VOLVO EXCAVATOR

EW160B



VOLVO

Tradition and innovation in perfect harmony

The new generation of Volvo wheeled excavators is a logical development of earlier models. At the same time, it's a whole new machine, where well-proven design solutions and new technology meet. Perfect harmony between tradition and innovation has resulted in an excavator that stands in a class of its own. Featuring Volvo's own new engines, refined hydraulics and a wide variety of new solutions, the new generation wheeled excavators are just as good at lifting and travelling as they are at digging. A complete machine that's perfect for any job – both on and off the road.



Innovation at every turn

When we designed the EW160B, we examined every component of our excavators to determine how to maximise comfort, reliability, productivity and serviceability. And we focused on a few key areas to make it happen. The result is a new Volvo-designed engine that's reliable and powerful, built to perfectly match hydraulic output levels for maximum productivity. A hydraulic system that's both tough and intelligent, designed to respond to the slightest operator command. A cab with a full range of operator conveniences and comfort help to make the work day as smooth as possible. Features throughout the machine have been designed to simplify routine maintenance, for more uptime to get the job done.

At your service

Take a look at the wide variety of innovations we added to the EW160B. Remember that every Volvo excavator is backed by complete customer support from the worldwide network of Volvo dealers and their service and parts organisations.

Specifications EW160B

Engine: Volvo D6D EJE2
 Rated power at: 33 r/s (2000 r/min)
 SAE J1995, gross: 110 kW (148 hp)
 ISO 9249, DIN 6271, net: 103 kW (138 hp)

■ Breakout force: 98,5 kN■ Max digging depth: 6,3 m

■ Bucket: 0,19-0,83 m³ Max. travel speed: 20, 30, 35 km/h

Max digging reach:
9,7 m
Operating weight:
15,8−17,5 t







Outstanding performance



We've designed an engine with optimal productivity

One of the greatest differences on the new excavators are the new Volvo in-house produced six cylinder low-emission engines. Using vast experience and well-proven technology, we've designed an engine with optimal productivity that goes beyond all known environmental requirements, with less sound and lower fuel consumption than the predecessors.

Our engines use fuel extremely efficiently, and this means minimised hazardous emissions without any power loss. Since the engines are matched to the hydraulics, it's possible to operate at low engine speeds and still maintain quick movement of the digging equipment.

The new engine, the advanced hydraulics and the outstanding digging geometry combine to make the EW160B excavator perfect in a wide range of applications. It's a complete excavator, just as good at lifting and travelling as it is at digging. Excellent off-road mobility and on-road capacity allow you to maintain higher average speed, fast travel between different work sites.

Further, we've sized up from four to six cylinders for the EW160B.

Excellent manoeuvrability, even at low engine speeds

Volvo's advanced hydraulic system has been further refined for the new generation's excavators, making the new machines extremely smooth and manoeuvrable. The hydraulics pump oil to the functions only when it's needed, and all power is concentrated to the activated function. The operator has complete control of the machine and attachment, giving a feeling of being one with the machine. The system is designed and built using proven and highly reliable components - optimised for Volvo - enabling simultaneous activation of several movements and giving the operator safe control of both load and attachment. This provides excellent manoeuvrability, even at low engine speeds. We dare say that it's the best hydraulic system on the market. With Volvo's unique float mode, production increases while reducing fuel consumption and wear.

High average speed guarantees high productivity

The excavators feature world class digging and lifting forces. An engine with high torque drives the hydraulic system, delivering both high working pressure and high flow. High forces and quick movements combined with outstanding manoeuvrability guarantee high productivity.

Just as good at lifting high as it is at digging deep

With four different digging booms, a wide range of dipper arm lengths and attachments, there's a solution to all needs. Rugged booms and dipper arms are dimensioned for the most extreme stresses. And, with Volvo's tried-andtested hydraulic quick-fit, you can change attachments without leaving the cab. Unbeatable flexibility that generates productivity. The unique boom geometry also delivers higher lift and very good dumping height, and that means faster work cycles. These new excavators are just as good at lifting high as they are at digging really deep.

Engine

- New turbocharged air-to-air intercooled six cylinder low emission Volvo engine built specifically for use in Volvo excavators easily meets EU STEP2 requirements.
- The electronically controlled fuel injection provides quick response, lower fuel consumption and faster work-cycles.
- High engine output gives top class per formance.
- Auto idling system reduces noise and fuel consumption.

Hydraulics

- State-of-art hydraulic system gives you excellent manoeuvrability with minimal power losses.
- One-touch power boost for increase in digging and lifting forces.
- Durable aluminium core oil-cooler with an electronically controlled hydrostatic fan is located separately from radiator for easy access to cleaning.
- High versatility for extra hydraulic equipment.

 Optional boom float position – featured by Volvo since 1968.

Digging equipment

- Booms and dipper arms built to withstand extreme stress and provide long, reliable lifetime.
- Excellent digging and lifting capacities.
- A wide selection of booms and dipper arms gives you a solution for every need.



Complete control

Technical solutions must always be introduced on human terms. It's the operator who should be in command of the machine, not the opposite. That's why our new excavators are equipped with new advanced technology that always gives the operator complete control. Volvo's mode selector allows the operator to select a working mode so that the machine adapts to the current operating techniques and operating conditions. The new instrument panel combined with MDU – Machine Display Unit – provides the operator with all relevant information about machine status in a simple and logical manner.

Make your own mode pre-setting

The customer mode, allows machine performance to be set to the operator's own operating conditions and operating technique. In a very simple way, the hydraulic oil flow and engine speed can be set individually.

The new instrument panel combined with MDU – Machine Display Unit – provides the operator with all relevant information about machine status in a simple and logical manner. In this way, the operator can concentrate on operating and the job. Coolant temperature and fuel level are highly visible at a glance, and it's just as easy to get information on engine speed and the selected mode, as well as engine hours and system voltage. Warning lights and an audible alarm signal alert the operator in case of a malfunction.

Go as slow as you desire

The Power Shift transmission allows the operator to shift between low and high speed range on the move. The transmission has three separate max. speeds, of which one is a 4 km/h creep speed. However, sometimes road construction and grading jobs require even slower speeds. That's why the function now is adjustable, the operator can go as slow as desired, depending on the job that needs to be done.

A truly stable performer

The outriggers and the dozer blade give the already rugged and wellbalanced machine extra stability. The outriggers spread is almost four metres. Still, the outriggers are no problem in off-road operations, they're simply folded in close to the machine. The dozer blade makes the machine a truly stable performer. Sometimes, the machine operates in inaccessible areas and rough ground conditions that require high flexibility and all-round capability. With Volvo's excavators, you can choose to run all supports simultaneously or with separate movements, in any combination. In some situations, it might be impossible to use the outriggers. That's why it's possible to select drum brakes as an option, ensuring stable digging without play in the axles, even without outriggers.



Electrical / Electronic system

- New instrument panel, combined with Machine Display Unit (MDU) enables even faster operating status checks and greater work efficiencies.
- New mode selector switch with customer mode setting for the preferred machine performance.
- Well protected and easily accessible distribution box for fuses and relays.

Undercarriage

- High travel speed and tractive force with good ground clearance enabling excellent on-road and off-road mobility.
- Rugged design of the outriggers and the dozer blade – wide outrigger spread.
- Independently or simultaneously operated undercarriage supports.



More compact on the outside, more spacious on the inside

Function is a part of every detail in the new machines, which the new design clearly shows. The EW160B is made compact, for easier operation and more efficient work in urban environments and narrow streets. Excellent boom lifting height and short tail radius makes it possible to both slew and turn the machine around even in very tight areas. The cab is slightly more square than before, simply because this makes the cab more spacious on the inside. There's lots of room for your feet as well as a practical lunchbox compartment and ample space for any personal items you may want on long shifts.



A good work environment is not an option

During development of the new machines, we've worked hard to make the cab as operator-friendly as possible. There's good reason for that; a good work environment is not an option when caring for operator comfort and operating pleasure. And only a comfortable operator does a good job. The cab is equipped with a new ergonomic operator's seat, with multiple adjust-

ment functions for optimal individual comfort. Even the cab's lever consoles have vertical adjustment. The electronic climate control system always ensures a comfortable cab environment. In short, the new machines offer a safe and comfortable workplace to be enjoyed, even during those long shifts.

A cab with a view

Good comfort and high safety require good visibility all around the machine in all weather and operating conditions. Visibility in the new cab has been improved. The strong yet narrow cab pillars give the operator a safe workplace, significant reduction of 'blind spots' on both sides and excellent forward visibility on the work site. Just like before, the front windshields of tinted safety glass are designed without mouldings, giving a clear view in the digging direction without blinding glare from intense sunlight.

Perfect co-ordination between operator and machine

Even the smallest parts in the machines are designed for perfect co-ordination between operator and

machine, making work effective and comfortable at the same time. The operator should have a comfortable operating environment, and it should be possible to really use all of the machine's functions and features. The machine responds immediately to the operator's commands, pedals and levers react consequently and distinctly to every movement. Instruments are easy to read and controls are within easy reach, ergonomically and logically placed to make work as operatorfriendly and smooth as possible. You, the operator, have full control of both machine and attachment in all jobs, even the toughest applications, making it possible for you to work long effective shifts without getting

Cab

- Ergonomically-designed cab provides greater operator comfort for higher operator efficiency and productivity.
- Improved visibility for safer and more efficient operation.
- Increased cooling and heating capacity, with Electronic Climate Control (ECC) and thirteen vents
- Very low cab noise level.
- Supported by gas springs, the upper front pane is very easy to slide up.
- High quality comfortable seat with nine different adjustments.

Superstructure

- Compact tail slew radius and low machine profile.
- Large side rear view mirror enhancing visibility and safety for both driving and working.



Care – down to the last detail

Volvo wheeled excavators are designed and built using the most advanced systems and technology available in the world today. Nothing has been left to chance. But, technology has not been allowed to stand above all. Instead, we've focused on operating safety and care – care of the machine, the environment and, most of all, the operator.

Easiest and safest workday possible

A wide range of ergonomic details and ingenious solutions, along with longitudinal mounting of the engine in the machine, mean easy service and routine maintenance from ground level. For service points higher up, the machine has the market's widest and safest platforms with anti-slip steps. Behind the cab on the middle of the machine, there is a spacious platform with lots of room to work. All these features encourage and facilitate the important service work, and give the operator the easiest and safest workday possible.

When it comes to safety, Volvo is in a class of its own

When it comes to operator safety and machine safety, Volvo is in a class of its own. An excavator must be able to handle tough work and withstand high stresses. It's important that travelling is safe, and this is something we've worked hard on for the new generation of excavators. The highly visible hydraulic safety bar in front of the left control console enables the operator to easily enter or leave the

machine without activating any machine functions.

Volvo excavators feature a unique travel lock. By turning a switch, you lock the entire superstructure to the undercarriage and, at the same time, all hydraulic functions are blocked. This prevents accidental movement of the digging equipment, slew or the undercarriage's support functions when travelling on a public road. In addition, the oscillating axle is automatically locked by using the digging brake, ensuring full stability at work. It can also be locked manually.

Automatic speed retardation gives you peace of mind

Even when running downhill at full throttle, the safety feature retards the machine speed and prevents it from overspeeding.

This enables less use of the service brake and gives the operator great peace of mind and safety. Should the machine run out of diesel fuel, there's an emergency system that always allows steering and braking. With the installed accumulators, the brakes in the new machines always provide reliable braking.



Serviceability

- On-ground maintenance of engine.
- Spacious service walkway with selfcleaning anti-slip steps.
- Large, easy-to-open doors and hoods with locks.
- Centralised and on-ground lubrication for digging equipment and slew bearing.
- Centralised hydraulic pressure check points.

Environment & Safety

- Low emission engines, meeting EU Step 2 emissions standard.
- Low noise hydraulic pumps and hydraulic driven oil cooler fan.
- Optional bio-degradable hydraulic oil.
- Highly visible hydraulic safety lock with tilting console box.
- Safe and easy superstructure alignment to undercarriage for travelling.
- Automatic front axle lock on applying the digging brake.
- Automatic retardation of downhill speed.
- Optional front window safety net, FOPS and FOG.



The EW160B in detail

Engine

The engine is a low emission, turbocharged, 4-stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU Step 2 requirements. The engine has been developed especially for excavator use, providing good fuel economy, low noise levels and a long service life.

Air Filter: 3-stage

Automatic Idling System: Reduces engine speed to idle when the levers and pedals are not activated resulting in less fuel consumption and low cab noise level.

Engine	Volvo D6D EJE2
Rated power at	33,3 r/s (2000 r/min)
SAE J1995, gross	110 kW (148 hp)
ISO 9249, DIN 6271, net	103 kW (138 hp)
Max. torque	. 595 N.m at 1 500 rpm
No. of cylinders	6
Displacement, total	5,71
Bore	98 mm
Stroke	126 mm

Electrical system

Contronics, provides advanced monitoring of machine function and important diagnostic information. High capacity and well protected electrical system. Centrally located fuse and relay box using clearly arranged printed circuit board mounted, for easy access, behind the cab. A center passage for additional electrical functions is optionally available. A master switch is standard.

Voltage	24 V
Battery	2 x 12 V
Battery capacity	140 Ah
Alternator	
Alternator rating	2 240 W

Cab

The operator's cab has easy access via a wide door opening. The cab is supported on hydraulic dampening mounts to reduce shock and vibration levels. These along with a sound absorbing lining provide low noise levels. The cab has excellent all-round visibility. The front windshield can easily slide up into the ceiling, and the lower front glass can be removed and stored in the door.

Integrated air conditioning and heating system:
The pressurised and filtered cab air is supplied
by automatically controlled fan. The air is
distributed via 13 vents.

Ergonomic operator's seat: The adjustable seat and joystick consoles move independently to accommodate the operator. The seat has nine different adjustments and a seat belt to meet any operator's comfort and safety.

Undercarriage

Drive train: One big variable axial-piston motor on the two-step Power Shift gearbox gives power to front and rear axles, both with hub reductions.

Framework: All-welded robust torsion box frame.

Wheels: Alternative single and twin wheels available.

Front axle: Robust excavator axle with automatic or operator controlled front axle oscillation lock. Oscillating ± 9° (with mudguards ± 7°).

Twin wheels	10,00-20
Max. tractive force (net)	95 kN
Travel speed, on road	20,0/30,0/35,0 km/h
Travel speed, off road	
Travel speed, creep	3,7 km/h
Min. turning radius	7,2 m

Brakes

Service brakes: servo-hydraulically manoeuvred self-adjusting wet multidiscs in 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.

Weights

Machine with 5,0 m monoblock boom, 2,45 m dipper arm, quickfit S6, 530 kg / 750 l bucket.

* Machine with 5,1 m 2-piece boom.

Total machine weight incl. dozer blade front and

outriggers rear	17 160 kg	*17 500 kg
Total machine weight	incl. dozer blade	e rear,
excl. outriggers	15 860 kg	*16 200 kg

Service refill capacities

Fuel tank	2501
Hydraulic system, total	2601
Hydraulic tank	135
Engine oil	25 ا
Engine coolant	221
Transmission	2,91
Axle housing	
Front axle	8,5 ا
Rear axle	11,01
Final drive	
Wet disc type	2,01
Drum type	1,1
- ·	

Hydraulic system

Closed-centre 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 manoeuvrability and fast movements, for optimal working result and economy.

The following working modes are included in the system:

Parking mode (P):

Parking position for optimal safety.

Travel mode (T):

Engine speed is controlled by travel pedal stroke for low fuel consumption and noise. Work equipment are not able to move at this mode for optimal safety.

Working mode (W):

Full working flow with adjustable engine rpm for normal working and best speed utilisation.

Customer mode (C):

Operator can set proper oil flow in accordance with job conditions.

Power Boost:

All digging and lifting forces are increased.

Hydraulic pumps:	
Main pump	
Typelo	w noise axial piston pump
Max. flow	240 l/min
Brake + steering pump	
Туре	low noise gear pump
Max. flow	32 l/min
Hydraulic oil cooling fan + pilot	pump
Туре	gear pump
Max. flow	47 l/min
Max. pressure	
Implements	32/36 MPa
Travel system	36 MPa
Pilot system	3.5 MPa

Slew system

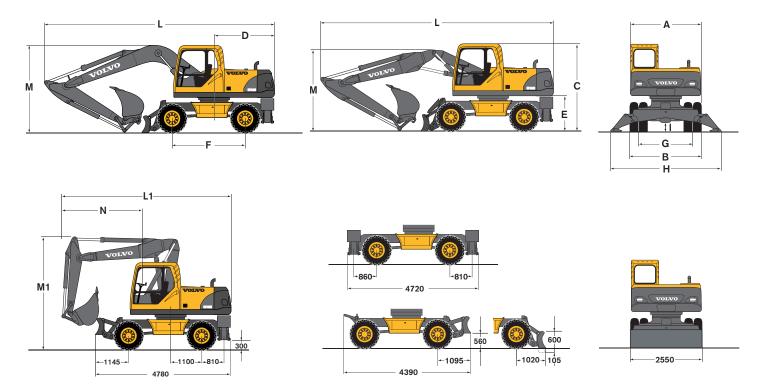
The superstructure is slewed by the means of an axial piston motor with a planetary reduction gear.

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

Max slew speed9,5 rpm

Specifications

Dimensions

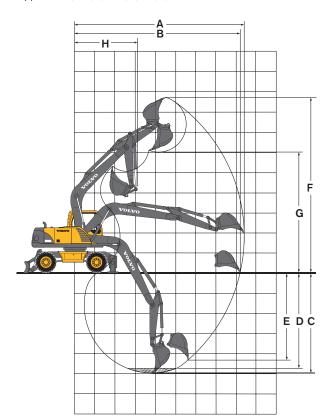


Des	cription	Unit			5,0 m			5,1 m				
				Mo	noblock	ooom		2-piece boom				
A.	Overall width of superstructure	mm	2 500					2 500				
B.	Overall width	mm			2 540					2 540		
C.	Overall height of cab	mm			3 1 1 0					3 1 1 0		
D.	Tail slew radius	mm			2 150					2 150		
E.	Counterweight clearance	mm			1 270					1 270		
F.	Wheel base	mm			2 600			2 600				
G.	Tread	mm		1 915				1 915				
H.	Outrigger width, down (front or rear)	mm		3 920				3 920				
l.	Min. ground clearance	mm			325			325				
	Dipper arm length:		2,0 m	2,45 m	2,6 m	3,1 m	3,0 m*	2,0 m	2,45 m	2,6 m	3,1 m	3,0 m*
L.	Overall length	mm	8 180	8 200	8 190	8 000	8 205	8 290	8 3 1 0	8 290	8 0 7 0	8 3 1 0
M.	Overall height of boom	mm	2 990	3 160	3 260	3 620	3 1 7 5	2 890	2 940	3 050	3 450	2 945
L1.	Overall length	mm	-				6110	6 1 7 0	6170	7 420	6 530	
M1.	Overall height of boom	mm	-	_	_	_	_	4 000	4 000	4 000	4 000	4000
N.	Front overhang	mm	-	-	_	-	-	2 920	2 980	2970	4 230	3 450

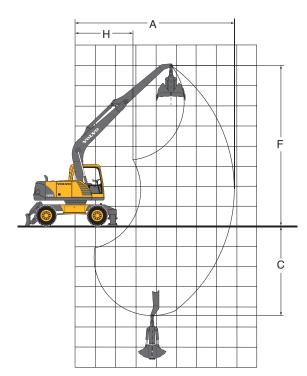
*dipper arm for grab

Working Ranges & Digging Forces

Monoblock boom $5,0\,\mathrm{m}$ and dipper arm 2.0 m, 2.45 m, 2.6 m, 3.1 m



Monoblock boom $5,0\,\mathrm{m}$ and dipper arm for grab 3,0 m



Monoblock boom	m	5,0	5,0	5,0	5,0	5,0
Dipper arm	m	2,0	2,45	2,6	3,1	3,0*
A. Max. digging reach	m	8,5	9,0	9,1	9,6	8,1
B. Max. digging reach at ground level	m	8,3	8,8	8,9	9,4	-
C. Max. digging depth	m	5,1	5,5	5,6	6,2	4,6
D. Max. digging depth (2440 mm level)	m	4,8	5,3	5,4	6,0	-
E.Max. vertical wall digging depth	m	4,3	4,6	4,7	5,1	-
F. Max. cutting height	m	8,8	9,0	9,1	9,4	8,1
G. Max. dumping height	m	6,0	6,2	6,3	6,6	-
H. Min. front slew radius	m	3,1	3,1	3,1	3,1	2,9

^{*} Dipper arm for grab

Digging forces with direct fit bucket:						
Bucket radius	m	1,26	1,26	1,26	1,26	-
Breakout force (SAE/ISO)	kN	98,5/111,5	98,5/111,5	98,5/111,5	98,5/111,5	-
Tearout force (SAE/ISO)	kN	97,3 / 98,2	85,2 / 85,7	81,7 / 82,2	72,0 / 72,3	-
Rotation angle, bucket	0	185	185	185	185	-

Max. permitted sizes for quickfit buckets:						
GP-bucket (1,5 t/m³)	I	900	825	775	700	-
GP-bucket (1,8 t/m³)	I	775	725	675	625	_

Max. permitted sizes for direct fit buckets:						
GP-bucket (1,5 t/m³)	1	925	875	825	750	-
GP-bucket (1,8 t/m³)	I	825	775	725	650	_

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

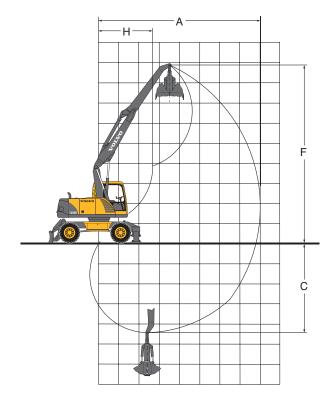
2. "Max permitted sizes" are for reference only and are not necessarily available from the factory.

Working Ranges & Digging Forces

2-piece boom 5,1 m and dipper arm 2,0 m, 2,45 m, 2,6 m, 3,1 m

F G Ė D C

2-piece boom 5,1 m and dipper arm for grab 3,0 m



2-piece boom	m	5,1	5,1	5,1	5,1	5,1
Dipper arm	m	2,0	2,45	2,6	3,1	3,0*
A. Max. digging reach	m	8,7	9,1	9,2	9,7	8,2
B. Max. digging reach at ground level	m	8,4	8,9	9,0	9,5	-
C. Max. digging depth	m	5,2	5,7	5,8	6,3	4,6
D. Max. digging depth at (2440 mm level)	m	4,9	5,3	5,5	6,0	-
E. Max. vertical wall digging depth	m	4,3	4,8	4,9	5,4	-
F. Max. cutting height	m	9,4	9,7	9,8	10,2	9,0
G. Max. dumping height	m	6,8	7,2	7,3	7,7	-
H. Min. front slew radius	m	2,6	2,8	2,8	2,9	2,7

^{*} Dipper arm for grab

Digging forces with direct fit bucket:						
Bucket radius	m	1,26	1,26	1,26	1,26	-
Breakout force (SAE/ISO)	kN	98,5/111,5	98,5/111,5	98,5/111,5	98,5/111,5	-
Tearout force (SAE/ISO)	kN	97,3 / 98,2	85,2 / 85,7	81,7/82,2	72 / 72,3	-
Rotation angle, bucket	0	185	185	185	185	_

Max. permitted sizes for quickfit buckets:						
GP-bucket (1,5 t/m³)	I	825	750	725	650	-
GP-bucket (1,8 t/m³)	I	725	675	650	575	-

Max. permitted sizes for direct fit buckets:						
GP-bucket (1,5 t/m³)		875	800	775	700	-
GP-bucket (1,8 t/m³)	I	775	700	675	600	_

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

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

Lifting Capacity

At the arm end, without bucket. Unit: 1 000 kg

For lifting capacity including bucket, simply subtract actual weight of bucket from the following values.

Across under-	Lifting hook								Rea	ach f	rom	mac	hine	cer	ntre				u = s	supp	ort ι	ıp c	l=s	upp	ort d	own
carriage	related to		1,5 m 3,0 r						3,0 m 4,5 m 6,0 m									7,	5 m	4	Max. reach					
Along under-carriage	ground level	u	d	u	d	u	5)	u	d	u	d	u	d_	u	d	u	d	u	a	u	d	u	d	u	d	Max.
5,0 m monoblock boom 2,0 m dipper arm Front dozer blade Rear outriggers	6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m					5,9 6,1	10,0*	,	*10,0* 9,0*	3,9 3,6 3,4 3,2 3,2 3,3	5,0* 6,2* 6,2 6,0 6,0 6,1*	5,0* 6,2 5,9 5,7 5,7 5,8	5,0* 6,2* 7,7* 7,8* 7,5* 6,2*	2,5 2,4 2,3 2,2 2,2	4,2 4,1 4,0 3,9 3,9	4,1 3,9 3,8 3,7 3,7	4,5* 4,9* 5,4* 5,7 5,4					2,8 2,1 1,9 1,8 1,8 2,1 2,8	3,8* 3,6* 3,2* 3,1 3,2 3,7 5,1	3,8* 3,5 3,1 3,0 3,1 3,5 4,9	3,8* 3,6* 3,7* 4,0* 4,5* 5,1 5,2*	5,7 6,5 7,0 7,1 6,8 6,2 5,1
5,0 m monoblock boom 2,45 m dipper arm Front dozer blade Rear outriggers	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m	6,0*	6,0*	6,0*	6,0*	5,7* 5,8 5,9	5,8* 10,5* 9,8*		5,8* 10,5* 9,8*	4,0 3,7 3,4 3,2 3,1 3,2	4,5* 5,7* 6,2 6,0 5,9 6,0	4,5* 5,7* 5,9 5,7 5,6 5,7	4,5* 5,7* 7,0* 7,7* 7,6* 6,7*	2,5 2,5 2,4 2,2 2,1 2,1	3,9* 4,1* 4,1 4,0 3,9 3,8	3,9* 4,1 3,9 3,8 3,7 3,7	3,9* 4,1* 4,6* 5,2* 5,6* 5,5*	1,6	2,8	2,7	3,1*	3,5* 2,4 1,9 1,7 1,6 1,6 1,8 2,3	3,5* 3,0* 2,9* 2,8 2,9 3,3 4,2	3,5* 3,0* 2,9* 2,8 2,7 2,8 3,1 4,1	3,5 3,0* 2,9* 2,9* 3,1* 3,5* 4,3* 4,9*	4,8 6,2 7,0 7,4 7,5 7,3 6,7 5,7
5,0 m monoblock boom 2,6 m dipper arm Front dozer blade Rear outriggers	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m	5,8*	5,8*	5,8*	5,8*	5,7* 5,7 5,9	10,2*	10,2	5,9* *10,2* *10,0*		4,3* 5,6* 6,2 6,0 5,9 6,0	4,3* 5,6* 5,9 5,7 5,6 5,7	4,3* 5,6* 6,8* 7,6* 7,6* 6,8*	2,5 2,5 2,4 2,2 2,1 2,1	3,8* 4,0* 4,1 4,0 3,8 3,8	3,8* 4,0* 3,9 3,8 3,7 3,6	3,8* 4,0* 4,5* 5,1* 5,5* 5,5*	1,6 1,6	2,9 2,8	2,7	3,1* 3,9*	3,2* 2,3 1,8 1,6 1,5 1,5 1,7 2,2	3,2* 2,8* 2,7* 2,7* 2,7 2,8 3,1 4,0	3,2* 2,8* 2,7* 2,7* 2,6* 2,7 3,0 3,8	3,2* 2,8* 2,7* 2,7* 2,9* 3,2* 3,9* 4,8*	5,0 6,4 7,2 7,6 7,6 7,4 6,9 5,9
5,0 m monoblock boom 3,1 m dipper arm Front dozer blade Rear outriggers	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m -4,5 m	5,1* 8,6*		5,1* 8,6*	5,1* 8,6*	7,0 5,6 5,6 5,7 6,0		6,3*		3,7 3,4 3,1 3,0 3,1 3,2	5,0* 6,2 5,9 5,8 5,9 5,3*	5,0* 5,9 5,7 5,6 5,6 5,3	5,0* 6,4* 7,3* 7,6* 7,2* 5,3*	2,6 2,5 2,4 2,2 2,1 2,0 2,0	3,3* 3,6* 4,1* 4,0 3,8 3,7 3,8	3,3* 3,6* 4,0 3,8 3,6 3,6 3,6	3,3* 3,6* 4,1* 4,8* 5,3* 5,5 5,1*	1,7 1,6 1,5 1,5	2,7* 2,9 2,8 2,7	2,7* 2,7 2,7 2,6	2,7* 3,7* 4,0* 4,3*	2,5* 2,0 1,6 1,4 1,3 1,4 1,5 1,9 2,8	2,1* 2,3* 2,5* 2,8	2,5* 2,2* 2,1* 2,1* 2,3* 2,4 2,6 3,2 4,5*	2,5* 2,2* 2,1* 2,1* 2,3* 2,5* 3,0* 4,0* 4,5*	5,7 6,9 7,7 8,0 8,1 7,9 7,4 6,5 5,0
5,0 m monoblock boom 3,0 m dipper arm for grab Front dozer blade Rear outriggers	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m -4,5 m	5,1* 9,0*		5,1* 9,0*	5,1* 9,0*	5,9* 6,2 6,3	9,2*	9,2*	5,9* 9,2* '11,1*	4,0 3,8 3,6 3,5 3,5 3,6	6,6 6,4 6,3 6,3	5,6* 6,3 6,1 6,0 6,0 5,4	5,6* 7,0* 7,9* 8,1* 7,5* 5,4*	2,9 2,8 2,7 2,6 2,5 2,4 2,4	3,8* 4,0* 4,5 4,3 4,2 4,1 4,2	3,8* 4,0* 4,3 4,1 4,0 3,9 4,0		2,0 1,9 1,9 1,8	2,9* 3,2 3,1 3,1	2,9* 3,1 3,0 3,0	2,9* 4,2* 4,5 4,7	3,0* 2,3 1,9 1,8 1,7 1,7 1,9 2,3 3,6	2,7* 2,6* 2,5* 2,7* 2,9 3,2 3,8	3,0* 2,7* 2,6* 2,5* 2,7* 2,8 3,0 3,7 5,3*	3,0* 2,7* 2,6* 2,5* 2,7* 2,9* 3,4* 4,3* 5,3*	5,6 6,8 7,6 8,0 8,0 7,8 7,3 6,4 4,6
5,0 m monoblock boom 2,0 m dipper arm Front and rear outrigger	6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m					6,0 6,2		10,9 ¹ 9,0*	*10,9* 9,0*	4,0 3,7 3,4 3,3 3,3 3,4	6,2* 7,3* 7,7 7,5*	5,0* 6,2 5,9 5,8 5,7 5,9	5,0* 6,2* 7,3* 7,8* 7,5* 6,2*	2,5 2,5 2,3 2,2 2,2	4,5* 4,9* 5,0 4,9 4,9	4,1 4,0 3,8 3,7 3,7	4,5* 4,9* 5,4* 5,7* 5,4*					2,8 2,2 1,9 1,8 1,9 2,1 2,9	3,6* 3,7* 3,9 4,0 4,6	3,8* 3,5 3,1 3,0 3,1 3,6 4,9	3,8* 3,6* 3,7* 4,0* 4,5* 5,1* 5,2*	5,7 6,5 7,0 7,1 6,8 6,2 5,1

Notes: 1. Working pressure with Power Boost = 36 MPa.
2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground.
3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

Lifting Capacity

At the arm end, without bucket. Unit: 1 000 kg For lifting capacity including bucket, simply subtract actual weight of bucket from the following values.

Across under-	Lifting hook								Rea	ach t	rom	mac	hine	cer	ntre				u = s	supp	ort ı	ıp d	d=s	upp	ort d	lown	
carriage	related		1,5 m 3,0 m								4,5 m 6,0 m							7,5 m				Max. reach					
Along under-carriage	ground level	-							-											_					Мах.		
5,0 m monoblock boom 2,45 m dipper arm Front and rear outrigger	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m	6,0*	6,0*	6,0*	6,0*	5,8* 5,9 6,0	5,8* 10,5* 9,8*	10,5	5,8* *10,5* 9,8*	4,0 3,7 3,4 3,2 3,2 3,3	4,5* 5,7* 7,0* 7,7* 7,6 6,7*	4,5* 5,7* 5,9 5,7 5,7	4,5* 5,7* 7,0* 7,7* 7,6* 6,7*	2,6 2,5 2,4 2,3 2,2 2,1	3,9* 4,1* 4,6* 5,0 4,9 4,8	3,9* 4,1 4,0 3,8 3,7 3,7	3,9* 4,1* 4,6* 5,2* 5,6* 5,5*	1,6	3,1*	2,7	3,1*	3,5* 2,4 1,9 1,7 1,6 1,7 1,9 2,4	2,9* 2,9* 3,1* 3,5* 4,1	3,5* 3,0* 2,9* 2,8 2,7 2,8 3,1 4,1	3,5* 3,0* 2,9* 2,9* 3,1* 3,5* 4,3* 4,9*	4,8 6,2 7,0 7,4 7,5 7,3 6,7 5,7	
5,0 m monoblock boom 2,6 m dipper arm Front and rear outrigger	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m	5,8*	5,8*	5,8*	5,8*	5,8 5,8 6,0		10,2	5,9* *10,2* *10,0*		4,3* 5,6* 6,8* 7,6* 7,6 6,8*	4,3* 5,6* 5,9 5,7 5,6 5,7	4,3* 5,6* 6,8* 7,6* 7,6* 6,8*	2,6 2,5 2,4 2,3 2,2 2,1	3,8* 4,0* 4,5* 5,0 4,8 4,8	3,8* 4,0* 4,0 3,8 3,7 3,6	3,8* 4,0* 4,5* 5,1* 5,5* 5,5*	1,6 1,6	3,1* 3,5	2,7	3,1* 3,9*	3,2* 2,3 1,8 1,6 1,5 1,6 1,8 2,3	2,8* 2,7* 2,7* 2,9* 3,2* 3,9*	3,2* 2,8* 2,7* 2,7* 2,6 2,7 3,0 3,8	3,2* 2,8* 2,7* 2,7* 2,9* 3,2* 3,9* 4,8*	5,0 6,4 7,2 7,6 7,6 7,4 6,9 5,9	
5,0 m monoblock boom 3,1 m dipper arm Front and rear outrigger	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m -4,5 m		5,1* 8,6*	5,1* 8,6*	5,1* 8,6*	7,1 5,8 5,7 5,8 6,1	7,3* 6,3* 9,3* 10,7* 8,1*	6,3* 9,3*	7,3* 6,3* 9,3* *10,7* 8,1*	3,8 3,4 3,2 3,1 3,1 3,3	5,0* 6,4* 7,3* 7,5 7,2* 5,3*	5,0* 6,0 5,7 5,6 5,6 5,3*	5,0* 6,4* 7,3* 7,6* 7,2* 5,3*	2,7 2,6 2,4 2,3 2,2 2,1 2,1	3,3* 3,6* 4,1* 4,8* 4,8 4,7	3,4* 3,6* 4,0 3,8 3,7 3,6 3,7	3,3* 3,6* 4,1* 4,8* 5,3* 5,5* 5,1*	1,7 1,7 1,6 1,5	2,7* 3,6 3,5 3,4	2,7* 2,8 2,7 2,6	2,7* 3,7* 4,0* 4,3*	2,5* 2,0 1,6 1,4 1,4 1,5 1,9 2,9	2,1* 2,1* 2,3* 2,5* 3,0* 4,0*	2,5* 2,2* 2,1* 2,1* 2,3* 2,4 2,7 3,2 4,5*	2,5* 2,2* 2,1* 2,1* 2,3* 2,5* 3,0* 4,0* 4,5*	5,7 6,9 7,7 8,0 8,1 7,9 7,4 6,5 5,0	
5,1m 2-piece boom 2,0 m dipper arm Front dozer blade Rear outriggers	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m					7,1* 5,9	7,1*		7,1* *10,0*	4,1 3,9 3,6 3,3 3,2 3,2	4,6* 5,3* 6,5 6,1 6,0 6,0	4,6* 5,3* 6,2 5,9 5,7 5,7	4,6* 5,3* 6,5* 7,5* 7,8* 7,3*	2,5 2,3 2,2 2,2 2,2	4,2 4,1 4,0 3,9 3,9	4,1 3,9 3,8 3,7 3,7	4,6* 5,0* 5,5* 5,6* 5,3*					4,3 2,6 2,0 1,8 1,7 1,7 2,0	4,2* 3,5 3,1	5,0* 4,2* 3,4 3,0 2,9 3,0 3,4	5,0* 4,2* 4,0* 4,0* 4,3* 4,7* 4,8*	4,3 5,8 6,7 7,1 7,2 7,0 6,4	
5,1 m 2-piece boom 2,45 m dipper arm Front dozer blade Rear outriggers	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m					6,1* 4,3* 5,7	6,1* 4,3* 9,0*	6,1* 4,3* 9,0*	4,3*	4,1 4,1* 3,9 3,6 3,3 3,1 3,1 3,2	4,2* 4,1* 4,8* 6,0* 6,2 6,0 5,9 6,0	4,2* 4,1* 4,8* 6,0* 5,9 5,7 5,6 5,7		2,6 2,5 2,3 2,2 2,1 2,1	4,1* 4,2* 4,1 4,0 3,9 3,8	4,1* 4,1 3,9 3,8 3,7 3,6	4,1* 4,2* 4,7* 5,2* 5,6* 5,4*	1,6 1,6	2,9 2,8	2,8 2,7	3,6* 4,3*	3,4 2,3 1,8 1,6 1,5 1,6 1,7 2,4	3,3* 3,2 2,8 2,7 2,8 3,2	3,9* 3,3* 3,0 2,7 2,6 2,7 3,0 4,3	3,9* 3,3* 3,2* 3,2* 3,4* 3,7* 4,5* 5,1*	5,0 6,4 7,2 7,6 7,6 7,4 6,9 5,4	
5,1m 2-piece boom 2,6 m dipper arm Front dozer blade Rear outriggers	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m					4,5* 5,7	4,5* 8,8*	4,5* 8,8*	4,5* 8,8*	4,0* 3,9* 3,6 3,3 3,1 3,1 3,1	4,0* 3,9* 4,6* 5,8* 6,2 5,9 5,9 6,0	4,0* 3,9* 4,6* 5,8* 5,9 5,7 5,6 5,7	4,6*	2,5 2,5 2,3 2,2 2,1 2,0	3,9* 4,1* 4,1 3,9 3,8 3,8	3,9* 4,1 3,9 3,8 3,7 3,6	3,9* 4,1* 4,6* 5,2* 5,5* 5,4*	1,6 1,5 1,5	2,9 2,8 2,8	2,7 2,7 2,6	4,1* 4,3* 4,1*	3,2 2,1 1,7 1,5 1,4 1,5 1,7 2,2	3,1* 2,9* 2,7 2,6 2,7 3,0	3,6* 3,1* 2,9 2,6 2,5 2,6 2,9 3,8	3,6* 3,1* 2,9* 2,9* 3,1* 3,4* 4,1* 4,7*	5,2 6,5 7,3 7,7 7,8 7,6 7,0 5,9	

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

2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground.

3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

Lifting Capacity

At the arm end, without bucket. Unit: 1 000 kg

For lifting capacity including bucket, simply subtract actual weight of bucket from the following values.

Across under-	Lifting hook						R	Reach t	from m	nachin	e cent	re				ι	ı=sup	port u	ıp (d=su	oport (down		
under- carriage	related		3,	0 m		4,5 m 6,0 m									7,	ō m		Max. reach						
Along under-carriage	ground level	-										-		<u> </u>		<u> </u>				Max.				
5,1m 2-piece boom 3,1 m dipper arm Front dozer blade Rear outriggers	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m	6,9 5,0* 5,5 5,7	7,9* 5,0* 8,0* 10,2*	7,9* 5,0* 8,0* 10,2*	7,9* 5,0* 8,0* 10,2*	4,0 3,7 3,3 3,1 3,0 3,0	4,0* 5,3* 6,2 5,9 5,8	4,0 5,3* 5,9 5,6 5,5 5,6	4,0* 5,3* 6,6* 7,4* 7,5* 6,9*	2,6 2,5 2,4 2,2 2,1 2,0 2,0	3,5* 3,7* 4,1 4,0 3,8 3,7 3,8	3,5* 3,7* 4,0 3,8 3,6 3,6 3,6	3,5* 3,7* 4,3* 4,9* 5,4* 5,5* 4,9*	1,7 1,6 1,5 1,5	2,9 2,9 2,8 2,7 2,7	2,8 2,7 2,7 2,6 2,6	3,4* 3,8* 4,1* 4,2* 3,7*	2,6 1,9 1,5 1,3 1,3 1,4 1,8	d 2,8* 2,5* 2,4* 2,4 2,4 2,7* 3,3*	2,8* 2,5* 2,4* 2,4 2,3 2,3 2,6 3,1	d 2,8* 2,5* 2,4* 2,5* 2,7* 3,2* 4,1*	5,9 7,1 7,8 8,2 8,3 8,1 7,6 6,7		
5,1 m 2-piece boom 3,0 m dipper arm for grab Front dozer blade Rear outriggers	9,0 m 7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m	4,5* 6,1 6,2	4,5* 7,9* 10,5*	4,5* 7,9* 10,5*	4,5* 7,9* 10,5*	4,3 4,0 3,7 3,5 3,5 3,5	4,6* 5,9* 6,6 6,4 6,3 6,3	4,6* 5,9* 6,3 6,1 6,0 6,0	4,6* 5,9* 7,2* 7,9* 8,0* 7,3*	2,9 2,8 2,7 2,5 2,4 2,4 2,4	3,9* 4,2* 4,5 4,3 4,2 4,1 4,1	3,9* 4,2* 4,3 4,1 4,0 3,9 4,0	3,9* 4,2* 4,8* 5,4* 5,8* 5,9* 5,2*	2,0 1,9 1,9 1,8	3,2 3,2 3,1 3,1	3,1 3,1 3,0 2,9	3,7* 4,3* 4,5* 4,7*	4,6* 3,0 2,2 1,9 1,7 1,6 1,7 1,8 2,2	4,6* 3,3* 2,9* 2,8* 2,8 2,8 3,1 3,7	4,6* 3,3* 2,9* 2,8* 2,7 2,6 2,7 3,0 3,6	4,6* 3,3* 2,9* 2,8* 2,8* 2,9* 3,1* 3,5* 4,5*	3,6 5,8 7,0 7,7 8,1 8,2 8,0 7,5 6,5		
5,1m 2-piece boom 2,0 m dipper arm Front and rear outrigger	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m	7,1*	7,1*	7,1*	7,1*	4,1 3,9 3,6 3,4 3,3 3,2	4,6* 5,3* 6,5* 7,5* 7,7 7,3*	4,6* 5,3* 6,2 5,9 5,7 5,7	4,6* 5,3* 6,5* 7,5* 7,8* 7,3*	2,5 2,4 2,3 2,2 2,2	4,6* 5,0* 5,0 4,9 4,9	4,1 4,0 3,8 3,7 3,7	4,6* 5,0* 5,5* 5,6* 5,3*					4,4 2,7 2,1 1,8 1,7 1,8 2,0	5,0* 4,2* 4,0* 3,9 3,8 3,9 4,5	5,0* 4,2* 3,4 3,0 2,9 3,0 3,4	5,0* 4,2* 4,0* 4,0* 4,3* 4,7* 4,8*	4,3 5,8 6,7 7,1 7,2 7,0 6,4		
5,1m 2-piece boom 2,45 m dipper arm Front and rear outrigger	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m	6,1* 4,3* 5,8	6,1* 4,3* 9,0*	6,1* 4,3* 9,0*	6,1* 4,3* 9,0*	4,2 4,1* 4,0 3,7 3,4 3,2 3,2 3,2	4,2* 4,1* 4,8* 6,0* 7,1* 7,7* 7,5* 6,4*	4,2* 4,1* 4,8* 6,0* 5,9 5,7 5,7 5,7	4,2* 4,1* 4,8* 6,0* 7,1* 7,7* 7,5* 6,4*	2,6 2,5 2,4 2,2 2,2 2,1	4,1* 4,2* 4,7* 5,0 4,9 4,8	4,1* 4,1 4,0 3,8 3,7 3,7	4,1* 4,2* 4,7* 5,2* 5,6* 5,4*	1,6 1,6	3,6 3,5	2,8	3,6*	3,5 2,3 1,8 1,6 1,5 1,6 1,8 2,5	3,9* 3,3* 3,2* 3,2* 3,4* 3,5 4,0 5,1*	3,9* 3,3* 3,0 2,7 2,6 2,7 3,0 4,3	3,9* 3,3* 3,2* 3,4* 3,7* 4,5* 5,1*	5,0 6,4 7,2 7,6 7,6 7,4 6,9 5,4*		
5,1 m 2-piece boom 2,6 m dipper arm Front and rear outrigger	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m	4,5* 4,5* 4,5* 4,5* 5,8 8,8* 8,8* 8,8*				4,0* 3,9* 4,0 3,7 3,4 3,2 3,1 3,2	4,0* 3,9* 4,6* 5,8* 7,0* 7,6* 7,5* 6,6*	4,0* 3,9* 4,6* 5,8* 5,9 5,7 5,6 5,7	4,0* 3,9* 4,6* 5,8* 7,0* 7,6* 7,5* 6,6*	2,6 2,5 2,4 2,2 2,1 2,1	3,9* 4,1* 4,6* 5,0 4,8 4,8	3,9* 4,1 3,9 3,8 3,7 3,6	3,9* 4,1* 4,6* 5,2* 5,5* 5,4*	1,6 1,6 1,5	3,6 3,5 3,5	2,7 2,7 2,6	4,1* 4,3* 4,1*	3,2 2,2 1,8 1,6 1,5 1,5 1,7 2,2	3,6* 3,1* 2,9* 2,9* 3,1* 3,4 3,8 4,7*	3,6* 3,1* 2,9 2,6 2,5 2,6 2,9 3,8	3,6* 3,1* 2,9* 2,9* 3,1* 3,4* 4,1* 4,7*	5,2 6,5 7,3 7,7 7,8 7,6 7,0 5,9		
5,1m 2-piece boom 3,1 m dipper arm Front and rear outrigger	7,5 m 6,0 m 4,5 m 3,0 m 1,5 m 0,0 m -1,5 m -3,0 m	7,0 5,0* 5,7 5,8	7,9* 5,0* 8,0* 10,2*	7,9* 5,0* 8,0* 10,2*	7,9* 5,0* 8,0* 10,2*	4,0* 3,8 3,4 3,2 3,1 3,1	4,0* 5,3* 6,6* 7,4* 7,5 6,9*	4,0* 5,3* 5,9 5,7 5,6 5,6	4,0* 5,3* 6,6* 7,4* 7,5* 6,9*	2,6 2,5 2,4 2,2 2,1 2,0 2,1	3,5* 3,7* 4,3* 4,9* 4,8 4,8	3,5* 3,7* 4,0 3,8 3,6 3,6 3,6	3,5* 3,7* 4,3* 4,9* 5,4* 5,5* 4,9*	1,7 1,6 1,6 1,5 1,5	3,4* 3,6 3,5 3,4 3,4	2,8 2,8 2,7 2,6 2,6	3,4* 3,8* 4,1* 4,2* 3,7*	2,6 1,9 1,5 1,4 1,3 1,3 1,5	2,8* 2,5* 2,4* 2,4* 2,5* 2,7* 3,2* 4,1*	2,8* 2,5* 2,4* 2,4* 2,3 2,3 2,6 3,1	2,8* 2,5* 2,4* 2,4* 2,5* 2,7* 3,2* 4,1*	5,9 7,1 7,8 8,2 8,3 8,1 7,6 6,7		

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

2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground.

3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

STANDARD EQUIPMENT

Turbocharged, 4 stroke Volvo diesel engine with water cooling, direct injection and charged air cooler that meets EU Step 2 emission requirements

Air intake heater

Electric engine shut-off

Fuel filter and water separator

Fuel filler pump: 50 l/min with automatic

shut-off

Aluminium core radiator

Electric / Electronic control system

Contronics - computerized monitoring and diagnostic system

Master 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

Cab and interior

bearing

<u>Undercarriage</u>

Superstructure

Oscillating front axle ±9°

Counterweight, 3 250 kg

2-circuit travel brakes

Heater

Hydraulic dampening cab mounts Adjustable operator seat and joystick control console Adjustable steering wheel Flexible antenna Hydraulic safety lock lever

2-speed power transmission plus creep

Maintenance-free propeller shafts

Service walkway with anti-slip grating

Centralised lubricating point for slew

Control joystick, with 5 switches each Cab, all-weather sound suppressed, includes:

- Ashtray
- Cup holder
- Lighter
- Door locks
- Tinted glass

- Floor mat
- Horn
- Large storage area
- Pull-up type front window
- Removable lower windshield
- Seat belt
- Safety glass
- Windshield wiper with intermittent
- Radio assembly preparation

Sun shield, front

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 VG46

Digging equipment

Attachment points for extra hydraulics Centralised lubrication point

ALTERNATIVE EQUIPMENT

Undercarriage

Twin tyres10.00-20 Single tyre 18R-19.5

Stone protection rings

Front dozer blade and rear outriggers

Rear dozer blade 4 outriggers

Grab holder

Digging equipment

Booms

5,0 m monoblock 5,1 m 2-piece boom

4,7 m monoblock offset boom

5,2 m 2-piece offset boom

Dipper arms

2,0 m

2,45 m and 2,6 m

3,1 m

3,0 m dipper arm for grab

Buckets

General Purpose bucket (GP)

Capacity	Width
1901	400 mm
2601	500 mm
3401	600 mm
4201	700 mm
500 l	800 mm
580 l	900 mm
670 l	1 000 mm
750 l	1 100 mm
8301	1 200 mm

Cab and interior

Seat:

- Fabric seat
- Fabric seat, with heater
- Fabric seat, with heater and air suspension

OPTIONAL EQUIPMENT

(Standard in certain markets)

Diesel-powered cab and engine heater with digital timer

Electric engine heater, 220V/110V

Electric / Electronic control system

Travel alarm

Rotating warning beacon

Extra work lights:

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

Undercarriage

Mudguards, front / rear

Tool box, left hand side / right hand side Rear axle with drum brake

Cruise control

Cruise control with adjustable creep speed

Cab and interior

Heater & air-conditioner, ECC Falling object guard (FOG) Cab mounted falling object protective structures (FOPS)

Rain shield, front

Sun shield, roof, rear Sunlight protection, roof (steel)

Safety net for front window Lower wiper

Stereo cassette radio Anti-vandalism kit

Hydraulic system

Hose rupture valve for dipper arm Float position on boom Hydraulic oil, ISO VG 32 Hydraulic oil, ISO VG 68 Hydraulic oil, biodegradable 46

Hydraulic equipment for:

A. Hammer/shears

B. Slope bucket/rotator C. Grab/clam shell

D. Quickfit

Hydraulic quickfit

S₆ S1

Attachments

Ripper, S6/S1 Hammer holder, S6/S1 Grab holder, S6/S1

Service

Tool kit

Hand lamp, 24 V



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