EW210C

43,870 - 48,940 lb, 170 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 EW210C wheeled excavators will earn your trust. Dig more, lift more and do more with Volvo's most powerful wheeled excavators. All with the stability you'd expect from a crawler excavator. With that kind of pedigree, the EW210C will rewrite the book on wheeled excavator performance.

Highly mobile. Powerful. Solid. Fuel efficient. Comfortable. The Volvo EW210C 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 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 EW210C 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 job sites at up to 18.6 mph (30 km/h).

Cab puts the operator in command

The EW210C'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 EW210C 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 VO

• 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 EW210C 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.



One shift at the controls of the EW210C 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 EW210C 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 rear-view camera is integrated into the in-cab monitor for extra safety. Digging, lifting or craning, the operator has the cleanest lines of sight, for added confidence and better productivity.

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



· Extra leg and foot room boosts operator comfort.

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



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 EW210C 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 EW210C is more than a machine. It's a force.

One machine, many solutions

The Volvo EW210C 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 EW210C has the power and quality of a whole fleet — built in.

The stout, solid undercarriage anchors the machine for digging, lifting and precision operations. With robust, widespread outriggers and parallel blade, the EW210C can lift as much as a 24-ton (52,911 lb) crawler excavator. And it won't tear up roadway pavement or mar other sensitive surfaces like crawler tracks.

Versatility starts with the EW210C'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 EW210C 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 EW210C 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 EW210C with ditching or trenching buckets, rippers, compactors, augers, mowers, pulverizers — and more.

All of this performance is made more effective by the EW210C's smooth travel at speeds up to 18.6 mph (30 km/h). So whether the work is across the job site or across town, the EW210C takes the power where you need it most.





• Power, stability and reach for serious trenching. • Robust hydraulics for pick-and-place operations. #### VOLVO **EWZIOC**



• 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 EW210C and you'll know it. It shows in power out of the trench. It shows in the fine control placing pipes or pallets of material. It shows in high torque at low RPMs. It shows in world-class fuel economy. Most importantly, it shows in productivity — and profit.



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

Superior power — with purpose

As the world's leading manufacturer of mid-size diesel engines, Volvo knows power. When it comes to the displacement, torque and hydraulic flow to drive the EW210C, Volvo delivers real multi-function performance.

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

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

The 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 EW210C has more components and parts found in other Volvo equipment. That means better parts availability, lower operating costs and better uptime.

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

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

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





- Custom performance with easy mode control.
- Hydraulics optimize flow based on job demands.
- 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.

Telemataics, machine management

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

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

MORE SAFETY —

- Safety is a core value at Volvo and it shows in our machines.
- New design Volvo Care Cab with operator protective structure.
- Optional rear camera provides the operator with more confidence.
- · Superstructure above the engine is flat for excellent rear visibility.
- · Punched-plate anti-slip steps and walkways for
- · 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-emissions engine is easy on the environment.
- · Lead-free exterior paint.
- · Volvo excavators are 95% recyclable.

MORE SOLUTIONS

- Auxiliary hydraulics power a range of attachments:
- Grapples - Slope buckets - Brush cutters - Compactors
 - Augers
- Pile drivers
- Hammers
- Pulverizers - 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.





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

Two-piece boom

Volvo's two-piece boom delivers outstanding versatility for tool-carrier work and gives the machine unmatched dexterity.

Anti-theft system

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

Cab protection with FOG, FOPS

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

Hydraulic quick fit

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

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-pumpflow configurations to suit job needs.

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.

Ergonomic operator seats

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

Wrist-control joysticks

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

Engine coolant heater

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

Work lights, rotating beacon

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

Rear-view camera

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

Twin or single tires

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





Electronic climate control



Anti-theft system



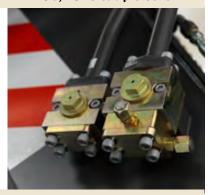
FOG, FOPS cab protection



Volvo quick fit



Tilting/rotating attachments solution



Hydraulic kits



Suspension seats



Proportional-control joysticks



Diesel coolant heater with timer



Extra halogen lamps, beacon



Rear-view camera



Twin tyres or single tyres

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 EEE3			
Power out at 31.6 r/s		1,900 rpm		
Gross (SAE J1995)	127 kW	170 hp		
Net (ISO 9249, DIN 6271) 120 kW	161 hp		
Max. torque @ 1,400 rpn	n 730 Nm	538 lb ft		
No. of cylinders	6			
Displacement	5.7 I	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

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

Audio system with remote control. 3 cup holders, 3 outlets, independently adjustable joystick consoles.

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

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

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

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

Sound level:

In cab, acc. to ISO 6396	70 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° (with mudguards \pm 7°).

Twin wheels	10.00-20
Max. tractive force (net)	115.4 kN 25,940 lb
Travel speed:	
On road	20.0/25.0/30.0 km/h
	12.4, 15.5, 18.6 mph
Off road	5.0/6.4/7.4 km/h
	3.1, 4.0, 4.6 mph
Creep	3.2 km/h 2.0 mph
Min. turning radius	8.15 m 26.7 ft

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 ($\mathbf{8'}$ $\mathbf{0''}$) dipper arm, quick fit S1, 630 kg ($\mathbf{1,390}$ lb) / 830 l ($\mathbf{1.09}$ \mathbf{yd} ³) bucket.

Dozer blade front and outriggers rear

46,650* lb	48,190** lb	46,870*** lb
Dozer blade real	r excl. outrigg	ers
19,900* kg	20,600** kg	20,000*** kg
43,870* lb	45,420** lb	44,090*** lb

21,160* kg 21,860** kg 21,260*** kg

Front and rear outriggers

47,400* lb	48,940** lb	47,620*** lb
21,500* kg	22,200** kg	21,600*** kg

*Machine with 5.6 m (**18' 4"**) monoblock boom; CWT 4,500 kg (**10,005 lb**) (axle load <12 t (**26,460 lb**))

**Machine with 5.5 m (18' 0") 2-piece boom; CWT 4,500 kg (10,005 lb) (axle load >12 t (26,460 lb))

****Machine with 5.5 m (18' 0") 2-piece boom; CWT 3,900 kg (8,680 lb) (axle load <12 t (26,460 lb))

Service refill capacities

Fuel tank	335 I	88.5 gal
Hydraulic system, total	330 I	87.2 gal
Hydraulic tank	165 I	43.6 gal
Engine oil	25 I	6.6 gal
Engine coolant	27 I	7.1 gal
Transmission	2.5	0.7 gal
Axle differential:		
Front axle	9.5	2.5 gal
Rear axle	14.5 I	3.8 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:

Main pump (type lo	ow noise axial piston pump)
Max. flow	399 I/min 105 gpm
Brake + steering	oump
(type low noise	gear pump)
Max. flow	36.1 I/min 9.5 gpm
Servo pump (type	low noise gear pump)
Max. flow	14.0 l/min 3.7 gpm
Hydraulic oil cool	ing fan + pilot pump

lydraulic oil cooling fan + pilot pump (type gear pump)

Max. flow	46.0 I/min 12.2 gpm
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

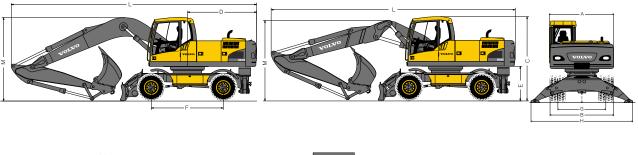
Swing system

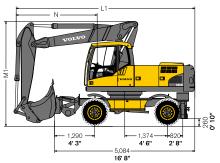
The superstructure swings by the means of an axial piston motor with a planetary reduction gear without oil service.

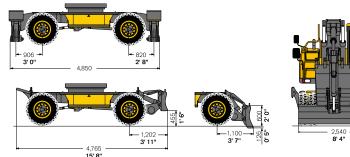
Automatic swing holding brake and antirebound valve are standard.

Max. swing speed	9.0 rpm
Max. swing torque	76.6 kNm 56,500 lb ft

Dimensions





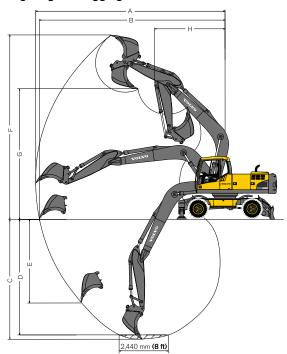


Describition	Unit	5.6 m/ 18' 4"	5.5 m/ 18' 0''		
Description	Onit	Monoblock boom	2-piece boom		
A. Overall width of superstructure	mm, ft-in	2,490, 8' 2''	2,490, 8' 2''		
B. Overall width	mm, ft-in	2,510, 8' 3''	2,510, 8' 3"		
C. Overall height of cab	mm, ft-in	3,170, 10' 5''	3,170, 10' 5''		
D. Tail swing radius	mm, ft-in	2,650, 8' 8''	2,650, 8' 8''		
E. Counterweight clearance	mm, ft-in	1,290, 4' 3''	1,290, 4' 3''		
F. Wheel base	mm, ft-in	2,750, 9' 0''	2,750, 9' 0''		
G. Tread	mm, ft-in	1,912, 6' 3''	1,912, 6' 3''		
H. Outrigger width (front or rear)	mm, ft-in	3,995, 13' 1"	3,995, 13' 1"		
I. Min. ground clearance	mm, ft-in	380, 1' 3''	380, 1' 3"		

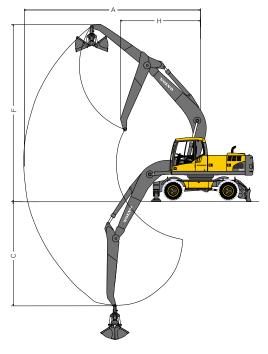
Description Unit	5.6 m/ 18' 4'' Monoblock boom			5.5 m/ 18' 0" 2-piece boom					
	2.45 m/ 8' 0"	2.6 m/ 8' 6"	2.9 m/ 9'6"	3.2 m/ 10'6"	2.45 m/ 8' 0"	2.6 m/ 8' 6"	2.9 m/ 9'6"	3.2 m/ 10'6"	
L. Overall length	mm, ft-in	9,355, 30' 8"	9,375, 30' 9"	9,370, 30' 9"	9,350*, 30' 8" *	9,280, 30' 5"	9,285, 30' 6"	9,360, 30' 9"	9,135*, 30' 0" *
M. Overall height of boom	mm, ft-in	3,075, 10' 1"	3,180, 10' 5"	3,450, 11' 4"	3,650* , 2'0" *	3,035, 9' 11"	3,065, 10' 1"	3,045, 10' 0"	3,480*, 11' 5" *
L1. Overall length	mm, ft-in					6,835, 22' 5"	6,720, 22' 1"	6,735, 22' 1"	6,900*, 22' 8" *
M1.Overall height of boom	mm, ft-in					4,000, 13' 1"	4,000, 13' 1"	4,000, 13' 1"	4,000*, 13' 1" *
N. Front overhang	mm, ft-in					3,130, 10' 3"	3,015, 9' 11"	3,030, 9' 11"	3,160*, 10' 4" *

^{*} grab arm, without clam shell bucket

Working ranges & digging forces



Monoblock boom 5.6 m/18' 4" and dipper arm 2.45 m/8' 0", 2.6 m/8' 6", 2.90 m/9' 6"



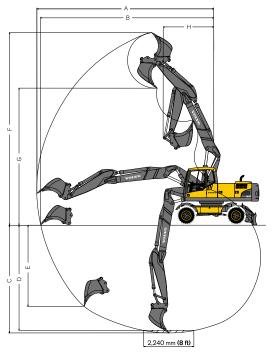
Monoblock boom 5.6 m/18' 4'' and grab arm 3.2 m/10' 6"

	,					
				5.6 m, 18' 4'' M	onoblock boom	
Description		Unit	2.45 m, 8' 0'' arm	2.6 m, 8' 6'' arm	2.90 m, 9' 6" arm	3.2 m, 10' 6'' Grab arm
A. Max. digging reach		mm , ft-in	9,640, 31' 1''	9,770, 32' 1''	10,050, 33' 0''	8,860, 29' 1"
B. Max. digging reach on ground		mm , ft-in	9,450, 31' 0''	9,590, 31' 6''	9,870, 32' 5''	
C. Max. digging depth		mm , ft-in	6,180, 20' 3''	6,330, 20' 9''	6,630, 21' 9''	5,350, 17' 7''
D. Max. digging depth (2,440 mm / 8 ft leve	1)	mm , ft-in	5,970, 19' 7''	6,130, 20' 1''	6,440, 21' 2''	
E. Max. vertical wall digging depth		mm , ft-in	4,390, 14' 5''	4,530, 14' 10''	4,810, 15' 9''	
F. Max. cutting height		mm , ft-in	9,370, 30' 9''	9,440, 31' 0''	9,590, 31' 6''	8,630, 28' 4''
G. Max. dumping height		mm , ft-in	6,570, 21' 7''	6,640, 21' 9''	6,780, 22' 3''	
H. Min. front swing radius		mm , ft-in	3,590, 11' 9''	3,580, 11' 9''	3,560, 11' 8"	4,090, 13' 5''
Digging forces with direct fit bucket						
Bucket radius		mm, ft-in	1,399, 55"	1,399, 55''	1,399, 55"	
Breakout force - bucket	(SAE/ISO)	kN lb	124.2/142.7 27,920/32,080	124.2/142.7 27,920/32,080	124.2/142.7 27,920/32,080	
Tearout force	(SAE/ISO)	kN Ib	113.9/117.7 25,610/26,460	109.6/113.1 24,640/25,430	101.8/104.8 22,890/23,560	
Rotation angle, bucket		deg	180°	180°	180°	
Max. recommended sizes for direct fit b	uckets					
GP-Bucket (1.5 t/m³) (2,528 lb/yd³)		I, yd³	1,125, 1.47	1,100, 1.44	1,050, 1.37	
GP-Bucket (1.8 t/m³) (3,034 lb/yd³)		l, yd³	1,000, 1.31	975, 1.28	925, 1.21	
Max. recommended sizes for quick fit be	uckets					
SQF GP-Bucket (1.5 t/m³) (2,528 lb/yd³)		I, yd³	1,025, 1.34	1,000, 1.31	950, 1.24	
SQF GP-Bucket (1.8 t/m³) (3,034 lb/yd³)		l, yd³	900, 1.18	875, 1.14	825, 1.08	
UQF GP-Bucket (1.5 t/m³) (2,528 lb/yd³)		l, yd³	1,000, 1.31	975, 1.28	925, 1.21	
UQF GP-Bucket (1.8 t/m³) (3,034 lb/yd³)		l, yd³	900, 1.18	875, 1.14	825, 1.08	

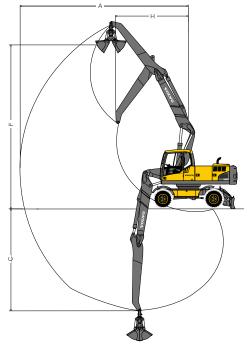
^{1.} Bucket size based on SAE-J296, heaped material with a 1:1 angle of repose.

2. "Max recommended sizes" are for reference only and are not necessarily available from the factory.

Working ranges & digging forces



2-piece boom 5.5 m/18' 0" and dipper arm 2.45 m/8' 0", 2.6 m/8' 6", 2.90 m/9' 6"



2-piece boom 5.5 m/18' 0" and grab arm 3.2 m/10' 6"

and dipper arm 2.45 m/	0 0 , 2.0 1117 0 0	, 2.50 1117 3	•	and gi	ab ann 3.2 m/ 10 6		
					5.5 m/ 18' 0''	2-piece boom	
Description			Unit	2.45 m, 8' 0'' arm	2.6 m, 8' 6" arm	2.90 m, 9' 6'' arm	3.2 m, 10' 6'' Grab arm
A. Max. digging reach			mm, ft-in	9,640, 31' 1"	9,780, 32' 1''	10,060, 33' 0''	8,850, 29' 0"
B. Max. digging reach on gr	round		mm, ft-in	9,450, 31' 0''	9,590, 31' 6''	9,880, 32' 5''	
C. Max. digging depth	C. Max. digging depth			6,050, 19' 10''	6,200, 20' 4''	6,500, 21' 4''	5,240, 17' 2''
D. Max. digging depth (2,44	10 mm / 8 ft level)	mm, ft-in	5,920, 19' 5''	6,100, 20' 0''	6,405, 21' 0''	
E. Max. vertical wall digging	mm, ft-in	4,580, 15' 0''	4,720, 15' 6''	5,000, 16' 5''			
F. Max. cutting height		mm, ft-in	10,670, 35' 0''	10,790, 35' 5''	11,020, 36' 2''	9,870, 32' 5'	
G. Max. dumping height			mm, ft-in	7,530, 24' 8''	7,640, 25' 1''	7,870, 25' 10''	
H. Min. front swing radius			mm, ft-in	2,630, 8' 8''	2,675, 8' 9''	2,770, 9' 1''	3,590, 11' 9'
Digging forces with direct							
Bucket radius	Bucket radius				1,399, 55"	1,399, 55''	
Breakout force - bucket		(SAE/ISO)	kN Ib	124.2/142.7 27,920/32,080	124.2/142.7 27,920/32,080	124.2/142.7 27,920/32,080	
Tearout force		(SAE/ISO)	kN Ib	113.9/117.7 25,610/26,460	109.6/113.1 24,640/25,430	101.8/104.8 22,890/23,560	
Rotation angle, bucket			deg	180°	180°	180°	
Max. recommended size	s for direct fit b	uckets					
GP-Bucket (1.5 t/m³) (2,528 lb/yd³) GP-Bucket (1.8 t/m³) (3,034 lb/yd³)	CWT 3,900 kg A CWT 8,680 lb A CWT 3,900 kg A CWT 8,680 lb A	/ 10,005 lb / 4,500 kg	 yd³ yd³	1,000 / 1,100 1.31 / 1.44 875 / 975 1.14 / 1.28	950 /1,075 1.24 / 1.41 850 / 950 1.11 / 1.24	900 /1,025 1.18 / 1.34 800 / 900 1.05 / 1.18	
Max. recommended size	s for quick fit bu	ıckets					
SQF GP-Bucket (1.5 t/m³) (2,528 lb/yd³) SQF GP-Bucket (1.8 t/m³) (3,034 lb/yd³)	CWT 3,900 kg A CWT 8,680 lb A CWT 3,900 kg A CWT 8,680 lb A	/ 10,005 lb / 4,500 kg / 10,005 lb	 yd ³ yd ³	900 / 1,000 1.18 / 1.31 775 / 900 1.01 / 1.18	875 / 975 1.14 / 1.41 750 / 875 1.11 / 1.24	825 / 925 1.08 / 1.21 725 / 825 0.95 / 1.08	
UQF GP-Bucket (1.5 t/m³) (2,528 lb/yd³) UQF GP-Bucket (1.8 t/m³)	CWT 3,900 kg / CWT 8,680 lb / CWT 3,900 kg /	/ 10,005 lb	yd³ 	875 / 1,000 1.14 / 1.31 775 / 875	850 / 975 1.24 / 1.41 750 / 850	800 / 900 1.05 / 1.18 700 / 800	
(3,034 lb/yd³)	CWT 8,680 lb		yd³	1.01 / 1.14	0.98 / 1.24	0.92 / 1.05	

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.

At the arm end, without bucket and quick fit. Unit: 1,000 kg / 1 lb
For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.
Counterweight 4,500 kg / 10,005 lb.

	Arm end		Reach from m	achine cen	ıpport up,	d = suppo	rt down)					
Across	(bucket pivot)	1.5 m / 5'	3.0 m / 10'	4.5 m	/ 15'	6.0 m	/ 20'	7.5 m	/ 25'	Ма	ıx. reach	
Along undercarriage	related to ground level			u d	u d	u d	u d	u d	u d	u d	u d	Max. m ft
5.6 m / 18' 4" monoblock boom 2.45 m / 8' 0" arm Front dozer blade Rear outriggers	9.0 m 30' 7.5 m 25' 6.0 m 20' 4.5 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -10' -4.5 m -10'		78 119' 119' 119 16840 27,070' 27,070' 27,070' 29,710' 80 13.7' 13.7' 13.7 17,200 29,710' 29,710' 29,710'	55 77' 11,910 16,520' 49 89 10,780 19,270 73 8.4 9,830 18,140 43 81 9,390 17,520 44 82	77 77 16,520 16,520 78 97 16,760 20,910 45 113 15,700 24,460 71 114 15,200 25,590 71 10 15,200 21,640 69 69 69	37 59" 11,840 12,960" 36 60 7,730 13,010 34 58 7,250 12,470 31 55 6,780 11,940 30 54 6,470 11,590 29 53 6,360 11,470 30 54	55 59' 8,020 12,960' 54 64' 11,530 14,000 51 73' 11,000 15,830' 49 81' 10,490 17,600' 47 86' 10,150 18,540' 47 84'	25 42 24 41 5,170 8,860 23 40 4,960 8,660 22 39 4,800 8,490	37 57' 37 62' 7,870 13,550' 35 66' 7,640 14,270' 35 67' 7,470 14,540'	11,270 11,270 12,270 12,270 13,270 14	5.1" 5.1" 9,410 11,270' 44 4.7' 9,780 10,330' 3.6 46' 8,090 10,170' 3.3 4.8' 7,290 10,530' 3.2 5.2' 7,000 11,390' 3.2 5.9' 7,160 13,000' 3.6 65' 7,870 14,430' 4.4 6.7'	5.6 18' 6.9 22' 7.6 25' 8.1 27' 7.3 24' 7.4 21' 4.8
5.6 m / 18' 4" monoblock boom 2.6 m / 8' 6" arm Front dozer blade Rear outriggers	9.0 m 30' 7.5 m 20' 6.0 m 15' 3.0 m 10' 1.5 m 0' -1.5 m -5' -3.0 m -10' -4.5 m		78 11.6' 11.6' 11.6 16,770 26,380' 26,380' 26,380 80 142' 141 142 17,120 30,660' 30,120 30,660	12,000 16,030° 50 90 10,880 19,390 46 85 9,890 18,220 44 82 9,410 17,640 44 82 9,450 17,690 46 74'	7.4' 7.4' 16,030' 16,030' 78' 916,890 20,450' 73 11.2' 15,780 24,180' 71 11.8' 15,220 25,560' 71 115,100 24,840' 71 10.2'	8,670 12,600° 36 61 7,770 13,060° 34 58 7,290 12,520 32 56 6,800 11,970 29 53 6,340 11,650 6,340 11,450 6,450 11,570	54 6.3 11,570 13,700 51 72 11,040 15,580 49 80 10,520 17,430 47 8.5 10,150 18,480 46 8.4 10,010 18,280 47 7.5	25 42 5,370 9,110 24 41 5,190 8,910 23 40 4,960 8,660 22 39 4,790 8,480	3.7 6.1*	8,920 10,470° 28 44° 6,350 9,640° 7,210 8,870° 20 35 4,420 7,740 4,470 7,910 21 48 5,950 10,580° 22 48 5,950 10,580°	4.7° 4.7° 10,470° 10,470° 4.2° 4.4° 9,450° 9,640° 3.5° 4.3° 7,860° 9,500° 3.2° 4.5° 6,970° 12,050° 3.5° 6.4° 7,630° 14,160° 4.2° 6.6°	5.8 19' 70 23' 78 25' 81 27' 8 80 26' 75 5 26' 6 6 6 7 21' 5 50
5.6 m / 18' 4" monoblock boom 2.9 m / 9' 6" arm Front dozer blade Rear outriggers	-3.0 m -10' -4.5 m -15'		0* 16,630 25,180* 25,180* 25,180	9,450 17,690 4.3 8.1 9,260 17,480 4.3 8.2 9,360 17,590 4.5 8.2	7.1 11.7* 15,270 25,420* 7.0 11.6* 15,070 25,130* 7.1 10.6 15,180 22,820* 7.3 8.2*	37 60° 7,870 13,100° 34 59 7,370 12,620 32 56 6,860 12,040 3.0 54 6,490 11,620 29 53 6,320 11,430 29 53	54' 54' 11,900' 11,900' 54 6.0' 11,680 13,100' 52 70' 11,140 15,070' 49 79' 10,580 17,060' 47 85' 10,180 18,320' 46 8.5'	25 43 5,450 9,200 24 42 5,240 8,970 23 40 4,990 8,690 22 39 4,720 8,400 24 39 4,720 8,400	38 56° 8,170 12,20° 37 60° 7,940 12,980° 36 64° 7,680 13,900° 35 67° 7,460 14,400° 34 65° 7,390 14,070°	36 41" 8,100 9,170" 27 38" 5,950 8,500" 22 38 4,940 8,390" 20 35 4,420 7,560 4,420 7,560 21 37 4,600 8,180 2,500 9,780 3,7930 13,910"	38° 38' 8,500' 8,500' 8,500' 8,500' 8,390' 31 39' 6,780 8,640' 30 4.2' 6,520 9,290' 6,630 10,450' 33 5.7' 7,200 12,630' 12,630' 12,630' 12,630' 12,630' 12,630' 12,630' 12,630' 12,630' 12,630' 12,630' 12,630' 12,630' 14,650' 14,660'	7 20' 7 74 7 24' 8 84 7 28' 8 85 7 28' 8 83 7 27' 7 69 7 23'
5.6 m / 18' 4" monoblock boom 3.2 m / 10' 6" arm for grab Front dozer blade Rear outriggers	9.0 m 30° 7.5 m 25° 6.0 m 20° 4.5 m 15° 3.0 m 0° 1.5 m 0° 1.5 m 1.	106° 106° 106° 10 23,790° 23,790° 23,79	79 9.7' 9.7' 9.7' 16.960 21.940' 21.940' 21.940' 65' 80 156' 141 15.6' 17.240' 34.500' 83 12.6'	49 8.8 10,650 19,040 46 8.5 9,970 18,230 4.5 8.3 9,710 17,930 4.5 8.4 9,760 17,980 4.7 8.5	73 11.9° 15,810 25,720° 72 11.9° 15,520 25,870° 72 11.1° 15,570 24,010° 74 9.1°	41 5.4' 8,780 11,750' 3.9 6.0' 8,450 13,020' 3.7 6.1 3,200' 3.4 5.8 7,400 12,590 3.2 5.6 6,990 12,130 3.1 5.5 6,780 11,830 3.3 5.5	5.0 8.6* 10,680 18,660 * 4.8 8.8*	28 46 6,070 9,840 28 45 5,990 9,760 27 44 5,760 9,500 25 43 5,490 9,200 24 42 5,260 8,960 24 41 5,150 8,840	4.1 5.6 8,720 12,240 * 3.9 6.0 8,470 13,140 * 3.8 6.5 8,180 14,170 * 3.7 6.9 7,940 14,890 * 3.6 6.9 6.9 *	26 43 5,850 9,520 23 37 5,020 8,250 21 35 4,580 7,610 20 34 4,390 7,380 21 37 4,730 8,060 25 42 5,460 9,350 32 56	10,890 12,360° 38 52° 8,510 11,490° 33 51° 7,370 11,250° 30 55° 6,570 12,010° 32 61° 7,150 13,370° 37 62° 8,280 13,660°	7 22' 7 78 7 255 8 88 7 29' 8 87 7 29' 8 27 7 74 7 24' 6 61

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.

At the arm end, without bucket and quick fit. Unit: 1,000 kg / $\bf 1$ lb For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. Counterweight 4,500 kg / $\bf 10,005$ lb

	A				Reach fro	m machir	e center (u = suppo	rt up, d = s	support d	own)			
Across	Arm end (bucket pivot)	1.5 m	/ 5'	3.0 m	/ 10'	4.5 m	/ 15'	6.0 m	/ 20'	7.5 m	/ 25'	Ма	ıx. reach	
undercarriage Along undercarriage	related to ground level	u d	<u></u>	u d	u d	u d	u d	u d	<u> </u>	u d	u d	u d	u d	Max. m
5.6 m / 18' 4" monoblock boom 2.45 m / 8' 0" arm Front and rear outriggers	9.0 m 30' 7.5 m 20' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 5' 0.0 m 10' -1.5 m -5' -3.0 m -10' -4.5 m -10'			79 11.9° 17.010 27.070° 81 13.7°	119' 119' 27,070' 27,070' 137' 137' 29,710' 29,710'	12,010 16,520° 50 97° 10,880 20,910° 46 109 6,850 23,420 44 10,6 9,490 22,840 44 10,0 44 10,0 9,590 21,640°	77* 77* 16,520* 16,520* 79 9,7* 17,150 20,910* 75 11.3* 10,740 24,460* 72 11.8*	38 5.9° 8,090 12,960° 36 64' 7,800 14,000° 34 72,320 15,530 32 7,0 6,850 14,970 30 68 6,540 14,4590 30 67 6,430 14,4690 30 68	56 59° 12,090 12,960° 55 6.4° 11,780 14,000° 52 73° 11,260 15,830° 50 81° 10,740 17,600° 48 86°	25 52 24 51 5,230 10,990 23 5,000 10,740 23 44,850 10,560	2 38 57* 37 62° 8,060 13,550 0 3.6 66° 0 7,830 14,270 ° 0 3.6 67*	9,490 11,270° 30 47° 6,640 10,330° 24 4660 10,170° 22 46,4820 10,170° 21 45,880 9,880° 21 4,650 10,100° 23 1510 24 6,500 11,500° 28 62,70 13,840° 43 63	51' 51' 11,270' 11,270' 45 47' 10,000 10,330' 37 46' 8,280 10,170' 34 48' 7,470 10,530' 33 52' 7,180 11,390' 37 65' 8,070 14,430' 45 67' 9,920 14,680'	5,6 18' 6,9 22' 7,6 25' 8,0 26' 8,1 27' 7,9 26' 7,3 24' 6,4 21' 4,8
5.6 m / 18' 4" monoblock boom 2.6 m / 8' 6" arm Front and 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 0' -1.5 m -5' -3.0 m -10' -4.5 m			79 11.6 16,940 26,380° 80 14.2° 17,300 30,660°	116° 116' 2 6,380' 26,380' 142' 142' 30,660' 30,660'	51 9.5' 10,980 20,450' 46 10.9 9,990 23,510 44 10.7 9,510 22,870 44 10.6 9,400 22,720 44 10.2'	7.3 10.2* 15,640 22,070* 7.4* 7.4*	36 6.3' 7,840 13,700' 34 7.2' 7,360 15,580 32 7.0 6,880 15,000 3.0 65,40 14,600 3.0 67 6,410 14,440 3.0 6.8	5.0 8.0° 10,770 17,430° 48 8.5° 10,410 18,480° 4.8 8.4°	25 5.430 11,220 12,220 15,220 10,750 22 48,850 10,550	9 8,280 11,660° 3.8 6.1° 9 8,080 13,360° 0 3.6 6.5° 0 7,840 14,150° 0 3.6 6.7°	29 4.4 6,410 9,640 24 4.3 5,270 9,500 21 4.5 4,700 9,500 21 4.5 4,530 9,830 22 4.9 4,940 10,810 2.7 6,010 13,250 4.0 6.3	10,470" 10,470" 4.3 4.4" 9,640" 9,640" 9,640" 3.6 4.3" 8,050 9,500" 3.2 4.8" 7,280 9,810" 3.2 5.5" 7,150 12,050" 3.5 6.4" 7,830 14,160" 4.3 6.6" 9,520 14,480"	19' 7,0 23' 7,8 25' 8,1 27' 8,2 27' 8,0 26' 7,5 6,6 21' 5,0
5.6 m / 18' 4" monoblock boom 2.9 m / 9' 6" arm Front and rear outriggers	9.0 m 9.0 m 25' 6.0 m 20' 4.5 m 10' 1.5 m 0.0 m 0' -1.5 m -10' -3.0 m -15 -5' -3.0 m -10 -15 -10'		121* 121*	8.0 15.0° 17,120 32,410° 8.3 11.4°	11.1° 11.1° 25,180° 25,180° 14.3 15.0° 30,610 32,410° 11.4° 11.4°	47 10.9* 10,130 23,550* 44 10.7 9,550 22,930 43 10.6 9,370 22,690 44 10.6*	72 10.6* 15,550 22,820 * 7.4 8.2*	37 6.0° 7,940 13,100° 34 7.0° 7,440 15,070° 32 7.0 6,930 15,070 3.0 6.8 6,560 14,630 3.0 6.7 6,390 14,420 3.0 6.7	54' 54' 11,900' 11,900' 55 60' 11,940 13,100' 53 70' 11,390 15,070' 50 79' 10,840 17,060' 48 85' 10,430 18,320' 48 85'	26 535 5,510 11,310 25 510 5,290 11,070 23 55 5,040 10,780 22 48 4,840 10,545 4,770 10,470	38 60° 38 60° 8,140 12,980° 37 6,4° 7,870 13,900° 36 6,7° 7,650 14,460° 35 6,5°	25 5.5 5,560 12,230 3.5 6.3	9,170' 9,170' 38' 38' 8,500' 8,500' 34' 38' 7,640 8,390' 31 39' 6,950 8,640' 2 30 42' 6,680 9,290' 31 4,7' 7,390 12,630' 12,630' 12,630' 14,060'	20' 7,4 24' 8,1 26' 8,4 28' 8,5 28' 8,3 27' 7,8 25' 6,9 23' 5,5
5.6 m / 18' 4" monoblock boom 3.2 m / 10' 6" arm for grab Front and 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 0' -1.5 m -10' -4.5 m -10' -4.5 m	10.6* 10.6*	106° 106° 23,790° 23,790°	8.1 15.7* 17,420 34,500 * 8.4 12.6*	12.6* 12.6*	5.0 10.8* 10,750 23,400* 4.7 10.9 10,070 23,480 4.5 10.8 9,820 23,150 4.6 10.8	84 89' 18,220 19,070' 79 108' 16,950 23,400' 75 119' 15,890 25,720' 74 111' 15,940 24,010' 76 91' 16,330 19,330'	4.1 5.4' 8,850 11,750° 4.0 6.0' 8,520 13,020° 3.7 6.9' 8,010 15,070° 3.5 7.3 7,470 15,630 3.3 7.0	53 79 11,380 17,200* 5.1 8.6* 10,940 18,660* 5.0 8.8* 10,700 19,010* 5.0 8.2*	29 544 6120 11,950 28 51 6050 11,870 27 56 5,820 11,600 25 51 5,320 11,030 25 10,030 24 51 5,210 10,910	8,990 12,040° 5 4.1 5.6° 8,910 12,240° 4 4.0 6.0° 0 8,660 13,140° 2 3.9 6.5° 0 8,370 14,170° 3.8 6.9° 0 8,130 14,890°	27 52 6,440 11,490' 23 45 5,070 10,040' 21 422 4,620 9,290' 20 41 4,440 9,030' 20 42 4,480 9,910' 22 4,5 4,780 9,910' 25 525 5,520 11,550'	11,120 12,360 13,40 51 1,400 11,400 13,40 15,10 14,100 13,10 15,10	22' 78 25' 8,5 28' 8,8 29' 8,9 29' 8,7 29' 8,2 27' 7,4 24' 6,1

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.

At the arm end, without bucket and quick fit. Unit: 1,000 kg / 1 lb. For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. Counterweight 3,900 kg (8,680 lb), axle load <12 t (26,460 lb)

	Arm end				Reach fro	m machir	ne center (u = suppo	rt up, d = s	support do	own)			
Across	(bucket pivot)	1.5 m	/ 5'	3.0 m .	/ 10'	4.5 m	/ 15'	6.0 m	/ 20'	7.5 m	/ 25'	Ма	x. reach	
undercarriage Along undercarriage	related to ground level	u d	<u></u>	u d	<u></u>	u d	<u></u>	u d	u d	u d	<u></u>	u d	u d	Max. m ft
ф	9.0 m 30' 7.5 m 25' 6.0 m 20'					5.5° 5.5° 12,110 12,250° 5.6 5.7°	5.5° 5.5° 12,250° 12,250°	3.5 5.6*	52 56° 11,200 12,260°			7.0° 7.0° 3.8 5.2°	7.0° 7.0° 5.2° 5.2° 11,600° 11,600° 4.1 4.7° 9,140 10,370°	3.3 5.6 18 ' 6.9
5.5 m / 18' 0" 2-piece boom 2.45 m / 8' 0" arm Front dozer	4.5 m 15' 3.0 m 10' 1.5 m 5'			9.6 9.7* 20,590* 20,590* 2	9.7* 9.7* 20,590* 20,590*	52 7.11 11,180 15,280 4.6 8.5 9,980 18,320 4.1 7.9 8,930 17,060	7.1° 7.1° 15,280° 15,280° 7.4 9.1° 15,870 19,620° 68 10.9° 14,680 23,480°	3.3 5.7 7,150 12,350 3.1 5.5 6,640 11,780 2.8 5.2 6,130 11,200	5.1 6.1* 10,890 13,200* 4.8 6.9* 10,340 15,040* 4.5 7.8* 9,780 16,940*	23 4.0 22 3.9 4,650 8,320 21 3.7 4,420 8,070 20 3.7	3.5 5.7° 3.4 6.0° 7,310 13,100° 3.3 6.4° 7,070 13,910°	22 3.8 4,830 8,530 1.9 3.5 4,250 7,670 1.8 3.3 4,020 7,370	3.4 4.5° 7,510 10,030° 3.0 4.6° 6,730 10,160° 29 4.9° 6,450 10,810°	7.6 25' 8.0 26' 8.1 27'
blade Rear outriggers	0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m			7.0 11.5° 15,040 26,150 °	11.5° 11.5° 26,150° 26,150°	8,410 16,440 3.8 7.6 8,290 16,300 3.9 7.7	14,090 25,180* 6.5 11.5* 13,950 24,850*	27 5.0 5,780 10,810 26 4.9 5,640 10,660 27 5.0 5,800 10,830	4.3 8.4 9,250 18,200* 4.4 7.5*	20 3.7 4,250 7,880	3.2 6.6° 6,880 14,370°	1.8 3.4 4,070 7,540 20 3.8 4,470 8,310 25 4.6 5,540 10,290	6,590 12,030* 33 6.5* 7,250 14,420* 40 6.8*	26' 73 24' 6.4
Ů	9.0 m 30' 7.5 m 25' 6.0 m					5.5* 5.5*	11,680* 11,680* 5.5* 5.5*	3.5 5.4*	52 54*			36 4.8° 8,220 10,770° 26 4.4°	63° 63° 14,690° 14,690° 48° 48° 10,770° 10,770° 339 4.4°	11' 5.9 19' 7.1
5.5 m / 18' 0" 2-piece boom 2.6 m / 8' 6" arm Front dozer	20' 4.5 m 15' 3.0 m 10' 1.5 m 5'			9.2° 9.2° 19,410° 19,410°	9.2* 9.2*	52 6.9" 11,280 14,790" 4.7 8.6 10,090 18,440 4.2 8.0 9,000 17,150	14,790* 14,790* 7.4 8.9* 15,990 19,150* 6.8 10.7* 14,760 23,150*	3.1 5.5 6,680 11,830 29 5.2 6,160 11,240	4.5 7.7* 9,810 16,750 *	23 4.0 4,850 8,540 22 3.9 4,670 8,350 21 3.7 4,430 8,080	3.4 5.9° 7,340 12,880 ° 3.3 6.3° 7,080 13,760 °	5,770 9,680° 21 3.7 4,680 8,280 19 3.4 4,130 7,470 1.8 3.3 3,910 7,180	3.0 4.3° 6,560 9,490° 29 4.6° 6,290 10,060°	7.8 25' 8.1 27' 8.2 27'
blade Rear outriggers	0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m			7.0 11.2* 14,980 25,490 * :	11.2* 11.2* 25,490* 25,490*	3.8 7.6	14,120 25,080* 6.5 11.5* 13,940 24,960* 6.6 10.5*	27 5.0 5,780 10,820 26 4.9 5,630 10,640 27 5.0 5,740 10,770	4.3 8.4* 9,230 18,250 * 4.3 7.7*	20 3.7 4,240 7,870	3.2 6.6° 6,880 14,320°	1.8 3.3 3,950 7,330 20 3.6 4,320 8,050 24 4.4 5,300 9,850	29 5.1° 6,410 11,150° 32 6.0° 7,020 13,290° 39 6.7° 8,580 14,690°	26' 7.5 25' 6.6
Ď	9.0 m 30' 7.5 m 25' 6.0 m					5.1* 5.1*	10,600* 10,600* 5.1* 5.1*	3.5 5.2° 7,520 9,940° 3.4 5.1°	5.1* 5.1*			33 4.2° 7,420 9,390° 24 3.9°	3.7 3.9*	13' 6.3 20' 7.4
5.5 m / 18' 0" 2-piece boom 2.9 m / 9' 6" arm	20' 4.5 m 15' 3.0 m 10'			8.1° 8.1° 17,140° 17,140°	81* 81* 17,140 * 17,140 *	5.3 6.4	13,800* 13,800* 7.5 8.5* 16,240 18,190*	7,630 11,160° 3.4 5.6° 7,310 12,280° 3.1 5.5 6,780 11,940 29 5.3	11,160* 11,160* 5.1 5.6* 11,070 12,280* 4.9 6.6* 10,490 14,240* 4.6 7.5*	23 4.0 4,950 8,660 22 3.9 4,740 8,420 21 3.8	3.6 5.3* 7,640 11,690* 3.4 5.7* 7,400 12,470* 3.3 6.2*	5,380 8,520° 20 3.5 4,420 7,830 18 3.2 3,920 7,110	8,230 8,520* 3.1 3.8* 6,900 8,270* 2.8 3.8* 6,240 8,380* 2.7 4.0*	8.1 26' 8.4 28'
Front dozer blade Rear outriggers	5' 0.0 m 0' -1.5 m -5' -3.0 m			69 10.7* 14,850 24,330* 2 7.1 15.7* 15,180 33,750	12.9 15.7*	9,150 17,340 39 7.7 8,480 16,540 3.8 7.6 8,260 16,270 3.9 7.6	14,940 22,450* 6.6 11.5* 14,180 24,810* 6.5 11.6* 13,920 25,120*	6,220 11,320 27 5.0 5,810 10,850 26 4.9 5,610 10,620 26 5.0	9,880 16,330* 44 82* 9,430 17,850* 43 84* 9,210 18,290*	4,460 8,120 20 3,7 4,250 7,880 19 3,6 4,170 7,790	7,120 13,460 * 3.2 6.5*	3,710 6,840 1.7 3.2 3,740 6,960 1.8 3.4 4,060 7,570 2.2 4.1 4,880 9,070	5,990 8,820° 28 4.4° 6,080 9,730° 3.0 52° 6,610 11,440° 3.6 6.4°	28' 83 27' 78 26' 69
Ď	-4.5 m -15' 9.0 m 30' 7.5 m 25' 6.0 m						5.4* 5.4* 1 2,600* 1 2,600*	3.8 5.0° 8,200 11,260° 3.8 5.0°	5.0° 5.0° 11,260° 11,260° 5.0° 5.0°	26 43	3.9 5.2*	3.1 5.1	5.8° 5.8° 13,020° 13,020° 4.5 5.4° 10,250 11,980° 3.6 5.3°	16' 6.8 22'
5.5 m / 18' 0" 2-piece boom 3.2 m / 10' 6" arm for grab Front dozer	20' 4.5 m 15' 3.0 m 10'					5.7 6.2° 12,210 13,340 °	10,640° 10,640° 62° 62° 13,340° 13,340° 16,990 17,750°	8,230 11,000° 3.7 5.6° 7,900 12,200° 3.4 5.8 7,360 12,540 3.1 5.5	11,000* 11,000* 5.4 5.6* 11,680 12,200* 5.1 6.6* 11,080 14,230* 4.8 7.6*	5,550 9,270 26 43 5,510 9,220 24 42 5,270 8,960 23 4.0	8,250 11,610° 3.8 5.3° 8,200 11,700° 3.7 5.8° 7,940 12,590° 3.5 6.3°	5,330 8,950 20 3.5 4,530 7,720 19 3.2 4,110 7,100 1.8 3.1	7,960 11,620° 3.1 5.1° 6,850 11,220° 29 5.1° 6,290 11,220° 28 5.3°	25' 8.5 28' 8.8 29' 8.9
blade Rear outriggers	5' 0.0 m 0' -1.5 m -5' -3.0 m -10'			15,200 20,660°: 72 15.4° 15,480 34,000	13.1 15.4*	4.0 7.8 8,710 16,730 4.0 7.8	14,730 25,000* 6.7 11.9* 14,380 25,720*	6,770 11,880 29 5.3 6,320 11,370 28 5.1 6,070 11,090 28 5.1 6,060 11,080	4.6 8.4* 9,950 18,130* 4.5 8.7* 9,680 18,820* 4.5 8.3*	4,970 8,640 22 3,9 4,730 8,370 21 3,8 4,600 8,230	7,630 13,690° 3.4 6.7° 7,370 14,570° 3.4 6.8° 7,230 14,740°	3,920 6,880 18 3.2 3,950 6,990 19 3.4 4,230 7,510 22 3.9 4,910 8,740	35 62*	87 29 ' 82 27 ' 7.4

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.

At the arm end, without bucket and quick fit. Unit: 1,000 kg / 1 lb For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. Counterweight 3,900 kg (8,680 lb), axle load <12 t (26,460 lb)

	Arm end		Reach fron	n machine ce	nter (u = su	pport up,	d = suppo	rt down)				
Across	(bucket pivot)	1.5 m / 5'	3.0 m / 10'	4.5 m	n / 15'	6.0 m	/ 20'	7.5 m .	/ 25 '	Max	x. reach	
undercarriage Along undercarriage	related to ground level		u d u	d u d	u d	u d	u d	u d	u d	u d	u d	Max. m ft
5.5 m / 18' 0" 2-piece boom 2.45 m / 8' 0" arm Front and rear outriggers	9.0 m 30' 30' 7.5 m 25' 6.0 m 20' 4.5 m 15' 3.0 m 10' 1.5 m 0' -1.5 m -5' -3.0 m -10' -4.5 m -110'		97 97 97 20,590° 20,590° 2 7.1 11.5' 11.5' 15,220 26,150° 26,150°	56 5: 12,070 12,070 12,070 12,070 12,000 19,	27 12,250* 12,250* 7* 5.7* 5.7* 5.7* 5.7* 5.7* 5.7* 5.7*	7,500 12,260° 7,500 12,260° 34 61° 7,220 13,200° 29 66 6,200 14,180 27 64 5,850 13,750 28 63 5,720 13,600 27 64 5,870 13,780	47 78* 10,030 16,940* 45 84* 9,640 18,170* 44 84* 9,500 18,200* 45 75*	23 49 22 48 4,710 10,380 21 47 4,480 10,120 20 46 4,310 9,920	36 57' 35 60' 7,500 13,100' 34 64' 7,260 13,910' 33 66' 7,080 14,370'	27 4.7' 6,060 10,370' 22 44,880 10,030' 1.9 4.3 4,300 9,580 1.8 42 4,070 9,240 1.9 4.3 4,120 9,480 2.1 4,7 4,530 10,490 2.5 5.9 5,610 13,040	4.1 6.8 9,200 14,940	2' 56 0' 18' 7' 69 0' 22' 5' 76 25 6' 26 9' 81 0' 27 5' 73 0' 24' 8' 64 0' 21'
5.5 m / 18' 0" 2-piece boom 2.6 m / 8' 6" arm Front and 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 -1.5 m -5° -3.0 m -10° -4.5 m 30°		9.2° 9.2° 9.2° 19.410° 19.410° 19.410° 70 11.2° 11.2° 15,150 25,490° 25,490° 2	12,030** 12,030** 12,030** 12,030** 14,790** 14,79** 10,190** 19,150** 10,190** 12,033** 4.0 10,8,530** 21,59** 112** 3.9 10	11,680" 11,680" 11,680" 12,030" 12,030" 12,030" 12,030" 12,030" 12,030" 12,030" 12,030" 12,030" 12,030" 12,030" 12,030" 14,790" 16,360 19,150" 16,360 12,150" 16,360 12,150" 16,360 12,150" 16,360 12,150" 16,360 12,360" 16,360 12,360" 16,360 12,360" 16,360 12,360	35 5.4 7,570 11,880° 34 5.97 12,890° 31 6.8 6,750 14,780° 29 6.6 6,230 14,210° 27 64 5,850 13,770 27 64 5,850 13,730 27 64 5,810 13,720	4.5 8.3* 9,650 18,070* 4.4 8.4* 9,490 18,250* 4.5 7.7*	23 50 4,910 10,620 22 48 4,730 10,410 21 47 4,490 10,330 20 46 4,300 9,920	36 56' 7,720 11,950' 35 59' 7,530 12,880' 34 63' 7,270 13,760' 33 66' 7,070 14,320'	63' 63' 14,990' 14,990' 14,990' 14,990' 14,990' 14,790' 26,44' 5,830 9,860' 21 4,740 9,360' 19 42,400 9,220 4,800 10,150 2,24' 56 5,370 12,470	48' 48 10,770' 10,770' 40 44 9,030 9,680 34 42 7,480 9,360 31 43 6,730 9,490 29 46 6,460 10,060 30 51 6,590 11,150 33 6,7220 13,290 40 67	11' 8' 59 19' 4' 71 22' 78 10' 25' 81 81 10' 27' 6' 82 27' 11' 27' 11' 27' 11' 27' 11' 27' 11' 66
5.5 m / 18' 0" 2-piece boom 2.9 m / 9' 6" arm Front and rear outriggers	-15' 9.0 m 30' 7.5 m 25' 6.0 m 20' 4.5 m 10' 1.5 m 5' 0.0 m 0' -1.5 m -10' -4.5 m -10' -4.5 m -15' -3.0 m -15' -3.0 m -15' -4.5 m -15' -4.		81' 81' 81' 17,140' 17,140' 17,140' 70 107' 107' 15,020 24,330' 24,330' 27,1 157' 133 15,350 34,050' 28,380 3	15.1" 11,060 11,060 11,060 11,060 11,060 11,060 13,800 14,8 12,6 12,6 12,6 12,6 12,6 12,6 12,6 12,6	01 10,600* 10,600* 11,060* 11,	7,500 9,940° 36 51° 7,700 11,160° 32 66° 6,850 14,240° 29 66° 6,290 14,300 26 63 5,880 13,800 26 63 5,880 13,560 35,730 13,620	5.1' 5.1' 11,160' 11,160' 5.3 5.6' 11,320 12,280' 5.0 6.6' 10,740 14,240' 4.7 75' 10,140 16,330' 4.5 8.2' 9,680 17,850' 4.4 8.4'	23 50 5,010 10,740 22 48 4,790 10,490 4,520 10,180 20 4,6 4,300 9,920 20 4,6 4,300 9,920 20 8,830	36 53' 7,830 11,690' 35 57' 7,600 12,470' 34 62' 7,310 13,460' 33 65' 7,070 14,200' 32 65' 6,990 14,060'	12,10° 12,10° 13,33° 42° 7,490° 9,390° 5,440° 8,520° 20° 38° 4,470° 8,570° 8,570° 19° 43° 4,110° 9,550° 22° 5,22° 4,940° 11,480° 12,10° 10° 11,480° 12,10° 12,10° 10° 10° 10° 10° 10° 10° 10° 10° 10°	3.7 6.4	13' 13' 22' 63 20' 20' 24' 28' 81 81 28' 28' 28' 28' 28' 28' 27' 27' 27' 27' 26' 4' 69
5.5 m / 18' 0" 2-piece boom 3.2 m / 10' 6" arm for grab Front and 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 0' -1.5 m -10' -4.5 m -10'		15,370 20,660° 20,660° 73 15.4° 13.4 15,650 35,250° 28,650 3	10,640* 10,644 57 12,310 13,344 11,120 17,75(42 10 9,120 22,24 41 10 20,660* 8,810 21,83 15.4* 41 10	0° 12,600° 12,600° 0° 10,640° 10,640° 1° 62° 62° 62° 0° 13,340° 13,340° 0° 17,360 17,750° 4 70 11,6° 0° 15,100 25,000° 2 68 119° 0° 14,750 25,720°	39 5.0° 8,310 11,000° 37 5.6° 7,970 12,200° 34 6.6° 7,430 14,230° 32 6.9 6,840 14,870 3.0 6.7 6,390 14,330 28 6.5 6,140 14,030 28 6.5	4.7 8.4* 10,200 18,130 * 4.6 8.7*	26 522 5,610 11,360 26 53 5,560 11,310 25 51 5,320 11,030 23 50 5,030 10,703 22 48 4,760 10,410 22 48 4,660 10,270	39 52' 8,440 11,610' 39 53' 8,390 11,700' 36 63' 7,820 13,690' 35 61' 7,520 14,570' 34 68' 7,420 14,740'	49 58: 11,600 13,020' 31 54: 7,010 11,980' 24 49 5390 10,9490 21 4,580 9,490 119 4,04 4,150 8,650 18 39 4,000 8,660 19 42 4,280 9,340 22 49 4,970 10,910	46 54 10,470 11,980 37 53 8,140 11,620 32 51 7,020 11,220 29 51 6,450 11,220 28 53 16,230 11,610 29 57	16' 68 22' 68 22' 74 68 68 68 68 68 68 68 68 68 68 68 68 68

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.

At the arm end, without bucket and quick fit. Unit: 1,000 kg / **1 lb**For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values.
Counterweight 4,500 kg (10,005 lb)

		Arm and				Reach fro	om machi	ne center	u = suppo	ort up, d = s	support do	own)			
-	Across	Arm end (bucket pivot)	1.5 m	/ 5'	3.0 m /	′ 10'	4.5 m	n / 15'	6.0 m	/ 20'	7.5 m	/ 25'	Ма	ıx. reach	
<u></u>	undercarriage Along undercarriage	related to ground level	u d	<u></u> d d	u d	<u></u> d d	u d	<u></u> d d	u d	u d	u d	<u></u>	u d	₫	Max. m ft
j		9.0 m 30' 7.5 m	u d	u u	u u	u u	5.5* 5.	5.5 5.5 5.5	uu	u u	u d	u u	7.0° 7.0° 4.1 5.2°	7.0° 7.0° 5.2° 5.2°	3.3 5.6
5.	5 m / 18' 0'' piece boom 45 m / 8' 0''	25' 6.0 m 20' 4.5 m 15' 3.0 m			9.7* 9.7* 20,590 * 20,590 * 2	9.7* 9.7* 0,590* 20,590*	5.7° 5.7 12,510° 12,510 5.6 7. 12,080 15,280 5.0 9	12,510* 12,510* 1* 7.1* 7.1 1* 15,280* 15,280* 1 79 9.1	38 5.6 8,060 12,260 36 6.1 7,780 13,190 34 5.9	11,980 12,260* 5.4 6.1* 11,670 13,200* 5.2 6.9*	25 4.3 24 4.2	3.8 5.7° 3.7 6.0°	9,400 11,600° 29 4.7° 6,550 10,370° 24 4.1 5,320 9,160 21 3.7°	9,820 10,370° 37 4.5° 8,100 10,030° 33 4.6°	18' 6.9 22' 7.6 25' 8.0
ar Fr bla		10' 1.5 m 5' 0.0 m 0' -1.5 m			77 11.5*	11.5* 11.5*	4.3 8 9,300 17,70	7.3 10.9 15,820 23,480 7.1 11.6 15,230 25,180	7,270 12,620 31 5.6 6,760 12,040 30 5.4 6,410 11,640 29 5.3	4.9 7.8* 10,560 16,940* 4.7 8.4* 10,170 18,170*	5,140 8,950 23 4.0 4,910 8,700 22 3.9 4,740 8,510	7,900 13,100° 3.6 6.4° 7,650 13,910° 3.5 6.6° 7,470 14,370°	4,710 8,260 20 3.6 4,470 7,950 21 3.7 4,540 8,140 2.3 4.1	3.2 4.9° 7,000 10,810° 3.2 5.5° 7,150 12,030°	26' 8.1 27' 79 26' 73
	ar ournggoro	-5' -3.0 m -10' -4.5 m -15'			16,580 26,150* 2		9,190 17,56 4.3 8	0 15,100 24,850	6,280 11,500 3.0 5.4	10,030 18,200*			4,980 8,970 28 5.0 6,150 11,080	7,870 14,420* 4.4 6.8*	24' 6.4
Ů		9.0 m 30' 7.5 m 25' 6.0 m					5.5* 5.	11,680* 11,680 * 5.5* 5.5*	3.8 5.4	5.4* 5.4*			3.9 4.8 8,900 10,770 2.8 4.4	14,690* 14,690* 4.8* 4.8* 10,770* 10,770* 4.2 4.4*	3.7 11' 5.9 19' 7.1
2- 2.0 ar	5 m / 18' 0'' piece boom 6 m / 8' 6'' m ont dozer	20' 4.5 m 15' 3.0 m 10' 1.5 m			92* 92* 19,410* 19,410*	92* 92* 19,410 * 19,410 *	5.6 6.5 12,180 14,790 5.1 8.9 10,980 19,150 4.6 8	7 14,790* 14,790° 79 8.9 71,140 19,150°	3.6 5.9 7,830 12,890 3.4 5.9 7,310 12,670 3.1 5.6	52 68* 11,160 14,780 * 49 7.7*	25 43 5,340 9,170 24 42 5,160 8,980 23 4.0 4,920 8,710	38 5.6° 8,120 11,950° 3.7 5.9° 7,930 12,880° 3.6 6.3° 7,670 13,760°	6,310 9,680° 23 4.0 5,160 8,900 21 3.6 4,590 8,050 20 3.5 4,350 7,750	3.5 4.2° 7,870 9,360° 3.2 4.3° 7,100 9,490° 3.1 4.6°	78 25' 8.1 27' 8.2 27'
bla	ade ear outriggers	0.0 m 0' -1.5 m -5' -3.0 m -10'			7.7 11.2° 16,510 25,490° 2	11.2* 11.2* 5,490* 25,490 *	43 8 9,330 17,73 43 8 9,170 17,55 43 8	2 7.1 11.6 0 15,260 25,080 2 7.0 11.5 0 15,090 24,960	6,790 12,070 30 54 6,410 11,650 29 53 6,260 11,480 29 54 6,370 11,610	4.7 8.3* 10,180 18,070* 4.6 8.4* 10,100 18,250* 4.7 7.7*	22 3.9 4,730 8,500	3.5 6.6° 7,470 14,320°	20 3.6 4,410 7,920 22 3.9 4,820 8,690 26 4.8 5,880 10,610	32 5.1° 6,960 11,150° 35 6.0° 7,630 13,290° 3 4.2 6.7°	8.0 26' 7.5
<u>.</u>		-15' 9.0 m 30' 7.5 m 25'					4.8° 4.8 10,600° 10,600	3° 48° 48° 3° 10,600° 10,600°	38 5.2' 8,150 9,940 '	52* 52* 9,940 * 9,940 *			5.3° 5.3° 12,110° 12,110° 3.5 4.2° 8,040 9,390°	12,110* 12,110* 4.2* 4.2*	4.3 13' 6.3 20'
2-	5 m / 18' 0'' piece boom 9 m / 9' 6''	6.0 m 20' 4.5 m 15' 3.0 m			8.1° 8.1° 17,140° 17,140°	8.1° 8.1° 17,140° 17,140°	5.7 6.4 12,390 13,800 52 8.8	11,060* 11,060* 11 6.4* 6.4 13,800* 13,800* 5* 8.1 8.5	3.7 5.6° 7,940 12,280 ° 3.4 5.9	5.2 6.6*	25 43 5,440 9,280 24 42	3.8 5.3° 8,230 11,690° 3.7 5.7°	22 3.8° 4,880 8,270° 20 3.5	8,520* 8,520* 3.4 3.8* 7,450 8,270* 3.1 3.8*	8.4
bla	m ont dozer ade ear outriggers	10' 1.5 m 5' 0.0 m 0' -1.5 m			7.6 10.7°	10.7* 10.7*	4.3 8	6 7.5 10.4 0 16,080 22,450 3 7.1 11.5 0 15,320 24,810	7,410 12,780 32 5.6 6,850 12,150 30 5.4 6,440 11,690 29 5.3	4.9 7.5* 10,660 16,330* 4.7 8.2* 10,210 17,850*	5,220 9,050 23 41 4,950 8,750 22 4,0 4,730 8,510 22 3,9	7,990 12,470* 3.6 6.2* 7,700 13,460* 3.5 6.5* 7,470 14,200* 3.4 6.5*	4,360 7,660 1.9 3.4 4,140 7,390 1.9 3.4 4,180 7,530 2.1 3.7	3.0 4.0° 6,500 8,820° 3.0 4.4° 6,610 9,730°	28' 8.5 28' 8.3 27' 7.8
		-5' -3.0 m -10' -4.5 m -15'			16,380 24,330* 2 7.8 15.7*	4,330* 24,330* 15.7 *	4.3 8 9,230 17,62	0 15,060 25,120° 2 7.0 10.8° 0 15,160 23,390°	6,240 11,460 29 5.3	9,990 18,290* 4.7 7.9*	4,650 8,420	7,380 14,060*		7,180 11,440° 3.9 6.4° 8,580 14,180°	26' 6.9 23'
	- (401011	9.0 m 30' 7.5 m 25' 6.0 m 20'						1° 5.4° 5.4° 12,600° 12,600° 10,640° 10,640°	4.1 5.0	11,260* 11,260*	28 4.6 6,040 9,900	4.1 5.2° 8,840 11,610°	3.3 5.4 7,510 11,980 ° 26 4.3	13,020* 13,020* 4.8 5.4* 10,940 11,980*	16' 6.8
2- 3. ar	5 m / 18' 0'' piece boom 2 m / 10' 6'' m for grab ont dozer	4.5 m 15' 3.0 m 10' 1.5 m					6.1 6.1 13,100 13,34 0		4.0 5.6 8,530 12,200 3.7 6.2	5.6° 5.6° 12,200° 12,200° 5.5 6.6° 11,860 14,230° 5.2 7.6°	28 4.6 6,000 9,850 27 4.5 5,750 9,590 25 4.3 5,460 9,270	4.1 5.3° 8,790 11,700° 4.0 5.8° 8,530 12,590° 3.8 6.3° 8,220 13,690°	22 37 4,970 8,280 20 3.5 4,520 7,630 20 3.4 4,330 7,400	33 5.1° 7,370 11,220° 31 5.1° 6,790 11,220° 30 5.3°	8.5 28' 8.8 29' 8.9
_	ade ear outriggers	0.0 m 0' -1.5 m -5' -3.0 m -10' -4.5 m			16,730 20,660° 2 79 15.4° 17,010 35,250°	14.1 15.4*	4.4 8 9,610 17,99 4.5 8	15,580 25,000° 4 72 11.9° 0 15,530 25,720°	32 5.7 6,950 12,200 31 5.5 6,700 11,930 31 5.5	5.0 8.4* 10,720 18,130* 4.8 8.7* 10,460 18,820*	24 42 5,210 8,990 24 4.1	3.7 6.7° 7,950 14,570° 3.6 6.8° 7,820 14,740°	20 3.4 4,370 7,520 21 3.7 4,680 8,080 24 4.2	3.0 5.6° 6,670 12,480° 3.2 6.1° 7,150 13,350°	8.7 29' 8.2 27' 7.4

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.

At the arm end, without bucket and quick fit. Unit: 1,000 kg / 1 lb For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. Counterweight 4,500 kg (10,005 lb)

	A			Reach	n from ma	chine cen	ter (u = su	pport up,	d = suppo	rt down)				
Across	Arm end (bucket pivot)	1.5 m	/ 5'	3.0 m	/ 10'	4.5 m	/ 15'	6.0 m	/ 20'	7.5 m	/ 25'	Ма	x. reach	
undercarriage Along undercarriage	related to ground level	₽	<u> </u>		<u> </u>		<u></u>		<u></u>		<u> </u>			Max. m
5.5 m / 18' 0" 2-piece boom 2.45 m / 8' 0" arm Front and rear outriggers	9.0 m 30' 7.5 m 25' 6.0 m 20' 4.5 m 10' 1.5 m 0' 0' -1.5 m -3.0 m -1.5 m -4.5 m	u d	u d	97° 97° 20,590° 20,590° 2 11.5° 16,750 26,150°	9,7° 9,7° 20,590° 20,590°	56 7.1* 6,610 15,280* 51 9,11* 10,980 19,620* 46 10.9* 9,920 23,480* 44 10,7 9,400 23,020 43 10,7 9,290 22,870 44 10,4	57° 57° 12,510° 12,510° 71° 71° 15,280° 15,280° 81 9,1° 17,390 19,620° 75 10,9° 16,190 23,480° 72 11,6°	36 6.1* 7,850 13,200* 34 6.9* 7,340 15,040* 32 7.0 6,830 15,130 3.0 6.8 6,480 14,710 2.9 6.8 6,350 14,550 3.0 6.8	12,230 12,260* 5.5 6.1* 11,920 13,200* 5.3 6.9* 11,370 15,040* 5.0 78* 10,810 16,940* 4.8 8.4* 10,420 18,170* 4.8 8.4* 10,280 18,200*	25 53 24 52 5,190 11,090 4,960 10,820 22 49 4,790 10,630	39 57° 38 60° 8,090 13,100° 36 64° 7,660 14,370°	30 4,7* 6,610 10,370* 24 4.5* 5,370 10,030* 22 4.6* 4,760 10,160* 21 4.5	11,600° 11,600° 45 4.7° 10,040 10,370° 3.7° 4.5° 8,290 10,030° 3.4° 4.6° 7,470 10,160° 3.3° 5.5° 7,340 12,030° 3.7° 6.5° 8,070 14,420° 4.5° 6.8°	5.6 18' 6.9 22' 7.6 25' 8.0 26' 8.1 27' 7.9 26' 7.3 24' 6.4
5.5 m / 18' 0" 2-piece boom 2.6 m / 8' 6" arm Front and rear outriggers	15' 9.0 m 30' 7.5 m 25' 6.0 m 20' 4.5 m 10' 1.5 m 5' 0.0 m 1.5 m -10' -1.5 m -10' -4.5 m -10' -4.5 m -15' -3.0 m -10' -4.5 m -15' -4.5 m -			92' 92' 19,410	11.2' 11.2'	51 8.9° 11,080 19,150° 46 10.7° 10,000 23,150° 44 10.7° 9,430 23,060 43 10.7° 9,270 22,860 44 10.5°	55' 55' 12,030' 12,030' 69' 69' 14,790' 14,790' 81 89' 17,510 19,150' 75 10,7' 16,280 23,150' 73 11,6' 15,630 25,080' 72 11,5'	37 59' 7,900 12,890' 34 6.8' 7,380 14,780' 32 7.0 6,860 15,170 3.0 6.8 6,490 14,720 2.9 6.8 6,330 14,540 3.0 6.8	11,880* 11,880* 5.6 5.9* 11,970 12,890* 5.3 6.8* 11,140 14,780* 7.7* 10,840 16,750* 4.8 8.3* 10,430 18,070* 4.8 8.4* 10,260 18,250*	25 53 5,400 11,320 24 52 5,220 11,120 23 50 4,970 10,849 4,790 10,620	39 56' 8,310 11,950' 38 59' 8,120 12,880' 36 66' 7,860 13,760' 36 66' 7,660 14,320'	39 4.8* 8,970 10,770* 28 4.4* 6,370 9,680* 24 4.2* 5,220 9,360* 21 4.3* 4,640 9,490* 20 4.4	14,690* 14,690* 48* 48* 48* 10,770* 10,770* 43 4.4* 9,680 9,800* 33 4.3* 7,280 9,490* 32 5.1* 7,140 11,150* 35 60* 7,820 13,290* 43 6.7*	11' 5.9 19' 7.1 23' 7.8 25' 8.1 27' 8.0 26' 7.5 25' 6.6
5.5 m / 18' 0" 2-piece boom 2.9 m / 9' 6" arm Front and rear outriggers	9.0 m 9.0 m 10° -1.5 m -10° -4.5 m -10° -4.5 m -1.5			8.1° 8.1° 17,140° 17,140° 16,560 24,330° 78 15.7° 16,890 34,050°	10.7* 10.7* 24,330* 24,330* 14.3 15.7*	51* 51* 51* 11,060* 12,000* 13,800* 52 8.5* 11,300 14,90* 47 10,150 22,450* 44 10,8 9,480 23,140 9,250 22,840 43 10,07*	82 85' 17,760 18,190' 76 10,4' 16,450 22,450' 73 11,5' 15,700 24,810' 72 11,6'	37 56° 8,010 12,280° 35 66° 7,480 15,240° 32 71 6,930 15,250 30 69 6,510 14,760 29 67 6,310 14,520 68 68 68 69 68 69 69 69 69 69 68 68 68 69 69 69 69 69 68 68 68 69 69 69 69 69 68 68 68 69 69 69 69 69 69 69 69 69 69 69 69 69	9,940* 9,940* 5.1* 5.1* 11,160* 11,160* 5.6 5.6* 5.6* 5.3 6.6* 11,520 14,240* 5.1 7.5* 10,910 16,330* 2* 10,460 17,850* 4.8 8.4* 10,240 18,290*	26 53 5500 11,440 25 52 5280 11,190 23 51 5,010 10,880 22 49 4,790 10,840 22 49 4,770 10,540	39 53° 8420 11690° 38 57° 8,180 12,470° 37 62° 7,890 13,460° 36 65° 7,580 14,060°	36 42' 8,110 9,390' 27 39' 5,950 8,520' 22 3.8' 4,930 8,270' 20 38' 4,410 8,380' 19 40' 4,190 8,820' 19 43' 4,230 9,380 21 46	12,110* 12,110* 42* 42* 9,390* 9,390* 8,520* 8,520* 34* 34* 6,930 8,380* 30* 40* 6,670 8,820* 31* 44* 6,790 9,730* 33 52* 7,370* 11,440* 6,64*	13' 63 20' 7.4 24' 8.1 26' 8.4 28' 8.5 28' 8.3 27' 7.8 26' 6.9
5.5 m / 18' 0" 2-piece boom 3.2 m / 10' 6" arm for grab Front and 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' -4.5 m -10'			16,900 20,660°: 80 15.4° 17,180 35,250°	20,660° 20,660° 14.4 15.4°	4.6 11.0 10,020 23,710 4.5 10.9 9,710 23,300 4.5 10.9	12,600* 12,600*	42 5.0° 8,940 11,000° 4.0 5.6° 8,600 12,200° 3.5 73 7,480 15,830 3.1 7,00 6,770 14,990 3.1 7,000	11,260* 11,260* 5.0* 11,000* 11,000* 11,000* 12,200* 5.6 6.6* 12,110 14,230* 5.3 7.6* 11,480 16,440* 10,980 18,130* 5.0 8.7* 10,710 18,820*	29 527 6,000 11,610* 28 53* 6,050 11,700* 27 55 5,810 11,400 26 53 5,520 11,400 24 52 5,270 11,120 24 51 5,150 10,980	3.9 6.3* 8,410 13,690* 3.8 6.7* 8,150 14,570* 3.7 6.8*	34 5.4' 7,580 11,980' 26 52 5,870 11,620' 23 46 5,020 10,100 21 42 4,570 9,340 20 41 4,380 9,080 20 42 4,420 9,260 21 4,730 9,980 25 53	13,020 13,020 49 5.4 11,170 11,980 3.9 5.3 8,720 11,620 3.1 5.1 6,950 11,220 3.1 5.3 6,720 11,610 3.1 5.7 6,830 12,480 3.3 6.1 7,330 13,350	20' 68 20' 78 20' 85 20' 88 20' 88 20' 89 20' 87 20' 87 20' 87 4

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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
Aluminium core radiator

Electric/Electronic control system

Contronics-computerized monitoring and diagnostic system

Master electrical disconnect switch

Automatic idling system

One-touch power boost

Adjustable monitor

Engine restart prevention circuit

Safety stop/start function

High capacity halogen lamps

- Frame mounted 2
- Cab mounted 2

Alternator, 80 A

Batteries, 2 x 12 V/140 Ah

Start motor, 24 V/4.8 kW

Travel alarm

CareTrack via satellite

Undercarriage

Twin tires 10.00 - 20 / 11.00 - 20

Stone protection rings

Front dozer blade and rear outriggers

2-speed power transmission plus creep speed

Oscillating front axle ± 9°

2-circuit travel brakes

Maintenance-free propeller shafts

Superstructure

Counterweight, 4,500 kg (10,005 lb)

Service walkway with anti-slip grating Centralized lubricating point for swing bearing

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

AM/FM stereo with CD player and MP3 input;

includes flexible antenna

Hydraulic safety lock lever

Control joystick, with 5 switches each

Cab, all-weather sound suppressed, includes:

- Cup holder
- Door locks
- Safety glass, light tinted
- Floor mat
- Horn
- Large storage area
- Pull-up type front window
- Removable lower windshield
- Seat belt, 3 inch retractable
- Windshield wiper with washer and intermittent feature

Fabric seat, with heater and air suspension

Sun shield front, roof and rear

Anti-vandalism kit assembly preparation

Master ignition key

Hydraulic system

Load sensing hydraulic system

Cylinder cushioning

Cylinder contamination seals

Return filter of full flow type 2,000 h

exchange interval

Pressure relief system (servo accumulator)

Thermostatically controlled cooling fan

Hose rupture valve for boom

Hydraulic oil, ISO VG 46

OPTIONAL EQUIPMENT

Engine

Diesel coolant heater with digital timer

Block heater, 120 V

Water separator with heater

Dust net

Fuel filler pump: 50 I/min (13.2 gpm)

with automatic shut-off

Electric

Rotating beacon

Extra work lights:

- Service walkway 1 and counterweight 1
- Boom-mounted 2
- Cab front 2

Electric center passage

Rear view camera

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
- Quick fit

Cab and interior

Volvo Care Cab with fixed PC roof hatch

Heate

Proportional control joystick

On /off joystick

Falling object guard (FOG)

Cab mounted falling object protective

structure (FOPS)

Safety net for front window

Lower wiper

Anti-vandalism kit

Ashtray

Lighter

Operator seat:

Fabric seat, with heater

Undercarriage

Single tires 18R - 19.5 / 600 / 40-22.5

Sparewheel

4 outriggers

Grab holder

Mudguards, front / rear
Tool box, left hand side / right hand side

Cruise control

Travel speed 20 km/h (12.4 mph),

25 km/h **(15.5 mph)**, 30 km/h **(18.6 mph)** Wide axle 2.75 m **(9' 0'')**

Superstructure

Counterweight, 3,900 kg **(8,680 lb)**

Digging equipment

Boom options:

- 5.6 m **(18' 4'')** monoblock
- 5.5 m (18' 0") 2-piece boom

Dipper arms:

- 2.45 m **(8' 0'')**
- 2.6 m **(8' 6'')**
- 2.9 m **(9' 6'')** - 3.2 m **(10' 6'')** grab arm

Hydraulic quick fit

S1 system

Universal system

Attachments

Buckets, direct fit and quick fit:

- General Purpose bucket (GP)
- Heavy Duty bucket
- Slope bucket
- Hammer bracket, S1, direct fit (universal system)
- Grab holder

Service

Tool kit

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

Notes

Notes



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



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



Volvo Construction Equipment