VOLVO WHEELED EXCAVATOR

EW140C

14,4 – 15,8 t, 136 metric hp

MORE CARE. BUILT IN.

VOLVO – A PARTNER TO TRUST.

Trust means knowing your equipment will perform no matter the job or the conditions. Volvo EW140C wheeled excavators earn that trust — every day. With the multi-task credentials of a tool carrier and the pedigree of a thoroughbred digging machine, the EW140C does more than work. It commands.

Multi-function. Highly mobile. Well-balanced. Fuel efficient. Comfortable. Think of the Volvo EW140C as your one-machine fleet. It's time to roll.

Volvo: your global, local partner
Since 1927, Volvo has earned trust for providing solutions with true value. Built on core values of quality, safety and environmental care, Volvo equipment is a leader in construction and transportation. Its extensive lineup of construction machines is complemented by Volvo buses, trucks, aero engines and marine power systems. As the world's largest producer of 9- to 18-liter diesel engines, Volvo delivers class-leading fuel efficiency. That heritage is born anew in the C-Series family of excavators. One shift in the cab of a Volvo excavator and you'll understand why so many count on Volvo as their trusted partner.

A task force from one machine
Other machines may try to claim the crown, but Volvo C-Series wheeled excavators are arguably the most capable construction machines at work anywhere. So what is an excavator doing making such claims? Watch and see. The EW140C is one machine, but it performs the work of a task force. Clearing ditches. Digging trenches. Moving construction debris. Stripping asphalt. Grading for building pads. Lifting and placing pipes. Boring holes for utility poles. Cleaning storm debris from under bridges.

All that in a well-balanced package that moves between job sites at up to 30 km/h. Low ground pressure makes the EW140C suited for work on pavement or in soft, off-road ground conditions. Its size and maneuverability help make it ideal for work in the city, at material-handling sites, or inside buildings and warehouses. Count on it.

Cab puts the operator in command
The roomier Volvo Care Cab has excellent visibility, high-volume climate control, a new openable roof hatch and repositionable steering column. The responsive controls allow the operator to infinitely adjust hydraulic flow and pressure for attachments without leaving the seat. Fluid levels can be monitored right from the cab.

With such mobility, ease of use, comfort and adaptability, the EW140C truly has the power of more. More tools. More tasks. More control. More job sites. More work done — on less fuel. At the end of the day it adds up to the one thing all contractors want — more profit.

• Highly maneuverable in tight work spaces.

• Commanding views from the Volvo Care Cab.

• Excellent digging and tool-carrier performance.

• Volvo is a sure sign of innovation and quality.

• Extra-duty components deliver reliable, long life.

• Efficient, intelligent Volvo V-ACT engine.

- Rugged, mobile tool carrier efficiently handles the work of several machines.
- Adjust attachment hydraulic flow and pressure from the cab.
- Cab comfort, clear visibility enhance productivity.
- V-ACT engine has high torque at low revs and superior fuel efficiency.

A CAB THIS GOOD COULD ONLY COME FROM VOLVO.

Why is the new Volvo C-Series Care Cab so roomy, comfortable and secure? Simple. Volvo knows the excavator operator is that important.

We made the EW140C cab roomier, expanded the cab glass, added a transparent, openable roof hatch option and made everything from the seat to the steering column easy to customize for just the right fit. We make it easy to do more — in comfort.

• Commanding views to the work site.

No better place to work
One shift at the controls of the EW140C and an operator will never want to run anything but a Volvo. Operator input is a big part of Volvo cab design, so it's no surprise the Care Cab is loaded with productivity-enhancing features. It's not only good for the operator, it's a competitive edge for the owner. Productivity and profit start in the cab.

It's easier than ever to be productive — right from the operator's seat. Daily checks of engine oil, coolant, hydraulic oil and filters can be done via the easy-to-read electronic control monitor. No more climbing on the excavator for daily checks. The optional Volvo CareTrack system works with the machine's diagnostics to track geographic location, usage, fuel consumption, service reminders and more. Using GPS technology, CareTrack makes the information available remotely via computer. CareTrack also offers theft protection by allowing you to limit geographic areas or hours of the day the machine can be operated.

Switching attachments is fast and convenient. The operator can adjust hydraulic flow and pressure settings from the cab — a major time saver when doing tool-carrier work. Volvo hydraulics provide smooth, comfortable control with low effort from the joysticks. And the ride is smooth, whether roading at full speed or operating in creep mode.

Visibly superior
Volvo is already known for industry leading cab visibility. Now we've made it even better with more cab glass and a transparent roof hatch that opens via a gas strut. Visibility has been dramatically improved by moving the windshield-wiper motor to the left so the wiper clears a wider area. The steering column pivots back and forth, so it won't obstruct the view to the front. With the two-piece boom retracted, visibility out the right side is clear and unobstructed for travel.

An optional rear-view camera is integrated into the in-cab monitor for extra safety. Digging, lifting or craning, the operator has the cleanest lines of sight, for added confidence and better productivity.

We've relocated the cooling system fan, so the pressurized cab is even quieter. A new viscous-mount suspension cushions the platform from vibration, so long shifts won't mean big fatigue. An improved seat enhances comfort — and significantly reduces whole-body vibration.

- Deluxe air-suspension seat with adjustable height, tilt, recline and forward-back settings to easily suit any size operator.
- Joystick consoles adjust up, down, forward and back.
- Forward-reverse switch on right joystick provides superior control, lessens leg fatigue compared with F/R pedal.
- Wider cab with more leg room and foot space.
- Electronic control console allows daily fluid and filter checks right from the cab.
- Generous cab glass enhances industry-leading visibility.
- Transparent, openable roof hatch offers clean sight lines for overhead operations.
- Retractable steering column pivots toward operator for clean field of view.
- Removable lower front window stows easily in cab door pocket.
- Optional rear camera provides added safety and increased operator confidence.
- New viscous-mount suspension dampens shock and vibration.
- 14-vent climate-control keeps cab air comfortable in any weather.

• Steering column pivots for visibility and comfort.

• Machine controls are all within easy reach.

• Clear rear visibility and ample cab storage.

FLEET PRODUCTION – FROM ONE MACHINE.

Every contractor looks for a competitive edge, which is why Volvo built so many into its line of wheeled excavators. The EW140C has the lifting, digging and tool-carrier abilities of several machines. That means high machine utilization, lower overall cost — and better profits.

With so many options, from buckets and hammers to grapples and clamps, you'll find the EW140C is more than a machine. It's a force.

One machine, many solutions
The Volvo EW140C is a true tool commander, engineered with the power and stability to handle the work of several machines. With a multitude of available attachments and the ability to customize hydraulic flow and pressure right from the cab, the EW140C has the power and quality of a whole fleet — built in.

A big part of the EW140C's success is mobility. Whether the jobs are within the city or farther out, the EW140C moves from job to job with a smooth ride and high average speeds — up to 30 kph. No need to transport different machines to get the job done. The EW140C gets there quickly and has the ability to easily switch from digging to tool carrier.

Undercarriage anchors performance
The stout, solid undercarriage anchors the machine for digging, lifting and precision operations. With robust, wide-spread outriggers and a parallel blade, the EW140C can lift, dig, sort, load, grade and more. The blade won't tear up roadway pavement or mar other sensitive surfaces. With a light footprint, the EW140C is an outstanding tool for off-road operations, too.

Versatility starts with the EW140C's boom. The available two-piece boom delivers incredible agility, allowing the excavator to work in tight spaces or perform parallel digging. The geometry of the two-piece boom makes the EW140C perfectly suited for a huge range of tasks. The standard monoboom delivers solid performance for digging and lifting applications.

Work tools for any task
Tool-carrier performance of the EW140C is limited only by the needs of the customer. Add a quick fit and a tilting, rotating attachment for a truly smart machine with additional productivity.

Smooth, load-sensing hydraulics deliver the control for asphalt cutting or grading around obstructions. Superior hydraulics can power hammers, grapples, brush cutters and many other attachments. Easily arm the EW140C with ditching or trenching buckets, rippers, compactors, augers, mowers or pulverizers. With high torque at low RPMs, you are assured of the power you need, with no hesitation or bogging down.

• Reach and power for digging and loading.

• Robust hydraulics power a range of attachments.

• Reach and power for lifting and placing.

• Optional two-piece boom adds versatility.

• Quick fit: easily change tools from the cab.

- A variety of attachments add incredible capabilities.
- Operate off road or on pavement without damaging sensitive surfaces.
- High torque at low RPMs for power, mobility and quiet operation.
- Robust hydraulics deliver smooth power even under full load.
- Stabilizer blade and outriggers enhance stability for digging, lifting or tool operation.
- Comfortable ride at full travel speed or in creep mode.

VOLVO POWER IS THE HEART OF PERFORMANCE.

To truly understand the advantage of operating a machine with a Volvo power system, you have to experience it. One shift at the controls of the EW140C and you'll know it. It shows in power out of the trench. It shows in the fine control placing pipes or pallets of material. It shows in high torque at low RPMs. It shows in world-class fuel economy. Most importantly, it shows in productivity — and profit.

• Tested, and proven, on job sites all over the world.

Superior power — with purpose
As the world's leading manufacturer of mid-size diesel engines, Volvo knows power. The EW140C has a robust Volvo engine that delivers optimized power, maximum torque and quiet operation. It's no wonder the EW140C is so good at so many tasks.

What gives Volvo power a competitive edge on the job site? Superior components are perfectly integrated with Volvo technology to get the most from every stroke, cycle and shift.

Electronic engine controls optimize hydraulic flow based on engine speed and the demands of the job. Operators have engine modes to match the widest range of tasks. Volvo delivers total power control, so you're assured of maximum output at any speed. The EW140C delivers faster operation at lower revs.

The advanced Volvo V-ACT engine meets Tier 3/Stage IIIA emissions requirements, so it's easy on the environment. You'll squeeze more from every drop of fuel with V-ACT, which uses new fuel-injection and air-management systems for clean combustion and low emissions.

Robust, harmonized hydraulics
The quieter main pump delivers robust oil flow to hydraulic, travel and swing functions for smooth and responsive performance — especially on combined tool-carrier operations. A higher torque swing motor means faster cycle times when working on slopes or placing loads.

Based on the proven Volvo wheel loader engine and specifically designed for the demands of excavation, the EW140C has more components and parts found in other Volvo equipment. That means better parts availability, lower operating costs and better uptime.

Volvo takes the power even further with VCADS Pro and MATRIS — computerized tools to analyze and manage fuel usage, machine function and utilization. Volvo CareTrack brings the power of satellites to track and manage one machine — or an entire fleet.

VOLVO'S ENGINE LEADERSHIP SPANS LAND, SEA, SKY AND SPACE

As the world's largest manufacturer of 9-to 18-liter diesel engines, Volvo has unmatched expertise designing power systems that move the world. Volvo engines for Volvo Construction Equipment, Volvo Aero, Volvo Buses, Volvo Penta and Volvo Trucks define productivity and fuel economy. Our performance has been honed on land, over the sea, across the sky and into space. Leading research and development keeps all Volvo Group products at the forefront of productivity. So when we say Volvo engines are tested — and proven — you can believe it. Trust in it. It's the real advantage of Volvo Power.

• Custom performance with easy mode control.

• Hydraulics optimize flow based on job demands.

• Trust Volvo for power, endurance and results.

• Engines are built for multi-task performance.

High-torque V-ACT engine

- Precision, high-pressure fuel injection system.
- Larger capacity turbocharger.
- Innovative exhaust recirculation.
- High torque at low RPMs
- Industry-leading fuel economy.

Electronic engine control

- Real-time sensors feed data to engine management system.
- System optimizes combustion based on sensor feedback.
- Maximum available power directed to hydraulics.

Hydraulics with harmony

- Maximum available hydraulic power matched to engine speed.
- Volvo hydraulics direct oil flow where it's needed most.

Telematics, machine management

- Volvo CareTrack telematics system harnesses satellites for remote monitoring.
- Track location, operation data, error codes, alarms and more.
- Diagnostics, machine history available from MATRIS and VCADS Pro systems.

A CLOSE-UP VIEW OF ROLLING COMMAND: INNOVATION NEVER LOOKED SO GOOD.

MORE SAFETY

- **Safety** is a **core value** at Volvo and it shows in our machines.
- **New-design Volvo Care Cab** with operator protective structure.
- **Optional rear camera** provides the operator with more confidence.
- Superstructure above the engine is flat for **excellent rear visibility.**
- **Punched-plate anti-slip steps and walkways** for sure grip.
- **Longer cabin footstep** resists damage and is easily replaced.
- **Low noise levels** in the cab and outside the machine.
- **In-cab switch shuts down engine in an emergency.**
- **Clear, openable roof hatch** for clear views of overhead obstructions.
- **Indicator on quick coupler** shows if attachments are locked in place.
- **Fuel-efficient, low-emissions engine** is easy on the environment.
- **Lead-free exterior paint.**
- **Volvo excavators are 95% recyclable.**

MORE SOLUTIONS

- **Auxiliary hydraulics** power a range of attachments:
  - Grapples - Slope bucket - Tilting & rotating attachment
  - Brush cutters - Compactors - Augers
  - Pile drivers - Pulverizers - Hammers
- **One-touch customization** of attachment hydraulic pressure and flow, activated from joystick button in the cab.
- **Full hammer/shear control** from the cab, including flow control, pressure adjustment and ability to store and recall unlimited attachment presets from keypad in the cab.
- **Volvo quick fit.**
- Available **tilting and rotating attachment** provides 360-degree attachment rotation and extreme agility.
- Available **two-piece boom** enhances work on cramped sites, aids visibility when roading.

MORE CAB COMFORT

- **Roomier Volvo Care Cab** with customizable controls and backlit switches.
- **More cab glass** delivers enhanced best-in-class visibility.
- **Pivoting, ergonomic steering column** ensures clean lines of sight.
- **Convenient forward-reverse travel switch** on right joystick.
- **Operator shielded from vibration** by viscous-mounted platform.
- **High-capacity heating and cooling** for comfort in any weather.

MORE PROFIT

- **World-class Volvo engine** with industry-leading fuel economy.
- **New low-emissions Volvo V-ACT engine.**
- **Proven hydraulics:** optimum power where it's needed.
- **Harmonized power** with oil regeneration and priority features for faster cycles and more productivity per shift.

MORE QUALITY

- **Heavy-gauge outriggers have wide stance** for excellent stability.
- **Stabilizer blade** has wide footprint, so it **won't damage pavement.**
- **Stout and solid undercarriage.**
- **Extra-duty boom and arm.**
- **Long wheel base** for added stability and smoother ride.

MORE UPTIME

- **Electronic control unit** monitors and troubleshoots all functions.
- **Easy-to-change cab air filter is located outside the cab.**
- **Satellite-based CareTrack system** monitors and troubleshoots machine operation, location, error codes and more.
- **Daily checks done from the cab** using control monitor.
- **Long-life hydraulic oil** with 4,000-hour change interval.
- Convenient, **centralized remote greasing**.
- **Cooling system is easier to clean.**

CUSTOMIZABLE MACHINE OPTIONS GIVE YOU THE POWER TO DO MORE.

Volvo C-Series wheeled excavators have productivity and profit built in, but the story doesn't stop there. Volvo offers a wealth of machine options — from hydraulic kits, work lights, and operator seats to a rear-view camera and cold-weather starting system. Volvo delivers more protection, more comfort, more convenience, more strength — and more options.

Mono offset boom
Volvo's mono offset boom delivers great versatility for digging work in narrow spaces.

Anti-theft system
A security code must be entered on the instrument panel in order to start the engine. The code can be changed by VCADS-Pro. For repeated starts, the system can be set not to require the code for predetermined time periods.

Cab protection with FOG, FOPS
Falling Object Guard (FOG) and Falling Object Protection Structure (FOPS) provide safety and confidence in tough applications like demolition or quarrying. The front of the FOG tilts on gas struts for easy window cleaning.

Hydraulic quick fit
Expand your excavator's capabilities with a hydraulic quick fit for fast, easy change out of buckets and attachments — right from the cab.

Electronic climate control
High-capacity heating, cooling and ventilation with electronic climate control keeps the cab comfortable no matter the weather. A heater with manual control is included standard.

Hydraulic kits
Get the most from hammers, crushers and tilting/rotating attachments with a wide selection of hydraulic kits. Optimize flow and power based on boom and arm lengths. Available in one- and two-pump-flow configurations to suit job needs.

Ergonomic operator seats
A variety of ergonomic, high-performance seats include advanced air-suspension models for extreme comfort. All seats are fully adjustable to fit any size operator.

Wrist-control joysticks
Volvo's low-effort, wrist-control joysticks deliver smooth and even performance that lessens operator fatigue and increases job performance. Wrist control joysticks with proportional-control switches are also available.

Engine coolant heater
The diesel-driven engine coolant heater eases start-ups in cold weather while simultaneously warming the cab. Heating times are adjustable, and the system can be pre-set to engage automatically.

Work lights, rotating beacon
Increase visibility with rear-facing halogen lights on the counterweight, at cab roof and front-facing lights on both sides of the boom. A rotating amber beacon makes the machine more visible on the job site, and when moving the machine on the road.

Rear-view camera
The in-cab LCD monitor provides clear rear views for reverse travel and slewing operations, giving the operator confidence and boosting job-site safety.

Twin or single tires
Choose from single or twin tires to match terrain and job-site conditions.

Mono offset boom

Anti-theft system

FOG, FOPS cab protection

Volvo quick fit

Electronic climate control

Hydraulic kits

Suspension seats

Proportional-control joysticks

Diesel coolant heater with timer

Extra halogen lamps, beacon

Rearview camera

Twin tires or single tires

SPECIFICATIONS

Engine

The next-generation Volvo diesel engine uses Volvo Advanced Combustion Technology (V-ACT) to deliver lower emissions and maintain superior performance and fuel efficiency.
The EU Stage IIIA compliant engine uses precise, high-pressure fuel injectors, turbo charger and air to air intercooler, and electronic engine controls to optimize machine performance.

Engine	VOLVO D5E EAE3
Power out at	33,3 r/s (2 000 rpm)
Gross (SAE J1995)	100 kW (136 metric hp)
Net (ISO 9249, DIN 6271)	91 kW (124 metric hp)
Max. torque at 1600 rpm	569 Nm
No. of cylinders	4
Displacement	4,8 l
Bore	108 mm
Stroke	130 mm

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	24 V
Battery	2 x 12 V
Battery capacity	2 x 140 Ah
Alternator	28 V / 80 A
Alternator rating	2 240 W

Cab

New-design Volvo Care Cab with operator protective structure, large and roomy interior, more leg room and foot space. 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. 3 cup holders, 3 outlets, independently adjustable joystick consoles. Excellent all-round visibility provided by maximized cab class, transparent roof hatch, 2-piece sliding door window and longstroke, easy to adjust and narrow steering column. The liftable front windshield can easily be stored in the inside roof space and clipped in postion. 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.

Adjustable, easy to read 6.4" LCD color monitor provides real time information of machine functions and important diagnostic information and is switchable to rear view camera monitor (option).

Sound Level:

In cab, acc. to ISO 6396	72 LpA dB(A)
External, acc. to ISO 6395	101 LwA dB(A)
(Directive 2000/14/EC)	

Undercarriage

Drive train: One big variable axial-piston motor on the two-step Power Shift gearbox gives power to front and rear axles, both with hub reductions.
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. Oscillating ± 9° (with mudguards ± 7°).

Twin wheels	10,00–20
Max. tractive force (net)	80,4 kN
Travel speeds:	
on road	20,0/30,0/35,0 km/h
off road	5,0/7,4/8,7 km/h
creep	3,0 km/h
Min. turning radius	7,3 m

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 4,5 m monoblock boom, 2,45 m dipper arm, quickfit S6, 420 kg / 580 l bucket.

Dozer blade front and outriggers rear	15 400 kg /15 650* kg
Dozer blade rear excl. outriggers	14 390 kg /14 640* kg
Front and rear outriggers	15 580 kg /15 830* kg

*Machine with 4,7 m 2-piece boom.

Service refill capacities

Fuel tank	250 l
Hydraulic system, total	230 l
Hydraulic tank	93 l
Engine oil	14,5 l
Engine coolant	29,5 l
Transmission	2,5 l
Axel differential:	
Front axle	9,0 l
Rear axle	11,2 l
Final drive, wet disc type	4 x 2,4 l

Hydraulic system

Closed-centre load sensing hydralic system with pressure compensated valves. Load independence of movements. Flow sharing feature, combined with a high flow electronically controlled 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:

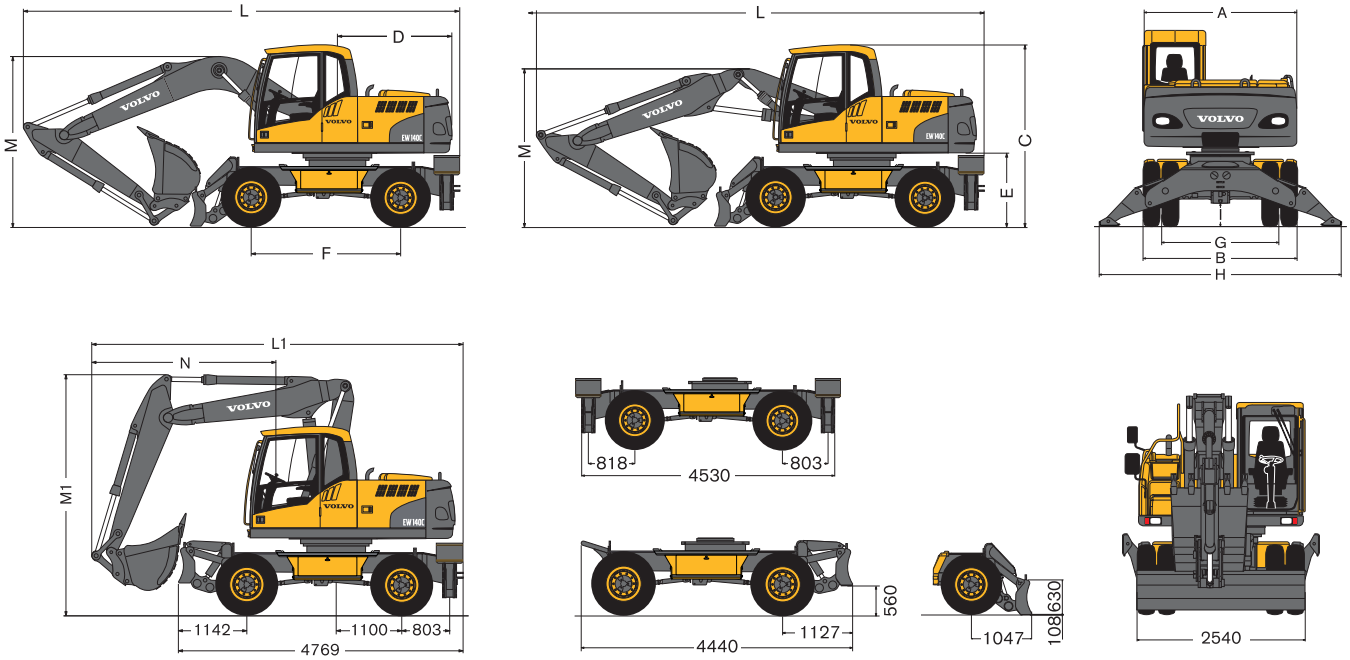
Max. flows:	
Main pump (type low noise axial piston pump)	230 l/min
Brake + steering pump (type low noise gear pump)	36,1 l /min
Servo pump (type low noise gear pump)	14,0 l/min
Hydraulic oil cooling fan + pilot pump (type gear pump)	51,0 l/m
Max. pressures:	
Implements	32/36 MPa
Travel system	36 MPa
Pilot system	3,5 MPa

Slew system

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

Max slew speed	10,0 rpm
Max. slew torque	42,6 kNm

Dimensions



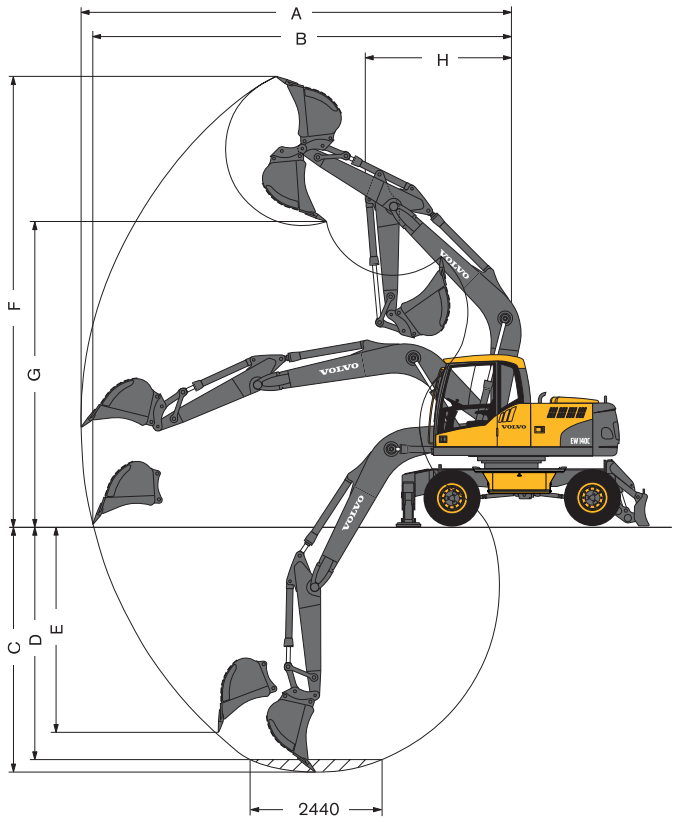
Description	Unit	4,5 m	4,7 m	4,75 m
		Monoblock boom	2-piece boom	Mono offset boom
A. Overall width of superstructure	mm	2 490	2 490	2 490
B. Overall width	mm	2 540	2 540	2 540
C. Overall height of cab	mm	3 140	3 140	3 140
D. Tail slew radius	mm	2 000	2 000	2 000
E. Counterweight clearance	mm	1 270	1 270	1 270
F. Wheel base	mm	2 600	2 600	2 600
G. Tread	mm	1 940	1 940	1 940
H. Outrigger width (front or rear)	mm	3 920	3 920	3 920
I. Min. ground clearance	mm	340	340	340

Description	Unit	4,5 m Monoblock boom					4,7 m 2-piece boom				
		2,0 m	2,45 m	2,6 m	3,1 m	2,95 m*	2,0 m	2,45 m	2,6 m	3,1 m	2,95 m*
L. Overall length	mm	7 590	7 460	7 450	7 250	7 485*	7 785	7 720	7 710	7 490	7 600*
M. Overall height of boom	mm	2 940	3 330	3 360	3 380	3 255*	2 710	3 040	3 050	3 650	3 210*
L1. Overall length	mm						6 075	6 185	6 200	6 635**	5 810*
M1. Overall height of boom	mm						3 995	3 985	4 000	3 960**	3 960*
N. Front overhang	mm						2 915	3 025	3 040	3 470**	2 650*

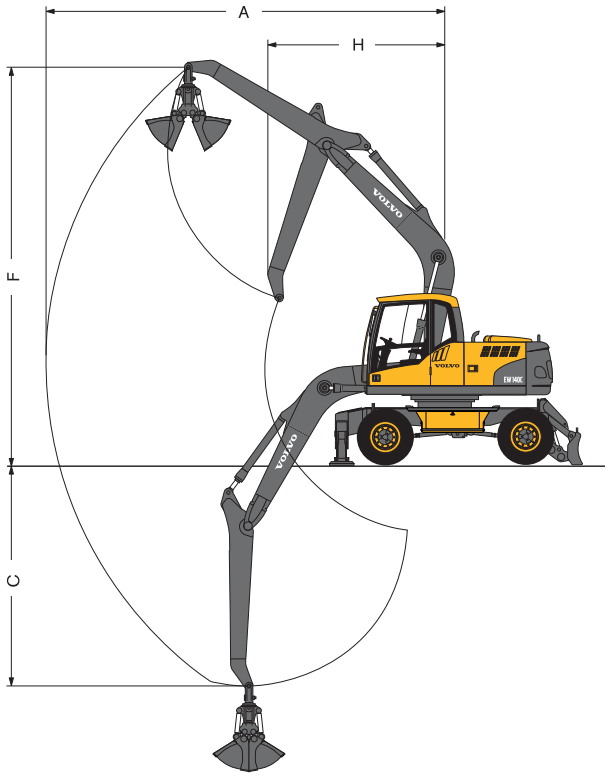
Description	Unit	4,75 m Mono offset boom			
		2,0 m	2,45 m	2,6 m	3,1 m
L. Overall length	mm	7 800	7 800	7 770	7 570
M. Overall height of boom	mm	2 850	3 320	3 440	3 870

*grab arm, without clam shell bucket
** without bucket

Working ranges & digging forces



Monoblock boom 4,5 m and
dipper arm 2,0 m, 2,45 m, 2,6 m, 3,1 m

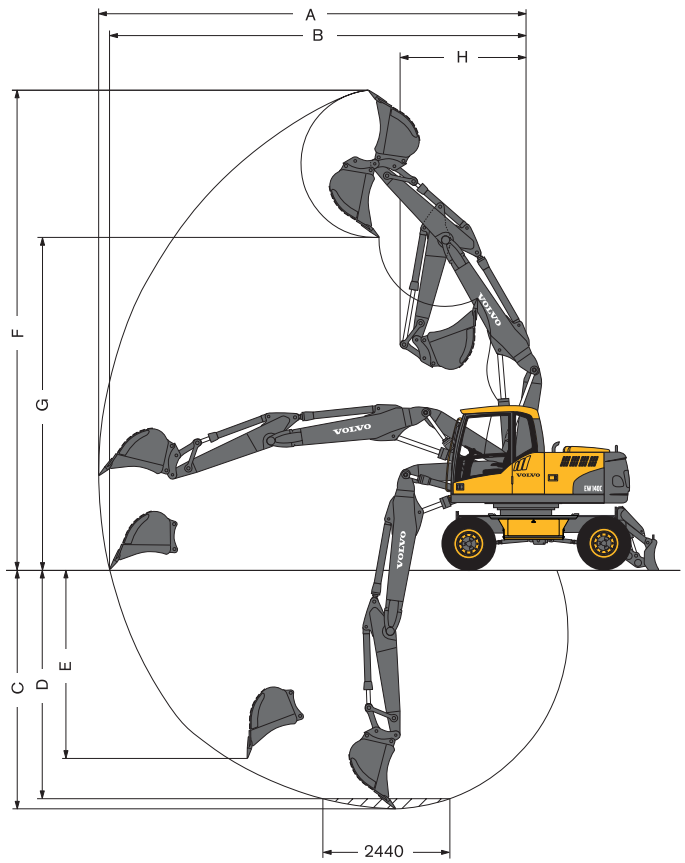


Monoblock boom 4,5 m and
grab arm 2,95 m

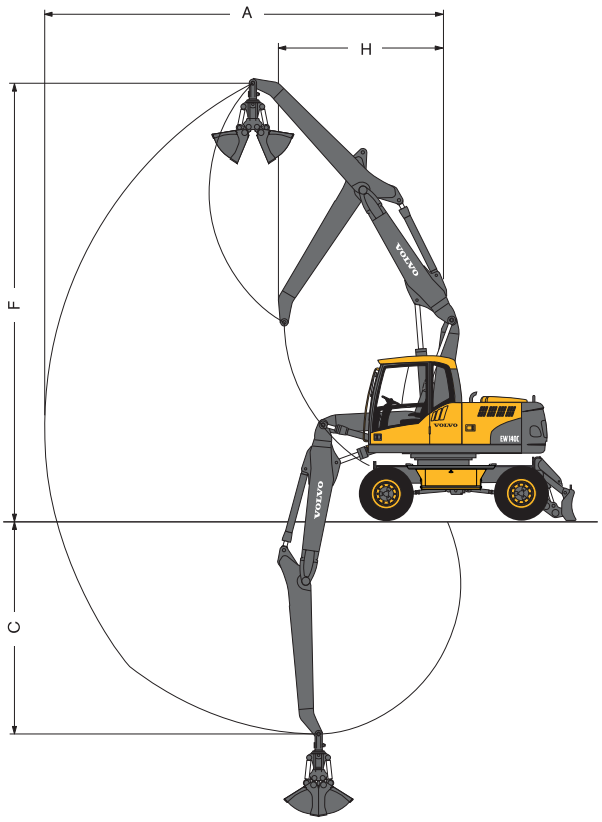
Description		Unit	4,5 m Monoblock boom				
			2,0 m arm	2,45 m arm	2,6 m arm	3,1 m arm	2,95 m Grab arm
A. Max. digging reach		mm	7 960	8 380	8 520	8 990	7 380
B. Max. digging reach on ground		mm	7 740	8 170	8 320	8 800	
C. Max. digging depth		mm	4 580	5 030	5 180	5 680	4 120
D. Max. digging depth (2 440 mm level)		mm	4 350	4 830	4 990	5 510	
E. Max. vertical wall digging depth		mm	3 850	4 280	4 420	4 900	
F. Max. cutting height		mm	8 290	8 530	8 610	8 880	7 340
G. Max. dumping height		mm	5 610	5 850	5 930	6 200	
H. Min. front slew radius		mm	2 700	2 710	2 720	2 730	3 270
Digging forces with direct fit bucket							
Bucket radius		mm	1 233	1 233	1 233	1 233	
Breakout force - bucket	(SAE/ISO)	kN	94,0 / 108,2	94,0 / 108,2	94,0 / 108,2	94,0 / 108,2	
Tearout force	(SAE/ISO)	kN	70,3 / 72,9	61,5 / 63,5	59,1 / 60,9	52,1 / 53,5	
Rotation angle, bucket		°	177°	177°	177°	177°	
Max. recommended sizes for direct fit buckets							
GP-Bucket (1,5 t/m³)		l	975	875	850	750	
GP-Bucket (1,8 t/m³)		l	875	775	750	650	
Max. recommended sizes for quick fit buckets							
S6 QF GP-Bucket (1,5 t/m³)		l	925	825	800	700	
S6 QF GP-Bucket (1,8 t/m³)		l	825	725	700	625	
UQF GP-Bucket (1,5 t/m³)		l	900	800	750	675	
UQF GP-Bucket (1,8 t/m³)		l	800	700	675	600	

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.

Working ranges & digging forces



2-piece boom 4,7 m and
dipper arm 2,0 m, 2,45 m, 2,6 m, 3,1 m

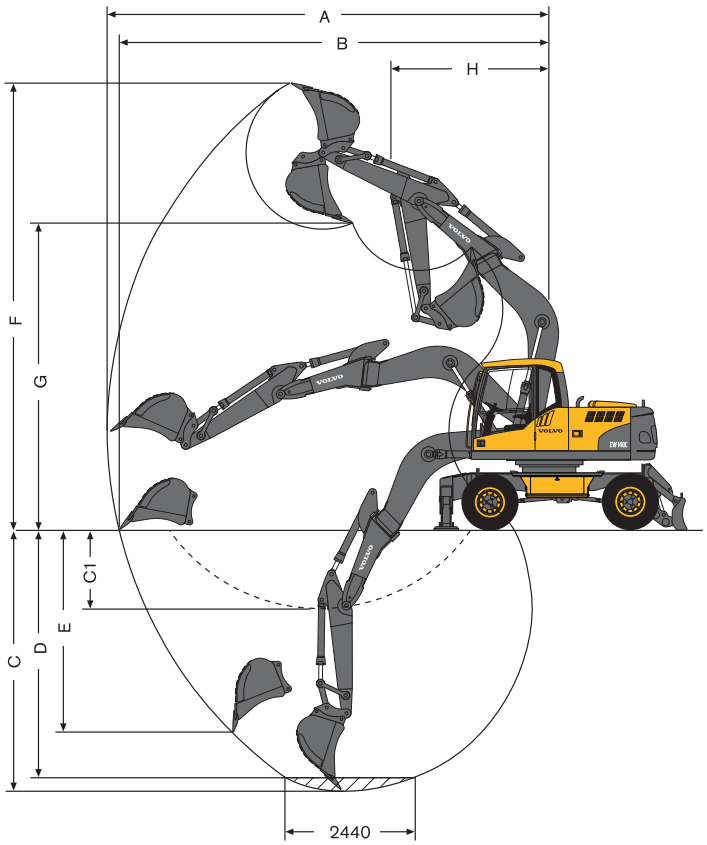


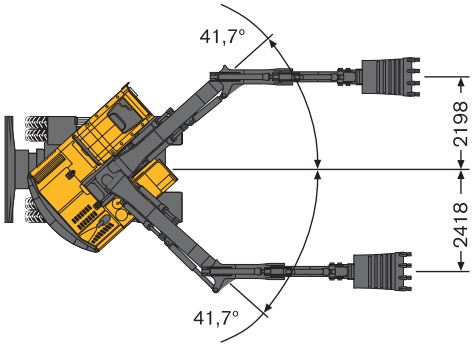
2-piece boom 4,7 m and
grab arm 2,95 m

Description		Unit	4,7 m 2 piece boom				
			2,0 m arm	2,45 m arm	2,6 m arm	3,1 m arm	2,95 m Grab arm
A. Max. digging reach		mm	8 220	8 650	8 790	9 270	7 660
B. Max. digging reach on ground		mm	8 010	8 450	8 600	9 080	
C. Max. digging depth		mm	4 620	5 070	5 220	5 710	4 130
D. Max. digging depth (2 440 mm level)		mm	4 500	4 9600	5 110	5 610	
E. Max. vertical wall digging depth		mm	3 640	4 070	4 210	4 690	
F. Max. cutting height		mm	9 200	9 530	9 640	10 010	8 390
G. Max. dumping height		mm	6 370	6 700	6 810	7 180	
H. Min. front slew radius		mm	2 430	2 550	2 590	2 730	3 220
Digging forces with direct fit bucket							
Bucket radius		mm	1 233	1 233	1 233	1 233	
Breakout force - bucket	(SAE/ISO)	kN	94,0 / 108,2	94,0 / 108,2	94,0 / 108,2	94,0 / 108,2	
Tearout force	(SAE/ISO)	kN	70,3 / 72,9	61,5 / 63,5	59,1 / 60,9	52,1 / 53,5	
Rotation angle, bucket		°	177°	177°	177°	177°	
Max. recommended sizes for direct fit buckets							
GP-Bucket (1,5 t/m³)		l	875	775	750	675	
GP-Bucket (1,8 t/m³)		l	775	700	675	575	
Max. recommended sizes for quick fit buckets							
S6 QF GP-Bucket (1,5 t/m³)		l	825	725	700	625	
S6 QF GP-Bucket (1,8 t/m³)		l	725	650	625	550	
UQF GP-Bucket (1,5 t/m³)		l	800	700	675	575	
UQF GP-Bucket (1,8 t/m³)		l	700	625	600	500	

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.

Working ranges & digging forces





Mono offset boom 4,75 m and
dipper arm 2,0 m, 2,45 m, 2,6 m, 3,1 m

Description		Unit	4,75 m Mono offset boom			
			2,0 m arm	2,45 m arm	2,6 m arm	3,1 m arm
A. Max. digging reach		mm	8 150	8 560	8 700	9 160
B. Max. digging reach on ground		mm	7 940	8 360	8 500	9 010
C. Max. digging depth		mm	4 840	5 290	5 440	5 940
C1. Max. digging depth at max. attachment offset with vertical trench walls		mm	1 470	1 920	2 070	2 570
D. Max. digging depth (2 440 mm level)		mm	4 590	5 070	5 230	5 760
E. Max. vertical wall digging depth		mm	3 790	4 190	4 330	4 810
F. Max. cutting height		mm	8 230	8 440	8 510	8 740
G. Max. dumping height		mm	5 650	5 860	5 920	6 150
H. Min. front slew radius		mm	2 940	2 920	2 910	2 960
Digging forces with direct fit bucket						
Bucket radius		mm	1 233	1 233	1 233	1 233
Breakout force - bucket	(SAE/ISO)	kN	94,0 / 108,2	94,0 / 108,2	94,0 / 108,2	94,0 / 108,2
Tearout force	(SAE/ISO)	kN	70,3 / 72,9	61,5 / 63,5	59,1 / 60,9	52,1 / 53,5
Rotation angle, bucket		°	177°	177°	177°	177°
Max. recommended sizes for direct fit buckets						
GP-Bucket (1,5 t/m³)		l	850	750	725	650
GP-Bucket (1,8 t/m³)		l	750	675	650	575
Max. recommended sizes for quick fit buckets						
S6 QF GP-Bucket (1,5 t/m³)		l	800	700	675	600
S6 QF GP-Bucket (1,8 t/m³)		l	700	625	600	525
UQF GP-Bucket (1,5 t/m³)		l	750	675	650	550
UQF GP-Bucket (1,8 t/m³)		l	675	600	575	500

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.

Lifting capacity

At the arm end, without bucket and quick fit. Unit: 1000 kg.
For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

Across under-carriage / Along under-carriage	Lifting hook related to ground level	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. reach				
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m
4,5 m monoblock boom 2,0 m dipper arm Front dozer blade Rear outriggers	7,5 m																									
	6,0 m									3,6	4,1*	4,1*	4,1*									3,0	3,4*	3,4*	3,4*	4,9
	4,5 m									3,5	4,3*	4,3*	4,3*									2,2	3,2*	3,2*	3,2*	5,9
	3,0 m					5,9	8,0*	8,0*	8,0*	3,3	5,2*	5,2*	5,2*	2,1	3,7	3,5	4,3*					1,9	3,3*	3,2	3,3*	6,4
	1,5 m									3,1	5,7	5,3	6,1*	2,1	3,6	3,4	4,6*					1,8	3,2	3,0	3,6*	6,5
	0,0 m					5,3	7,1*	7,1*	7,1*	2,9	5,5	5,2	6,5*	2,0	3,6	3,4	4,8*					1,9	3,4	3,2	4,2*	6,3
	-1,5 m					5,3	9,1*	9,1*	9,1*	2,9	5,5	5,1	6,2*									2,2	4,0	3,7	4,7*	5,6
	-3,0 m					5,5	6,8*	6,8*	6,8*													3,3	4,6*	4,6	4,6*	4,3
4,5 m monoblock boom 2,45 m dipper arm Front dozer blade Rear outriggers	7,5 m																									
	6,0 m																					2,6	2,7*	2,7*	2,7*	5,5
	4,5 m									3,5	3,9*	3,9*	3,9*	2,2	3,7*	3,6	3,7*					2,0	2,5*	2,5*	2,5*	6,4
	3,0 m					6,1	7,0*	7,0*	7,0*	3,3	4,8*	4,8*	4,8*	2,1	3,8	3,5	4,0*					1,7	2,6*	2,6*	2,6*	6,8
	1,5 m					5,4	6,7*	6,7*	6,7*	3,1	5,7	5,3	5,8*	2,0	3,6	3,4	4,4*					1,6	2,8*	2,7	2,8*	6,9
	0,0 m					5,2	7,3*	7,3*	7,3*	2,9	5,5	5,1	6,4*	2,0	3,5	3,3	4,7*					1,7	3,0	2,8	3,2*	6,7
	-1,5 m	5,9*	5,9*	5,9*	5,9*	5,2	9,5*	9,5*	9,5*	2,9	5,4	5,1	6,3*	1,9	3,5	3,3	4,4*					1,9	3,5	3,3	4,2*	6,1
	-3,0 m					5,3	7,7*	7,7*	7,7*	2,9	5,1*	5,1*	5,1*									2,6	4,5*	4,5	4,5*	4,9
4,5 m monoblock boom 2,6 m dipper arm Front dozer blade Rear outriggers	7,5 m																									
	6,0 m																					2,5	2,5*	2,5*	2,5*	5,7
	4,5 m									3,6	3,7*	3,7*	3,7*	2,2	3,6*	3,6*	3,6*					1,9	2,4*	2,4*	2,4*	6,5
	3,0 m					6,2	6,7*	6,7*	6,7*	3,3	4,7*	4,7*	4,7*	2,1	3,8	3,5	3,9*					1,7	2,4*	2,4*	2,4*	7,0
	1,5m					5,5	7,6*	7,6*	7,6*	3,1	5,7	5,3	5,7*	2,0	3,6	3,4	4,4*					1,6	2,6*	2,6*	2,6*	7,1
	0,0 m					5,2	7,3*	7,3*	7,3*	2,9	5,5	5,1	6,4*	2,0	3,5	3,3	4,7*					1,6	2,9	2,7	3,0*	6,8
	-1,5 m	5,6*	5,6*	5,6*	5,6*	5,2	9,7*	9,7*	9,7*	2,9	5,4	5,1	6,3*	1,9	3,5	3,3	4,5*					1,8	3,3	3,1	3,8*	6,2
	-3,0 m					5,3	8,0*	8,0*	8,0*	2,9	5,3	5,1	5,3*									2,5	4,4*	4,2	4,4*	5,1
4,5 m monoblock boom 3,1 m dipper arm Front dozer blade Rear outriggers	7,5 m																					2,3*	2,3*	2,3*	2,3*	4,9
	6,0 m													2,3	2,5*	2,5*	2,5*					2,0*	2,0*	2,0*	2,0*	6,3
	4,5 m													2,3	3,2*	3,2*	3,2*					1,7	1,9*	1,9*	1,9*	7,1
	3,0 m									3,4	4,2*	4,2*	4,2*	2,2	3,6*	3,6	3,6*					1,5	1,9*	1,9*	1,9*	7,5
	1,5 m					5,6	8,5*	8,5*	8,5*	3,1	5,3*	5,3*	5,3*	2,0	3,6	3,4	4,1*	1,4	2,3*	2,3*	2,3*	1,4	2,0*	2,0*	2,0*	7,6
	0,0 m	2,5*	2,5*	2,5*	2,5*	5,1	7,7*	7,8*	7,7*	2,9	5,5	5,1	6,1*	1,9	3,5	3,3	4,5*					1,5	2,3*	2,3*	2,3*	7,3
	-1,5 m	4,9*	4,9*	4,9*	4,9*	5,1	9,9*	9,9*	9,9*	2,8	5,4	5,0	6,4*	1,9	3,5	3,2	4,6*					1,6	2,8*	2,7	2,8*	6,8
	-3,0 m	8,0*	8,0*	8,0*	8,0*	5,1	8,7*	8,7*	8,7*	2,8	5,4	5,0	5,8*									2,0	3,7	3,5	4,1*	5,7
4,5 m monoblock boom 2,95 m dipper arm for grab Front dozer blade Rear outriggers	7,5 m																									
	6,0 m													2,5	3,2*	3,2*	3,2*					2,5	3,2*	3,2*	3,2*	6,0
	4,5 m													2,5	3,6*	3,6*	3,6*					2,0	3,1*	3,1*	3,1*	6,9
	3,0 m									3,6	4,6*	4,6*	4,6*	2,4	4,0*	3,8	4,0*					1,8	3,0	2,8	3,1*	7,3
	1,5 m									3,4	5,8*	5,6	5,8*	2,3	3,9	3,6	4,5*					1,7	2,9	2,7	3,4*	7,4
	0,0 m					5,5	7,9*	7,9*	7,9*	3,2	5,8	5,4	6,5*	2,2	3,8	3,5	4,9*					1,7	3,0	2,8	3,8*	7,1
	-1,5 m	5,4*	5,4*	5,4*	5,4*	5,5	10,2*	10,2*	10,2*	3,1	5,7	5,3	6,7*	2,1	3,7	3,5	4,9*					1,9	3,3	3,1	4,3*	6,6
	-3,0 m	9,3*	9,3*	9,3*	9,3*	5,5	8,9*	8,9*	8,9*	3,1	5,7	5,3	6,0*									2,4	4,3	4,0	4,6*	5,5
4,5 m monoblock boom 2,0 m dipper arm Front and rear outriggers	7,5 m																									
	6,0 m									3,6	4,1*	4,1*	4,1*									3,1	3,4*	3,4*	3,4*	4,9
	4,5 m									3,5	4,3*	4,3*	4,3*									2,2	3,2*	3,2*	3,2*	5,9
	3,0 m					5,9	8,0*	8,0*	8,0*	3,3	5,2*	5,2*	5,2*	2,1	4,3*	3,5	4,3*					1,9	3,3*	3,1	3,3*	6,4
	1,5 m									3,1	6,1*	5,3	6,1*	2,1	4,5	3,4	4,6*					1,8	3,6*	3,0	3,6*	6,5
	0,0 m					5,3	7,1*	7,1*	7,1*	3,0	6,5*	5,1	6,5*	2,0	4,5	3,3	4,8*					1,9	4,2	3,1	4,2*	6,3
	-1,5 m					5,3	9,1*	9,1*	9,1*	2,9	6,2*	5,1	6,2*									2,2	4,7	3,7	4,7*	5,6
	-3,0 m					5,5	6,8*	6,8*	6,8*													3,3	4,6*	4,6	4,6*	4,3

Notes:
1. Working pressure with Power Boost = 36 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

At the arm end, without bucket and quick fit. Unit: 1000 kg.
For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

Across under-carriage / Along under-carriage	Lifting hook related to ground level	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. reach				
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m
4,5 m monoblock boom 2,45 m dipper arm Front and rear outriggers	7,5 m																									
	6,0 m																					2,6	2,7*	2,7*	2,7*	5,5
	4,5 m									3,6	3,9*	3,9*	3,9*	2,2	3,7*	3,6	3,7*					2,0	2,5*	2,5*	2,5*	6,4
	3,0 m					6,1	7,0*	7,0*	7,0*	3,3	4,8*	4,8*	4,8*	2,1	4,0*	3,5	4,0*					1,7	2,6*	2,6*	2,6*	6,8
	1,5 m					5,4	6,7*	6,7*	6,7*	3,1	5,8*	5,3	5,8*	2,0	4,4*	3,4	4,4*					1,6	2,8*	2,7	2,8*	6,9
	0,0 m					5,2	7,3*	7,3*	7,3*	2,9	6,4*	5,1	6,4*	2,0	4,4	3,3	4,7*					1,7	3,2*	2,8	3,2*	6,7
	-1,5 m	5,9*	5,9*	5,9*	5,9*	5,2	9,5*	9,5*	9,5*	2,9	6,3*	5,0	6,3*	2,0	4,4	3,3	4,4*					1,9	4,2*	3,2	4,2*	6,1
	-3,0 m					5,3	7,7*	7,7*	7,7*	2,9	5,1*	5,1	5,1*									2,6	4,5*	4,5	4,5*	4,9
4,5 m monoblock boom 2,6 m dipper arm Front and rear outriggers	7,5 m																									
	6,0 m																					2,5	2,5*	2,5*	2,5*	5,7
	4,5 m									3,6	3,7*	3,7*	3,7*	2,2	3,6*	3,6	3,6*					1,9	2,4*	2,4*	2,4*	6,5
	3,0 m					6,2	6,7*	6,7*	6,7*	3,3	4,7*	4,7*	4,7*	2,2	3,9*	3,5	3,9*					1,7	2,4*	2,4*	2,4*	7,0
	1,5 m					5,5	7,6*	7,6*	7,6*	3,1	5,7*	5,3	5,7*	2,0	4,4*	3,4	4,4*					1,6	2,6*	2,6*	2,6*	7,1
	0,0 m					5,2	7,3*	7,3*	7,3*	2,9	6,4*	5,1	6,4*	2,0	4,4	3,3	4,7*					1,6	3,0*	2,7	3,0*	6,8
	-1,5 m	5,6*	5,6*	5,6*	5,6*	5,2	9,7*	9,7*	9,7*	2,9	6,3*	5,0	6,3*	1,9	4,4	3,3	4,5*					1,8	3,8*	3,1	3,8*	6,2
	-3,0 m					5,3	8,0*	8,0*	8,0*	2,9	5,3*	5,1	5,3*									2,5	4,4*	4,2	4,4*	5,1
4,5 m monoblock boom 3,1 m dipper arm Front and rear outriggers	7,5 m																					2,3*	2,3*	2,3*	2,3*	4,9
	6,0 m													2,3	2,5*	2,5*	2,5*					2,0*	2,0*	2,0*	2,0*	6,3
	4,5 m													2,3	3,2*	3,2*	3,2*					1,7	1,9*	1,9*	1,9*	7,1
	3,0 m									3,4	4,2*	4,2*	4,2*	2,2	3,6*	3,5	3,6*					1,5	1,9*	1,9*	1,9*	7,5
	1,5 m					5,6	8,5*	8,5*	8,5*	3,1	5,3*	5,3*	5,3*	2,0	4,1*	3,4	4,1*	1,4	2,3*	2,3*	2,3*	1,4	2,0*	2,0*	2,0*	7,6
	0,0 m	2,5*	2,5*	2,5*	2,5*	5,2	7,7*	7,7*	7,7*	2,9	6,1*	5,1	6,1*	1,9	4,4	3,3	4,5*					1,4	2,3*	2,3*	2,3*	7,3
	-1,5 m	4,9*	4,9*	4,9*	4,9*	5,1	9,9*	9,9*	9,9*	2,8	6,4*	5,0	6,4*	1,9	4,4	3,2	4,6*					1,6	2,8*	2,7	2,8*	6,8
	-3,0 m	8,1*	8,1*	8,1*	8,1*	5,1	8,7*	8,7*	8,7*	2,8	5,8*	5,0	5,8*									2,1	4,1*	3,5	4,1*	5,7
4,5 m monoblock boom 2,95 m dipper arm for grab Front and rear outriggers	7,5 m																									
	6,0 m													2,5	3,2*	3,2*	3,2*					2,5	3,2*	3,2*	3,2*	6,0
	4,5 m													2,5	3,6*	3,6*	3,6*					2,0	3,1*	3,1*	3,1*	6,9
	3,0 m									3,6	4,6*	4,6*	4,6*	2,4	4,0*	3,7	4,0*					1,8	3,1*	2,8	3,1*	7,3
	1,5 m									3,4	5,8*	5,6	5,8*	2,3	4,5*	3,6	4,5*					1,7	3,4*	2,7	3,4*	7,4
	0,0 m					5,5	7,9*	7,9*	7,9*	3,2	6,5*	5,4	6,5*	2,2	4,7	3,5	4,9*					1,7	3,6	2,8	3,8*	7,1
	-1,5 m	5,4*	5,4*	5,4*	5,4*	5,5	10,2*	10,2*	10,2*	3,1	6,7*	5,3	6,7*	2,1	4,6	3,5	4,9*					1,9	4,1	3,1	4,3*	6,6
	-3,0 m	9,3*	9,3*	9,3*	9,3*	8,9	8,9*	8,9*	8,9*	3,1	6,0*	5,3	6,0*									2,4	4,6*	4,0	4,6*	5,5
4,5 m monoblock boom 2,0 m dipper arm Rear dozer blade	7,5 m																									
	6,0 m									3,4	3,9	4,1*	4,1*									2,9	3,3	3,4*	3,4*	4,9
	4,5 m									3,3	3,8	4,3*	4,3*									2,1	2,4	3,2*	3,2*	5,9
	3,0 m					5,6	6,6	8,0*	8,0*	3,1	3,6	5,2*	5,2*	2,0	2,3	3,5	4,3*					1,8	2,1	3,2	3,3*	6,4
	1,5 m									2,9	3,3	5,3	6,1*	1,9	2,2	3,4	4,6*					1,7	2,0	3,0	3,6*	6,5
	0,0 m					4,9	5,9	7,1*	7,1*	2,7	3,2	5,2	6,5*	1,9	2,2	3,4	4,8*					1,7	2,0	3,2	4,2*	6,3
	-1,5 m					4,9	5,9	9,1*	9,1*	2,7	3,2	5,2	6,2*									2,0	2,4	3,7	4,7*	5,6
	-3,0 m					5,1	6,1	6,8*	6,8*													3,1	3,6	4,6	4,6*	4,3
4,5 m monoblock boom 2,45 m dipper arm Rear dozer blade	7,5 m																									
	6,0 m																					2,4	2,7*	2,7*	2,7*	5,5
	4,5 m									3,3	3,8	3,9*	3,9*	2,1	2,4*	3,6	3,7*					1,8	2,1	2,5*	2,5*	6,4
	3,0 m					5,7	6,8	7,0*	7,0*	3,1	3,6	4,8*	4,8*	2,0	2,3*	3,5	4,0*					1,6	1,8	2,6*	2,6*	6,8
	1,5 m					5,0	6,0	6,7*	6,7*	2,9	3,3	5,3	5,8*	1,9	2,2*	3,4	4,4*					1,5	1,8	2,7	2,8*	6,9
	0,0 m					4,8	5,8	7,3*	7,3*	2,7	3,2	5,1	6,4*	1,8	2,1*	3,3	4,7*					1,5	1,8	2,8	3,2*	6,7
	-1,5 m	5,9*	5,9*	5,9*	5,9*	4,8	5,8	9,5*	9,5*	2,7	3,1	5,1	6,3*	1,8	2,1*	3,3	4,4*					1,8	2,1	3,3	4,2*	6,1
	-3,0 m					5,0	5,9	7,7*	7,7*	2,7	3,2	5,1*	5,1*									2,4	2,9	4,5	4,5*	4,9

Notes:
1. Working pressure with Power Boost = 36 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

At the arm end, without bucket and quick fit. Unit: 1000 kg.
For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

Across under-carriage / Along under-carriage	Lifting hook related to ground level	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. reach				
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m
4,5 m monoblock boom 2,6 m dipper arm Rear dozer blade	7,5 m																									
	6,0 m																					2,3	2,5*	2,5*	2,5*	5,7
	4,5 m									3,4	3,7*	3,7*	3,7*	2,1	2,4	3,6*	3,6*					1,8	2,1	2,4*	2,4*	6,5
	3,0 m					5,8	6,7*	6,7*	6,7*	3,1	3,6	4,7*	4,7*	2,0	2,3	3,5	3,9*					1,5	1,8	2,4*	2,4*	7,0
	1,5 m					5,1	6,1	7,6*	7,6*	2,9	3,3	5,3	5,7*	1,9	2,2	3,4	4,4*					1,5	1,7	2,6*	2,6*	7,1
	0,0 m					4,8	5,8	7,3*	7,3*	2,7	3,2	5,1	6,4*	1,8	2,1	3,3	4,7*					1,5	1,7	2,8	3,0*	6,8
	-1,5 m	5,6*	5,6*	5,6*	5,6*	4,8	5,8	9,7*	9,7*	2,6	3,1	5,1	6,3*	1,8	2,1	3,3	4,5*					1,7	2,0	3,1	3,8*	6,2
	-3,0 m					4,9	5,9	8,0*	8,0*	2,7	3,2	5,2	5,3*									2,3	2,7	4,3	4,4*	5,1
4,5 m monoblock boom 3,1 m dipper arm Rear dozer blade	7,5 m																					2,3*	2,3*	2,3*	2,3*	4,9
	6,0 m													2,1	2,4	2,5*	2,5*					2,0	2,0*	2,0*	2,0*	6,3
	4,5 m													2,1	2,4	3,2*	3,2*					1,6	1,8	1,9*	1,9*	7,1
	3,0 m									3,2	3,7	4,2*	4,2*	2,0	2,3	3,6	3,6*					1,4	1,6	1,9*	1,9*	7,5
	1,5 m					5,2	6,2	8,5*	8,5*	2,9	3,4	5,3*	5,3*	1,9	2,2	3,4	4,1*	1,3	1,6	2,3*	2,3*	1,3	1,5	2,0*	2,0*	7,6
	0,0 m	2,5*	2,5*	2,5*	2,5*	4,8	5,8	7,7*	7,7*	2,7	3,2	5,1	6,1*	1,8	2,1	3,3	4,5*					1,3	1,5	2,3*	2,3*	7,3
	-1,5 m	4,9*	4,9*	4,9*	4,9*	4,7	5,7	9,9*	9,9*	2,6	3,1	5,0	6,4*	1,7	2,0	3,3	4,6*					1,5	1,7	2,7	2,8*	6,8
	-3,0 m	8,0*	8,0*	8,0*	8,0*	4,8	5,8	8,7*	8,7*	2,6	3,1	5,0	5,8*									1,9	2,2	3,5	4,1*	5,7
4,5 m monoblock boom 2,95 m dipper arm for grab Rear dozer blade	7,5 m																									
	6,0 m													2,3	2,6	3,2*	3,2*					2,3	2,6	3,2*	3,2*	6,0
	4,5 m													2,3	2,6	3,6*	3,6*					1,9	2,1	3,1*	3,1*	6,9
	3,0 m									3,4	3,9	4,6*	4,6*	2,2	2,5	3,8	4,0*					1,7	1,9	2,8	3,1*	7,3
	1,5 m									3,2	3,6	5,6	5,8*	2,1	2,4	3,7	4,5*					1,6	1,8	2,7	3,4*	7,4
	0,0 m					5,2	6,2	7,9*	7,9*	3,0	3,4	5,4	6,5*	2,0	2,3	3,6	4,9*					1,6	1,9	2,8	3,8*	7,1
	-1,5m	5,4*	5,4*	5,4*	5,4*	5,1	6,1	10,2*	10,2*	2,9	3,4	5,3	6,7*	2,0	2,3	3,5	4,9*					1,8	2,1	3,1	4,3*	6,6
	-3,0 m	9,3*	9,3*	9,3*	9,3*	5,2	6,1	8,9*	8,9*	2,9	3,4	5,4	6,0*									2,3	2,6	4,0	4,6*	5,5
4,7 m 2-piece boom 2,0 m dipper arm Front dozer blade Rear outriggers	7,5 m																					4,4*	4,4*	4,4*	4,4*	3,5
	6,0 m									3,6	4,1*	4,1*	4,1*									2,7	3,5*	3,5*	3,5*	5,3
	4,5 m					5,6*	5,6*	5,6*	5,6*	3,4	4,4*	4,4*	4,4*	2,1	3,8	3,6*	4,0*					2,0	3,2*	3,2*	3,2*	6,2
	3,0 m									3,2	5,3*	5,3*	5,3*	2,1	3,7	3,5*	4,2*					1,7	3,1	2,9	3,2*	6,7
	1,5 m									2,9	5,5	5,2	6,1*	2,0	3,6	3,4*	4,5*					1,6	3,0	2,8	3,4*	6,8
	0,0 m					5,0*	5,0*	5,0*	5,0*	2,8	5,4	5,0	6,3*	1,9	3,5	3,3*	4,6*					1,7	3,1	2,9	3,9*	6,5
	-1,5 m					5,1	8,5*	8,5*	8,5*	2,8	5,4	5,0	5,9*									2,0	3,6	3,4	4,1*	5,9
	-3,0 m																									
4,7 m 2-piece boom 2,45 m dipper arm Front dozer blade Rear outriggers	7,5 m																					3,3*	3,3*	3,3*	3,3*	4,3
	6,0 m									3,6*	3,6*	3,6*	3,6*									2,3	2,7*	2,7*	2,7*	5,8
	4,5 m									3,5	4,0*	4,0*	4,0*	2,2	3,7*	3,6	3,7*					1,8	2,5*	2,5*	2,5*	6,7
	3,0 m					5,9	7,4*	7,4*	7,4*	3,2	4,9*	4,9*	4,9*	2,1	3,7	3,5	4,0*					1,5	2,6*	2,6*	2,6*	7,1
	1,5 m									2,9	5,6	5,2	5,8*	1,9	3,6	3,3	4,4*					1,5	2,7	2,5	2,7*	7,2
	0,0 m					4,9	5,4*	5,4*	5,4*	2,8	5,4	5,0	6,3*	1,9	3,5	3,2	4,6*					1,5	2,8	2,6	3,0*	7,0
	-1,5 m					4,9	9,0*	9,0*	9,0*	2,7	5,3	4,9	6,1*	1,8	3,5	3,2	4,3*					1,7	3,2	3,0	3,7*	6,4
	-3,0 m																									
4,7 m 2-piece boom 2,6 m dipper arm Front dozer blade Rear outriggers	7,5 m									3,1*	3,1*	3,1*	3,1*									3,0*	3,0*	3,0*	3,0*	4,5
	6,0 m									3,5	3,5*	3,5*	3,5*	2,2	2,6*	2,6*	2,6*					2,2	2,5*	2,5*	2,5*	6,0
	4,5 m									3,5	3,9*	3,9*	3,9*	2,2	3,6*	3,6*	3,6*					1,7	2,4*	2,4*	2,4*	6,8
	3,0 m					6,0	7,1*	7,1*	7,1*	3,3	4,8*	4,8*	4,8*	2,1	3,7	3,5	3,9*					1,5	2,4*	2,4*	2,4*	7,3
	1,5 m									3,0	5,6	5,2	5,7*	2,0	3,6	3,3	4,3*					1,4	2,5*	2,4	2,5*	7,4
	0,0 m					4,9	5,5*	5,5*	5,5*	2,8	5,4	5,0	6,2*	1,9	3,5	3,2	4,5*					1,5	2,7	2,5	2,8*	7,1
	-1,5 m					4,9	9,0*	9,0*	9,0*	2,7	5,3	4,9	6,1*	1,8	3,4	3,2	4,4*					1,6	3,1	2,8	3,4*	6,5
	-3,0 m																									

Notes:
1. Working pressure with Power Boost = 36 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

At the arm end, without bucket and quick fit. Unit: 1000 kg.
For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

Across undercarriage / Along undercarriage	Lifting hook related to ground level	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. reach				
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m
4,7 m 2-piece boom 3,1 m dipper arm Front dozer blade Rear outriggers	7,5 m									3,2*	3,2*	3,2*	3,2*									2,3*	2,3*	2,3*	2,3*	5,3
	6,0 m													2,3	3,0*	3,0*	3,0*					1,9	2,0*	2,0*	2,0*	6,6
	4,5 m									3,4*	3,4*	3,4*	3,4*	2,2	3,2*	3,2*	3,2*					1,5	1,9*	1,9*	1,9*	7,4
	3,0 m					6,0*	6,0*	6,0*	6,0*	3,3	4,3*	4,3*	4,3*	2,1	3,6*	3,5	3,6*	1,4	2,6	2,4	2,7*	1,3	2,0*	2,0*	2,0*	7,8
	1,5 m					5,3	7,3*	7,3*	7,3*	3,0	5,4*	5,3	5,4*	2,0	3,6	3,4	4,1*	1,4	2,5	2,4	3,2*	1,3	2,0*	2,0*	2,0*	7,8
	0,0 m					4,9	5,8*	5,8*	5,8*	2,7	5,4	5,0	6,1*	1,8	3,4	3,2	4,4*	1,3	2,5	2,3	2,8*	1,3	2,2*	2,2*	2,2*	7,6
	-1,5 m					4,8	8,1*	8,1*	8,1*	2,6	5,2	4,9	6,2*	1,8	3,4	3,2	4,4*					1,4	2,6*	2,5	2,6*	7,1
	-3,0 m					4,9	8,2*	8,2*	8,2*	2,7	5,3	4,9	5,5*	1,8	3,4	3,2	3,7*					1,8	3,4	3,2	3,6*	6,0
4,7 m 2-piece boom 2,95 m dipper arm for grab Front dozer blade Rear outriggers	7,5 m									3,6*	3,6*	3,6*	3,6*									3,2	3,6*	3,6*	3,6*	5,0
	6,0 m									3,3*	3,3*	3,3*	3,3*	2,5	3,5*	3,5*	3,5*					2,2	3,2*	3,2*	3,2*	6,4
	4,5 m									3,8	3,8*	3,8*	3,8*	2,4	3,6*	3,6*	3,6*					1,8	3,1	2,9	3,1*	7,2
	3,0 m									3,5	4,7*	4,7*	4,7*	2,3	4,0	3,7	4,0*	1,6	2,8	2,6	3,4*	1,6	2,8	2,6	3,1*	7,6
	1,5 m									3,2	5,8*	5,5	5,8*	2,2	3,8	3,6	4,4*	1,6	2,8	2,6	3,8*	1,5	2,7	2,5	3,3*	7,7
	0,0 m									3,0	5,6	5,3	6,5*	2,1	3,7	3,5	4,8*					1,6	2,8	2,6	3,6*	7,4
	-1,5 m					5,2	8,9*	8,9*	8,9*	3,0	5,5	5,2	6,5*	2,0	3,7	3,4	4,7*					1,7	3,0	2,9	3,9*	6,9
	-3,0 m									3,0	5,6	5,2	5,7*									2,2	3,9	3,7	4,2*	5,7
4,7 m 2-piece boom 2,0 m dipper arm Front and rear outriggers	7,5 m																					4,4*	4,4*	4,4*	4,4*	3,5
	6,0 m									3,6	4,1*	4,1*	4,1*									2,7	3,5*	3,5*	3,5*	5,3
	4,5 m					5,6*	5,6*	5,6*	5,6*	3,5	4,4*	4,4*	4,4*	2,2	4,0*	3,5	4,0*					2,0	3,2*	3,2*	3,2*	6,2
	3,0 m									3,2	5,3*	5,3*	5,3*	2,1	4,2*	3,4	4,2*					1,7	3,2*	2,9	3,2*	6,7
	1,5 m									2,9	6,1*	5,1	6,1*	2,0	4,5	3,3	4,5*					1,6	3,4*	2,8	3,4*	6,8
	0,0 m					5,0*	5,0*	5,0*	5,0*	2,8	6,3*	5,0	6,3*	1,9	4,4	3,3	4,6*					1,7	3,9	2,9	3,9*	6,5
	-1,5 m					5,1	8,5*	8,5*	8,5*	2,8	5,9*	5,0	5,9*									2,0	4,1*	3,4	4,1*	5,9
	-3,0m																									
4,7 m 2-piece boom 2,45 m dipper arm Front and rear outriggers	7,5 m																					3,3*	3,3*	3,3*	3,3*	4,3
	6,0 m									3,6*	3,6*	3,6*	3,6*									2,3	2,7*	2,7*	2,7*	5,8
	4,5 m									3,5	4,0*	4,0*	4,0*	2,2	3,7*	3,6	3,7*					1,8	2,5*	2,5*	2,5*	6,7
	3,0 m					5,9	7,4*	7,4*	7,4*	3,2	4,9*	4,9*	4,9*	2,1	4,0*	3,5	4,0*					1,6	2,6*	2,6*	2,6*	7,1
	1,5 m									2,9	5,8*	5,2	5,8*	2,0	4,4*	3,3	4,4*					1,5	2,7*	2,5	2,7*	7,2
	0,0 m					4,9	5,4*	5,4*	5,4*	2,8	6,3*	5,0	6,3*	1,9	4,4	3,2	4,6*					1,5	3,0*	2,6	3,0*	7,0
	-1,5 m					5,0	9,0*	9,0*	9,0*	2,7	6,1*	4,9	6,1*	1,8	4,3*	3,2	4,3*					1,7	3,7*	2,9	3,7*	6,4
	-3,0 m																									
4,7 m 2-piece boom 2,6 m dipper arm Front and rear outriggers	7,5 m									3,1*	3,1*	3,1*	3,1*									3,0*	3,0*	3,0*	3,0*	4,5
	6,0 m									3,5*	3,5*	3,5*	3,5*	2,2	2,6*	2,6*	2,6*					2,2	2,5*	2,5*	2,5*	6,0
	4,5 m									3,5	3,9*	3,9*	3,9*	2,2	3,6*	3,6*	3,6*					1,7	2,4*	2,4*	2,4*	6,8
	3,0 m					6,0	7,1*	7,1*	7,1*	3,3	4,8*	4,8*	4,8*	2,1	3,9*	3,5	3,9*					1,5	2,4*	2,4*	2,4*	7,3
	1,5 m									3,0	5,7*	5,2	5,7*	2,0	4,3*	3,3	4,3*					1,4	2,5*	2,4	2,5*	7,4
	0,0 m					5,0	5,5*	5,5*	5,5*	2,8	6,2*	5,0	6,2*	1,9	4,4	3,2	4,5*					1,5	2,8*	2,5	2,8*	7,1
	-1,5 m					5,0	9,0*	9,0*	9,0*	2,7	6,1*	4,9	6,1*	1,8	4,3	3,2	4,4*					1,6	3,4*	2,8	3,4*	6,5
	-3,0 m																									
4,7 m 2-piece boom 3,1 m dipper arm Front and rear outriggers	7,5 m									3,2*	3,2*	3,2*	3,2*									2,3*	2,3*	2,3*	2,3*	5,3
	6,0 m													2,3	3,0*	3,0*	3,0*					1,9	2,0*	2,0*	2,0*	6,6
	4,5 m									3,4*	3,4*	3,4*	3,4*	2,2	3,2*	3,2*	3,2*					1,5	1,9*	1,9*	1,9*	7,4
	3,0 m					6,0*	6,0*	6,0*	6,0*	3,4	4,3*	4,3*	4,3*	2,1	3,6*	3,5	3,6*	1,4	2,7*	2,4	2,7*	1,3	1,9*	1,9*	1,9*	7,8
	1,5 m					5,3	7,3*	7,3*	7,3*	3,0	5,4*	5,2	5,4*	2,0	4,1*	3,3	4,1*	1,4	3,2	2,4	3,2*	1,3	2,0*	2,0*	2,0*	7,8
	0,0 m					4,9	5,8*	5,8*	5,8*	2,8	6,1*	5,0	6,1*	1,8	4,4*	3,2	4,4*	1,3	2,8*	2,3	2,8*	1,3	2,2*	2,2	2,2*	7,6
	-1,5 m					4,8	8,1*	8,1*	8,1*	2,7	6,1*	4,8	6,1*	1,8	4,3	3,1	4,4*					1,4	2,6*	2,5	2,6*	7,1
	-3,0 m					4,9	8,2*	8,2*	8,2*	2,7	5,5*	4,9	5,5*	1,8	3,7*	3,2	3,7*					1,8	3,6*	3,2	3,6*	6,0

Notes:
1. Working pressure with Power Boost = 36 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

At the arm end, without bucket and quick fit. Unit: 1000 kg.
For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

Across undercarriage / Along undercarriage	Lifting hook related to ground level	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. reach				
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m
4,7 m 2-piece boom 2,95 m dipper arm for grab Front and rear outriggers	7,5 m									3,6*	3,6*	3,6*	3,6*									3,2	3,6*	3,6*	3,6*	5,0
	6,0 m									3,3*	3,3*	3,3*	3,3*	2,5	3,5*	3,5*	3,5*					2,2	3,2*	3,2*	3,2*	6,4
	4,5 m									3,8*	3,8*	3,8*	3,8*	2,4	3,6*	3,6*	3,6*					1,8	3,1*	2,9	3,1*	7,2
	3,0 m									3,6	4,7*	4,7*	4,7*	2,3	4,0*	3,7	4,0*	1,7	3,4*	2,6	3,4*	1,6	3,1*	2,6	3,1*	7,6
	1,5 m									3,3	5,8*	5,5	5,8*	2,2	4,4*	3,6	4,4*	1,6	3,4	2,6	3,8*	1,6	3,3*	2,5	3,3*	7,7
	0,0 m									3,1	6,5*	5,2	6,5*	2,1	4,6	3,4	4,8*					1,6	3,4	2,6	3,6*	7,4
	-1,5 m					5,2	8,9*	8,9*	8,9*	3,0	6,5*	5,1	6,5*	2,1	4,6	3,4	4,7*					1,7	3,8	2,8	3,9*	6,9
	-3,0 m									3,0	5,7*	5,2	5,7*									2,2	4,2*	3,7	4,2*	5,7
4,7 m 2-piece boom 2,0 m dipper arm Rear dozer blade	7,5 m																					4,4*	4,4*	4,4*	4,4*	3,5
	6,0 m									3,4	3,9	4,1*	4,1*									2,5	2,9	3,5*	3,5*	5,3
	4,5 m					5,6*	5,6*	5,6*	5,6*	3,2	3,7	4,4*	4,4*	2,0	2,3	3,6	4,0*					1,9	2,2	3,2*	3,2*	6,2
	3,0 m									3,0	3,5	5,3*	5,3*	1,9	2,2	3,5	4,2*					1,6	1,9	2,9	3,2*	6,7
	1,5 m									2,7	3,2	5,2	6,1*	1,8	2,1	3,4	4,5*					1,5	1,8	2,8	3,4*	6,8
	0,0 m					4,7	5,0*	5,0*	5,0*	2,6	3,1	5,1	6,3*	1,8	2,1	3,3	4,6*					1,6	1,8	2,9	3,9*	6,5
	-1,5 m					4,7	5,7	8,5*	8,5*	2,6	3,1	5,0	5,9*									1,8	2,1	3,4	4,1*	5,9
	-3,0 m																									
4,7 m 2-piece boom 2,45 m dipper arm Rear dozer blade	7,5 m																					3,3*	3,3*	3,3*	3,3*	4,3
	6,0 m									3,4	3,6*	3,6*	3,6*									2,1	2,5	2,7*	2,7*	5,8
	4,5 m									3,3	3,8	4,0*	4,0*	2,0	2,3	3,6	3,7*					1,6	1,9	2,5*	2,5*	6,7
	3,0 m					5,5	6,6	7,4*	7,4*	3,0	3,5	4,9*	4,9*	1,9	2,2	3,5	4,0*					1,4	1,7	2,6*	2,6*	7,1
	1,5 m									2,7	3,2	5,2	5,8*	1,8	2,1	3,4	4,4*					1,3	1,6	2,5	2,7*	7,2
	0,0 m					4,6	5,4*	5,4*	5,4*	2,6	3,0	5,0	6,3*	1,7	2,0	3,3	4,6*					1,4	1,6	2,6	3,0*	7,0
	-1,5 m					4,6	5,6	9,0*	9,0*	2,5	3,0	5,0	6,1*	1,7	2,0	3,2	4,3*					1,6	1,9	3,0	3,7*	6,4
	-3,0 m																									
4,7 m 2-piece boom 2,6 m dipper arm Rear dozer blade	7,5 m									3,1*	3,1*	3,1*	3,1*									3,0*	3,0*	3,0*	3,0*	4,5
	6,0 m									3,5*	3,5*	3,5*	3,5*	2,1	2,4	2,6*	2,6*					2,0	2,4	2,5*	2,5*	6,0
	4,5 m									3,3	3,8	3,9*	3,9*	2,0	2,4	3,6*	3,6*					1,6	1,8	2,4*	2,4*	6,8
	3,0 m					5,6	6,7	7,1*	7,1*	3,0	3,5	4,8*	4,8*	1,9	2,3	3,5	3,9*					1,4	1,6	2,4*	2,4*	7,3
	1,5 m									2,7	3,2	5,2	5,7*	1,8	2,1	3,4	4,3*					1,3	1,5	2,5	2,5*	7,4
	0,0 m					4,6	5,5*	5,5*	5,5*	2,6	3,0	5,0	6,2*	1,7	2,0	3,3	4,5*					1,3	1,6	2,5	2,8*	7,1
	-1,5 m					4,6	5,5	9,0*	9,0*	2,5	3,0	5,0	6,1*	1,7	2,0	3,2	4,4*					1,5	1,8	2,9	3,4*	6,5
	-3,0 m																									
4,7 m 2-piece boom 3,1 m dipper arm Rear dozer blade	7,5 m									3,2*	3,2*	3,2*	3,2*									2,3*	2,3*	2,3*	2,3*	5,3
	6,0 m													2,1	2,4	3,0*	3,0*					1,7	2,0	2,0*	2,0*	6,6
	4,5 m									3,4*	3,4*	3,4*	3,4*	2,1	2,4	3,2*	3,2*					1,4	1,6	1,9*	1,9*	7,4
	3,0 m					5,9	6,0*	6,0*	6,0*	3,1	3,6	4,3*	4,3*	2,0	2,3	3,5	3,6*	1,3	1,5	2,4	2,7*	1,2	1,4	1,9*	1,9*	7,8
	1,5 m					5,0	5,9	7,3*	7,3*	2,8	3,3	5,3	5,4*	1,8	2,1	3,4	4,1*	1,2	1,5	2,4	3,2*	1,1	1,4	2,0*	2,0*	7,8
	0,0 m					4,5	5,5	5,8*	5,8*	2,5	3,0	5,0	6,1*	1,7	2,0	3,2	4,4*	1,2	1,4	2,3	2,8*	1,2	1,4	2,2*	2,2*	7,6
	-1,5 m					4,5	5,4	8,1*	8,1*	2,4	2,9	4,9	6,2*	1,6	1,9	3,2	4,4*					1,3	1,5	2,5	2,6*	7,1
	-3,0 m					4,6	5,5	8,2*	8,2*	2,5	2,9	4,9	5,5*	1,7	2,0	3,2	3,7*					1,7	2,0	3,2	3,6*	6,0
4,7 m 2-piece boom 2,95 m dipper arm for grab Rear dozer blades	7,5 m									3,6*	3,6*	3,6*	3,6*									3,0	3,5	3,6*	3,6*	5,0
	6,0 m									3,3*	3,3*	3,3*	3,3*	2,3	2,6	3,5*	3,5*					2,1	2,4	3,2*	3,2*	6,4
	4,5 m									3,6	3,8*	3,8*	3,8*	2,3	2,6	3,6*	3,6*					1,7	1,9	2,9	3,1*	7,2
	3,0 m									3,3	3,8	4,7*	4,7*	2,2	2,5	3,8	4,0*	1,5	1,8	2,7	3,4*	1,5	1,7	2,6	3,1*	7,6
	1,5 m									3,0	3,5	5,6	5,8*	2,1	2,4	3,6	4,4*	1,5	1,7	2,6	3,7	1,4	1,7	2,5	3,3*	7,7
	0,0 m									2,8	3,3	5,3	6,5*	1,9	2,3	3,5	4,8*					1,5	1,7	2,6	3,6*	7,4
	-1,5 m					4,9	5,8	8,9*	8,9*	2,8	3,2	5,2	6,5*	1,9	2,2	3,4	4,7*					1,6	1,9	2,9	3,9*	6,9
	-3,0 m									2,8	3,3	5,2	5,7*									2,1	2,4	3,7	4,2*	5,7

Notes: 1. Working pressure with Power Boost = 36 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

At the arm end, without bucket and quick fit. Unit: 1000 kg.
For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

Across under-carriage / Along under-carriage	Arm end (bucket pivot) related to ground level	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. reach				
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m
4,75 m mono offset boom 2,0 m dipper arm Front dozer blade Rear outriggers	7,5 m																									
	6,0 m									4,3	4,6*	4,6*	4,6*									3,3*	3,3*	3,3*	3,3*	5,2
	4,5 m									4,2	5,1*	5,1*	5,1*	2,6	3,9*	3,9*	3,9*					2,5	3,2*	3,2*	3,2*	6,2
	3,0 m									3,9	6,2*	6,2*	6,2*	2,5	4,4	4,2	5,0*					2,2	3,3*	3,3*	3,3*	6,6
	1,5 m									3,6	6,6	6,2	7,3*	2,4	4,3	4,0	5,5*					2,0	3,6	3,4	3,6*	6,7
	0,0 m					5,9*	5,9*	5,9*	5,9*	3,4	6,4	6,0	7,8*	2,3	4,2	3,9	5,7*					2,1	3,7	3,5	4,3*	6,5
	-1,5 m					6,1	10,8*	10,8*	10,8*	3,4	6,3	6,0	7,4*									2,4	4,3	4,1	5,5*	5,8
	-3,0 m					6,3	8,5*	8,5*	8,5*	3,5	5,7*	5,7*	5,7*									3,4	5,6*	5,6*	5,6*	4,6
	-4,5 m																									
4,75 m mono offset boom 2,45 m dipper arm Front dozer blade Rear outriggers	7,5 m																									
	6,0 m																					2,6*	2,6*	2,6*	2,6*	5,7
	4,5 m									4,3	4,6*	4,6*	4,6*	2,7	4,1*	4,1*	4,1*					2,3	2,5*	2,5*	2,5*	6,6
	3,0 m					7,1	8,7*	8,7*	8,7*	3,9	5,8*	5,8*	5,8*	2,5	4,4	4,2	4,7*					2,0	2,6*	2,6*	2,6*	7,0
	1,5 m					4,9*	4,9*	4,9*	4,9*	3,6	6,6	6,2	7,0*	2,4	4,3	4,0	5,2*					1,8	2,8*	2,8*	2,8*	7,1
	0,0 m					5,9	6,2*	6,2*	6,2*	3,4	6,3	6,0	7,6*	2,3	4,1	3,9	5,6*					1,9	3,3*	3,2	3,3*	6,9
	-1,5 m	5,6*	5,6*	5,6*	5,6*	5,9	10,0*	10,0*	10,0*	3,3	6,3	5,9	7,6*	2,2	4,1	3,9	5,4*					2,1	3,8	3,6	4,3*	6,3
	-3,0 m					6,1	9,5*	9,5*	9,5*	3,4	6,4	6,0	6,4*									2,8	5,2	4,9	5,3*	5,2
	-4,5 m																									
4,75 m mono offset boom 2,6 m dipper arm Front dozer blade Rear outriggers	7,5 m																									
	6,0 m																					2,4*	2,4*	2,4*	2,4*	5,9
	4,5 m									4,3	4,5*	4,5*	4,5*	2,7	3,9*	3,9*	3,9*					2,2	2,3*	2,3*	2,3*	6,7
	3,0 m					7,2	8,4*	8,4*	8,4*	4,0	5,6*	5,6*	5,6*	2,6	4,4	4,2	4,6*					1,9	2,4*	2,4*	2,4*	7,2
	1,5 m					5,6*	5,6*	5,6*	5,6*	3,6	6,6	6,3	6,9*	2,4	4,3	4,0	5,2*					1,8	2,6*	2,6*	2,6*	7,3
	0,0 m					5,9	6,3*	6,3*	6,3*	3,4	6,4	6,0	7,6*	2,3	4,1	3,9	5,6*					1,8	3,1*	3,1*	3,1*	7,0
	-1,5 m	5,4*	5,4*	5,4*	5,4*	5,9	9,6*	9,6*	9,6*	3,3	6,3	5,9	7,6*	2,2	4,1	3,9	5,5*					2,0	3,7	3,5	3,9*	6,4
	-3,0 m					6,1	9,8*	9,8*	9,8*	3,3	6,3	6,0	6,6*									2,7	4,9	4,6	5,2*	5,4
	-4,5 m																									
4,75 m mono offset boom 3,1 m dipper arm Front dozer blade Rear outriggers	7,5 m																									
	6,0 m													2,7*	2,7*	2,7*	2,7*					1,9*	1,9*	1,9*	1,9*	6,5
	4,5 m													2,7	3,5*	3,5*	3,5*					1,9*	1,9*	1,9*	1,9*	7,2
	3,0 m					7,0*	7,0*	7,0*	7,0*	4,0	5,1*	5,1*	5,1*	2,6	4,3*	4,3	4,3*	1,8	2,4*	2,4*	2,4*	1,7	1,9*	1,9*	1,9*	7,6
	1,5 m					6,4	8,4*	8,4*	8,4*	3,6	6,4*	6,3	6,4*	2,4	4,3	4,1	4,9*	1,7	2,9*	2,9	2,9*	1,6	2,1*	2,1*	2,1*	7,7
	0,0 m					5,9	6,6*	6,6*	6,6*	3,4	6,4	6,0	7,3*	2,3	4,1	3,9	5,4*	1,6	2,4*	2,4*	2,4*	1,6	2,4*	2,4*	2,4*	7,5
	-1,5 m	4,7*	4,7*	4,7*	4,7*	5,8	8,7*	8,7*	8,7*	3,2	6,2	5,8	7,6*	2,2	4,0	3,8	5,5*					1,8	2,9*	2,9*	2,9*	7,0
	-3,0 m	7,5*	7,5*	7,5*	7,5*	5,9	10,5*	10,5*	10,5*	3,2	6,2	5,9	7,0*									2,2	4,1	3,9	4,3*	6,0
	-4,5 m																									
4,75 m mono offset boom 2,0 m dipper arm Front and rear outriggers	7,5 m																									
	6,0 m									4,4	4,6*	4,6*	4,6*									3,3*	3,3*	3,3*	3,3*	5,2
	4,5 m									4,2	5,1*	5,1*	5,1*	2,7	3,9*	3,9*	3,9*					2,5	3,2*	3,2*	3,2*	6,2
	3,0 m									3,9	6,2*	6,2*	6,2*	2,6	5,0*	4,2	5,0*					2,2	3,3*	3,3*	3,3*	6,6
	1,5 m									3,6	7,3*	6,2	7,3*	2,4	5,3	4,0	5,5*					2,0	3,6*	3,4	3,6*	6,7
	0,0 m					5,9*	5,9*	5,9*	5,9*	3,4	7,8*	6,0	7,8*	2,3	5,2	3,9	5,7*					2,1	4,3*	3,5	4,3*	6,5
	-1,5 m					6,1	10,8*	10,8*	10,8*	3,4	7,4*	5,9	7,4*									2,4	5,5	4,1	5,5*	5,8
	-3,0 m					6,3	8,5*	8,5*	8,5*	3,5	5,7*	5,7*	5,7*									3,4	5,6*	5,6*	5,6*	4,6
	-4,5 m																									
4,75 m mono offset boom 2,45 m dipper arm Front and rear outriggers	7,5 m																									
	6,0 m																					2,6*	2,6*	2,6*	2,6*	5,7
	4,5 m									4,3	4,6*	4,6*	4,6*	2,7	4,1*	4,1*	4,1*					2,3	2,5*	2,5*	2,5*	6,6
	3,0 m					7,2	8,7*	8,7*	8,7*	4,0	5,8*	5,8*	5,8*	2,6	4,7*	4,2	4,7*					2,0	2,6*	2,6*	2,6*	7,0
	1,5 m					4,9*	4,9*	4,9*	4,9*	3,6	7,0*	6,2	7,0*	2,4	5,2*	4,0	5,2*					1,9	2,8*	2,8*	2,8*	7,1
	0,0 m					6,0	6,2*	6,2*	6,2*	3,4	7,6*	6,0	7,6*	2,3	5,2	3,9	5,6*					1,9	3,3*	3,2	3,3*	6,9
	-1,5 m	5,6*	5,6*	5,6*	5,6*	6,0	10,0*	10,0*	10,0*	3,3	7,6*	5,9	7,6*	2,3	5,1	3,8	5,4*					2,1	4,3*	3,6	4,3*	6,3
	-3,0 m					6,1	9,5*	9,5*	9,5*	3,4	6,4*	6,0	6,4*									2,8	5,3*	4,9	5,3*	5,2
	-4,5 m																									

Notes: 1. Working pressure with Power Boost = 36 MPa.
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3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

Lifting capacity

At the arm end, without bucket and quick fit. Unit: 1000 kg.
For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

Across under-carriage / Along under-carriage	Arm end (bucket pivot) related to ground level	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. reach				
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m
4,75 m mono offset boom 2,6 m dipper arm Front and rear outriggers	7,5 m																									
	6,0 m																					2,4*	2,4*	2,4*	2,4*	5,9
	4,5 m									4,3	4,5*	4,5*	4,5*	2,7	3,9*	3,9*	3,9*					2,2	2,3*	2,3*	2,3*	6,7
	3,0 m					7,3	8,4*	8,4*	8,4*	4,0	5,6*	5,6*	5,6*	2,6	4,6*	4,2	4,6*					1,9	2,4*	2,4*	2,4*	7,2
	1,5 m					5,6*	5,6*	5,6*	5,6*	3,6	6,9*	6,2	6,9*	2,4	5,2*	4,0	5,2*					1,8	2,6*	2,6*	2,6*	7,3
	0,0 m					6,0	6,3*	6,3*	6,3*	3,4	7,6*	6,0	7,6*	2,3	5,2	3,9	5,6*					1,8	3,1*	3,1*	3,1*	7,0
	-1,5 m	5,4*	5,4*	5,4*	5,4*	6,0	9,6*	9,6*	9,6*	3,3	7,6*	5,9	7,6*	2,2	5,1	3,8	5,5*					2,1	3,9*	3,5	3,9*	6,4
	-3,0 m					6,1	9,8*	9,8*	9,8*	3,4	6,6*	5,9	6,6*									2,7	5,2*	4,6	5,2*	5,4
	-4,5 m																									
4,75 m mono offset boom 3,1 m dipper arm Front and rear outriggers	7,5 m																									
	6,0 m													2,7*	2,7*	2,7*	2,7*					1,9*	1,9*	1,9*	1,9*	6,5
	4,5 m													2,8	3,5*	3,5*	3,5*					1,9*	1,9*	1,9*	1,9*	7,2
	3,0 m					7,0*	7,0*	7,0*	7,0*	4,1	5,1*	5,1*	5,1*	2,6	4,3*	4,2	4,3*	1,8	2,4*	2,4*	2,4*	1,7	1,9*	1,9*	1,9*	7,6
	1,5 m					6,5	8,4*	8,4*	8,4*	3,7	6,4*	6,3	6,4*	2,4	4,9*	4,0	4,9*	1,7	2,9*	2,9	2,9*	1,6	2,1*	2,1*	2,1*	7,7
	0,0 m					6,0	6,6*	6,6*	6,6*	3,4	7,3*	6,0	7,3*	2,3	5,2	3,9	5,4*	1,6	2,4*	2,4*	2,4*	1,6	2,4*	2,4*	2,4*	7,5
	-1,5 m	4,7*	4,7*	4,7*	4,7*	5,9	8,7*	8,7*	8,7*	3,3	7,6*	5,8	7,6*	2,2	5,1	3,8	5,5*					1,8	2,9*	2,9*	2,9*	7,0
	-3,0 m	7,5*	7,5*	7,5*	7,5*	6,0	10,5*	10,5*	10,5*	3,3	7,0*	5,8	7,0*									2,2	4,3*	3,8	4,3*	6,0
	-4,5 m																									
4,75 m mono offset boom 2,0 m dipper arm Rear dozer blade	7,5 m																									
	6,0 m									4,1	4,6*	4,6*	4,6*									3,2	3,3*	3,3*	3,3*	5,2
	4,5 m									4,0	4,5	5,1*	5,1*	2,5	2,8	3,9*	3,9*					2,4	2,7	3,2*	3,2*	6,2
	3,0 m									3,6	4,2	6,2*	6,2*	2,4	2,7	4,2	5,0*					2,0	2,3	3,3*	3,3*	6,6
	1,5 m									3,3	3,9	6,2	7,3*	2,2	2,6	4,0	5,5*					1,9	2,2	3,4	3,6*	6,7
	0,0 m					5,6	5,9*	5,9*	5,9*	3,2	3,7	6,0	7,8*	2,1	2,5	3,9	5,7*					1,9	2,3	3,5	4,3*	6,5
	-1,5 m					5,7	6,8	10,8*	10,8*	3,1	3,7	5,9	7,4*									2,2	2,6	4,1	5,5*	5,8
	-3,0 m					5,9	7,0	8,5*	8,5*	3,3	3,8	5,7*	5,7*									3,2	3,7	5,6*	5,6*	4,6
	-4,5 m																									
4,75 m mono offset boom 2,45 m dipper arm Rear dozer blade	7,5 m																									
	6,0 m																					2,6*	2,6*	2,6*	2,6*	5,7
	4,5 m									4,0	4,6	4,6*	4,6*	2,5	2,9	4,1*	4,1*					2,1	2,4	2,5*	2,5*	6,6
	3,0 m					6,7	7,9	8,7*	8,7*	3,7	4,3	5,8*	5,8*	2,4	2,7	4,2	4,7*					1,8	2,1	2,6*	2,6*	7,0
	1,5 m					4,9*	4,9*	4,9*	4,9*	3,3	3,9	6,2	7,0*	2,2	2,6	4,0	5,2*					1,7	2,0	2,8*	2,8*	7,1
	0,0 m					5,5	6,2*	6,2*	6,2*	3,1	3,7	6,0	7,6*	2,1	2,5	3,9	5,6*					1,7	2,0	3,2	3,3*	6,9
	-1,5 m	5,6*	5,6*	5,6*	5,6*	5,5	6,7	10,0*	10,0*	3,1	3,6	5,9	7,6*	2,1	2,4	3,8	5,4*					2,0	2,3	3,6	4,3*	6,3
	-3,0 m					5,7	6,8	9,5*	9,5*	3,1	3,7	6,0	6,4*									2,6	3,1	4,9	5,3*	5,2
	-4,5 m																									
4,75 m mono offset boom 2,6 m dipper arm Rear dozer blade	7,5 m																									
	6,0 m																					2,4*	2,4*	2,4*	2,4*	5,9
	4,5 m									4,1	4,5*	4,5*	4,5*	2,5	2,9	3,9*	3,9*					2,0	2,3*	2,3*	2,3*	6,7
	3,0 m					6,8	8,0	8,4*	8,4*	3,7	4,3	5,6*	5,6*	2,4	2,8	4,2	4,6*					1,8	2,0	2,4*	2,4*	7,2
	1,5 m					5,6*	5,6*	5,6*	5,6*	3,4	3,9	6,2	6,9*	2,2	2,6	4,0	5,2*					1,7	1,9	2,6*	2,6*	7,3
	0,0 m					5,5	6,3*	6,3*	6,3*	3,1	3,7	6,0	7,6*	2,1	2,5	3,9	5,6*					1,7	2,0	3,1*	3,1*	7,0
	-1,5 m	5,4*	5,4*	5,4*	5,4*	5,5	6,6	9,6*	9,6*	3,1	3,6	5,9	7,6*	2,1	2,4	3,8	5,5*					1,9	2,2	3,5	3,9*	6,4
	-3,0 m					5,7	6,8	9,8*	9,8*	3,1	3,7	5,9	6,6*									2,5	2,9	4,6	5,2*	5,4
	-4,5 m																									
4,75 m mono offset boom 3,1 m dipper arm Rear dozer blade	7,5 m																									
	6,0 m													2,6	2,7*	2,7*	2,7*					1,9*	1,9*	1,9*	1,9*	6,5
	4,5 m													2,6	2,9	3,5*	3,5*					1,8	1,9*	1,9*	1,9*	7,2
	3,0 m					7,0*	7,0*	7,0*	7,0*	3,8	4,4	5,1*	5,1*	2,4	2,8	4,2	4,3*	1,6	1,9	2,4*	2,4*	1,6	1,8	1,9*	1,9*	7,6
	1,5 m					6,1	7,2	8,4*	8,4*	3,4	4,0	6,3	6,4*	2,2	2,6	4,0	4,9*	1,6	1,8	2,9	2,9*	1,5	1,7	2,1*	2,1*	7,7
	0,0 m					5,5	6,6*	6,6*	6,6*	3,1	3,7	6,0	7,3*	2,1	2,5	3,9	5,4*	1,5	1,8	2,4*	2,4*	1,5	1,8	2,4*	2,4*	7,5
	-1,5 m	4,7*	4,7*	4,7*	4,7*	5,4	6,5	8,7*	8,7*	3,0	3,5	5,8	7,6*	2,0	2,4	3,8	5,5*					1,6	1,9	2,9*	2,9*	7,0
	-3,0 m	7,5*	7,5*	7,5*	7,5*	5,5	6,6	10,5*	10,5*	3,0	3,6	5,8	7,0*									2,1	2,4	3,8	4,3*	6,0
	-4,5 m																									

Notes: 1. Working pressure with Power Boost = 36 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.

STANDARD EQUIPMENT

Engine

Turbocharged, 4 stroke Volvo diesel engine with water cooling, direct injection and charged air cooler that meets EU Step IIIA emission requirements
Intake air pre-heater
Electric engine shut-off
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
Automatic idling system
One-touch power boost
Adjustable monitor
Engine restart prevention circuit
Safety stop/start function
High capacity halogen lamps
– Frame mounted 2
– Cab mounted 2
Alternator, 80 A
Batteries, 2 x 12 V / 140 Ah
Start motor, 24 V / 4,8 kW

Undercarriage

2-speed power transmission plus creep speed
Oscillating front axle ± 9°
2-circuit travel brakes
Maintenance-free propeller shafts

Superstructure

Counterweight, 2 500 kg
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 PC roof hatch
Heater
Hydraulic dampening cab mounts
Adjustable operator seat and joystick control console
Adjustable steering wheel
Flexible antenna
Hydraulic safety lock lever
Control joystick, with 5 switches each
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
– Seat belt
– Windshield wiper with washer and intermittent feature
Sun shield, front
Master ignition key

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)
Thermostatically controlled cooling fan
Hose rupture valve for boom
Hydraulic oil, ISO VG46

OPTIONAL EQUIPMENT

Engine

Diesel coolant heater with digital timer
Block heater, 240 V
Water separator with heater
Dust net

Electric / Electronic control system

Travel alarm
Rotating beacon
Extra work lights:
– Service walkway 1 and counterweight 1
– Boom-mounted 2
– Cab front 2
Electric centre passage
Rear view camera
CareTrack via GSM
CareTrack via satellite
Anti-theft system
Tilting and rotating attachment preparation

Hydraulic system

Hose rupture valve for dipper arm
Boom float function
Hydraulic oil, ISO VG 32
Hydraulic oil, ISO VG 68
Hydraulic oil, biodegradable 32
Hydraulic oil, biodegradable 46
Hydraulic long life oil 32
Hydraulic long life oil 46
Hydraulic long life oil 68
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
Heater & air-conditioner, automatic
Proportional control joystick
On/off joystick
Falling object guard (FOG)
Cab mounted falling object protective structures (FOPS)
Rain shield, front
Sun shield, roof & rear
Sunlight protection, roof hatch (steel)
Safety net for front window
Lower wiper
Radio & cassette
Radio with CD player and MP3 input
Ashtray
Lighter
Seat:
– Fabric seat, with heater
– Fabric seat, with heater and air suspension
Retractable seat belt
Comfort Drive Control, CDC

Undercarriage

Twin tires 10.00 – 20 / 11.00 – 20
Single tires 18R – 19.5 / 600/40-22.5
Sparewheel
Stone protection rings
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
Cruise control
Travel speed 20 km/h, 30 km/h, 35 km/h

Digging equipment

Booms
4,5 m monoblock
4,7 m 2-piece boom
4,75 m mono offset boom

Dipper arms
2,0 m, 2,45 m, 2,6 m, 3,1 m
2,95 m grab arm

Hydraulic quick fit

S6 system
Universal system

Attachments

Buckets, direct fit and quick fit:
– General Purpose bucket (GP)
– Heavy Duty bucket
– Slope bucket
– Hammer bracket, S6, direct fit (universal system)
– Grab holder

Service

Tool kit, daily maintenance
Tool kit, full scale

Standard and optional equipment may vary by market. Please consult your local Volvo dealer for details.

Volvo Construction Equipment is different. Our machines are designed, built and supported in a different way. That difference comes from an engineering heritage of over 175 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.**

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

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