

VOLVO WHEELED EXCAVATOR

EW230C

47,620 - 56,440 lb, 167 hp



MORE CARE. BUILT IN.



VOLVO – A PARTNER TO TRUST.

Trust means knowing your equipment will excel no matter the job, the hour or the conditions. Volvo EW230C wheeled excavators will earn your trust. Weighing up to 26.6 tons (**58,650 lb**), the EW230C was designed with all-new load-sensing hydraulics, superstructure main frame, undercarriage, axles and booms/arms, in order to provide you with not only the perfect tool carrier, but also the ultimate in wheeled excavator digging and lifting performance.

Highly mobile. Powerful. Solid. Fuel efficient. Comfortable. The Volvo EW230C is more than a machine. It's a fleet of one.

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 second 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 EW230C is one machine, but it performs the work of a task force. Digging

trenches. Lifting heavy pipe. Craning concrete traffic barriers. Hammering impacted rock. Setting up trench boxes. Grading. Sawing concrete bridge decks. Pulling storm debris from under bridges.

All that power and ability is anchored by heavy-duty axles to create an exceptionally stable excavator that moves between jobsites at up to 15.5 mph (**25 km/h**).

Cab puts the operator in command

The EW230C's roomy Volvo Care Cab has excellent visibility, high-volume climate control, a see-through 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 power, mobility, ease of use, comfort and adaptability, the EW230C truly has the power of more. More tools. More tasks. More control. More work done — on less fuel. At the end of the day it adds up to the one thing all contractors want — more profit.





• Power and stability for lifting, craning and carrying.



• Volvo Care Cab delivers commanding visibility.



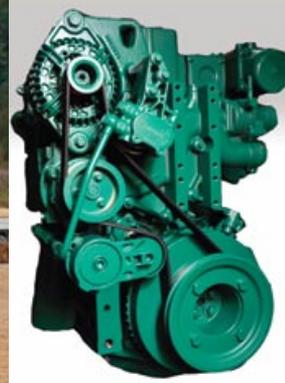
• All-around excavator and tool-carrier performance.



• 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 right 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 EW230C cab roomy, expanded the cab glass, built in 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.

No better place to work

One shift at the controls of the EW230C 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 EW230C 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 and the wiper cleans a wider area. The steering column pivots back and forth, so it won't obstruct view to the front. With the two-piece boom retracted, visibility out the right side is clear and unobstructed for travel.

An optional rearview 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.



• Extra leg and foot room boosts operator comfort.

- Deluxe air-suspension seat (option) 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 the 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.



• Overhead visibility through transparent roof.



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 EW230C is a superior tool carrier that performs the work of several machines — at lower cost and higher profit.

With so many options, from buckets and hammers to grapples and clamps, the EW230C is more than a machine. It's a force.

One machine, many solutions

The Volvo EW230C is a true tool commander, engineered with even more power and impressive 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 EW230C has the power and quality of a whole fleet — built in.

The newly developed Automatic Digging Brake applies the service brakes and axle lock at 0 mph (0 km/h) and releases once the travel pedal is depressed — reducing operator fatigue and increasing your productivity.

The stout, solid undercarriage anchors the machine for digging, lifting and precision operations. With robust, wide-spread outriggers and parallel blade, the EW230C can lift as much as a 24-ton (52,910 lb) crawler excavator. And it won't tear up roadway pavement or mar other sensitive surfaces like crawler tracks.

Versatility starts with the EW230C's boom. The available two-piece boom delivers incredible agility, allowing the excavator to work in tight spaces or perform parallel digging. Geometry of the two-piece boom makes the EW230C perfectly suited for a huge range of tasks, from craning concrete pipes to placing utility poles. The standard monoboom delivers solid performance for digging and lifting applications.

Work tools for any task

Tool carrier performance of the EW230C is limited only by the needs of the customer. Add a quick fit and tilting, rotating attachment to take machine performance to a smart level. Long reach and fine creep control make this an excellent ditching machine.

Smooth, load-sensing hydraulics deliver the control for asphalt cutting or grading around obstructions. Stability and power help the machine excel at lifting and placing pipes, moving construction materials, or setting concrete traffic barriers. Superior hydraulics can power hammers, grapples, brush cutters and many other attachments.

You can easily arm the EW230C with ditching or trenching buckets, rippers, compactors, augers, mowers or pulverizers, while the optional Boom Float feature results in the boom being lowered via gravity only, putting less stress on hydraulic hammers and other attachments and enabling flow to be utilized to the arm circuit for faster cycle times.

All of this performance is made more effective by the EW230C's smooth travel at speeds up to 15.5 mph (25 km/h). So whether the work is across the job site or across town, the EW230C takes the power where you need it most.





• Power, stability and reach for serious trenching.



• Robust hydraulics for pick-and-place operations.



• Reach and power for dredging and ditching.



• Lift and carry ability rivals that of a 24-ton crawler.



• Optional two-piece boom adds versatility.

- With a range of attachments, do more with one machine.
- Operate off road or on pavement without damaging sensitive surfaces.
- Quick fit makes swapping attachments quick and easy.
- Stabilizer blade and outriggers enhance stability for digging or lifting.
- Extra-duty axles enhance machine stability.
- Comfortable ride whether at full 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 EW230C and you'll know it. It shows in power out of the trench. It shows in fine control while 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 jobsites all over the world.

Superior power — with purpose

As one of the world's leading manufacturers of mid-size diesel engines, Volvo knows power. When it comes to the displacement, torque and hydraulic flow to drive the EW230C, Volvo delivers real multi-function performance.

What gives Volvo power a competitive edge on the jobsite? 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 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 to produce 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 EW230C 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 second-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.



• Improved access behind the cab.



• 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 the 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 ensure the flow is directed to where it's needed.

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.
- **Newly designed 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 fit** shows if attachments are locked in place.
- **Fuel-efficient, low-emission 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 buckets - Brush cutters
 - Compactors - Augers - Pile drivers
 - Pulverizers - Hammers
 - Tilting, rotating attachments
- **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 the keypad in the cab.
- **Volvo quick fit**.
- Available **tilting & rotating attachment** provides 360-degree attachment rotation, 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.
- **Automatic Digging Brake** removes the need to engage/disengage the service brakes, reducing operator fatigue and increasing productivity.
- **Boom Float** minimizes attachment stress and increases productivity.

MORE QUALITY

- **Specially designed outriggers and stabilizer blade** provide **wide stance** for excellent stability.
- **Extra-duty axles** enhance **stability and durability** for lifting and digging operations.
- **Stabilizer blade** has wide footprint so it **won't damage pavement.**
- **Purpose-built undercarriage** designed for the **most demanding conditions.**
- **Extra-duty boom and arm.**
- **Long wheel base** for stability and smooth ride.

MORE UPTIME

- **Access walkway behind the cab** provides superior service access.
- **Daily checks done from the cab** using the control monitor.
- **Long-life hydraulic oil** with 5,000-hour change interval.
- Convenient **centralized remote greasing** points.
- **Electronic control unit** monitors and troubleshoots all functions.
- **Easy-to-change cab air filter is located outside the cab.**
- **Cooling system is easier to clean.**
- **Satellite-based CareTrack system** monitors and troubleshoots machine operation, location, error codes and more.

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 rearview camera and cold-weather starting system. Volvo delivers more protection more comfort, more convenience, more strength — and more options.

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.

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 Protective 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.

Tilting, rotating attachments solution

A tilting, rotating attachment solution provides incredible versatility, allowing you to rotate 360 degrees and tilt bucket or attachment 40 degrees.

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 productivity. 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 jobsite, and when moving the machine on the road.

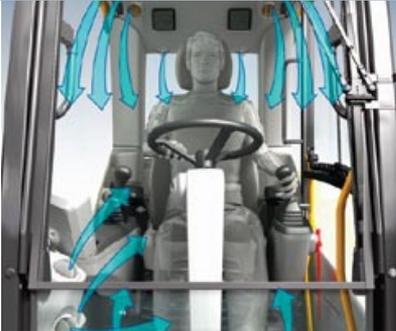
Rear-view camera

The in-cab LCD monitor provides clear rear views for reverse travel and swing operations, giving the operator confidence and boosting jobsite safety.

Twin or single tires

Choose from single or twin tires to match terrain and jobsite conditions.





Electronic climate control



Anti-theft system



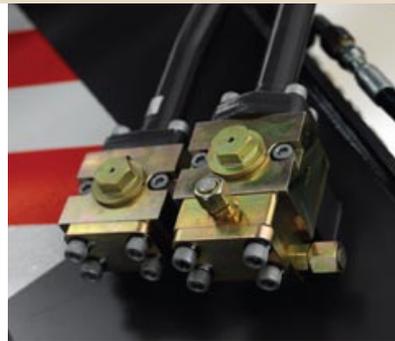
FOG, FOPS cab protection



Volvo quick fit



Tilting/rotating attachments solution



Hydraulic kits



Suspension seats



Proportional-control joysticks



Diesel coolant heater with timer



Extra halogen lamps, beacon



Rearview camera



Twin tires or single tires

NOTE: Some features listed as optional equipment are standard equipment in some markets. Some equipment features listed are not available in all markets. Not a complete list of available optional equipment features. See included specification sheet for a complete listing.

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 EPA Tier 3 compliant engine uses precise, high-pressure fuel injectors, turbo charger, air-to-air intercooler and electronic engine controls to optimize machine performance.

Engine	Volvo D6E EHE3	
Power out at	33.3 r/s	2,000 rpm
Gross (SAE J1995)	129.5 kW	173 hp
Net (ISO 9249, DIN 6271)	125 kW	167 hp
Max. torque at 1,500 rpm	730 Nm	538 lb. ft.
No. of cylinders	6	
Displacement	5.7 l	328 cu. in.
Bore	98 mm	3.86"
Stroke	126 mm	4.96"

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

Newly designed 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 glass, 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 system, 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 rearview camera monitor (option).

Sound level:

In cab, acc. to ISO 6396	72 LpA dB(A)
External, acc. to ISO 6395	103 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 $\pm 9^\circ$ (with mudguards $\pm 7^\circ$).

Twin wheels	11.00-20
Max. tractive force (net)	132.6 kN 29,810 lb
Travel speed:	
On road	20.0 / 25.0 km/h 12.4 / 5.5 mph
Off road	5.0 / 6.2 km/h 3.1 / 3.8 mph
Creep	2.8 km/h 1.7 mph
Min. turning radius	7.45 m 24' 5"

Brakes

Service brakes: servo-hydraulically maneuvered 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 2.45 m (8' 0") dipper arm, quick fit S1, 805 kg (1,775 lb) / 1,070 l (1.40 yd³) bucket.

Outriggers front and dozer blade rear

(axle load <12 t) (26,460 lb)

22,900* kg / 23,700** kg

50,489* lb / 52,250 lb**

Dozer blade rear

(axle load >12 t) (26,460 lb)

21,600* kg / 22,400** kg / 23,100*** kg / 23,900**** kg

47,620* lb / 49,385 lb / 50,930*** lb / 52,690**** lb**

Outriggers front and rear

(axle load >12 t) (26,460 lb)

24,300** kg / 24,800*** kg / 25,600**** kg

53,575 lb / 54,675*** lb / 56,440**** lb**

*Machine with 5.7 m (18' 8") monoblock boom; CWT 4,400 kg (9,700 lb)

**Machine with 5.7 m (18' 8") 2-piece boom; CWT 4,400 kg (9,700 lb)

***Machine with 5.7 m (18' 8") monoblock boom; CWT 5,900 kg (13,010 lb)

****Machine with 5.7 m (18' 8") 2-piece boom; CWT 5,900 kg (13,010 lb)

Service refill capacities

Fuel tank	400 l	105.7 gal
Hydraulic system, total	340 l	89.8 gal
Hydraulic tank	165 l	43.6 gal
Engine oil	25 l	6.6 gal
Engine coolant	34 l	9.0 gal
Transmission	2.5 l	0.7 gal
Axle differential:		
Front axle	11.0 l	2.9 gal
Rear axle	14.0 l	3.7 gal
Final drive, wet disc type	4 x 2.5 l	4 x 0.7 gal

Hydraulic system

Closed-center load sensing hydraulic 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 maneuverability 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 utilization.

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:

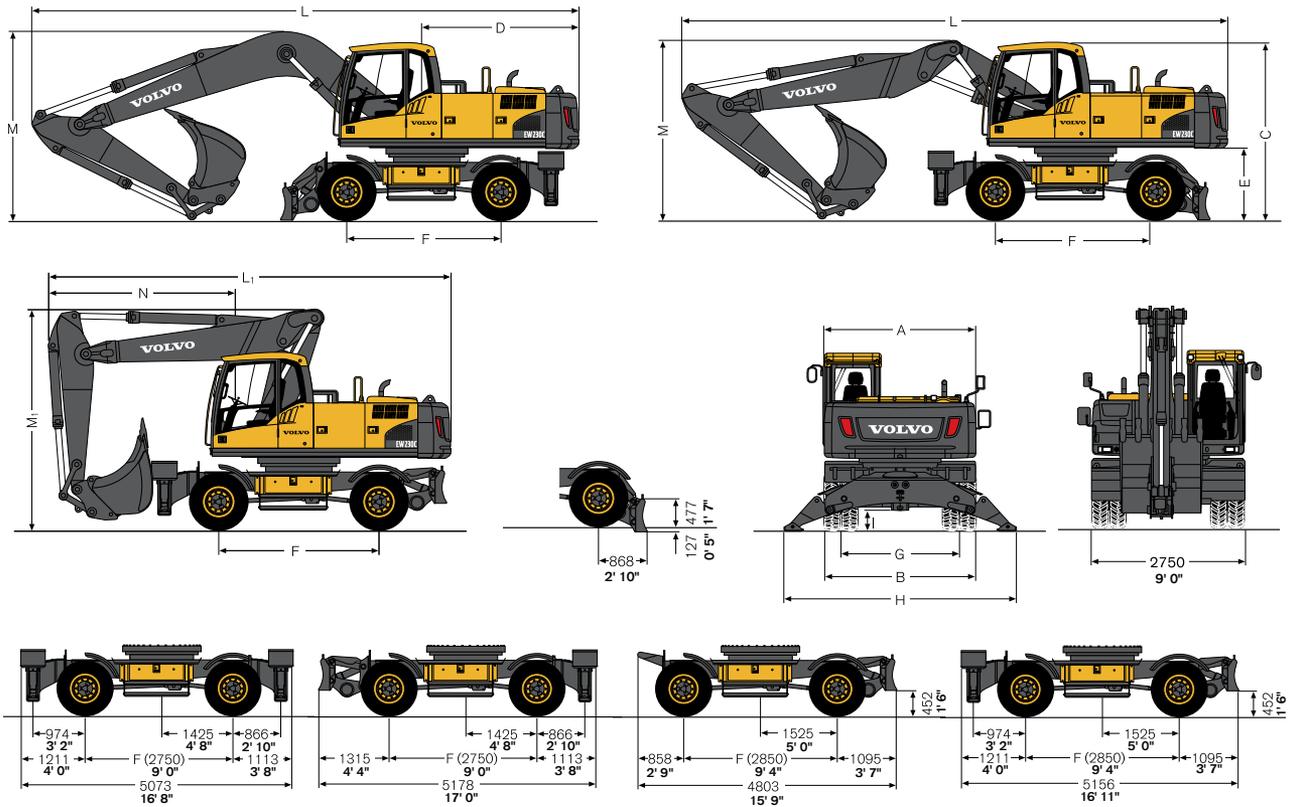
Max. flows:		
Main pump	420 l/min	110.9 gpm
(type low noise axial piston pump)		
Brake + steering pump	34 l/min	9.0 gpm
(type low noise gear pump)		
Servo and charging pump	35.0 l/min	9.2 gpm
(type gear pump)		
Hydraulic oil cooling fan	57.0 l/min	15.0 gpm
(type axial piston pump)		
Swing pump	142.0 l/min	37.5 gpm
(type axial piston pump)		
Max. pressure:		
Implements	32.5/36 MPa	
	4,714/5,220 psi	
Travel system	36 MPa	5,220 psi
Pilot System	3.5 MPa	510 psi
Swing System	37 MPa	5,370 psi

Swing system

The superstructure swings by means of a radial piston motor which works in a closed circuit and employs a separate swing pump. Automatic swing holding brake and anti-rebound function are standard.

Max. swing speed	9.0 rpm
Max. swing torque	77.3 kNm 57,500 lb. ft.

Dimensions

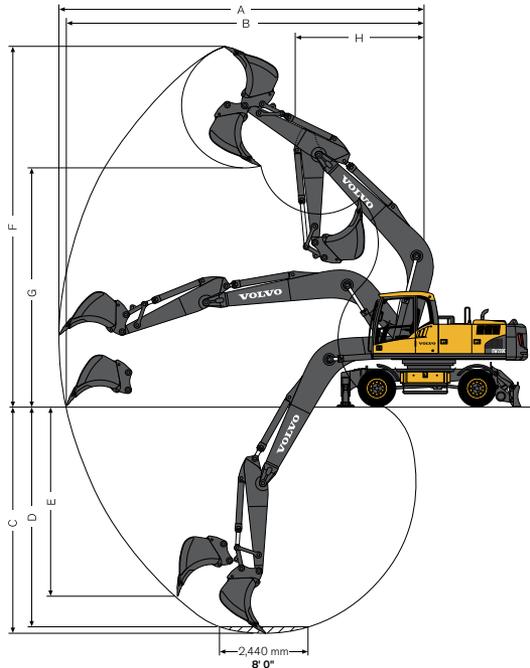


Description	Unit	5.7 m, 18' 8" Monoblock boom	5.7 m, 18' 8" 2-piece boom
A. Overall width of superstructure	mm, ft-in	2,710, 8' 11"	2,710, 8' 11"
B. Overall width	mm, ft-in	2,700, 8' 10"	2,700, 8' 10"
C. Overall height of cab	mm, ft-in	3,170, 10' 5"	3,170, 10' 5"
D. Tail swing radius	mm, ft-in	2,805, 9' 2"	2,805, 9' 2"
E. Counterweight clearance	mm, ft-in	1,270, 4' 2"	1,270, 4' 2"
F. Wheel base	mm, ft-in	2,750 / 2,850, 9' 0" / 9' 4"	2,750 / 2,850, 9' 0" / 9' 4"
G. Tread	mm, ft-in	2,110, 6' 11"	2,110, 6' 11"
H. Outrigger width (front or rear)	mm, ft-in	4,140, 13' 7"	4,140, 13' 7"
I. Min. ground clearance	mm, ft-in	340, 1' 2"	340, 1' 2"

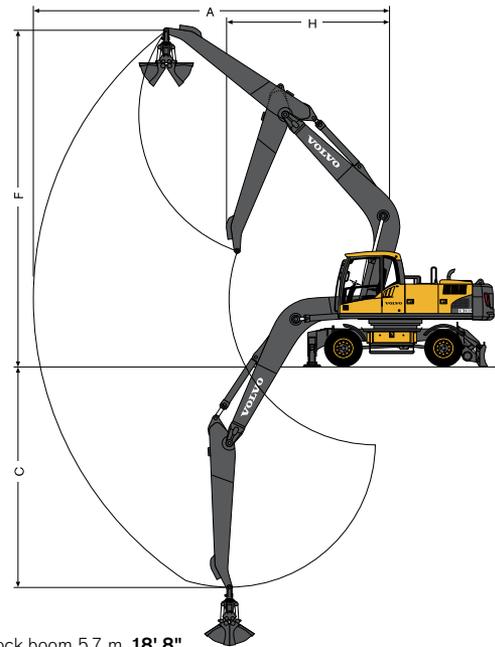
Description	Unit	5.7 m, 18' 8" Monoblock boom				5.7 m, 18' 8" 2-piece boom			
		2.45 m 8' 0" arm	2.6 m 8' 6" arm	2.9 m 9' 6" arm	4.0 m 13' 1" MH arm	2.45 m 8' 0" arm	2.6 m 8' 6" arm	2.9 m 9' 6" arm	4.0 m 13' 1" MH arm
L. Overall length	mm ft-in	9,770 32' 1"	9,760 32' 0"	9,740 31' 11"	9,330* 30' 7"	9,750 32' 0"	9,760 32' 0"	9,785 32' 1"	9,200* 30' 2"
M. Overall height of boom	mm ft-in	3,370 11' 1"	3,320 10' 11"	3,235 10' 7"	4,185* 13' 9"	3,230 10' 7"	3,210 10' 6"	3,170 10' 5"	4,550* 14' 11"
L1. Overall length	mm ft-in					7,170 23' 6"	7,230** 23' 9"	7,230** 23' 9"	
M1. Overall height of boom	mm ft-in					4,000 13' 2"	4,000** 13' 2"	4,000** 13' 2"	
N. Front overhang	mm ft-in					3,310 10' 10"	3,380** 11' 1"	3,360** 11' 1"	

* material handling arm, without clam shell bucket
 ** without bucket

Working ranges & digging forces



Monoblock boom 5.7 m, **18' 8"**
and dipper arm 2.45 m, **8' 0"** / 2.6 m, **8' 6"** / 2.90 m, **9' 6"**

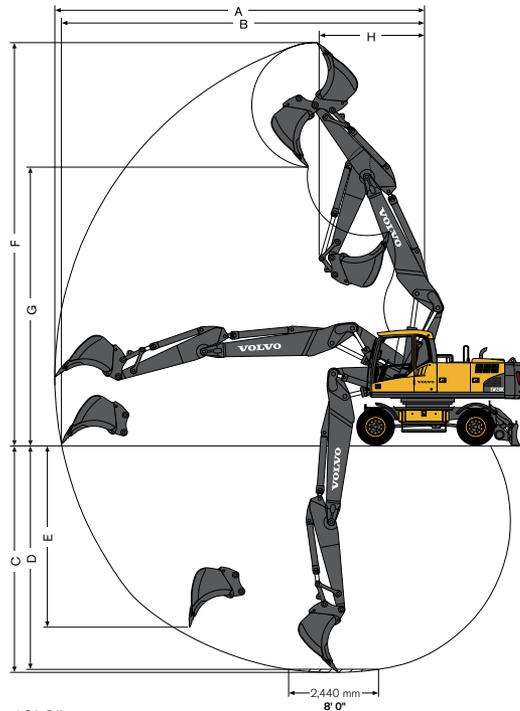


Monoblock boom 5.7 m, **18' 8"**
and MH arm 4.0 m, **13' 1"**

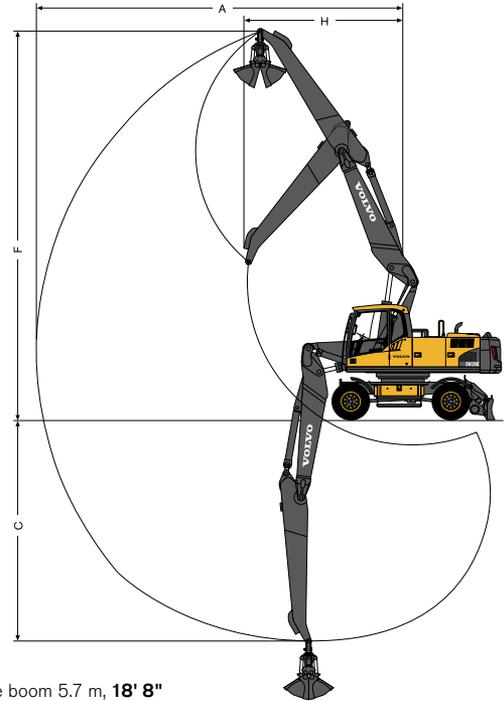
Description	Unit	5.7 m, 18' 8" Monoblock boom			
		2.45 m, 8' 0" arm	2.6 m, 8' 6" arm	2.90 m, 9' 6" arm	4.0 m, 13' 1" MH arm
A. Max. digging reach	mm, ft-in	10,160, 33' 4"	10,270, 33' 8"	10,520, 34' 6"	9,920, 32' 7"
B. Max. digging reach on ground	mm, ft-in	9,980, 32' 9"	10,095, 33' 1"	10,350, 33' 11"	
C. Max. digging depth	mm, ft-in	6,340, 20' 10"	6,490, 21' 4"	6,790, 22' 3"	6,150, 20' 2"
D. Max. digging depth (2,440 mm level) (8' 0")	mm, ft-in	6,160, 20' 3"	6,315, 20' 9"	6,620, 21' 9"	
E. Max. vertical wall digging depth	mm, ft-in	5,290, 17' 4"	5,310, 17' 5"	5,470, 17' 11"	
F. Max. cutting height	mm, ft-in	9,990, 32' 9"	10,000, 32' 10"	10,070, 33' 0"	9,310, 30' 7"
G. Max. dumping height	mm, ft-in	6,650, 21' 10"	6,690, 21' 11"	6,790, 22' 3"	
H. Min. front swing radius	mm, ft-in	3,690, 12' 1"	3,700, 12' 2"	3,690, 12' 1"	4,620, 15' 2"
Digging forces with direct fit bucket					
Bucket radius	mm, ft-in	1,540, 5' 1"	1,540, 5' 1"	1,540, 5' 1"	
Breakout force - bucket	(SAE/ISO) kN lb	141.8 / 161.6 31,880 / 36,330	141.8 / 161.6 31,880 / 36,330	141.8 / 161.6 31,880 / 36,330	
Tearout force	(SAE/ISO) kN lb	117.4 / 121.8 26,390 / 27,380	113.1 / 117.2 25,430 / 26,350	105.3 / 108.8 23,670 / 24,460	
Rotation angle, bucket	°	183°	183°	183°	
Max. recommended sizes for direct fit buckets					
GP-Bucket (1.5 t/m ³) (2,530 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	1,175 / 1,500 1.54 / 1.96	1,150 / 1,475 1.50 / 1.93	1,100 / 1,100 1.44 / 1.44
GP-Bucket (1.8 t/m ³) (3,030 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	1,050 / 1,325 1.37 / 1.73	1,025 / 1,300 1.34 / 1.70	975 / 1,225 1.28 / 1.60
Max. recommended sizes for quick fit buckets					
SQF GP-Bucket (1.5 t/m ³) (2,530 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	1,075 / 1,400 1.41 / 1.83	1,075 / 1,375 1.41 / 1.80	1,000 / 1,300 1.31 / 1.70
SQF GP-Bucket (1.8 t/m ³) (3,030 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	950 / 1,250 1.24 / 1.63	950 / 1,225 1.24 / 1.60	875 / 1,150 1.14 / 1.50
UQF GP-Bucket (1.5 t/m ³) (2,530 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	1,050 / 1,375 1.37 / 1.80	1,025 / 1,350 1.34 / 1.77	950 / 1,275 1.24 / 1.67
UQF GP-Bucket (1.8 t/m ³) (3,030 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	925 / 1,200 1.21 / 1.57	900 / 1,175 1.18 / 1.54	850 / 1,125 1.11 / 1.47

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

Working ranges & digging forces



2-piece boom 5.7 m, **18' 8"**
and dipper arm 2.45 m, **8' 0"** / 2.6 m, **8' 6"** / 2.90 m, **9' 6"**



2-piece boom 5.7 m, **18' 8"**
and MH arm 4.0 m, **13' 1"**

Description	Unit	5.7 m, 18' 8" 2-piece boom			
		2.45 m, 8' 0" arm	2.6 m, 8' 6" arm	2.90 m, 9' 6" arm	4.0 m, 13' 1" MH arm
A. Max. digging reach	mm, ft-in	10,150, 33' 4"	10,270, 33' 8"	10,530, 34' 7"	10,030, 32' 11"
B. Max. digging reach on ground	mm, ft-in	9,970, 32' 9"	10,090, 33' 1"	10,360, 14' 0"	
C. Max. digging depth	mm, ft-in	6,360, 20' 10"	6,500, 21' 4"	6,790, 22' 3"	6,170, 20' 3"
D. Max. digging depth (2,440 mm level) (8' 0")	mm, ft-in	6,270, 20' 7"	6,410, 21' 0"	6,710, 22' 0"	
E. Max. vertical wall digging depth	mm, ft-in	5,100, 16' 9"	5,190, 17' 0"	5,415, 17' 9"	
F. Max. cutting height	mm, ft-in	11,180, 36' 8"	11,255, 36' 11"	11,440, 37' 6"	10,780, 35' 4"
G. Max. dumping height	mm, ft-in	7,700, 25' 3"	7,775, 25' 6"	7,960, 26' 1"	
H. Min. front swing radius	mm, ft-in	2,890, 9' 6"	2,880, 9' 5"	2,910, 9' 7"	4,350, 14' 3"
Digging forces with direct fit bucket					
Bucket radius	mm, ft-in	1,536, 5' 0"	1,536, 5' 0"	1,536, 5' 0"	
Breakout force - bucket	(SAE/ISO) kN lb	141.8 / 161.6 31,880 / 36,330	141.8 / 161.6 31,880 / 36,330	141.8 / 161.6 31,880 / 36,330	
Tearout force	(SAE/ISO) kN lb	117.4 / 121.8 26,390 / 27,380	113.1 / 117.2 25,430 / 26,350	105.3 / 108.8 23,670 / 24,460	
Rotation angle, bucket	°	183°	183°	183°	
Max. recommended sizes for direct fit buckets					
GP-Bucket (1.5 t/m ³) (2,530 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	1,125 / 1,450 1.47 / 1.90	1,100 / 1,425 1.44 / 1.86	1,025 / 1,350 1.34 / 1.77
GP-Bucket (1.8 t/m ³) (3,030 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	975 / 1,275 1.28 / 1.67	957 / 1,250 1.25 / 1.63	925 / 1,175 1.21 / 1.54
Max. recommended sizes for quick fit buckets					
SQF GP-Bucket (1.5 t/m ³) (2,530 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	1,025 / 1,350 1.34 / 1.77	1,000 / 1,325 1.31 / 1.73	950 / 1,250 1.24 / 1.63
SQF GP-Bucket (1.8 t/m ³) (3,030 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	900 / 1,200 1.18 / 1.57	900 / 1,175 1.18 / 1.54	825 / 1,100 1.08 / 1.44
UQF GP-Bucket (1.5 t/m ³) (2,530 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	975 / 1,275 1.28 / 1.67	950 / 1,300 1.24 / 1.70	900 / 1,275 1.18 / 1.67
UQF GP-Bucket (1.8 t/m ³) (3,030 lb/yd³)	CWT 4,400 kg / 5,900 kg 9,700 lb / 13,010 lb	l yd³	875 / 1,125 1.14 / 1.47	850 / 1,150 1.11 / 1.50	800 / 1,125 1.05 / 1.47

Note: 1. Bucket size based on SAE-J296, heaped material with a 1:1 angle of repose.
2. "Max recommended 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: ton, **lb**

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

 Across under-carriage related to ground level  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine center (u = support up / d = support down)														Max. m	Max. ft					
		1.5 m, 5'		3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'		Max. reach								
		u	d	u	d	u	d	u	d	u	d	u	d	u	d			u	d			
 5.7 m, 18' 8" mono-block boom 2.45 m, 8' 0" dipper arm Front dozer blade Rear outriggers	7.5 m 25'																49'	49'	49'	49'	59	
	6.0 m 20'																	38'	45'	45'	45'	71
	4.5 m 15'																	8,420	9,940*	9,940*	9,940*	23
	3.0 m 10'																	6,390	9,670*	9,500	9,670*	26
	1.5 m 5'																	2,280	4,5*	3,9	4,5*	82
	0.0 m 0'																	6,280	9,870*	8,610	9,870*	27
	-1.5 m -5'																	27	44	3,8	4,8*	83
	-3.0 m -10'																	6,020	9,620	8,300	10,520*	27
	-4.5 m -15'																	2,8	4,5	3,8	5,3*	81
																		6,120	9,850	8,480	11,750*	27
																		3,0	4,9	4,2	6,4*	7,6
																		8,090	13,110	11,250	14,500*	27
																	5,3	6,0*	6,0*	6,0*	5,2	
																	12,290	13,390*	13,390*	13,390*	16	
 5.7 m, 18' 8" mono-block boom 2.6 m, 8' 6" dipper arm Front dozer blade Rear outriggers	7.5 m 25'																4,5'	4,5'	4,5'	4,5'	6,1	
	6.0 m 20'																	10,110*	10,110*	10,110*	10,110*	7,3
	4.5 m 15'																	3,7	4,2*	4,2*	4,2*	2,0
	3.0 m 10'																	8,230	9,240*	9,240*	9,240*	24
	1.5 m 5'																	3,1	4,1*	4,1*	4,1*	8,0
	0.0 m 0'																	6,880	9,050*	9,050*	9,050*	26
	-1.5 m -5'																	2,8	4,2*	3,8	4,2*	8,3
	-3.0 m -10'																	6,180	9,250*	8,460	9,250*	27
	-4.5 m -15'																	2,7	4,3	3,7	4,5*	8,4
																		5,920	9,460	8,160	9,900*	28
																		2,7	4,4	3,8	5,0*	8,2
																		6,010	9,660	8,320	11,050*	27
																	3,0	4,8	4,1	6,0*	7,7	
																	6,530	10,550	9,070	13,030*	25	
																	3,5	5,7	4,9	6,6*	6,8	
																	7,840	12,700	10,900	14,500*	22	
																	5,1	6,2*	6,2*	6,2*	5,4	
																	11,460	13,470*	13,470*	13,470*	17	
 5.7 m, 18' 8" mono-block boom 2.9 m, 9' 6" dipper arm Front dozer blade Rear outriggers	7.5 m 25'																4,0'	4,0'	4,0'	4,0'	6,4	
	6.0 m 20'																	8,790*	8,790*	8,790*	8,790*	21
	4.5 m 15'																	3,5	3,7*	3,7*	3,7*	7,6
	3.0 m 10'																	7,750	8,120*	8,120*	8,120*	25
	1.5 m 5'																	2,9	3,6*	3,6*	3,6*	8,2
	0.0 m 0'																	6,510	7,980*	7,980*	7,980*	27
	-1.5 m -5'																	2,7	3,7*	3,7*	3,7*	8,6
	-3.0 m -10'																	5,880	8,190*	8,080	8,190*	28
	-4.5 m -15'																	2,6	4,0*	3,5	4,0*	8,7
																		5,630	8,760*	7,760*	8,760*	28
																		2,6	4,2	3,6	4,5*	8,5
																		5,690	9,180	7,910	9,810*	28
																	2,8	4,5	3,9	5,3*	8,0	
																	6,150	9,950	8,560	11,710*	26	
																	3,3	5,3	4,6	6,4*	7,1	
																	7,270	11,790	10,130	14,200*	23	
																	4,5	6,3*	6,3*	6,3*	5,7	
																	10,180	13,730*	13,730*	13,730*	19	
 5.7 m, 18' 8" mono-block boom 4.0 m, 13' 1" MH arm Front dozer blade Rear outriggers	9.0 m 30'																4,8'	4,8'	4,8'	4,8'	6,5	
	7.5 m 25'																	10,780*	10,780*	10,780*	10,780*	21
	6.0 m 20'																	3,6	4,3*	4,3*	4,3*	7,9
	4.5 m 15'																	7,980	9,460*	9,460*	9,460*	26
	3.0 m 10'																	2,9	4,0*	3,9	4,0*	8,9
	1.5 m 5'																	6,560	8,900*	8,710	8,900*	29
	0.0 m 0'																	2,6	4,0*	3,5	4,0*	9,4
	-1.5 m -5'																	8,290	11,730*	10,950	11,730*	31
	-3.0 m -10'																	6,120	9,320	8,150	11,170*	27
	-4.5 m -15'																	5,780	8,710*	7,730	8,710*	31
	-6.0 m -20'																	3,7	5,6	4,9	5,9*	9,8
																		7,930	12,110	10,570	12,910*	32
																	5,970	9,160	8,000	11,940*	32	
																	2,3	3,6	3,2	4,2*	9,8	
																	5,160	8,040	6,990	9,140*	32	
																	2,6	4,1	3,5	6,0*	9,7	
																	5,190	8,130	7,050	9,810*	32	
																	2,5	3,9	3,4	5,0*	9,2	
																	2,7	4,3	3,8	5,8*	8,5	
																	6,080	9,600	8,310	12,780*	28	
																	3,3	5,3	4,6	5,8*	7,4	
																	7,440	11,740	10,180	12,790*	24	
																	4,9	5,4*	5,4*	5,4*	5,7	
																	11,660	12,830*	12,830*	12,830*	17	

Notes: 1. Working pressure with Power Boost = 36 MPa, 5,220 psi.
 2. The above values are in compliance with ISO standard 10567. 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.
 4. Values are not 1 : 1 (ton : lb) conversions due to different reach and height input. Some Imperial equivalent values fall outside of working range.

Lifting capacity

At the arm end, without bucket and quick fit. Unit: ton, **lb**

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 center (u = support up / d = support down)														Max. m ft						
		1.5 m, 5'		3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'		Max. reach								
		u	d	u	d	u	d	u	d	u	d	u	d	u	d		u	d				
 5.7 m, 18' 8" mono-block boom  2.45 m, 8' 0" dipper arm Front and rear outriggers	7.5 m 25'																4.9'	4.9'	4.9'	4.9'	5.9	
	6.0 m 20'																	3.8'	4.5'	4.5'	4.5'	7.1
	4.5 m 15'																	8.540	9.940	9.940	9.940	23.7
	3.0 m 10'																	7.090	9.670	9.670	9.670	26.8
	1.5 m 5'																	6.380	9.870	8.950	9.870	27.8
	0.0 m 0'																	2.8	4.8	3.9	4.8	8.3
	-1.5 m -5'																	6.110	10.520	8.630	10.520	27.7
	-3.0 m -10'																	3.1	6.0	4.4	6.4	7.6
	-4.5 m -15'																	8.220	14.500	11.690	14.500	22.2
																		5.4	6.0	6.0	6.0	5.2
 5.7 m, 18' 8" mono-block boom  2.6 m, 8' 6" dipper arm Front and rear outriggers	7.5 m 25'																4.5'	4.5'	4.5'	4.5'	6.1	
	6.0 m 20'																	10.110	10.110	10.110	10.110	20.3
	4.5 m 15'																	3.7	4.2	4.2	4.2	7.3
	3.0 m 10'																	8.340	9.240	9.240	9.240	24.8
	1.5 m 5'																	3.1	4.1	4.1	4.1	8.0
	0.0 m 0'																	2.8	5.0	3.9	5.0	8.2
	-1.5 m -5'																	6.110	11.090	8.660	11.090	27.7
	-3.0 m -10'																	3.0	5.9	4.3	6.0	7.7
	-4.5 m -15'																	6.640	12.970	9.440	13.070	25.8
																		3.6	6.8	5.1	6.6	6.8
 5.7 m, 18' 8" mono-block boom  2.9 m, 9' 6" dipper arm Front and rear outriggers	7.5 m 25'																4.0'	4.0'	4.0'	4.0'	6.4	
	6.0 m 20'																	8.790	8.790	8.790	8.790	21.8
	4.5 m 15'																	3.5	3.7	3.7	3.7	7.6
	3.0 m 10'																	7.880	8.120	8.120	8.120	25.8
	1.5 m 5'																	3.0	3.6	3.6	3.6	8.2
	0.0 m 0'																	6.610	7.980	7.980	7.980	27.8
	-1.5 m -5'																	2.7	3.7	3.7	3.7	8.6
	-3.0 m -10'																	5.970	8.190	8.190	8.190	28.8
	-4.5 m -15'																	2.6	4.0	3.7	4.0	8.7
																		5.720	8.760	8.100	8.760	28.8
 5.7 m, 18' 8" mono-block boom  4.0 m, 13' 1" MH arm Front and rear outriggers	9.0 m 30'																4.8'	4.8'	4.8'	4.8'	6.5	
	7.5 m 25'																	10.780	10.780	10.780	10.780	21.8
	6.0 m 20'																	3.6	4.3	4.3	4.3	7.9
	4.5 m 15'																	8.090	9.460	9.460	9.460	26.8
	3.0 m 10'																	3.0	4.0	4.0	4.0	8.9
	1.5 m 5'																	6.650	8.900	8.900	8.900	29.8
	0.0 m 0'																	2.7	4.0	3.6	4.0	9.4
	-1.5 m -5'																	8.390	11.730	11.320	11.730	31.8
	-3.0 m -10'																	3.7	5.9	5.1	5.9	9.8
	-4.5 m -15'																	8.040	12.910	10.940	12.910	32.8

Notes: 1. Working pressure with Power Boost = 36 MPa, 5,220 psi.
 2. The above values are in compliance with ISO standard 10567. 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.
 4. Values are not 1 : 1 (ton : lb) conversions due to different reach and height input. Some Imperial equivalent values fall outside of working range.

Lifting capacity

At the arm end, without bucket and quick fit. Unit: ton, **lb**

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

	 Across under-carriage related to ground level  Along under-carriage	Arm end (bucket pivot)	Reach from machine center (u = support up / d = support down)														Max. m ft								
			1.5 m, 5'		3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'		Max. reach										
			u	d	u	d	u	d	u	d	u	d	u	d	u	d		u	d						
	7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m -15'																4.3	4.9'	4.9'	4.9'	5.9				
																				10.990	10.990'	10.990'	10.990'	19 ft	
																					3.1	4.5'	4.5'	4.5'	7.1
																					8.380	9.940'	9.940'	9.940'	23 ft
																					2.5	4.2	4.1	4.4'	7.9
																					6.950	9.670	9.670	9.670'	26 ft
																					2.3	3.8	3.7	4.5'	8.2
																					6.250	9.870	9.870	9.870'	27 ft
																					2.2	3.7	3.6	4.8'	8.3
																					5.980	9.940	9.940	10.520'	27 ft
	7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m -15'																	6.090	9.820	9.560	11.750'	27 ft			
																				2.4	4.1	4.0	6.4'	7.5	
																					13.000	22.470	21.550	25.520'	19.400'
																					9.4	14.3'	14.3'	14.3'	6.7
																					24.540	30.930'	30.930'	30.930'	22 ft
																					5.0	9.0	8.6	10.6'	6.7
																					13.210	22.720	21.790	22.900'	22 ft
																					5.2	7.4'	7.4'	7.4'	5.2
																					13.830	15.450'	15.450'	15.450'	16 ft
				7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m -15'																	4.2	5.1'	5.1'	5.1'	6.1
																					10.110	10.110'	10.110'	10.110'	20 ft
																					3.0	4.2'	4.2'	4.2'	7.3
																					8.190	9.240'	9.240'	9.240'	24 ft
																					2.5	4.1'	4.0	4.1'	8.0
																					6.830	9.050'	9.050'	9.050'	26 ft
																					2.2	3.7	3.6	4.2'	8.3
																					6.150	9.250	9.250	9.250'	27 ft
																					2.1	3.6	3.5	4.5'	8.4
																					5.880	9.430	9.180	9.900'	28 ft
	7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m -15'																		4.9	8.9	8.6	12.7'	8.2		
																					13.110	22.610	21.680	27.540'	27 ft
																					2.3	3.5	3.4	5.0'	7.7
																					13.000	22.470	21.550	26.500'	25 ft
																					9.1	11.2'	11.2'	11.2'	7.7
																					2.3	3.5	3.4	5.0'	7.7
																					13.000	22.470	21.550	26.500'	25 ft
																					9.3	14.8'	14.8'	14.8'	6.8
																					24.450	32.040'	32.040'	32.040'	22 ft
																					5.2	7.9'	7.9'	7.9'	5.4
	7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m -15'																		10.990	11.200'	11.200'	11.200'	17 ft		
																					4.3	5.8'	5.8'	5.8'	6.4
																					11.000	12.810'	12.820'	12.810'	21 ft
																					2.9	4.0'	4.0'	4.0'	7.6
																					7.710	8.120'	8.120'	8.120'	25 ft
																					2.4	3.6'	3.6'	3.6'	8.2
																					10.590	14.140'	14.150	14.140'	27 ft
																					2.7	4.5	4.3	6.3'	8.6
																					6.820	10.950	10.630	14.800'	28 ft
																					2.0	3.5	3.4	4.5'	8.5
	7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m -15'																		13.060	22.620	21.630	27.320'	28 ft		
																					4.8	8.8	8.4	12.3'	8.0
																					9.1	15.7'	15.7'	15.7'	6.8
																					24.090	33.900'	33.920'	33.900'	23 ft
																					9.5	11.8'	11.8'	11.8'	5.7
																					13.460	18.310'	18.320'	18.310'	19 ft
																					2.2	3.8	3.7	5.3'	8.0
																					6.110	9.950	9.660	11.710'	26 ft
																					2.6	4.5	4.3	6.4'	7.1
																					7.220	11.800	11.430	14.200'	23 ft
	9.0 m 30' 7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m -15' -6.0 m -20'																		3.3	5.1'	5.0	5.1'	6.5		
																					10.780	10.780'	10.780'	10.780'	21 ft
																					2.9	4.3'	4.3'	4.3'	7.9
																					7.950	9.460'	9.460'	9.460'	26 ft
																					2.4	3.8	3.7	4.0'	8.9
																					6.530	8.900	8.800	8.900'	29 ft
																					3.2	5.0	4.9	5.4'	9.4
																					8.250	11.730	11.730	11.730'	31 ft
																					3.0	4.8	4.7	5.9'	9.8
																					5.940	9.160	8.920	11.940'	32 ft
	9.0 m 30' 7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m -15' -6.0 m -20'																		1.9	3.1	3.0	4.2'	9.8		
																					5.140	8.040	7.820	9.140'	32 ft
																					1.9	3.1	3.0	4.2'	9.8
																					5.160	8.120	7.900	9.810'	32 ft
																					2.0	3.3	3.2	4.9'	9.2
																					2.2	3.7	3.6	5.8'	8.0
																					6.090	9.600	9.320	12.780'	28 ft
																					2.7	4.5	4.3	5.8'	7.4
																					7.400	11.780	11.420	12.790'	24 ft
																					4.0	5.4'	5.4'	5.4'	5.7
																		11.600	12.830'	12.830'	12.830'	17 ft			

Notes: 1. Working pressure with Power Boost = 36 MPa, 5,220 psi.
 2. The above values are in compliance with ISO standard 10567. 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.
 4. Values are not 1 : 1 (ton : lb) conversions due to different reach and height input. Some Imperial equivalent values fall outside of

Lifting capacity

At the arm end, without bucket and quick fit. Unit: ton, **lb**

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

	 Across under-carriage related to ground level  Along under-carriage	Arm end (bucket pivot)	Reach from machine center (u = support up / d = support down)																Max. m ft				
			1.5 m, 5'		3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'		Max. reach								
			u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d					
 5.7 m, 18' 8" mono-block boom  2.45 m, 8' 0" dipper arm Front outriggers Rear dozer blade	7.5 m 25'																	4.9'	4.9'	4.9'	4.9'	5.9	
	6.0 m 20'																		3.1	4.4'	4.4'	4.4'	7.9
	4.5 m 15'																		6.920	9.940'	9.940'	9.940'	23.9
	3.0 m 10'																		5.650	9.300'	9.060'	9.670'	26.9
	1.5 m 5'																		5.020	8.390'	8.180'	9.870'	27.9
	0.0 m 0'																		4.770	8.080'	7.870'	10.520'	27.9
	-1.5 m -5'																		2.8	4.5	4.3	5.3'	8.1
	-3.0 m -10'																		3.0	4.9	4.7	6.4'	7.6
	-4.5 m -15'																		5.300	9.060'	8.820'	14.110'	25.9
	 5.7 m, 18' 8" mono-block boom  2.6 m, 8' 6" dipper arm Front outriggers Rear dozer blade	7.5 m 25'																	4.5'	4.5'	4.5'	4.5'	6.1
6.0 m 20'																			3.7	4.2'	4.2'	4.2'	7.3
4.5 m 15'																			6.760	9.240'	9.240'	9.240'	24.0
3.0 m 10'																			5.550	9.050'	8.880'	9.050'	26.9
1.5 m 5'																			4.940	8.250'	8.040'	9.250'	27.9
0.0 m 0'																			4.690	7.940'	7.740'	9.900'	28.9
-1.5 m -5'																			2.7	4.4	4.3	5.0'	8.2
-3.0 m -10'																			5.190	8.850'	8.610'	13.310'	25.9
-4.5 m -15'																			6.260	10.000'	10.390'	14.500'	22.9
 5.7 m, 18' 8" mono-block boom  2.9 m, 9' 6" dipper arm Front outriggers Rear dozer blade		7.5 m 25'																	5.1	5.8'	5.8'	5.8'	6.4
	6.0 m 20'																		9.250	11.200'	11.200'	11.200'	21.9
	4.5 m 15'																		6.340	8.120'	8.120'	8.120'	25.9
	3.0 m 10'																		5.250	7.980'	7.980'	7.980'	27.9
	1.5 m 5'																		4.680	7.870'	7.650'	8.190'	28.9
	0.0 m 0'																		2.5	4.0	4.0	4.0'	8.7
	-1.5 m -5'																		4.840	8.350'	8.120'	11.710'	26.9
	-3.0 m -10'																		3.3	5.3	5.1	6.4'	7.1
	-4.5 m -15'																		5.770	9.940'	9.940'	14.200'	23.9
	 5.7 m, 18' 8" mono-block boom  4.0 m, 13' 1" MH arm Front outriggers Rear dozer blade	9.0 m 30'																	4.8	4.8'	4.8'	4.8'	6.5
7.5 m 25'																			9.370	10.780'	10.780'	10.780'	21.9
6.0 m 20'																			3.5	4.3'	4.3'	4.3'	7.9
4.5 m 15'																			6.650	9.460'	9.460'	9.460'	26.9
3.0 m 10'																			2.9	4.0	4.0	4.0'	8.9
1.5 m 5'																			5.390	8.530'	8.310'	8.900'	29.9
0.0 m 0'																			2.6	4.0	3.9	4.0'	9.4
-1.5 m -5'																			4.350	7.240'	7.050'	10.940'	31.9
-3.0 m -10'																			4.860	8.110'	7.890'	12.780'	28.9
-4.5 m -15'																			3.3	5.3	5.1	5.8'	7.8

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Lifting capacity

At the arm end, without bucket and quick fit. Unit: ton, **lb**

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

Across under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine center (u = support up / d = support down)														Max. m ft					
		1.5 m, 5'		3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'		Max. reach							
		u	d	u	d	u	d	u	d	u	d	u	d	u	d		u	d			
5.7 m, 18' 8" mono-block boom 2.45 m, 8' 0" dipper arm Front grab holder Rear dozer blade	7.5 m 25'																49	49'	49'	49'	59
	6.0 m 20'								4.8	5.3	6.4	6.4					36	39	45'	45'	71
	4.5 m 15'								10,340	11,390	13,930*	13,930*					7,990	8,820	9,940*	9,940*	23 ft
	3.0 m 10'								7.1	7.9	8.4*	8.4*	4.6	5.1	6.5	7.0*	6,600	7,310	9,310	9,670*	26 ft
	1.5 m 5'								15,410	17,080	18,190*	18,190*	9,970	11,010	14,050	15,120*	6,940	7,680	9,760	13,800*	27 ft
	0.0 m 0'								6.5	7.2	9.6	10.7*	4.3	4.8	6.2	7.9*	3.1	3.5	4.4	6.6*	82
	-1.5 m -5'								14,020	15,650	20,760	22,950*	9,390	10,410	13,410	17,110*	6,720	7,460	9,530	14,450*	27 ft
	-3.0 m -10'								6.0	6.7	9.0	12.3*	4.1	4.6	5.9	8.8	3.0	3.3	4.3	7.0*	83
	-4.5 m -15'								12,890	14,480	19,450	26,610*	8,820	9,840	12,790	18,960*	6,450	7,190	9,240	15,220*	27 ft
									5.7	6.5	8.8	12.7*	3.9	4.4	5.7	9.2*	2.9	3.2	4.2	7.2*	81
									12,290	13,970	18,890	27,510*	8,450	9,460	12,380	19,870*	6,280	6,990	9,030	15,500*	27 ft
									10.7	11.1*	11.1*	11.1*	3.9	4.3	5.7	9.0*	2.9	3.2	4.2	6.6*	75
								22,940	25,140*	25,140*	25,140*	12,320	13,890	18,800	26,250*	8,320	9,330	12,230	19,400*	26 ft	
								10.9	12.5	14.3*	14.3*	5.8	6.5	8.9	10.6*	3.9	4.4	5.7	7.8*	67	
								23,350	26,820	30,930*	30,930*	12,530	14,110	19,040	22,900*	8,470	9,470	12,390	16,790*	22 ft	
								6.1	6.8	7.4*	7.4*	6.1	6.8	7.4*	7.4*					52	
								13,160	14,760	15,450*	15,450*	13,160	14,760	15,450*	15,450*					16 ft	
5.7 m, 18' 8" mono-block boom 2.6 m, 8' 6" dipper arm Front grab holder Rear dozer blade	7.5 m 25'																				45'
	6.0 m 20'																				20 ft
	4.5 m 15'																				24 ft
	3.0 m 10'																				83
	1.5 m 5'																				27 ft
	0.0 m 0'																				82
	-1.5 m -5'																				27 ft
	-3.0 m -10'																				77
	-4.5 m -15'																				68
																					54
																					17 ft
	5.7 m, 18' 8" mono-block boom 2.9 m, 9' 6" dipper arm Front grab holder Rear dozer blade	7.5 m 25'																			
6.0 m 20'																					21 ft
4.5 m 15'																					25 ft
3.0 m 10'																					87
1.5 m 5'																					28 ft
0.0 m 0'																					85
-1.5 m -5'																					28 ft
-3.0 m -10'																					23 ft
-4.5 m -15'																					57
																					19 ft
																					6.5
5.7 m, 18' 8" mono-block boom 4.0 m, 13' 1" MH arm Front grab holder Rear dozer blade		9.0 m 30'																			
	7.5 m 25'																				19 ft
	6.0 m 20'																				26 ft
	4.5 m 15'																				29 ft
	3.0 m 10'																				94
	1.5 m 5'																				98
	0.0 m 0'																				32 ft
	-1.5 m -5'																				28 ft
	-3.0 m -10'																				24 ft
	-4.5 m -15'																				24 ft
	-6.0 m -20'																				57

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Lifting capacity

At the arm end, without bucket and quick fit. Unit: ton, **lb**

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 center (u = support up / d = support down)																				
			3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'		Max. reach										
			u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m	ft			
 5.7 m, 18' 8" 2-piece boom 2.45 m, 8' 0" dipper arm Front dozer blade Rear outriggers	 9.0 m 30' 7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10'	9.0 m															7.0'	7.0'	7.0'	7.0'	3.9		
		7.5 m																16,120*	16,120*	16,120*	16,120*	12 ft	
		6.0 m				5.7'	5.7'	5.7'	5.7'	4.2	5.7'	5.7'	5.7'					9,460	12,150*	12,150*	12,150*	19 ft	
		4.5 m				6.1'	6.1'	6.1'	6.1'	4.2	5.8'	5.8'	5.8'					6,690	10,840*	9,400	10,840*	23 ft	
		3.0 m				13,250*	13,250*	13,250*	13,250*	9,090	12,640*	12,640*	12,640*					2.7	4.6	3.9	5.8'	7.9	
		1.5 m				6.3	7.6'	7.6'	7.6'	4.0	6.4'	5.6	6.4'					5,450	9,140	7,770	10,380*	26 ft	
		0.0 m				13,640	16,430*	16,430*	16,430*	8,680	13,840*	12,160	13,840*	5,880	9,790	8,340	12,860*	2.2	3.7	3.2	4.8'	8.3	
		-1.5 m	9.0	9.7'	9.7'	9.7'	5.6	9.8	8.2	9.9'	3.7	6.3	5.3	7.3'	2.6	4.4	3.8	6.2'	4,830	8,250	6,990	10,460*	27 ft
		-5'	19,340	22,090*	22,090*	22,090*	12,100	21,140	17,670	21,250*	8,030	13,520	11,460	15,880*	5,640	9,520	8,090	13,580*	2.1	3.6	3.0	5.0'	8.4
		-3.0 m				10,840	19,660	16,270	25,290*	7,410	12,820	10,790	17,930*	5,350	9,200	7,780	14,530*	4,580	7,940	6,700	10,950*	28 ft	
 5.7 m, 18' 8" 2-piece boom 2.6 m, 8' 6" dipper arm Front dozer blade Rear outriggers	 9.0 m 30' 7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10'	9.0 m															6.4'	6.4'	6.4'	6.4'	4.2		
		7.5 m																14,690*	14,690*	14,690*	14,690*	13 ft	
		6.0 m				5.4'	5.4'	5.4'	5.4'	4.2	5.7'	5.7'	5.7'					4.0	5.0'	5.0'	5.0'	6.2	
		4.5 m				12,060*	12,060*	12,060*	12,060*	4.3	5.6'	5.6'	5.6'					9,080	11,140*	11,140*	11,140*	20 ft	
		3.0 m				5.9'	5.9'	5.9'	5.9'	4.1	6.2'	5.7	6.2'					2.9	4.5'	4.1	4.5'	7.4	
		1.5 m				12,770*	12,770*	12,770*	12,770*	9,180	12,290*	12,290*	12,290*					6,520	10,050*	9,150	10,050*	24 ft	
		0.0 m				6.4	7.4'	7.4'	7.4'	4.1	6.2'	5.7	6.2'	2.8	4.6	3.9	5.7'	2.4	4.0	3.4	4.4'	8.1	
		-1.5 m	9.0	9.9'	9.9'	9.9'	8,760	13,550*	15,940*	15,940*	8,760	13,550*	12,250	13,550*	5,950	9,860	8,410	12,590*	5,340	8,950	7,620	9,710*	26 ft
		-5'	19,230	22,480*	22,480*	22,480*	5.7	9.7'	8.3	9.7'	3.7	6.3	5.3	7.2'	2.6	4.4	3.8	6.1'	2.1	3.7	3.1	4.4'	8.4
		-3.0 m				12,250	20,760*	17,840	20,760*	8,100	13,600	11,540	15,630*	5,690	9,570	8,140	13,390*	4,740	8,100	6,860	9,790*	28 ft	
 5.7 m, 18' 8" 2-piece boom 2.9 m, 9' 6" dipper arm Front dozer blade Rear outriggers	 9.0 m 30' 7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10'	9.0 m															5.3'	5.3'	5.3'	5.3'	4.7		
		7.5 m																12,110*	12,110*	12,110*	12,110*	15 ft	
		6.0 m				4.9'	4.9'	4.9'	4.9'	4.3	5.2'	5.2'	5.2'					3.6	4.3'	4.3'	4.3'	6.6	
		4.5 m				10,960*	10,960*	10,960*	10,960*	9,280	11,760*	11,760*	11,760*					8,300	9,660*	9,660*	9,660*	21 ft	
		3.0 m				5.4'	5.4'	5.4'	5.4'	4.3	5.3'	5.3'	5.3'	2.8	4.7	4.0	5.0'	2.7	4.0'	3.8	4.0'	7.7	
		1.5 m				11,740*	11,740*	11,740*	11,740*	9,300	11,540*	11,540*	11,540*					6,100	8,810*	8,590	8,810*	25 ft	
		0.0 m				5.4	6.9'	6.9'	6.9'	4.1	5.9'	5.7	5.9'	2.8	4.6	3.9	5.5'	2.3	3.8	3.3	3.9'	8.3	
		-1.5 m	8.8	9.8'	9.8'	9.8'	14,030	14,840*	14,840*	14,840*	8,850	12,860*	12,350	12,860*	6,000	9,930	8,480	11,990*	5,040	8,480	7,210	8,560*	27 ft
		-5'	18,860	22,340*	22,340*	22,340*	5.8	9.1'	8.4	9.1'	3.8	6.3	5.4	6.9'	2.6	4.5	3.8	5.9'	2.0	3.5	2.9	3.9'	8.7
		-3.0 m				12,460	19,640*	18,090	19,640*	8,170	13,680	11,620	15,010*	5,700	9,600	8,160	12,920*	4,480	7,700	6,520	8,680*	28 ft	
 5.7 m, 18' 8" 2-piece boom 4.0 m, 13' 1" MH arm Front dozer blade Rear outriggers	 10.5 m 35' 9.0 m 30' 7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m -15'	10.5 m															5.9'	5.9'	5.9'	5.9'	4.3		
		9.0 m																13,580*	13,580*	13,580*	13,580*	13 ft	
		7.5 m																3.9	5.1'	5.1'	5.1'	6.7	
		6.0 m																8,960	11,330*	11,330*	11,330*	21 ft	
		4.5 m																2.8	4.5	3.9	4.5'	8.1	
		3.0 m																6,390	10,000*	8,740	10,000*	26 ft	
		1.5 m																2.3	3.7	3.2	4.2'	9.0	
		0.0 m																5,180	8,340	7,170	9,310*	29 ft	
		-1.5 m	8.8	9.8'	9.8'	9.8'	5.3'	5.3'	5.3'	5.3'	4.6	5.1'	5.1'	5.1'	3.2	4.9'	4.4	4.9'	2.0	3.3	2.8	4.1'	9.5
		-3.0 m																4,510	7,380	6,320	9,030*	31 ft	

Notes: 1. Working pressure with Power Boost = 36 MPa, 5,220 psi.

2. The above values are in compliance with ISO standard 10567. 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.

4. Values are not 1 : 1 (ton : lb) conversions due to different reach and height input. Some Imperial equivalent values fall outside of working range.

Lifting capacity

At the arm end, without bucket and quick fit. Unit: ton, **lb**

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 center (u = support up / d = support down)																				
		3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'		Max. reach										
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m	ft			
 5.7 m, 18' 8" 2-piece boom 2.45 m, 8' 0" dipper arm Front and rear outriggers	9.0 m 30'																7.0*	7.0*	7.0*	7.0*	3.9	
	7.5 m 25'					5.7*	5.7*	5.7*	5.7*	4.2	5.7*	5.7*	5.7*					16,120*	16,120*	16,120*	16,120*	12 ft
	6.0 m 20'					6.1*	6.1*	6.1*	6.1*	4.3	5.8*	5.8*	5.8*					9,600	12,150*	12,150*	12,150*	19 ft
	4.5 m 15'					6.4	7.6*	7.6*	7.6*	4.1	6.4*	5.9	6.4*					6,800	10,840*	9,800	10,840*	23 ft
	3.0 m 10'					5.7	9.9*	8.5	9.9*	3.8	7.3*	5.5	7.3*	2.8	5.7	4.1	5.9*	5,550	10,380*	8,130	10,380*	26 ft
	1.5 m 5'					5.1	11.7*	7.9	11.7*	3.5	7.5	5.2	8.3*	2.5	5.4	3.8	6.7*	4,920	10,310	7,320	10,460*	27 ft
	0.0 m 0'					11,040	25,290*	17,000	25,290*	7,550	16,240	12,080	17,930*	5,450	11,550	8,150	14,530*	2,1	4.5	3.2	5.0*	8.4
	-1.5 m -5'	9.2	9.7*	9.7*	9.7*	4.8	11.6	7.6	12.2*	3.2	7.2	5.0	8.9*	2.4	5.2	3.7	6.8*	2,2	4.6	3.3	5.5*	8.2
	-3.0 m -10'	19,690	22,090*	22,090*	22,090*	10,430	24,880	16,320	26,350*	7,010	15,590	10,700	19,290*	5,240	11,300	7,920	14,590*	4,750	10,210	7,180	12,050*	27 ft
						5.0	11.0*	7.7	11.0*	3.3	7.3	5.0	8.1*	2.4	5.2	3.7	6.8*	2,4	5.1	3.6	6.4*	7.7
 5.7 m, 18' 8" 2-piece boom 2.6 m, 8' 6" dipper arm Front and rear outriggers	9.0 m 30'																6.4*	6.4*	6.4*	6.4*	4.2	
	7.5 m 25'					5.4*	5.4*	5.4*	5.4*	4.3	5.7*	5.7*	5.7*					14,690*	14,690*	14,690*	14,690*	13 ft
	6.0 m 20'					12,060*	12,060*	12,060*	12,060*	4.3	5.6*	5.6*	5.6*					9,220	11,140*	11,140*	11,140*	20 ft
	4.5 m 15'					5.9*	5.9*	5.9*	5.9*	4.3	5.6*	5.6*	5.6*					3,200	4.5*	4.3	4.5*	7.4
	3.0 m 10'					12,770*	12,770*	12,770*	12,770*	9,310	12,290*	12,290*	12,290*					6,630	10,050*	9,540	10,050*	24 ft
	1.5 m 5'					6.5	7.4*	7.4*	7.4*	4.1	6.2*	5.9	6.2*	2.8	5.7	4.1	5.7*	2,5	4.4*	3.6	4.4*	8.1
	0.0 m 0'					13,990	15,940*	15,940*	15,940*	8,890	13,550*	12,740	13,550*	6,050	12,230	8,780	12,590*	5,440	9,710*	7,960	9,710*	26 ft
	-1.5 m -5'	9.1	9.9*	9.9*	9.9*	5.8	9.7*	8.6	9.7*	3.8	7.2*	5.6	7.2*	2.7	5.5	4.0	6.1*	2,2	4.4*	3.3	4.4*	8.4
	-3.0 m -10'	19,580	22,480*	22,480*	22,480*	12,450	20,760*	18,570	20,760*	8,240	15,630*	12,030	15,630*	5,790	11,940	8,510	13,390*	4,830	9,790*	7,190	9,790*	28 ft
						5.2	11.6*	7.9	11.6*	3.5	7.6	5.3	8.2*	2.5	5.4	3.8	6.6*	2,1	4.4	3.1	4.7*	8.5
 5.7 m, 18' 8" 2-piece boom 2.9 m, 9' 6" dipper arm Front and rear outriggers	9.0 m 30'																5.3*	5.3*	5.3*	5.3*	4.7	
	7.5 m 25'					4.9*	4.9*	4.9*	4.9*	4.4	5.3*	5.3*	5.3*					12,110*	12,110*	12,110*	12,110*	15 ft
	6.0 m 20'					10,960*	10,960*	10,960*	10,960*	9,420	11,760*	11,760*	11,760*					8,430	9,660*	9,660*	9,660*	21 ft
	4.5 m 15'					11,740*	11,740*	11,740*	11,740*	9,430	11,540*	11,540*	11,540*	2.9	5.1*	4.2	5.1*	2,8	4.0*	4.0*	4.0*	7.7
	3.0 m 10'					6.6	6.9*	6.9*	6.9*	4.2	5.9*	5.9*	5.9*	2.9	5.5*	4.1	5.5*	2,3	3.9*	3.4	3.9*	8.3
	1.5 m 5'					14,230	14,840*	14,840*	14,840*	8,990	12,860*	12,840	12,860*	6,110	11,990*	8,850	11,990*	5,130	8,560*	7,540	8,560*	27 ft
	0.0 m 0'					5.9	9.1*	8.7	9.1*	3.8	6.9*	5.6	8.9*	2.7	5.6	4.0	5.9*	2,1	3.9*	3.1	3.9*	8.7
	-1.5 m -5'	9.0	9.8*	9.8*	9.8*	12,660	19,640*	18,820	19,640*	8,300	15,010*	12,110	15,010*	5,810	11,970	8,530	12,920*	4,570	8,680*	6,830	8,680*	28 ft
	-3.0 m -10'	19,210	22,340*	22,340*	22,340*	5.2	11.2*	8.0	11.2*	3.5	7.6	5.3	8.0*	2.5	5.4	3.8	6.5*	2,0	4.2*	3.0	4.2*	8.8
						11,240	24,120*	17,230	24,120*	7,620	16,340	11,370	17,240*	5,470	11,580	8,170	14,030*	4,340	9,130*	6,560	9,130*	29 ft
 5.7 m, 18' 8" 2-piece boom 4.0 m, 13' 1" MH arm Front and rear outriggers	10.5 m 35'																5.9*	5.9*	5.9*	5.9*	4.3	
	9.0 m 30'																	13,580*	13,580*	13,580*	13,580*	13 ft
	7.5 m 25'																	4.0	5.1*	5.1*	5.1*	6.7
	6.0 m 20'																	9,090	11,330*	11,330*	11,330*	21 ft
	4.5 m 15'																	2.9	4.5*	4.0	4.5*	8.1
	3.0 m 10'																	6,490	10,000*	9,090	10,000*	26 ft
	1.5 m 5'																	2.4	4.2*	3.4	4.2*	9.0
	0.0 m 0'																	5,270	9,310*	7,480	9,310*	29 ft
	-1.5 m -5'																	2.1	4.1	3.0	4.1*	9.5
	-3.0 m -10'	8.9	11.9*	11.9*	11.9*	10,100	11,040*	11,040*	11,040*	7,010	10,720*	11,040*	11,040*	5,020	9,770	7,150	10,740*	4,590	9,030*	6,600	9,030*	31 ft

Notes: 1. Working pressure with Power Boost = 36 MPa, 5,220 psi.
 2. The above values are in compliance with ISO standard 10567. 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.
 4. Values are not 1 : 1 (ton : lb) conversions due to different reach and height input. Some Imperial equivalent values fall outside of working range.

Lifting capacity

At the arm end, without bucket and quick fit. Unit: ton, **lb**

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

	Across under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine center (u = support up / d = support down)																						
			3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'		Max. reach												
			u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m	ft							
5.7 m, 18' 8" 2-piece boom 2.45 m, 8' 0" dipper arm Front dozer blade Rear outriggers	Along under-carriage	9.0 m 30'																7.0'	7.0'	7.0'	7.0'	3.9			
		7.5 m 25'																	16.120*	16.120*	16.120*	16.120*	12.0		
		6.0 m 20'																	11.270	12.150*	12.150*	12.150*	19.0		
		4.5 m 15'																	8.130	10.840*	10.840*	10.840*	23.0		
		3.0 m 10'																	3.0	4.7*	4.2	4.7*	7.9		
		1.5 m 5'																	6.730	10.380*	9.270	10.380*	26.0		
		0.0 m 0'																	2.7	4.4	3.8	4.8*	8.3		
		-1.5 m -5'	9.7*	9.7*	9.7*	9.7*													6.040	9.770	8.400	10.460*	27.0		
		-3.0 m -10'	22.090*	22.090*	22.090*	22.090*													2.6	4.3	3.7	5.0*	8.4		
		5.7 m, 18' 8" 2-piece boom 2.6 m, 8' 6" dipper arm Front dozer blade Rear outriggers	Along under-carriage	9.0 m 30'																					
7.5 m 25'																									
6.0 m 20'																									
4.5 m 15'																									
3.0 m 10'																									
1.5 m 5'																									
0.0 m 0'																									
-1.5 m -5'	9.9*			9.9*	9.9*	9.9*																			
-3.0 m -10'	22.480*			22.480*	22.480*	22.480*																			
5.7 m, 18' 8" 2-piece boom 2.9 m, 9' 6" dipper arm Front dozer blade Rear outriggers	Along under-carriage			9.0 m 30'																					
		7.5 m 25'																							
		6.0 m 20'																							
		4.5 m 15'																							
		3.0 m 10'																							
		1.5 m 5'																							
		0.0 m 0'																							
		-1.5 m -5'	9.8*	9.8*	9.8*	9.8*																			
		-3.0 m -10'	22.340*	22.340*	22.340*	22.340*																			
		5.7 m, 18' 8" 2-piece boom 4.0 m, 13' 1" MH arm Front dozer blade Rear outriggers	Along under-carriage	10.5 m 35'																					
9.0 m 30'																									
7.5 m 25'																									
6.0 m 20'																									
4.5 m 15'																									
3.0 m 10'																									
1.5 m 5'																									
0.0 m 0'																									
-1.5 m -5'	10.8			11.9*	11.9*	11.9*																			
-3.0 m -10'	23.260			26.980*	26.980*	26.980*																			
-4.5 m -15'																									

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Lifting capacity

At the arm end, without bucket and quick fit. Unit: ton, **lb**

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 center (u = support up / d = support down)																					
		3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'		Max. reach											
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m	ft				
 5.7 m, 18' 8" 2-piece boom 2.45 m, 8' 0" dipper arm Front and rear outriggers	9.0 m 30'																7.0'	7.0'	7.0'	7.0'	3.9		
	7.5 m 25'					5.7'	5.7'	5.7'	5.7'	5.1	5.7'	5.7'	5.7'					16,120*	16,120*	16,120*	16,120*	12 ft	
	6.0 m 20'					6.1'	6.1'	6.1'	6.1'	12,590*	12,590*	12,590*	12,590*					5.0	5.4'	5.4'	5.4'	6.0	
	4.5 m 15'					6.1'	6.1'	6.1'	6.1'	11,420	12,150	12,150*	12,150*					3.7	4.9'	4.9'	4.9'	7.2	
	3.0 m 10'					6.8	9.9'	9.9'	9.9'	13,250*	13,250*	13,250*	13,250*					8,240	10,840*	10,840*	10,840*	23 ft	
	1.5 m 5'					6.3	11.7'	9.3	11.7'	10,970	12,640*	12,640*	12,640*					3.1	4.7'	4.3	4.7'	7.9	
	0.0 m 0'					6.3	11.7'	9.3	11.7'	10,970	12,640*	12,640*	12,640*					6,830	10,380*	9,630	10,380*	26 ft	
	-1.5 m -5'	9.7'	9.7'	9.7'	9.7'	6.0	12.2'	9.0	12.2'	13,540	25,290*	20,080	25,290*					2.8	4.8'	4.0	4.8'	8.3	
	-3.0 m -10'	22,090*	22,090*	22,090*	22,090*	6.1	11.0'	9.1	11.0'	9,290	17,930*	13,360	17,930*					6,140	10,460*	8,740	10,460*	27 ft	
	-4.5 m -15'	22,090*	22,090*	22,090*	22,090*	6.0	12.4'	9.1	12.4'	13,010	26,850*	19,480	26,850*					2.7	5.0'	3.8	5.0'	8.4	
 5.7 m, 18' 8" 2-piece boom 2.6 m, 8' 6" dipper arm Front and rear outriggers	9.0 m 30'																						
	7.5 m 25'					5.4'	5.4'	5.4'	5.4'	12,060*	12,060*	12,060*	12,060*					6.4'	6.4'	6.4'	6.4'	4.2	
	6.0 m 20'					5.9'	5.9'	5.9'	5.9'	10,970	11,400*	11,400*	11,400*					4.8	5.0'	5.0'	5.0'	6.2	
	4.5 m 15'					7.4'	7.4'	7.4'	7.4'	12,770*	12,770*	12,770*	12,770*					3.6	4.5'	4.5'	4.5'	7.4	
	3.0 m 10'					6.9	9.7'	9.7'	9.7'	11,060	12,290*	12,290*	12,290*					8,040	10,050*	10,050*	10,050*	24 ft	
	1.5 m 5'					6.3	11.6'	9.4	11.6'	9,990	15,630*	14,110	15,630*					3.0	4.4'	4.3	4.4'	8.1	
	0.0 m 0'					6.3	11.6'	9.4	11.6'	9,990	15,630*	14,110	15,630*					6,700	9,710*	9,430	9,710*	26 ft	
	-1.5 m -5'	9.9'	9.9'	9.9'	9.9'	6.0	12.2'	9.0	12.2'	13,650	24,970*	20,200	24,970*					2.7	4.7'	3.8	4.7'	8.5	
	-3.0 m -10'	22,480*	22,480*	22,480*	22,480*	6.1	11.2'	9.1	11.2'	13,050	26,780*	19,530	26,780*					5,860	11,360*	8,440	11,360*	27 ft	
	-4.5 m -15'	22,480*	22,480*	22,480*	22,480*	6.1	11.2'	9.1	11.2'	13,150	24,250*	19,640	24,250*					6,380	12,770*	9,200	13,280*	26 ft	
 5.7 m, 18' 8" 2-piece boom 2.9 m, 9' 6" dipper arm Front and rear outriggers	9.0 m 30'																						
	7.5 m 25'					4.9'	4.9'	4.9'	4.9'	10,960*	10,960*	10,960*	10,960*					9.660*	9,660*	9,660*	9,660*	21 ft	
	6.0 m 20'					5.4'	5.4'	5.4'	5.4'	11,740*	11,740*	11,740*	11,740*					3.4	4.0'	4.0'	4.0'	7.7	
	4.5 m 15'					5.4'	5.4'	5.4'	5.4'	11,810	11,540*	11,540*	11,540*					7,550	8,810*	8,810*	8,810*	25 ft	
	3.0 m 10'					6.9	6.9'	6.9'	6.9'	10,730	12,860*	12,860*	12,860*					2.9	3.9'	3.9'	3.9'	8.3	
	1.5 m 5'					7.0	9.1'	9.1'	9.1'	10,730	12,860*	12,860*	12,860*					6,350	8,560*	8,560*	8,560*	27 ft	
	0.0 m 0'					7.0	9.1'	9.1'	9.1'	10,730	12,860*	12,860*	12,860*					2.6	3.9'	3.7	3.9'	8.7	
	-1.5 m -5'	9.8'	9.8'	9.8'	9.8'	6.4	11.2'	9.4	11.2'	15,160	19,640*	19,640*	19,640*					5,730	8,680*	8,170	8,680*	28 ft	
	-3.0 m -10'	22,340*	22,340*	22,340*	22,340*	6.0	11.5'	9.0	11.5'	13,740	24,120*	20,320	24,120*					2.5	4.2'	3.6	4.2'	8.8	
	-4.5 m -15'	22,340*	22,340*	22,340*	22,340*	6.0	12.2'	9.1	12.2'	13,000	26,420*	19,490	26,420*					5,480	9,130*	7,880	9,130*	29 ft	
 5.7 m, 18' 8" 2-piece boom 4.0 m, 13' 1" MH arm Front and rear outriggers	10.5 m 35'																						
	9.0 m 30'																						
	7.5 m 25'									4.7'	4.7'	4.7'	4.7'					4.7	5.1'	5.1'	5.1'	6.7	
	6.0 m 20'									4.2'	4.2'	4.2'	4.2'					10,710	11,330*	11,330*	11,330*	21 ft	
	4.5 m 15'									4.2'	4.2'	4.2'	4.2'					3.5	4.5'	4.5'	4.5'	8.1	
	3.0 m 10'									9,270*	9,270*	9,270*	9,270*					7,760	10,000*	10,000*	10,000*	26 ft	
	1.5 m 5'									4.4'	4.4'	4.4'	4.4'					2.9	4.2'	3.9	4.2'	9.0	
	0.0 m 0'									9,580*	9,580*	9,580*	9,580*					6,390	9,310*	8,770	9,310*	29 ft	
	-1.5 m -5'									5.1'	5.1'	5.1'	5.1'					2.5	4.1'	3.5	4.1'	9.5	
	-3.0 m -10'	11.0	11.9'	11.9'	11.9'	5.1	6.1'	6.1'	6.1'	11,090	13,340*	13,340*	13,340*					5,230	9,030*	7,800	9,030*	31 ft	

- Notes: 1. Working pressure with Power Boost = 36 MPa, 5,220 psi.
- 2. The above values are in compliance with ISO standard 10567. 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.
- 4. Values are not 1 : 1 (ton : lb) conversions due to different reach and height input. Some Imperial equivalent values fall outside of working range.

Lifting capacity

At the arm end, without bucket and quick fit. Unit: ton, **lb**

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.

Icon	Across under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine center (u = support up / d = support down)																				
			3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'		Max. reach										
			u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m	ft			
5.7 m, 18' 8" 2-piece boom 2.45 m, 8' 0" dipper arm Front outriggers Rear dozer blade	Icon	9.0 m 30'																7.0'	7.0'	7.0'	7.0'	3.9	
		7.5 m 25'																	16,120*	16,120*	16,120*	16,120*	12 ft
		6.0 m 20'																	4.1	5.4*	5.4*	5.4*	6.0
		4.5 m 15'																	9,410	12,150*	12,150*	12,150*	19 ft
		3.0 m 10'																	3.0	4.9*	4.8	4.9*	7.2
		1.5 m 5'																	6,650	10,840*	10,650	10,840*	23 ft
		0.0 m 0'																	2.4	4.1	4.0	4.7*	7.9
		-1.5 m -5'	9.0	9.7*	9.7*	9.7*													5,410	9,100	8,850	10,380*	26 ft
		-3.0 m -10'	19,220	22,090*	22,090*	22,090*													2.2	3.7	3.6	4.8*	8.3
		9.0 m 30'																		4,790	8,220	7,990	10,460*
7.5 m 25'																		2.1	3.6	3.5	5.0*	8.4	
6.0 m 20'																		4,550	7,910	7,690	10,950*	28 ft	
4.5 m 15'																		2.1	3.7	3.6	5.5*	8.2	
3.0 m 10'																		4,610	8,090	7,860	12,050*	27 ft	
1.5 m 5'																		2.3	4.0	3.9	6.4*	7.7	
0.0 m 0'																		5,070	8,880	8,620	14,070*	25 ft	
-1.5 m -5'	9.0	9.7*	9.7*	9.7*														2.8	4.9	4.7	6.7*	6.8	
-3.0 m -10'	19,220	22,090*	22,090*	22,090*														6,210	10,830	10,500	14,790*	22 ft	
9.0 m 30'																			6.4*	6.4*	6.4*	6.4*	4.2
7.5 m 25'																			4.0	5.0*	5.0*	5.0*	6.2
6.0 m 20'																			9,030	11,140*	11,140*	11,140*	20 ft
4.5 m 15'																			2.9	4.5*	4.5*	4.5*	7.4
3.0 m 10'																			6,480	10,050*	10,050*	10,050*	24 ft
1.5 m 5'																			2.4	4.4*	3.9	4.4*	8.1
0.0 m 0'																			5,300	9,710*	8,670	9,710*	26 ft
-1.5 m -5'	8.9	9.9*	9.9*	9.9*															2.1	4.1	3.6	4.4*	8.4
-3.0 m -10'	19,110	22,480*	22,480*	22,480*															4,710	9,110	7,840	9,790*	28 ft
9.0 m 30'																			2.0	4.0	3.4	4.7*	8.5
7.5 m 25'																			4,460	8,780	7,550	10,400*	28 ft
6.0 m 20'																			2.1	4.1	3.5	5.1*	8.3
4.5 m 15'																			4,520	8,980	7,700	11,360*	27 ft
3.0 m 10'																			2.2	4.4	3.8	6.0*	7.8
1.5 m 5'																			4,940	9,820	8,410	13,280*	26 ft
0.0 m 0'																			2.7	5.3	4.6	6.7*	6.9
-1.5 m -5'	8.9	9.9*	9.9*	9.9*															5,990	11,870	10,140	14,700*	23 ft
-3.0 m -10'	19,110	22,480*	22,480*	22,480*															12,110*	12,110*	12,110*	12,110*	15 ft
9.0 m 30'																			3.6	4.3*	4.3*	4.3*	6.6
7.5 m 25'																			8,250	9,660*	9,660*	9,660*	21 ft
6.0 m 20'																			2.7	4.0*	4.0*	4.0*	7.7
4.5 m 15'																			6,080	8,810*	8,810*	8,810*	25 ft
3.0 m 10'																			2.3	3.8	3.7	3.9*	8.3
1.5 m 5'																			5,000	8,450	8,210	8,560*	27 ft
0.0 m 0'																			2.0	3.5	3.4	3.9*	8.7
-1.5 m -5'	8.7	9.8*	9.8*	9.8*															4,450	7,670	7,460	8,680*	28 ft
-3.0 m -10'	18,720	22,340*	22,340*	22,340*															1.9	3.3	3.3	4.1*	8.8
9.0 m 30'																			4,210	7,380	7,170	9,130*	29 ft
7.5 m 25'																			1.9	3.4	3.3	4.6*	8.6
6.0 m 20'																			4,240	7,500	7,290	10,050*	28 ft
4.5 m 15'																			2.1	3.7	3.6	5.3*	8.1
3.0 m 10'																			4,600	8,140	7,900	11,700*	26 ft
1.5 m 5'																			2.5	4.4	4.2	6.5*	7.2
0.0 m 0'																			5,490	9,670	9,370	14,280*	24 ft
-1.5 m -5'	8.7	9.8*	9.8*	9.8*															5.9*	5.9*	5.9*	5.9*	4.3
-3.0 m -10'	18,720	22,340*	22,340*	22,340*															13,580*	13,580*	13,580*	13,580*	13 ft
9.0 m 30'																			3.9	5.1*	5.1*	5.1*	6.7
7.5 m 25'																			8,920	11,330*	11,330*	11,330*	21 ft
6.0 m 20'																			2.8	4.5	4.4	4.5*	8.1
4.5 m 15'																			6,350	10,000	9,820	10,000*	26 ft
3.0 m 10'																			2.3	3.7	3.6	4.2*	9.0
1.5 m 5'																			5,150	8,300	8,090	9,310*	29 ft
0.0 m 0'																			2.0	3.3	3.2	4.1*	9.5
-1.5 m -5'	8.7	9.8*	9.8*	9.8*															4,480	7,340	7,160	9,030*	31 ft
-3.0 m -10'	18,720	22,340*	22,340*	22,340*															4,150	7,060	6,880	10,800*	31 ft
-4.5 m -15'	8.7	11.9*	11.9*	11.9*															2.1	3.6	3.5	5.6*	8.6
-6.0 m -20'	18,720	26,980*	26,980*	26,980*															4,660	7,910	7,700	12,490*	28 ft
-7.5 m -25'	18,720	26,980*	26,980*	26,980*															2.6	4.4	4.3	6.1*	7.4
-9.0 m -30'	18,720	26,980*	26,980*	26,980*															5,860	9,980	9,690	13,670*	24 ft

Notes: 1. Working pressure with Power Boost = 36 MPa, 5,220 psi.

2. The above values are in compliance with ISO standard 10567. 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.

4. Values are not 1 : 1 (ton : lb) conversions due to different reach and height input. Some Imperial equivalent values fall outside of working range.

Lifting capacity

At the arm end, without bucket and quick fit. Unit: ton, **lb**

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 center (u = support up / d = support down)														Max. reach												
		3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'						Max. m ft												
		u	d	u	d	u	d	u	d	u	d	u	d	u	d		u	d										
	9.0 m 30'																	7.0'	7.0'	7.0'	7.0'	3.9						
	7.5 m 25'					5.7'	5.7'	5.7'	5.7'	3.9	4.4	5.7	5.7'										16,120*	16,120*	16,120*	16,120*	12 ft	
	6.0 m 20'					6.1'	6.1'	6.1'	6.1'	12,590*	12,590*	12,590*	12,590*										8,920	9,940	12,150*	12,150*	19 ft	
	5.7 m, 18' 8" 2-piece boom					6.0	6.7	7.6'	7.6'	8,560	9,550	12,380	12,640*										2.8	3.1	4.1	4.9*	7.2	
	2.45 m, 8' 0" dipper arm					12,900	14,450	16,430*	16,430*	8,150	9,130	11,930	13,840*	5,480	6,180	8,110	12,860*							6,260	7,020	9,160	10,840*	23 ft
	3.0 m 10'					5.2	5.9	8.1	9.9'	3.5	3.9	5.2	7.3'	2.6	2.9	3.8	5.9'							2.3	2.6	3.4	4.7*	7.9
	1.5 m 5'					11,350	12,860	17,510	21,250*	7,510	8,470	11,220	15,880*	5,240	5,940	7,850	13,580*							4,460	5,080	6,760	10,460*	27 ft
	Front grab holder					4.7	5.4	7.5	11.7'	3.2	3.6	4.9	8.3'	2.3	2.6	3.5	6.7'							1.9	2.2	2.9	5.0*	8.4
	Rear dozer blade					10,100	11,560	16,060	25,290*	6,890	7,830	10,530	15,630*	4,950	5,640	7,530	14,420							4,220	4,830	6,470	10,950*	28 ft
	0.0 m 0'					4.4	5.1	7.2	12.4'	3.0	3.4	4.7	8.9'	2.2	2.5	3.4	6.6'							1.9	2.2	3.0	5.5*	8.2
-1.5 m -5'	8.4	9.7'	9.7'	9.7'	4.4	5.1	7.1	12.2'	6,940	7,880	10,400	19,220*	4,740	5,430	7,310	14,160							4,280	4,910	6,600	12,050*	27 ft	
-3.0 m -10'	18,020	21,120	22,090*	22,090*	4.4	5.1	7.1	12.2'	6,350	7,280	9,940	19,290*	4,730	5,420	7,300	14,150							4,710	5,390	7,260	14,060	25 ft	
					4.5	5.2	7.3	11.0'	3.0	3.5	4.7	8.1'											2.6	3.0	4.0	6.7*	6.8	
					9,740	11,190	15,640	23,860*	6,520	7,460	10,120	17,440*												5,790	6,610	8,890	14,790*	22 ft
																								6.4'	6.4'	6.4'	6.4'	4.2
																								14,690*	14,690*	14,690*	14,690*	13 ft
																								3.8	4.2	5.0'	5.0'	6.2
																								8,560	9,540	11,140*	11,140*	20 ft
																								2.7	3.0	4.0	4.5*	7.4
																								6,100	6,840	8,920	10,050*	24 ft
																								2.2	2.5	3.3	4.4*	8.1
																								4,960	5,610	7,380	9,710*	26 ft
																								2.0	2.3	3.0	4.4*	8.4
																								4,380	4,990	6,630	9,790*	28 ft
																								1.9	2.1	2.9	4.7*	8.5
																								4,140	4,730	6,350	10,300*	27 ft
																								1.9	2.2	2.9	5.2*	8.3
																								4,190	4,800	6,460	11,360*	27 ft
																								2.1	2.4	3.2	6.0*	7.8
																								4,580	5,250	7,070	13,280*	26 ft
																								2.5	2.9	3.9	6.7*	6.9
																								5,580	6,370	8,580	14,700*	23 ft
																								5.3'	5.3'	5.3'	5.3'	4.7
																								12,110*	12,110*	12,110*	12,110*	15 ft
																								3.4	3.8	4.3'	4.3'	6.6
																								7,820	8,720	9,660*	9,660*	21 ft
																								2.5	2.9	3.7	4.0*	7.7
																								5,700	6,410	8,360	8,810*	25 ft
																								2.1	2.4	3.2	3.9*	8.3
																								4,670	5,300	6,990	8,560*	27 ft
																								1.9	2.1	2.9	3.9*	8.7
																								4,140	4,720	6,290	8,680*	28 ft
																								1.8	2.0	2.7	4.2*	8.8
																								3,900	4,480	6,020	9,130*	29 ft
																								1.8	2.1	2.8	4.6*	8.6
																								3,390	4,520	6,110	10,050*	28 ft
																								1.9	2.2	3.0	5.3*	8.1
																								4,260	4,900	6,630	11,700*	26 ft
																								2.3	2.6	3.6	6.5*	7.2
																								5,110	5,850	7,910	14,280*	24 ft
																								5.9'	5.9'	5.9'	5.9'	4.3
																								13,580*	13,580*	13,580*	13,580*	13 ft
																								3.7	4.1	5.1'	5.1'	6.7
																								8,480	9,380	11,330*	11,330*	21 ft
																								2.7	3.0	3.8	4.5*	8.1
																								6,010	6,680	8,520	10,000*	26 ft
																								2.2	2.4	3.1	4.2*	9.0
																								4,850	5,420	6,960	9,310*	29 ft
																								1.9	2.1	2.8	4.1*	9.5
																								4,200	4,720	6,110	9,030*	31 ft
																								3.2	3.6	4.1	4.9*	9.2
																								3,830	4,330	5,650	9,030*	32 ft
																								1.9	2.1	2.9	4.2*	9.9
																								3,660	4,150	5,460	9,280*	33 ft
																								4.8	5.5	7.6	11.7'	9.7
																								10,340	11,810	16,300	25,200*	32 ft
																								4.5	5.2	7.3	12.4'	9.3
																								9,740	11,190	15,610	26,910*	31 ft
																								4.5	5.1	7.2	12.3'	8.6
																								9,610	11,060	15,470	26,700*	31 ft
																								4.6	5.3	7.3	11.3'	7.4
																								9,880	11,330	15,770	24,310*	31 ft
																								6.740	7,680	10,350	17,830*	31 ft

Notes: 1. Working pressure with Power Boost = 36 MPa, 5,2

Lifting capacity

At the arm end, without bucket and quick fit. Unit: ton, **lb**

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 center (u = support up / d = support down)																						
			3.0 m, 10'		4.5 m, 15'		6.0 m, 20'		7.5 m, 25'		9.0 m, 30'		Max. reach												
			u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max. m	ft					
Wheel base 2,850 mm, 9' 4" Counterweight 5,900 kg, 13,010 lb	 5.7 m, 18' 8" 2-piece boom 2.45 m, 8' 0" dipper arm Front grab holder Rear dozer blade	9.0 m 30'																	7.0'	7.0'	7.0'	7.0'	3.9		
		7.5 m 25'																			16.120'	16.120'	16.120'	16.120'	6.0
		6.0 m 20'																			10.730'	11.860'	12.150'	12.150'	19 ft
		4.5 m 15'																			7.700'	8.540'	10.840'	10.840'	23 ft
		3.0 m 10'																			2.9	3.2	4.1	4.7	7.9
		1.5 m 5'																			6.350'	7.070'	9.100'	10.380'	26 ft
		0.0 m 0'																			5.680'	6.350'	8.230'	10.460'	27 ft
		-1.5 m -5'	9.7'	9.7'	9.7'	9.7'															2.5	2.8	3.6	5.0	8.4
		-3.0 m -10'	22,090'	22,090'	22,090'	22,090'															5,420	6,080	7,920	10,950	28 ft
		9.0 m 30'																			2.5	2.8	3.7	5.5	8.2
	7.5 m 25'																			5,520	6,200	8,100	15,120	27 ft	
	6.0 m 20'																			2.7	3.1	4.0	6.4	7.7	
	4.5 m 15'																			6,040	6,780	8,880	14,070	25 ft	
	3.0 m 10'																			3.3	3.7	4.9	6.7	8.3	
	1.5 m 5'																			7,340	8,230	10,800	14,790	22 ft	
	0.0 m 0'																			6.4	6.4	6.4	6.4	4.2	
	-1.5 m -5'	9.9'	9.9'	9.9'	9.9'															14,690'	14,690'	14,690'	14,690'	13 ft	
	-3.0 m -10'	22,330	22,480	22,480	22,480															4.5	5.0	5.0	5.0	6.2	
	9.0 m 30'																			10,310	11,140	11,140	11,140	20 ft	
	7.5 m 25'																			3.4	3.7	4.5	4.5	7.4	
6.0 m 20'																			7.510	8,320	10,050	10,050	24 ft		
4.5 m 15'																			2.8	3.1	4.0	4.4	8.1		
3.0 m 10'																			6,220	6,930	8,910	9,710	26 ft		
1.5 m 5'																			2.5	2.8	3.7	4.4	8.4		
0.0 m 0'																			5,580	6,240	8,070	9,790	28 ft		
-1.5 m -5'	9.9'	9.9'	9.9'	9.9'															2.4	2.7	3.5	4.7	8.5		
-3.0 m -10'	22,330	22,480	22,480	22,480															5,400	5,970	7,770	10,300	28 ft		
9.0 m 30'																			2.5	2.8	3.6	5.2	8.3		
7.5 m 25'																			5,400	6,070	7,930	11,360	27 ft		
6.0 m 20'																			2.7	3.0	3.9	6.0	7.8		
4.5 m 15'																			5,890	6,620	8,660	13,280	26 ft		
3.0 m 10'																			3.2	3.6	4.7	6.7	6.9		
1.5 m 5'																			7,090	7,960	10,430	14,700	23 ft		
0.0 m 0'																			5.3	5.3	5.3	5.3	4.7		
-1.5 m -5'	9.9'	9.9'	9.9'	9.9'															12,110'	12,110'	12,110'	12,110'	15 ft		
-3.0 m -10'	22,330	22,480	22,480	22,480															4.2	4.3	4.3	4.3	6.6		
9.0 m 30'																			9,450	9,660	9,660	9,660	21 ft		
7.5 m 25'																			3.2	3.5	4.0	4.0	7.7		
6.0 m 20'																			7,040	7,810	8,810	8,810	25 ft		
4.5 m 15'																			2.7	3.0	3.8	3.9	8.3		
3.0 m 10'																			5,890	6,560	8,450	8,560	27 ft		
1.5 m 5'																			2.4	2.7	3.5	3.9	8.7		
0.0 m 0'																			5,290	5,930	7,680	8,680	28 ft		
-1.5 m -5'	9.8'	9.8'	9.8'	9.8'															2.3	2.6	3.4	4.2	8.8		
-3.0 m -10'	21,960	22,340	22,340	22,340															5,050	5,670	7,390	9,130	29 ft		
9.0 m 30'																			2.3	2.6	3.4	4.6	8.6		
7.5 m 25'																			5,280	5,740	7,520	10,050	28 ft		
6.0 m 20'																			2.5	2.8	3.7	5.3	8.1		
4.5 m 15'																			5,100	5,740	7,520	10,050	28 ft		
3.0 m 10'																			5,520	6,210	8,150	11,700	26 ft		
1.5 m 5'																			2.9	3.3	4.4	6.5	7.2		
0.0 m 0'																			6,540	7,350	9,660	14,280	24 ft		
-1.5 m -5'	10.5 m 35'																		5.9	5.9	5.9	5.9	4.3		
-3.0 m -10'	9.0 m 30'																		13,580'	13,580'	13,580'	13,580'	13 ft		
9.0 m 30'																			4.4	4.8	5.1	5.1	6.7		
7.5 m 25'																			10,100	11,080	11,330	11,330	21 ft		
6.0 m 20'																			3.2	3.6	4.5	4.5	8.1		
4.5 m 15'																			7,280	8,010	10,000	10,000	26 ft		
3.0 m 10'																			2.7	3.0	3.7	4.2	9.0		
1.5 m 5'																			5,970	6,590	8,310	9,310	29 ft		
0.0 m 0'																			2.4	2.6	3.3	4.1	9.5		
-1.5 m -5'																			5,240	5,800	7,360	9,030	31 ft		
-3.0 m -10'																			2.2	2.4	3.1	4.1	9.9		
9.0 m 30'																			4,830	5,370	6,850	9,030	32 ft		
7.5 m 25'																			4.4	4.9	6.4	7.4	3.3		
6.0 m 20'																			9,580	9,580	9,580	9,580	33 ft		
4.5 m 15'																			5.9	6.7	9.1	11.7			
3.0 m 10'																			12,840	14,460	19,570	25,200			
1.5 m 5'																			5.7	6.4	8.8	12.4			
0.0 m 0'																			12,240	13,840	18,880	26,910			
-1.5 m -5'																			10,430	11,500	13,340	13,340			
-3.0 m -10'																			4.4	4.9	6.4	7.4			
9.0 m 30'																			9,580	10,630	13,730	15,950			
7.5 m 25'																			10,440	11,500	14,440	16,840			
6.0 m 20'																			10,430	11,500	14,440	16,840			
4.5 m 15'																			4.4	4.9	6.4	7.4			
3.0 m 10'																			9,580	10,630	13,730	15,950			
1.5 m 5'																			10,430	11,500	14,440	16,840			
0.0 m 0'																			4.4	4.9	6.4	7.4			
-1.5 m -5'																			9,580	10,630	13,730	15,950			
-3.0 m -10'																			10,430	11,500	14,440	16,840			
9.0 m 30'																			4.4	4.9	6.4	7.4			
7.5 m 25'																			9,580	10,630	13,730	15,950			
6.0 m 20'																									

STANDARD EQUIPMENT

Engine

Turbocharged, 4 stroke Volvo diesel engine with water cooling, direct injection and charged air cooler that meets EPA Tier 3 emission requirements
Intake air pre-heater
Electric engine shut-off
Fuel filter and water separator
Aluminum 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/5.5 kW

Undercarriage

Axles, 2.75 m, **9' 0"** standard wheelbase
2-speed power transmission plus creep speed
Oscillating front axle $\pm 9^\circ$
2-circuit travel brakes
Maintenance-free propeller shafts

Superstructure

Counterweight, 5,900 kg, **13,010 lb**
Service walkway with anti-slip grating
Centralized lubricating point for swing bearing and attachment bearings related to the superstructure

Digging equipment

Attachment points for extra hydraulics
Centralized lubrication point

Cab and interior

Volvo Care Cab with openable PC roof hatch
Heater and air-conditioner, automatic
Hydraulic dampening cab mounts
Adjustable operator seat and joystick control console
Adjustable steering wheel
Hydraulic safety lock lever
Control joystick, with 5 switches each
AM/FM stereo with CD player and MP3 input; includes flexible antenna

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, 3 inch retractable
- Windshield wiper with washer and intermittent feature

Sun shield front, roof and rear
Anti-vandalism kit assembly preparation
Master ignition key

Hydraulic system

Load-sensing hydraulic system
Closed circuit swing 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 VG 46

OPTIONAL EQUIPMENT

Engine

Diesel coolant heater with digital timer
Block heater, 120 V
Water separator with heater
Dust net
Reversible cooling fan
Fuel filler pump: 50 l/min, **13.2 gpm** with automatic shut-off

Electric

Travel alarm
Rotating beacon (cab/counterweight)
Extra work lights:
– Service walkway 1 and counterweight 1
– Boom-mounted 2
– Cab front 2
Electric center passage (6 and 14 channels)
CareTrack
Anti-theft system

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 equipment for:
– Hammer & shears
– Slope bucket/rotator
– Grab / clam shell
– Tilt and Rotating attachment preparation
– Quick fit

Cab and interior

Volvo Care Cab with fixed PC roof hatch
Proportional control joystick
Falling object guard (FOG)
Cab mounted falling object protective structure (FOPS)
Rain shield, front
Safety net for front window
Lower wiper
Rearview camera
Anti-vandalism kit
Smoker kit (ashtray & lighter)
Operator seat:
– Fabric seat, with heater
– Fabric seat, with heater and air suspension

Undercarriage

Twin tires 11.00 - 20 / 10.00 - 20
Single tires 620/40R 22.5
Sparewheel
Stone protection rings
Front dozer blade and rear outriggers
Front outriggers and rear dozer blade
Rear dozer blade
4 outriggers
Grab holder
Mudguards, front / rear
Tool box, left hand side / right hand side
Cruise control with creep speed
Travel speed 20 km/h, **12.4 mph**,
25 km/h, **15.5 mph**
Automatic digging brake
Axles, 2.75 m, **9' 0"** long wheelbase (Road homologation)

Superstructure

Counterweight, 4,400 kg, **9,700 lb**
Automatic lubrication system

Digging equipment

Boom:
5.7 m, **18' 8"** monoblock
5.7 m, **18' 8"** 2-piece boom
Arm:
2.45 m, **8' 0"**
2.6 m, **8' 6"**
2.9 m, **9' 6"**
4.0 m, **13' 1"** MH arm
Buckets:
18" S1 - GD
24" S1 - HD
24" XP - HD
36" S1 - GD
43" S1 - HD
43" XP - HD

Hydraulic quick fit

S1 system
Universal system

Service

Tool kit (Daily Maintenance & Full scale)



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.**



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