3	5.8*	5.8*	5.8*	2.9	4.8	4.4	4.8*	2.1	3.4	3.2	4.4*	1.9	2.7*	2.7*	2.7*	8
	1.5	-	-	-	-	-	-	-	-	4	7	6.4	7.2*	2.8	4.6	4.2	5.5*	2	3.3	3.1	4.7*	1.8	2.8*	2.8	2.8*	8
	0	-	-	-	-	6.1*	6.1*	6.1*	6.1*	3.8	6.8	6.2	8.2*	2.6	4.5	4.1	6*	2	3.3	3	4.9*	1.9	3*	2.9	3*	7.8
	-1.5	5.3*	5.3*	5.3*	5.3*	6.6	9.6*	9.6*	9.6*	3.7	6.7	6.1	8.4*	2.6	4.4	4	6.2*	-	-	-	-	2	3.4	3.1	3.5*	7.3
	-3	9.3*	9.3*	9.3*	9.3*	6.7	11.4*	11.4*	11.4*	3.8	6.7	6.1	7.8*	2.6	4.4	4.1	5.6*	-	-	-	-	2.4	4.1	3.8	4.5*	6.4
	-4.5	-	-	-	-	-	-	-	-	3.9	5.6*	5.6*	5.6*	-	-	-	-	-	-	-	-	3.8	5.4*	5.4*	5.4*	4.6
Mono Boom: 5m Arm: 2m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	4*	4*	4*	5.7
	4.5	-	-	-	-	-	-	-	-	4.3	5.3*	5.3*	5.3*	2.8	4.7*	4.2	4.7*	-	-	-	-	2.4	3.8*	3.7	3.8*	6.5
	3	-	-	-	-	-	-	-	-	4	6.6*	6.4	6.6*	2.7	5.2*	4.1	5.2*	-	-	-	-	2.1	3.9*	3.2	3.9*	7
	1.5	-	-	-	-	-	-	-	-	3.8	7.7*	6.1	7.7*	2.6	5.6	4	5.7*	-	-	-	-	2	4.1*	3.1	4.1*	7.1
	0	-	-	-	-	-	-	-	-	3.6	8.2*	5.9	8.2*	2.5	5.5	3.9	6*	-	-	-	-	2.1	4.6	3.2	4.7*	6.8
	-1.5	-	-	-	-	6.6	11.4*	11.4*	11.4*	3.6	7.9*	5.9	7.9*	2.5	5.5	3.9	5.7*	-	-	-	-	2.4	5.2	3.7	5.4*	6.2
	-3	-	-	-	-	6.8	9.4*	9.4*	9.4*	3.7	6.6*	6	6.6*	-	-	-	-	-	-	-	-	3.2	5.5*	5	5.5*	5.1
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono Boom: 5m Dipper arm: 2.45m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7*	3.7*	3.7*	3.7*	4.8
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.8	4*	4*	4*	-	-	-	-	2.7	3.2*	3.2*	3.2*	6.2
	4.5	-	-	-	-	-	-	-	-	4.4	4.8*	4.8*	4.8*	2.8	4.3*	4.2	4.3*	-	-	-	-	2.2	3*	3*	3*	7
	3	-	-	-	-	-	-	-	-	4.1	6.1*	6.1*	6.1*	2.7	4.9*	4.1	4.9*	-	-	-	-	1.9	3.1*	2.9	3.1*	7.4
	1.5	-	-	-	-	-	-	-	-	3.8	7.4*	6.1	7.4*	2.5	5.5*	4	5.5*	1.8	3.3*	2.8	3.3*	1.8	3.2*	2.8	3.2*	7.5
	0	-	-	-	-	6*	6*	6*	6*	3.6	8.1*	5.9	8.1*	2.4	5.5	3.8	5.9*	-	-	-	-	1.9	3.6*	2.9	3.6*	7.3
	-1.5	6.2*	6.2*	6.2*	6.2*	6.4	10.9*	10.9*	10.9*	3.6	8*	5.8	8*	2.4	5.4	3.8	5.8*	-	-	-	-	2.1	4.4*	3.3	4.4*	6.7
	-3	-	-	-	-	6.6	10.3*	10.3*	10.3*	3.6	7.1*	5.9	7.1*	-	-	-	-	-	-	-	-	2.7	5.2*	4.2	5.2*	5.7
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono Boom: 5m Dipper arm: 2.6m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4*	3.4*	3.4*	3.4*	5
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.9	4*	4*	4*	-	-	-	-	2.6	2.9*	2.9*	2.9*	6.4
	4.5	-	-	-	-	-	-	-	-	4.4	4.6*	4.6*	4.6*	2.8	4.2*	4.2*	4.2*	-	-	-	-	2.1	2.8*	2.8*	2.8*	7.2
	3	-	-	-	-	-	-	-	-	4.1	5.9*	5.9*	5.9*	2.7	4.8*	4.1	4.8*	1.9	3.3*	2.9	3.3*	1.9	2.8*	2.8*	2.8*	7.6
	1.5	-	-	-	-	-	-	-	-	3.8	7.2*	6.1	7.2*	2.5	5.4*	3.9	5.4*	1.8	4	2.8	4.1*	1.8	3*	2.7	3*	7.6
	0	-	-	-	-	6.2*	6.2*	6.2*	6.2*	3.6	8*	5.9	8*	2.4	5.5	3.8	5.8*	-	-	-	-	1.8	3.4*	2.8	3.4*	7.4
	-1.5	6*	6*	6*	6*	6.4	10.5*	10.5*	10.5*	3.5	8.1*	5.8	8.1*	2.4	5.4	3.8	5.9*	-	-	-	-	2	4.1*	3.2	4.1*	6.9
	-3	-	-	-	-	6.5	10.6*	10.6*	10.6*	3.6	7.2*	5.9	7.2*	-	-	-	-	-	-	-	-	2.5	5.1*	4	5.1*	5.9
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-*	-*	-*	-	-	-	-	-	-	-	-	-

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 EW160E with heavy counterweight

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 couterweight. **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: 3.1m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6*	2.6*	2.6*	2.6*	5.7
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.9	3.5*	3.5*	3.5*	-	-	-	-	2.2	2.4*	2.4*	2.4*	6.9
	4.5	-	-	-	-	-	-	-	-	-	-	-	-	2.8	3.8*	3.8*	3.8*	1.9	2.9*	2.9*	2.9*	1.9	2.3*	2.3*	2.3*	7.7
	3	-	-	-	-	7.7	7.7*	7.7*	7.7*	4.2	5.3*	5.3*	5.3*	2.7	4.4*	4.1	4.4*	1.9	4*	2.9	4*	1.7	2.3*	2.3*	2.3*	8
	1.5	-	-	-	-	-	-	-	-	3.8	6.8*	6.1	6.8*	2.5	5.1*	4	5.1*	1.8	4	2.8	4.3*	1.6	2.4*	2.4*	2.4*	8.1
	0	-	-	-	-	6.4	6.6*	6.6*	6.6*	3.6	7.8*	5.9	7.8*	2.4	5.5	3.8	5.7*	1.8	3.9	2.8	4.5*	1.6	2.7*	2.6	2.7*	7.9
	-1.5	5.3*	5.3*	5.3*	5.3*	6.3	9.6*	9.6*	9.6*	3.5	8.1*	5.8	8.1*	2.3	5.4	3.8	5.9*	-	-	-	-	1.8	3.1*	2.8	3.1*	7.4
	-3	9*	9*	9*	9*	6.4	11.3*	11.3*	11.3*	3.5	7.6*	5.8	7.6*	2.4	5.4	3.8	5.4*	-	-	-	-	2.2	4.2*	3.4	4.2*	6.5
	-4.5	-	-	-	-	6.7	8.6*	8.6*	8.6*	3.7	5.7*	5.7*	5.7*	-	-	-	-	-	-	-	-	3.2	4.8*	4.8*	4.8*	4.9
Mono Boom: 5m Grab arm: 2.95m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2*	3.2*	3.2*	3.2*	5.6
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.1	4*	4*	4*	-	-	-	-	2.5	2.8*	2.8*	2.8*	6.8
	4.5	-	-	-	-	-	-	-	-	-	-	-	-	3.1	4.2*	4.2*	4.2*	2.2	3.1*	3.1*	3.1*	2.1	2.7*	2.7*	2.7*	7.6
	3	-	-	-	-	-	-	-	-	4.4	5.8*	5.8*	5.8*	2.9	4.8*	4.4	4.8*	2.1	4.3	3.1	4.4*	1.9	2.7*	2.7*	2.7*	8
	1.5	-	-	-	-	-	-	-	-	4.1	7.2*	6.4	7.2*	2.8	5.5*	4.2	5.5*	2.1	4.2	3.1	4.7*	1.9	2.8*	2.8	2.8*	8
	0	-	-	-	-	6.1*	6.1*	6.1*	6.1*	3.9	8.2*	6.1	8.2*	2.7	5.7	4.1	6*	2	4.2	3	4.9*	1.9	3*	1.8	3*	7.8
	-1.5	5.3*	5.3*	5.3*	5.3*	6.6	9.6*	9.6*	9.6*	3.8	8.4*	6	8.4*	2.6	5.7	4	6.2*	-	-	-	-	2.1	3.5*	3.1	3.5*	7.3
	-3	9.3*	9.3*	9.3*	9.3*	6.7	11.4*	11.4*	11.4*	3.8	7.8*	6.1	7.8*	2.6	5.6*	4.1	5.6*	-	-	-	-	2.5	4.5*	3.8	4.5*	6.4
	-4.5	-	-	-	-	-	-	-	-	4	5.6*	5.6*	5.6*	-	-	-	-	-	-	-	-	3.9	5.4*	5.4*	5.4*	4.6
Mono Boom: 5m Dipper Arm: 2m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	3.3	4*	4*	5.7
	4.5	-	-	-	-	-	-	-	-	4.1	4.6	5.3*	5.3*	2.6	2.9	4.2	4.7*	-	-	-	-	2.2	2.5	3.7	3.8*	6.5
	3	-	-	-	-	-	-	-	-	3.8	4.3	6.4	6.6*	2.5	2.8	4.1	5.2*	-	-	-	-	2	2.2	3.2	3.9*	7
	1.5	-	-	-	-	-	-	-	-	3.5	4	6.1	7.7*	2.4	2.7	4	5.7*	-	-	-	-	1.9	2.1	3.1	4.1*	7.1
	0	-	-	-	-	-	-	-	-	3.4	3.9	5.9	8.2*	2.3	2.6	3.9	6*	-	-	-	-	1.9	2.2	3.2	4.7*	6.8
	-1.5	-	-	-	-	6.1	7.2	11.4*	11.4*	3.4	3.9	5.9	7.9*	2.3	2.6	3.9	5.7*	-	-	-	-	2.2	2.5	3.7	5.4*	6.2
	-3	-	-	-	-	6.3	7.4	9.4*	9.4*	3.5	4	6	6.6*	-	-	-	-	-	-	-	-	3	3.4	5	5.5*	5.1
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono Boom: 5m Arm: 2.45m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7*	3.7*	3.7*	3.7*	4.8
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.7	3	4*	4*	-	-	-	-	2.5	2.8	3.2*	3.2*	6.2
	4.5	-	-	-	-	-	-	-	-	4.1	4.6	4.8*	4.8*	2.6	3	4.2	4.3*	-	-	-	-	2	2.3	3*	3*	7
	3	-	-	-	-	-	-	-	-	3.8	4.3	6.1*	6.1*	2.5	2.8	4.1	4.9*	-	-	-	-	1.8	2	2.9	3.1*	7.4
	1.5	-	-	-	-	-	-	-	-	3.5	4	6.1	7.4*	2.4	2.7	4	5.5*	1.7	1.9	2.8	3.3*	1.7	1.9	2.8	3.2*	7.5
	0	-	-	-	-	6	6*	6*	6*	3.3	3.8	5.9	8.1*	2.3	2.6	3.8	5.9*	-	-	-	-	1.7	2	2.9	3.6*	7.3
	-1.5	6.2*	6.2*	6.2*	6.2*	6	7	10.9*	10.9*	3.3	3.8	5.8	8*	2.2	2.6	3.8	5.8*	-	-	-	-	1.9	2.2	3.3	4.4*	6.7
	-3	-	-	-	-	6.1	7.2	10.3*	10.3*	3.4	3.9	5.9	7.1*	-	-	-	-	-	-	-	-	2.5	2.8	4.2	5.2*	5.7
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono Boom: 5m Dipper arm: 2.6m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4*	3.4*	3.4*	3.4*	5
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.7	3	4*	4*	-	-	-	-	2.4	2.7	2.9*	2.9*	6.4
	4.5	-	-	-	-	-	-	-	-	4.1	4.6*	4.6*	4.6*	2.6	3	4.2*	4.2*	-	-	-	-	1.9	2.2	2.8*	2.8*	7.2
	3	-	-	-	-	-	-	-	-	3.8	4.3	5.9*	5.9*	2.5	2.8	4.1	4.8*	1.7	2	2.9	3.3*	1.7	1.9	2.8*	2.8*	7.6
	1.5	-	-	-	-	-	-	-	-	3.5	4	6.1	7.2*	2.3	2.7	4	5.4*	1.7	1.9	2.8	4.1*	1.6	1.9	2.7	3*	7.6
	0	-	-	-	-	5.9	6.2*	6.2*	6.2*	3.3	3.8	5.9	8*	2.2	2.6	3.8	5.8*	-	-	-	-	1.7	1.9	2.8	3.4*	7.4
	-1.5	6*	6*	6*	6*	5.9	7	10.5*	10.5*	3.3	3.8	5.8	8.1*	2.2	2.5	3.8	5.9*	-	-	-	-	1.9	2.1	3.2	4.1*	6.9
	-3	-	-	-	-	6.1	7.1	10.6*	10.6*	3.3	3.8	5.9	7.2*	-	-	-	-	-	-	-	-	2.3	2.7	4	5.1*	5.9
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono Boom: 5m Dipper arm: 3.1m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6*	2.6*	2.6*	2.6*	5.7
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.7	3.1	3.5*	3.5*	-	-	-	-	2.1	2.4	2.4*	2.4*	6.9
	4.5	-	-	-	-	-	-	-	-	-	-	-	-	2.7	3	3.8*	3.8*	1.8	2	2.9*	2.9*	1.7	2	2.3*	2.3*	7.7
	3	-	-	-	-	7.2	7.7*	7.7*	7.7*	3.9	4.4	5.3*	5.3*	2.5	2.9	4.1	4.4*	1.7	2	2.9	4*	1.5	1.8	2.3*	2.3*	8
	1.5	-	-	-	-	-	-	-	-	3.6	4.1	6.1	6.8*	2.4	2.7	4	5.1*	1.7	1.9	2.8	4.3*	1.5	1.7	2.4*	2.4*	8.1
	0	-	-	-	-	5.9	6.6*	6.6*	6.6*	3.3	3.8	5.9	7.8*	2.2	2.6	3.8	5.7*	1.6	1.9	2.8	4.5*	1.5	1.7	2.6	2.7*	7.9
	-1.5	5.3*	5.3*	5.3*	5.3*	5.8	6.9	9.6*	9.6*	3.2	3.7	5.8	8.1*	2.2	2.5	3.8	5.9*	-	-	-	-	1.6	1.9	2.8	3.1*	7.4
	-3	9*	9*	9*	9*	5.9	7	11.3*	11.3*	3.2	3.7	5.8	7.6*	2.2	2.5	3.8	5.4*	-	-	-	-	2	2.3	3.4	4.2*	6.5
	-4.5	-	-	-	-	6.2	7.3	8.6*	8.6*	3.4	3.9	5.7*	5.7*	-	-	-	-	-	-	-	-	3	3.4	4.8*	4.8*	4.9
Mono Boom: 5m Grab arm: 2.95m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2*	2.1	3.2*	3.2*	5.6
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.9	2	4*	4*	-	-	-	-	2.4	1.5	2.8*	2.8*	6.8
	4.5	-	-	-	-	-	-	-	-	-	-	-	-	2.9	1.9	4.2*	4.2*	2	1.3	3.1*	3.1*	2	1.3	2.7*	2.7*	7.6
	3	-	-	-	-	-	-	-	-	4.1	2.7	5.8*	5.8*	2.8	1.8	4.4	4.8*	2	1.3	3.1	4.4*	1.8	1.1	2.7*	2.7*	8
	1.5	-	-	-	-	-	-	-	-	3.8	2.4	6.4	7.2*	2.6	1.7	4.2	5.5*	1.9	1.2	3.1	4.7*	1.7	1.1	2.8	2.8*	8
	0	-	-	-	-	6.1*	3.5	6.1*	6.1*	3.6	2.2	6.1	8.2*	2.5	1.5	4.1	6*	1.9	1.2	3	4.9*	1.8	1.1	2.8	3*	7.8
	-1.5	5.3*	5.3*	5.3*	5.3*	6.2	3.5	9.6*	9.6*	3.5	2.1	6	8.4*	2.4	1.5	4	6.2*	-	-	-	-	1.9	1.2	3.1	3.5*	7.3
	-3	9.3*	9.3*	9.3*	9.3*	6.3	3.6	11.4*	11.4*	3.5	2.1	6.1	7.8*	2.5	1.5	4.1	5.6*	-	-	-	-	2.3	1.4	3.8	4.5*	6.4
	-4.5	-	-	-	-	-	-	-	-	3.7	2.3	5.6*	5.6*	-	-	-	-	-	-	-	-	3.6	2.2	5.4*	5.4*	4.6
2-piece Boom: 5.1m Dipper arm: 2m Front dozer blade Rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	5.2*	5.3*	5.2*	4.3
	6	-	-	-	-	-	-	-	-	4.5	4.8*	4.8*	4.8*	-	-	-	-	-	-	-	-	2.9	4.4*	4.4*	4.4*	5.8
	4.5	-	-	-	-	7.5*	7.4*	7.5*	7.4*	4.3	5.5*	5.6*	5.5*	2.7	4.6	4.2	4.9*	-	-	-	-	2.3	3.9	3.5	4.2*	6.7
	3	-	-	-	-	-	-	-	-	3.9	6.8*	6.4	6.8*	2.6	4.5	4.1	5.3*	-	-	-	-	2	3.4	3.2	4.2*	7.1
	1.5	-	-	-	-	-	-	-	-	3.7	6.7	6.1	8*	2.5	4.4	4	5.9*	-	-	-	-	1.9	3.3	3	4.4*	7.2
	0	-	-	-	-	-	-	-	-	3.6	6.5	5.9	8.4*	2.4	4.3	3.9	6.1*	-	-	-	-	2	3.5	3.2	5*	7
	-1.5	-	-	-	-	6.5	10.4	10.4*	10.4*	3.5	6.5	5.9	8*	2.4	4.3	3.9	5.8*	-	-	-	-	2.3	3.9	3.6	5.3*	6.4
	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 EW160E with heavy counterweight

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 couterweight. **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: 5.1m Dipper Arm: 2.45m Front dozer blade Rear outriggers	7.5	-	-	-	-	-	-	-	-	4.4*	4.4*	4.4*	4.4*	-	-	-	-	-	-	-	-	3.7	4*	4*	4*	5		
	6	-	-	-	-	-	-	-	-	4.2*	4.2*	4.2*	4.2*	2.8	4.3*	4.3*	4.3*	-	-	-	-	2.5	3.5*	3.5*	3.5*	6.4		
	4.5	-	-	-	-	-	-	-	-	4.3	5*	5*	5*	2.8	4.5*	4.3	4.5*	-	-	-	-	2	3.3*	3.2	3.3*	7.2		
	3	-	-	-	-	-	-	-	-	4	6.3*	6.3*	6.3*	2.6	4.5	4.1	5*	1.8	3.2	2.9	3.8*	1.8	3.1	2.9	3.3*	7.6		
	1.5	-	-	-	-	-	-	-	-	3.7	6.7	6.1	7.6*	2.5	4.3	4	5.6*	1.8	3.1	2.9	4.7*	1.7	3	2.8	3.5*	7.7		
	0	-	-	-	-	-	-	-	-	3.5	6.5	5.9	8.3*	2.4	4.2	3.9	6*	-	-	-	-	1.8	3.1	2.9	3.9*	7.4		
	-1.5	-	-	-	-	6.3	9.4*	9.4*	9.4*	3.5	6.4	5.8	8.2*	2.4	4.2	3.8	6*	-	-	-	-	2	3.5	3.2	4.6*	6.9		
	-3	-	-	-	-	-	-	-	-	3.6	6.5	5.9	7.2*	-	-	-	-	-	-	-	-	2.7	4.8	4.4	5.6*	5.5		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Dipper Arm: 2.6m Front dozer blade Rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	3.7*	3.7*	3.7*	5.2		
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.8	4.1*	4.1*	4.1*	-	-	-	-	2.4	3.2*	3.2*	3.2*	6.5		
	4.5	-	-	-	-	-	-	-	-	4.3	4.8*	4.8*	4.8*	2.8	4.4*	4.3	4.4*	-	-	-	-	2	3.1*	3.1	3.1*	7.3		
	3	-	-	-	-	-	-	-	-	4	6.2*	6.2*	6.2*	2.6	4.5	4.1	4.9*	1.8	3.2	2.9	4.3*	1.8	3	2.8	3.1*	7.7		
	1.5	-	-	-	-	-	-	-	-	3.7	6.7	6.1	7.5*	2.5	4.3	4	5.5*	1.8	3.1	2.8	4.6*	1.7	2.9	2.7	3.3*	7.8		
	0	-	-	-	-	4.7*	4.7*	4.7*	4.7*	3.5	6.5	5.9	8.2*	2.4	4.2	3.8	6*	1.7	3.1	2.8	4.3*	1.7	3	2.8	3.6*	7.6		
	-1.5	-	-	-	-	6.3	9.1*	9.1*	9.1*	3.4	6.4	5.8	8.2*	2.3	4.2	3.8	6*	-	-	-	-	1.9	3.4	3.1	4.3*	7		
	-3	-	-	-	-	-	-	-	-	3.5	6.5	5.9	7.3*	-	-	-	-	-	-	-	-	2.4	4.3	4	5.2*	5.9		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Dipper Arm: 3.1m Front dozer blade Rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	2.9*	2.9*	2.9*	5.9		
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.9	3.7*	3.7*	3.7*	-	-	-	-	2.1	2.6*	2.6*	2.6*	7.1		
	4.5	-	-	-	-	-	-	-	-	4.2*	4.2*	4.2*	4.2*	2.8	4*	4*	4*	1.9	3.1	3	3.5*	1.7	2.5*	2.5*	2.5*	7.8		
	3	-	-	-	-	-	-	-	-	4.1	5.6*	5.6*	5.6*	2.6	4.3	4.2	4.6*	1.8	3	2.9	4.1*	1.6	2.5*	2.5*	2.5*	8.2		
	1.5	-	-	-	-	-	-	-	-	3.7	6.4	6.1	7*	2.5	4.1	4	5.3*	1.8	2.9	2.8	4.4*	1.5	2.5	2.4	2.6*	8.3		
	0	-	-	-	-	5.2*	5.2*	5.2*	5.2*	3.5	6.1	5.9	8*	2.4	4	3.8	5.8*	1.7	2.9	2.8	4.6*	1.5	2.6	2.5	2.9*	8.1		
	-1.5	-	-	-	-	6.2	8.3*	8.3*	8.3*	3.4	6	5.8	8.2*	2.3	3.9	3.8	6*	1.7	2.9	2.8	3.8*	1.7	2.8	2.7	3.3*	7.6		
	-3	-	-	-	-	6.3	11.3*	11.3*	11.3*	3.4	6.1	5.8	7.7*	2.3	3.9	3.8	5.5*	-	-	-	-	2	3.4	3.3	4.3*	6.7		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Grab Arm: 2.95m Front dozer blade Rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	3.5*	3.5*	3.5*	5.8		
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.1	4.1*	4.1*	4.1*	-	-	-	-	2.4	3.1*	3.1*	3.1*	7		
	4.5	-	-	-	-	-	-	-	-	4.6	4.7*	4.7*	4.7*	3	4.4*	4.4*	4.4*	2.1	3.5	3.2	3.9*	2	2.9*	2.9*	2.9*	7.7		
	3	-	-	-	-	-	-	-	-	4.3	6.1*	6.1*	6.1*	2.9	4.8	4.4	5*	2.1	3.4	3.2	4.5*	1.8	2.9*	2.8	2.9*	8.1		
	1.5	-	-	-	-	-	-	-	-	4	7	6.4	7.5*	2.7	4.6	4.2	5.7*	2	3.3	3.1	4.8*	1.8	3	2.7	3*	8.2		
	0	-	-	-	-	-	-	-	-	3.8	6.8	6.1	8.4*	2.6	4.5	4.1	6.2*	2	3.3	3	5*	1.8	3	2.8	3.2*	8		
	-1.5	-	-	-	-	6.5	8.2*	8.2*	8.2*	3.7	6.7	6.1	8.5*	2.6	4.4	4	6.3*	-	-	-	-	2	3.3	3	3.7*	7.5		
	-3	-	-	-	-	6.6	11.5*	11.5*	11.5*	3.7	6.7	6.1	7.9*	2.6	4.4	4.1	5.7*	-	-	-	-	2.4	4	3.7	4.8*	6.5		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Dipper Arm: 2m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	5.2*	5.3*	5.2*	4.3		
	6	-	-	-	-	-	-	-	-	4.5	4.8*	4.8*	4.8*	-	-	-	-	-	-	-	-	2.9	4.4*	4.4*	4.4*	5.8		
	4.5	-	-	-	-	7.5*	7.4*	7.5*	7.4*	4.3	5.5*	5.6*	5.5*	2.8	4.9*	4.2	4.9*	-	-	-	-	2.3	4.2*	3.5	4.2*	6.7		
	3	-	-	-	-	-	-	-	-	4	6.8*	6.3	6.8*	2.7	5.3*	4.1	5.3*	-	-	-	-	2	4.2*	3.1	4.2*	7.1		
	1.5	-	-	-	-	-	-	-	-	3.7	8*	6	8*	2.5	5.6	4	5.9*	-	-	-	-	1.9	4.2	3	4.4*	7.2		
	0	-	-	-	-	-	-	-	-	3.6	8.4*	5.9	8.4*	2.5	5.5	3.9	6.1*	-	-	-	-	2	4.4	3.1	5*	7		
	-1.5	-	-	-	-	6.6	10.4	10.4*	10.4*	3.6	8	5.9	8*	2.5	5.5	3.9	5.8*	-	-	-	-	2.3	5.1	3.6	5.3*	6.4		
	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Dipper Arm: 2.45m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	4.4*	4.4*	4.4*	4.4*	-	-	-	-	-	-	-	-	3.8	4*	4*	4*	5		
	6	-	-	-	-	-	-	-	-	4.2*	4.2*	4.2*	4.2*	2.8	4.3*	4.3	4.3*	-	-	-	-	2.5	3.5*	3.5*	3.5*	6.4		
	4.5	-	-	-	-	-	-	-	-	4.4	5*	5*	5*	2.8	4.5*	4.3	4.5*	-	-	-	-	2.1	3.3*	3.2	3.3*	7.2		
	3	-	-	-	-	-	-	-	-	4	6.3*	6.3*	6.3*	2.7	5*	4.1	5*	1.9	3.8*	2.9	3.8*	1.8	3.3*	2.9	3.3*	7.6		
	1.5	-	-	-	-	-	-	-	-	3.7	7.6*	6	7.6*	2.5	5.6	3.9	5.6*	1.8	4	2.8	4.7*	1.8	3.5*	2.8	3.5*	7.7		
	0	-	-	-	-	-	-	-	-	3.6	8.3*	5.9	8.3*	2.4	5.5	3.8	6*	-	-	-	-	1.8	3.9*	2.8	3.9*	7.4		
	-1.5	-	-	-	-	6.4	9.4*	9.4*	9.4*	3.5	8.2*	5.8	8.2*	2.4	5.5	3.8	6*	-	-	-	-	2	4.5	3.2	4.6*	6.9		
	-3	-	-	-	-	-	-	-	-	3.6	7.2*	5.9	7.2*	-	-	-	-	-	-	-	-	2.7	5.6*	4.3	5.6*	5.5		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Dipper Arm: 2.6m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	3.7*	3.7*	3.7*	5.2		
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.9	4.1*	4.1*	4.1*	-	-	-	-	2.4	3.2*	3.2*	3.2*	6.5		
	4.5	-	-	-	-	-	-	-	-	4.4	4.8*	4.8*	4.8*	2.8	4.4*	4.3	4.4*	-	-	-	-	2	3.1*	3.1	3.1*	7.3		
	3	-	-	-	-	-	-	-	-	4	6.2*	6.2*	6.2*	2.7	4.9*	4.1	4.9*	1.9	4	2.9	4.3*	1.8	3.1*	2.8	3.1*	7.7		
	1.5	-	-	-	-	-	-	-	-	3.7	7.5*	6.1	7.5*	2.5	5.5*	3.9	5.5*	1.8	4	2.8	4.6*	1.7	3.3*	2.7	3.3*	7.8		
	0	-	-	-	-	4.7*	4.7*	4.7*	4.7*	3.5	8.2*	5.8	8.2*	2.4	5.5	3.8	6*	1.8	3.9	2.8	4.3*	1.7	3.6*	2.7	3.6*	7.6		
	-1.5	-	-	-	-	6.3	9.1*	9.1*	9.1*	3.5	8.2*	5.8	8.2*	2.4	5.4	3.8	6*	-	-	-	-	1.9	4.3*	3.1	4.3*	7		
	-3	-	-	-	-	-	-	-	-	3.6	7.3*	5.9	7.3*	-	-	-	-	-	-	-	-	2.5	5.2*	3.9	5.2*	5.9		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Dipper Arm: 3.1m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	2.9*	2.9*	2.9*	5.9		
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.9	3.7*	3.7*	3.7*	-	-	-	-	2.1	2.6*	2.6*	2.6*	7.1		
	4.5	-	-	-	-	-	-	-	-	4.2*	4.2*	4.2*	4.2*	2.8	4*	4*	4*	1.9	3.5*	3	3.5*	1.8	2.5*	2.5*	2.5*	7.8		
	3	-	-	-	-	-	-	-	-	4.1	5.6*	5.6*	5.6*	2.7	4.6*	4.1	4.6*	1.9	4.1	2.9	4.1*	1.6	2.5*	2.5*	2.5*	8.2		
	1.5	-	-	-	-	-	-	-	-	3.8	7*	6.1	7*	2.5	5.3*	4	5.3*	1.8	4	2.8	4.4*	1.5	2.6*	2.4	2.6*	8.3		
	0	-	-	-	-	5.2*	5.2*	5.2*	5.2*	3.5	8*	5.8	8*	2.4	5.5	3.8	5.8*	1.7	3.9	2.8	4.6*	1.6	2.9*	2.5	2.9*	8.1		
	-1.5	-	-	-	-	6.3	8.3*	8.3*	8.3*	3.4	8.2*	5.7	8.2*	2.3	5.4	3.7	6*	1.7	3.8*	2.7	3.8*	1.7	3.3*	2.7	3.3*	7.6		
	-3	-	-	-	-	6.4	11.3*	11.3*	11.3*	3.5	7.7*	5.8	7.7*	2.3	5.4	3.8	5.5*	-	-	-	-	2.1	4.3*	3.3	4.3*	6.7		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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 EW160E with heavy counterweight

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 couterweight. **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: 5.1m Grab Arm: 2.95m Front and rear outriggers	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	3.5*	3.5*	3.5*	5.8		
	6	-	-	-	-	-	-	-	-	-	-	-	-	3.1	4.1*	4.1*	4.1*	-	-	-	-	2.4	3.1*	3.1*	3.1*	7		
	4.5	-	-	-	-	-	-	-	-	4.7	4.7*	4.7*	4.7*	3.1	4.4*	4.4*	4.4*	2.2	3.9*	3.2	3.9*	2	2.9*	2.9*	2.9*	7.7		
	3	-	-	-	-	-	-	-	-	4.4	6.1*	6.1*	6.1*	2.9	5*	4.4	5*	2.1	4.3	3.1	4.5*	1.9	2.9*	2.8	2.9*	8.1		
	1.5	-	-	-	-	-	-	-	-	4	7.5*	6.4	7.5*	2.8	5.7*	4.2	5.7*	2	4.2	3.1	4.8*	1.8	3*	2.7	3*	8.2		
	0	-	-	-	-	-	-	-	-	3.8	8.4*	6.1	8.4*	2.6	5.7	4.1	6.2*	2	4.2	3	5*	1.8	3.2*	2.8	3.2*	8		
	-1.5	-	-	-	-	6.6	8.2*	8.2*	8.2*	3.7	8.5*	6	8.5*	2.6	5.7	4	6.3*	-	-	-	-	2	3.7*	3	3.7*	7.5		
	-3	-	-	-	-	6.7	11.5*	11.5*	11.5*	3.8	7.9*	6.1	7.9*	2.6	5.7	4	5.7*	-	-	-	-	2.4	4.8*	3.6	4.8*	6.5		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Dipper Arm: 2m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	5	5.3*	5.2*	4.3		
	6	-	-	-	-	-	-	-	-	4.2	4.8	4.8*	4.8*	-	-	-	-	-	-	-	-	2.7	3.1	4.4*	4.4*	5.8		
	4.5	-	-	-	-	7.5*	7.4*	7.5*	7.4*	4	4.6	5.6*	5.5*	2.6	2.9	4.2	4.9*	-	-	-	-	2.1	2.4	3.5	4.2*	6.7		
	3	-	-	-	-	-	-	-	-	3.7	4.2	6.3	6.8*	2.5	2.8	4.1	5.3*	-	-	-	-	1.9	2.1	3.1	4.2*	7.1		
	1.5	-	-	-	-	-	-	-	-	3.5	4	6	8*	2.3	2.7	4	5.9*	-	-	-	-	1.8	2.1	3	4.4*	7.2		
	0	-	-	-	-	-	-	-	-	3.3	3.8	5.9	8.4*	2.3	2.6	3.9	6.1*	-	-	-	-	1.9	2.1	3.1	5*	7		
	-1.5	-	-	-	-	6.1	7.2	10.4*	10.4*	3.3	3.8	5.9	8*	2.3	2.6	3.9	5.8*	-	-	-	-	2.1	2.4	3.6	5.3*	6.4		
	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Dipper Arm: 2.45m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	4.3	4.4*	4.4*	4.4*	-	-	-	-	-	-	-	-	3.5	4	4*	4*	5		
	6	-	-	-	-	-	-	-	-	4.2*	4.2*	4.2*	4.2*	2.7	3	4.3	4.3*	-	-	-	-	2.4	2.7	3.5*	3.5*	6.4		
	4.5	-	-	-	-	-	-	-	-	4.1	4.6	5*	5*	2.6	2.9	4.3	4.5*	-	-	-	-	1.9	2.2	3.2	3.3*	7.2		
	3	-	-	-	-	-	-	-	-	3.8	4.3	6.3*	6.3*	2.5	2.8	4.1	5*	1.7	2	2.9	3.8*	1.7	1.9	2.9	3.3*	7.6		
	1.5	-	-	-	-	-	-	-	-	3.5	4	6.1	7.6*	2.3	2.7	3.9	5.6*	1.7	1.9	2.8	4.7*	1.6	1.9	2.8	3.5*	7.7		
	0	-	-	-	-	-	-	-	-	3.3	3.8	5.9	8.3*	2.2	2.6	3.8	6*	-	-	-	-	1.7	1.9	2.8	3.9*	7.4		
	-1.5	-	-	-	-	5.9	7	9.4*	9.4*	3.3	3.8	5.8	8.2*	2.2	2.5	3.8	6*	-	-	-	-	1.9	2.1	3.2	4.6*	6.9		
	-3	-	-	-	-	-	-	-	-	3.3	3.8	5.9	7.2*	-	-	-	-	-	-	-	-	2.5	2.9	4.3	5.6*	5.5		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Dipper Arm: 2.6m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	3.7*	3.7*	3.7*	5.2		
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.7	3	4.1*	4.1*	-	-	-	-	2.3	2.6	3.2*	3.2*	6.5		
	4.5	-	-	-	-	-	-	-	-	4.1	4.7	4.8*	4.8*	2.6	2.9	4.3	4.4*	-	-	-	-	1.8	2.1	3.1	3.1*	7.3		
	3	-	-	-	-	-	-	-	-	3.8	4.3	6.2*	6.2*	2.5	2.8	4.1	4.9*	1.7	2	2.9	4.3*	1.6	1.9	2.8	3.1*	7.7		
	1.5	-	-	-	-	-	-	-	-	3.5	4	6.1	7.5*	2.3	2.7	3.9	5.5*	1.7	1.9	2.8	4.6*	1.6	1.8	2.7	3.3*	7.8		
	0	-	-	-	-	4.7*	4.7*	4.7*	4.7*	3.3	3.8	5.8	8.2*	2.2	2.5	3.8	6*	1.6	1.9	2.8	4.3*	1.6	1.8	2.7	3.6*	7.6		
	-1.5	-	-	-	-	5.9	7	9.1*	9.1*	3.2	3.7	5.8	8.2*	2.2	2.5	3.8	6*	-	-	-	-	1.8	2	3.1	4.3*	7		
	-3	-	-	-	-	-	-	-	-	3.3	3.8	5.9	7.3*	-	-	-	-	-	-	-	-	2.3	2.6	3.9	5.2*	5.9		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Dipper Arm: 3.1m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	2.9*	2.9*	2.9*	5.9		
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.7	3.1	3.7*	3.7*	-	-	-	-	2	2.2	2.6*	2.6*	7.1		
	4.5	-	-	-	-	-	-	-	-	4.2	4.2*	4.2*	4.2*	2.6	3	4*	4*	1.8	2	3	3.5*	1.6	1.9	2.5*	2.5*	7.8		
	3	-	-	-	-	-	-	-	-	3.9	4.4	5.6*	5.6*	2.5	2.8	4.1	4.6*	1.7	2	2.9	4.1*	1.5	1.7	2.5*	2.5*	8.2		
	1.5	-	-	-	-	-	-	-	-	3.5	4	6.1	7*	2.3	2.7	4	5.3*	1.7	1.9	2.8	4.4*	1.4	1.6	2.4	2.6*	8.3		
	0	-	-	-	-	5.2*	5.2*	5.2*	5.2*	3.3	3.8	5.8	8*	2.2	2.5	3.8	5.8*	1.6	1.8	2.8	4.6*	1.4	1.6	2.5	2.9*	8.1		
	-1.5	-	-	-	-	5.8	6.9	8.3*	8.3*	3.2	3.7	5.7	8.2*	2.1	2.5	3.7	6*	1.6	1.8	2.7	3.8*	1.6	1.8	2.7	3.3*	7.6		
	-3	-	-	-	-	5.9	7	11.3*	11.3*	3.2	3.7	5.8	7.7*	2.2	2.5	3.8	5.5*	-	-	-	-	1.9	2.2	3.3	4.3*	6.7		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-piece Boom: 5.1m Grab Arm: 2.95m Rear dozer blade	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3.4	3.5*	3.5*	5.8		
	6	-	-	-	-	-	-	-	-	-	-	-	-	2.9	3.3	4.1*	4.1*	-	-	-	-	2.2	2.5	3.1*	3.1*	7		
	4.5	-	-	-	-	-	-	-	-	4.4	4.7*	4.7*	4.7*	2.9	3.2	4.4*	4.4*	2	2.3	3.2	3.9*	1.9	2.1	2.9*	2.9*	7.7		
	3	-	-	-	-	-	-	-	-	4.1	4.6	6.1*	6.1*	2.7	3.1	4.4	5*	2	2.2	3.1	4.5*	1.7	2	2.8	2.9*	8.1		
	1.5	-	-	-	-	-	-	-	-	3.8	4.3	6.4	7.5*	2.6	2.9	4.2	5.7*	1.9	2.1	3.1	4.8*	1.7	1.9	2.7	3*	8.2		
	0	-	-	-	-	-	-	-	-	3.5	4.1	6.1	8.4*	2.5	2.8	4.1	6.2*	1.8	2.1	3	5*	1.7	1.9	2.8	3.2*	8		
	-1.5	-	-	-	-	6.1	7.2	8.2*	8.2*	3.5	4	6	8.5*	2.4	2.7	4	6.3*	-	-	-	-	1.9	2.1	3	3.7*	7.5		
	-3	-	-	-	-	6.3	7.3	11.5*	11.5*	3.5	4	6.1	7.9*	2.4	2.8	4	5.7*	-	-	-	-	2.2	2.5	3.6	4.8*	6.5		
	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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 V 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 or satelite
Rear and side view camera
Superstructure
LED Rear lights
Service walkway with anti-slip grating
Centralised lubricating point for slew bearing and boom
Undercarriage
3 speeds (creep / offroad / road speed up to 35 km/h
Oscillating front axle ± 9° with out mudguards/ 6° with mudguards
2-circuit travel brakes
Maintenance-free propeller shafts
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 VG 46
Cab and interior
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
Sun shield,front, roof & rear
Bluetooth radio with USB port
Master ignition key
Multi function switch on LH Joystick
Digging equipment
Attachment points for extra hydraulics
Centralised lubrication point for arm and bucket

OPTIONAL EQUIPMENT
Engine
Diesel coolant heater with digital timer
Block heater, 240 V
Water separator with heater
Dust net
Reversable fan
Air inlet turbo precleaning system
Micro- mesh and sealing for engine compartment
Tropical cooling
Waste package
Electric / Electronic control system
Travel alarm
Flashing LED beacon
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
Superstructure
Heavy counter weight
License plate preparation
Undercarriage
Twin tires 10.00 – 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
Axle mounted mudguards , Front and rear
Metal mudguards (stand on type)
Joystick steering (CDC Comfort drive control)
Tool box, left hand side/right hand side
Cruise control
Travel speed 20 km/h, 30 km/h, 35 km/h
Wide axle 2.75 m
Trailer Towing system
Automatic digging brake
Drawer type Toolbox
Hydraulic system
Boom float function
Hydraulic oil, biodegradable ISO VG 32
Hydraulic oil, biodegradable ISO VG 46
Hydraulic long life oil ISO VG 32
Hydraulic long life oil ISO VG 68
Hammer & shears
Slope bucket/rotator
Grab/clam shell
Quick fit
Flow control
flow & pressure control
Boom suspenssion system

OPTIONAL EQUIPMENT
Cab and interior
Volvo Care Cab with openable PC roof hatch / ROPS
L8 Joystick
Proportional control joystick
Falling object guard (FOG)
Cab mounted falling object protective structures (FOPS)
Rain shield, front
Steelwrist tiltrotator preparation
Volvo Smart View system
Sunlight protection, roof hatch (steel)
Safety net for front window
Lower wiper
Anti-vandalism kit
Ashtray
Lighter
Mechanical Fabric seat, with/or without heater
Airsuspension seat with heater and X isolator
Luxury operator seat with aico and wide armrest
Fixed cab risers
Hydraulic elevated cab
Digging equipment
5.0 m mono boom
5.1 m 2-piece boom
2.0 m, 2.45 m, 2.6 m, 3.1 m
2.95 m grab arm

OPTIONAL EQUIPMENT
Hydraulic quick fit
S60 system
Universal system
Service
Tool kit, daily maintenance
Automatic Greasing System
Wheel chocks
Attachments
General Purpose bucket (GP)
Heavy Duty bucket
Lifting eye
Tilt rotator Steelwrist
Machine control system
Dig assist 2D/In-field/Steelwrist (please refer to separate brochure for more details)

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Luxury seat



Metal mudguards



LED working lights



Axle mounted mudguards



Heavy counterweight



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.

Ref. No 20057587_B / English-21 / 2020.05 / EXW / Volvo, Global Marketing

