

VOLVO EXCAVATORS  
**EW160C, EW210C, EC210C**  
**RECYCLING OPTIONS**



**MORE CARE. BUILT IN.**





# VOLVO WASTE & RECYCLING SOLUTIONS



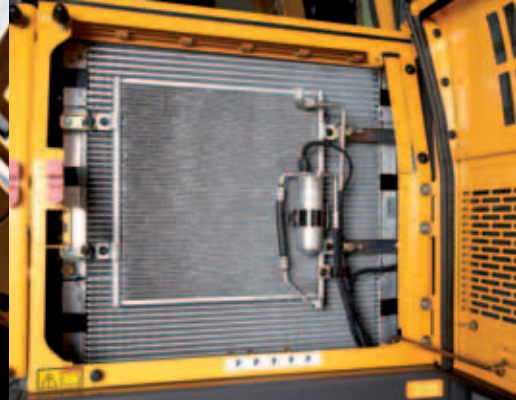




• Micro filter, removeable



• Diesel particle filter



• Reversible cooling fan with sealing

With many features specifically developed.  
Volvo excavators push and load the profusion of recycling goods with outstanding efficiency and safety.



• Pre engine cyclone filter



• Volvo central greasing



# VOLVO WASTE & RECYCLING SOLUTIONS







• High productivity and profitability



• Effective protection of both man and machine



• Quality, safety and environmental care

Sorting and loading with strength and intelligence. When you have to move, sort and load material as fast as possible, you won't find a better solution than a Volvo wheel excavator or a Volvo crawler excavator.

These uncompromising machines bring together strength, intelligence, drivability and safety.



• Immediate power for fast work cycles



• A vital product in modern waste handling



• Sorting and loading with strength and intelligence

# SPECIFICATIONS EW160C RECYCLING OPTIONS

## Engine

The next-generation Volvo diesel engine uses Volvo Advanced Combustion Technology (V-ACT) to deliver lower emissions and maintain superior performance and fuel efficiency.

The EU Stage IIIA compliant engine uses precise, high-pressure fuel injectors, turbo charger and air to air intercooler, and electronic engine controls to optimize machine performance.

<b>Engine</b>	VOLVO D6E EDE3
<b>Power out at</b>	30,0 r/s (1 800 rpm)
<b>Gross (SAE J1995)</b>	115 kW (156 metric hp)
<b>Net (ISO 9249, DIN 6271)</b>	106 kW (144 metric hp)
<b>Max. torque at 1 350 rpm</b>	730 Nm
<b>No. of cylinders</b>	6
<b>Displacement</b>	5,7 l
<b>Bore</b>	98 mm
<b>Stroke</b>	126 mm

## Electrical system

High-capacity electrical system that is well protected. Waterproof double-lock harness plugs are used to secure corrosion-free connections. The main relays and solenoid valves are shielded to prevent damage. The master switch is standard.

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

## Elevated cab

Hydraulically elevated cab, raising the operator's line-of-sight to more than 5,0 m. Set your optimum height for any task. Commanding view, safe entry and egress of cab in its lowest setting. Outstanding manoeuvrability and stability in congested recycling yards. Easy maneuvering in small, densely filled, urban or inner-city indoor yards. The 2-cylinder design utilises 2 accumulators which provides one big advantage: They absorbing shocks when travelling the machine over uneven ground. The result is excellent operator comfort.

<b>Overall height, cab at max. lifting height</b>	5,6 m
<b>Front overhang of cab, max., length to tail</b>	4,88 m
<b>Front swing radius</b>	2,62 m
<b>Tail slew radius</b>	2,15 m
<b>Total machine weights with elevated cab</b>	17,2 - 18,9 t

## Cab features

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. 2 cup holders, 2 outlets, independently adjustable joystick consoles. Excellent all-round visibility provided by maximized cab class, transparent roof hatch, 2-piece sliding door window and longstroke, easy to adjust and narrow steering column.

The liftable front windshield can easily be stored in the inside roof space and clipped in 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 seat with adjustable seat suspension, height, tilt, recline and forward-backward settings.

Adjustable, easy to read 16,3 cm (6,4") LCD color monitor provides real time information of machine functions and important diagnostic information and is switchable to rear view camera monitor.

## Sound Level:

<b>In cab, acc. to ISO 6396</b>	70 LpA dB(A)
<b>External, acc. to ISO 6395</b>	101 LwA dB(A)
(Directive 2000/14/EC)	

## Undercarriage

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

**Framework:** All-welded robust torsion box frame.

**Wheels:** Alternative single and twin wheels available.

**Front axle:** Robust excavator axle with automatic or operator controlled front axle oscillation lock. Oscillating  $\pm 9^\circ$  (with mudguards  $\pm 7^\circ$ ).

<b>Twin wheels</b>	10,00-20
<b>Max. tractive force (net)</b>	99,5 kN

<b>Travel speed:</b>	
<b>on road</b>	20/30 km/h
<b>off road</b>	5,0/7,4/8,7 km/h
<b>creep</b>	3,7 km/h

<b>Min. turning radius</b>	7,3 m
----------------------------	-------

## Brakes

**Service brakes:** servo-hydraulically manoeuvred self-adjusting wet multidiscs with two separate brake circuits.

**Parking brake:** negative wet disc in gear housing, spring applied and pressure released.

**Digging brake:** service brake with mechanical lock system.

**Security system:** The 2-circuit travel brakes are supplied with two accumulators in the event of failure in the service brake system.

## Total machine weights

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

<b>Total machine weights : with elevated cab</b>	17,2 - 18,9 t
--	---------------

<b>Dozer blade front and outriggers rear</b>	18 280 kg/18 620* kg
--	----------------------

<b>Dozer blade rear excl. outriggers</b>	17 200 kg/17 540* kg
--	----------------------

<b>Front and rear outriggers</b>	18 530 kg/18 870* kg
----------------------------------	----------------------

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

## Service refill capacities

<b>Fuel tank</b>	250 l
<b>Hydraulic system, total</b>	260 l
<b>Hydraulic tank</b>	123 l
<b>Engine oil</b>	25 l
<b>Engine coolant</b>	27 l
<b>Transmission</b>	2,5 l

## Axle differential:

<b>Front axle</b>	9,5 l
<b>Rear axle</b>	12,5 l
<b>Final drive, wet disc type</b>	4 x 2,5 l

## 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.

**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:

<b>Max. flows:</b>	
<b>Main pump</b> (type low noise axial piston pump)	243 l/min
<b>Brake + steering pump</b> (type low noise gear pump)	38,0 l/min
<b>Servo pump</b> (type low noise gear pump)	14,0 l/min
<b>Hydraulic oil cooling fan + pilot pump</b> (type gear pump)	49,0 l/min

## Max. pressure:

<b>Implements</b>	32,5/36 MPa
<b>Travel system</b>	36 MPa
<b>Pilot System</b>	3,5 MPa

## Slew system

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

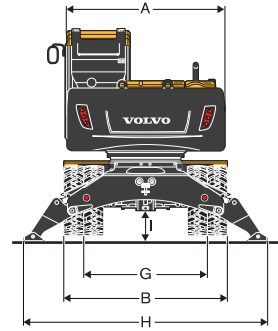
<b>Max slew speed</b>	10,0 rpm
<b>Max. slew torque</b>	49,6 kNm
<b>Front swing radius</b>	2,62 m
<b>Tail slew radius</b>	2,26 m

## Pictures Titlepage :

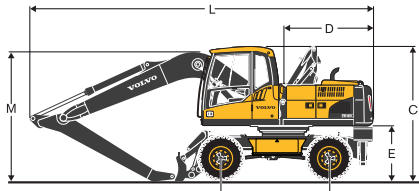
Volvo central greasing	EW160C with hydraulically elevated cab
Reversible cooling fan with sealing	
Micro filter, removeable	EC210C with hydraulically elevated cab
Pre engine cyclone filter	
Diesel particle filter	



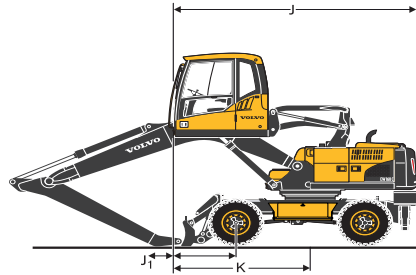
# DIMENSIONS EW160C RECYCLING OPTIONS



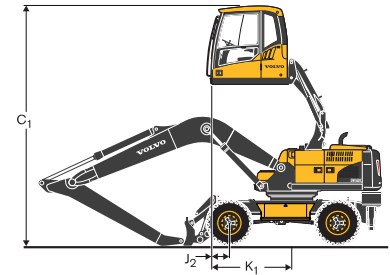
Elevated cab rear view; cab and outrigger down



Elevated cab mono boom in transport position



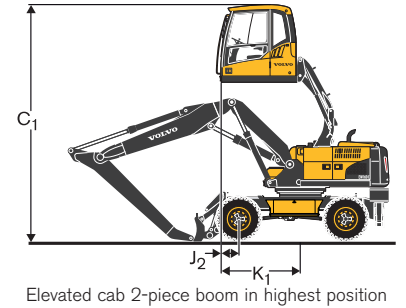
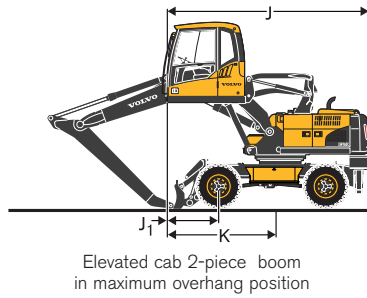
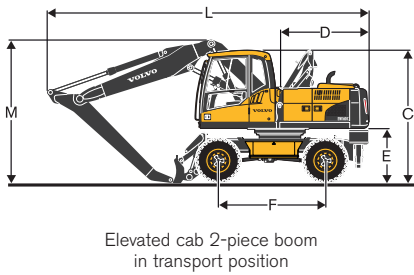
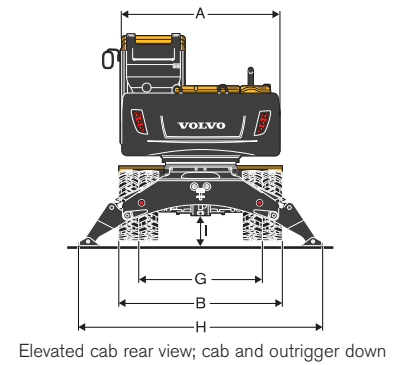
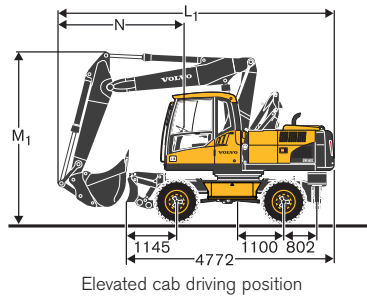
Elevated cab mono boom in maximum overhang position



Elevated cab mono boom in highest position

Description	Unit	5,0 m monoblock boom				
A. Overall width of superstructure	mm	2 490				
B. Overall width	mm	2 540				
C. Overall height of cab	mm	3 140				
C'. Overall height, cab at max. lifting height	mm	5 600				
D. Tail slew radius	mm	2 150				
E. Counterweight clearance	mm	1 270				
F. Wheel base	mm	2 600				
G. Tread	mm	1 940				
H. Outrigger width (front or rear)	mm	3 920				
I. Min. ground clearance	mm	340				
J. Front overhang of cab, max., length to tail	mm	4 880				
J <sub>1</sub> . Front overhang of cab, max.	mm	1 150				
J <sub>2</sub> . Front overhang of cab at max. lifting height	mm	670				
K. Front swing of cab at max. overhang	mm	2 650				
K <sub>1</sub> . Front swing of cab at max. lifting height	mm	2 170				
Description	Unit	5,0 m monoblock boom, arm :				
		m	2,0	2,45	2,6	3,1
Max. lifting capacity***	t	5,5	5,2	5,1	4,9	5,3
L. Overall length	mm	8 290	8 300	8 280	8 050	8 320*
M. Overall height of boom	mm	2 960	3 190	3 270	3 640	3 155*
L <sub>1</sub> Overall length	mm	-	-	-	-	-
M <sub>1</sub> Overall height of boom	mm	-	-	-	-	-
N. Front overhang	mm	-	-	-	-	-

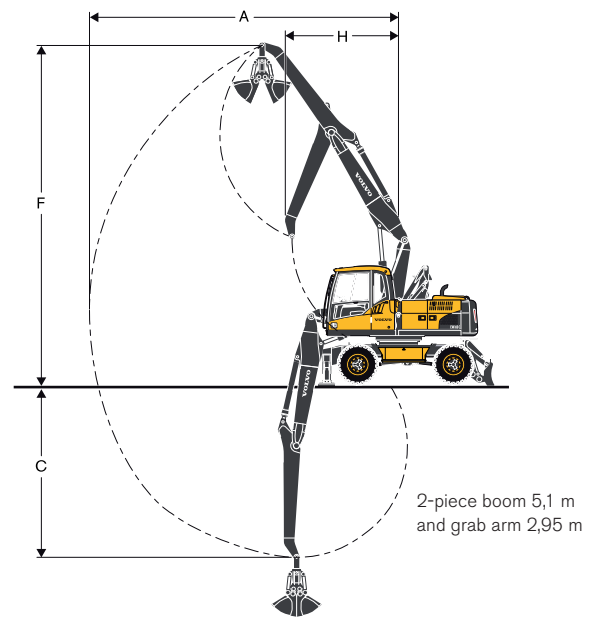
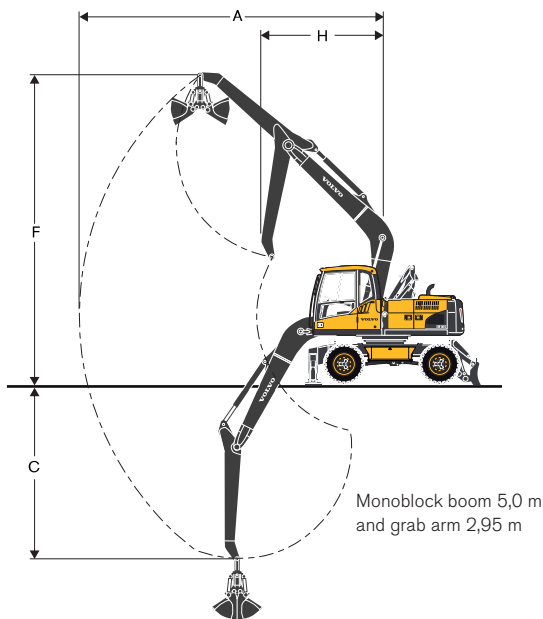
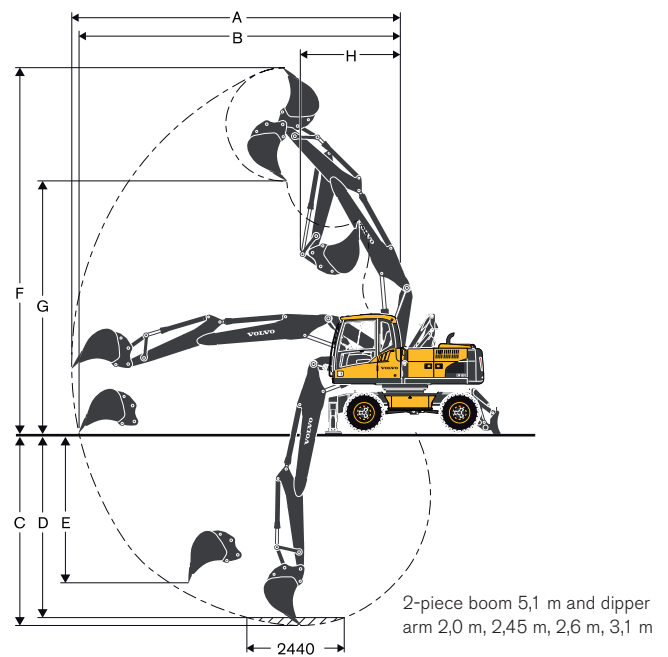
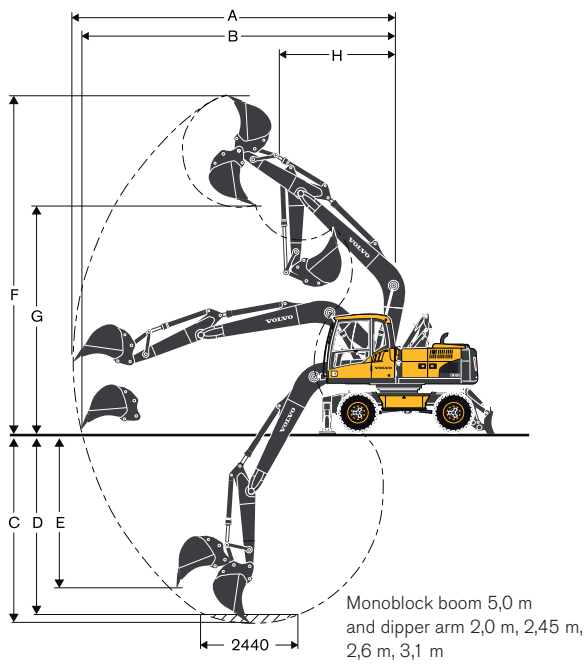
\* Grab arm, without clamshell bucket, \*\* Without bucket. \*\*\* Machine equipped with 4 outriggers



Description	Unit	5,1 m 2-piece boom				
A. Overall width of superstructure	mm	2 490				
B. Overall width	mm	2 540				
C. Overall height of cab	mm	3 140				
C1. Overall height, cab at max. lifting height	mm	5 600				
D. Tail slew radius	mm	2 150				
E. Counterweight clearance	mm	1 270				
F. Wheel base	mm	2 600				
G. Tread	mm	1 940				
H. Outrigger width (front or rear)	mm	3 920				
I. Min. ground clearance	mm	340				
J. Front overhang of cab, max., length to tail	mm	4 880				
J1. Front overhang of cab, max.	mm	1 150				
J2. Front overhang of cab at max. lifting height	mm	670				
K. Front swing of cab at max. overhang	mm	2 650				
K1. Front swing of cab at max. lifting height	mm	2 170				
Description	Unit	5,1 m 2-piece boom, arm :				
		m	2,0	2,45	2,6	3,1
Max. lifting capacity***	t	5,0	5,3	5,2	5,0	5,4
L. Overall length	mm	8 410	8 420	8 400	8 210	8 410*
M. Overall height of boom	mm	2 765	2 885	2 975	3 390	2 960*
L1. Overall length	mm	6 415	6 455	6 465	6 655**	6 110*
M1. Overall height of boom	mm	3 960	3 995	4 000	4 000**	3 950*
N. Front overhang	mm	3 125	3 165	3 175	3 360**	2 820*



# WORKING RANGES & DIGGING FORCES EW160C RECYCLING OPTIONS



Description	Unit	5,0 m monoblock boom, arm :					5,1 m 2-piece boom, arm :				
	m	2,0	2,45	2,6	3,1	2,95*	2,0	2,45	2,6	3,1	2,95*
A. Max. digging reach	mm	8590	9010	9160	9630	8050	8730	9160	9300	9780	8190
B. Max. digging reach on ground	mm	8390	8820	8970	9460	-	8530	8970	9120	9610	-
C. Max. digging depth	mm	5140	5590	5740	6240	4590	5120	5570	5710	6220	4580
D. Max. digging depth (2440 mm level)	mm	4910	5390	5550	6070	-	5010	5470	5620	6120	-
E. Max. vertical wall digging depth	mm	4270	4690	4840	5310	-	3970	4440	4590	5070	-
F. Max. cutting height	mm	8850	9110	9200	9480	8090	9670	10000	10110	10480	9000
G. Max. dumping height	mm	5950	6190	6240	6560	-	6670	7000	7110	7480	-
H. Min. front slew radius	mm	3140	3150	3160	3190	3270	2690	2820	2860	3000	3010

\*Grab arm







## Lifting capacity EW160C

At the arm end, without bucket and quick fit. Unit: 1000 kg.

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

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up / d = support down)																Max. m							
		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		Max. reach													
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d								
5,0 m monoblock boom, 2,45 m dipper arm, front and rear outriggers, counterweight 3 200 kg	7,5 m																	*3,6	*3,6	*3,6	*3,6	4,8			
	6,0 m									2,7	*3,9	*3,9	*3,9					2,6	*3,1	*3,1	*3,1	6,2			
	4,5 m							4,2	*4,6	*4,6	*4,6	2,7	*4,1	*4,1	*4,1			2,1	*2,9	*2,9	*2,9	7,0			
	3,0 m							3,9	*5,8	*5,8	*5,8	2,6	*4,7	4,1	*4,7			1,8	*3,0	*3,0	*3,0	7,4			
	1,5 m							3,6	*7,0	6,2	*7,0	2,4	*5,2	4,0	*5,2	1,7	*3,2	2,9	*3,2	1,7	*3,1	2,9	*3,1	7,5	
	0,0 m					*5,8	*5,8	*5,8	*5,8	3,4	*7,7	6,0	*7,7	2,3	5,2	3,9	*5,6			1,8	*3,5	2,9	*3,5	7,3	
	-1,5 m	*6,0	*6,0	*6,0	*6,0	6,1	*10,6	*10,6	*10,6	3,4	*7,7	5,9	*7,7	2,3	5,1	3,9	*5,6			2,0	*4,3	3,3	*4,3	6,7	
	-3,0 m					6,3	*9,8	*9,8	*9,8	3,4	*6,8	6,0	*6,8							2,5	*5,0	4,3	*5,0	5,7	
-4,5 m																									
5,0 m monoblock boom, 2,6 m dipper arm, front and rear outriggers, counterweight 3 200 kg	7,5 m																		*3,3	*3,3	*3,3	*3,3	5,0		
	6,0 m											2,7	*3,9	*3,9	*3,9				2,5	*2,9	*2,9	*2,9	6,4		
	4,5 m							4,2	*4,4	*4,4	*4,4	2,7	*4,0	*4,0	*4,0				2,0	*2,7	*2,7	*2,7	7,2		
	3,0 m							3,9	*5,6	*5,6	*5,6	2,6	*4,5	4,1	*4,5	1,8	*3,2	2,9	*3,2	1,8	*2,8	*2,8	*2,8	7,6	
	1,5 m							3,6	*6,9	6,2	*6,9	2,4	*5,1	4,0	*5,1	1,7	3,8	2,9	*4,0	1,7	*2,9	2,8	*2,9	7,6	
	0,0 m					*6,0	*6,0	*6,0	*6,0	3,4	*7,6	5,9	*7,6	2,3	5,2	3,9	*5,6			1,7	*3,3	2,8	*3,3	7,4	
	-1,5 m	*5,8	*5,8	*5,8	*5,8	6,1	*10,2	*10,2	*10,2	3,3	*7,7	5,9	*7,7	2,3	5,1	3,8	*5,6			1,9	*4,0	3,2	*4,0	6,9	
	-3,0 m					6,2	*10,1	*10,1	*10,1	3,4	*6,9	5,9	*6,9							2,4	*4,9	4,0	*4,9	5,9	
-4,5 m																									
5,0 m monoblock boom, 3,1 m dipper arm, front and rear outriggers, counterweight 3 200 kg	7,5 m																			*2,6	*2,6	*2,6	*2,6	5,7	
	6,0 m											2,8	*3,4	*3,4	*3,4				2,1	*2,3	*2,3	*2,3	6,9		
	4,5 m											2,7	*3,6	*3,6	*3,6	1,8	*2,8	*2,8	*2,8	1,8	*2,2	*2,2	*2,2	7,7	
	3,0 m					7,4	*7,4	*7,4	*7,4	4,0	*5,1	*5,1	*5,1	2,6	*4,2	4,2	*4,2	1,8	*3,8	2,9	*3,8	1,6	*2,2	*2,2	8,0
	1,5 m									3,6	*6,5	6,2	*6,5	2,4	*4,9	4,0	*4,9	1,7	3,8	2,8	*4,1	1,5	*2,3	*2,3	8,1
	0,0 m					6,1	*6,4	*6,4	*6,4	3,4	*7,4	6,0	*7,4	2,3	5,2	3,9	*5,4	1,7	3,7	2,8	*4,3	1,5	*2,6	2,6	7,9
	-1,5 m	*5,2	*5,2	*5,2	*5,2	6,0	*9,3	*9,3	*9,3	3,3	*7,7	5,8	*7,7	2,2	5,1	3,8	*5,6			1,7	*3,0	2,8	*3,0	7,4	
	-3,0 m	*8,7	*8,7	*8,7	*8,7	6,1	*10,8	*10,8	*10,8	3,3	*7,2	5,9	*7,2	2,2	5,1	3,8	*5,2			2,0	*4,0	3,4	*4,0	6,5	
-4,5 m					6,3	8,2*	8,2*	8,2*	3,5	5,4*	5,4	5,4*							3,1	*4,6	4,6	*4,6	4,9		
5,0 m monoblock boom, 2,95 m grab arm, front and rear outriggers, counterweight 3 200 kg	7,5 m																			*3,1	*3,1	*3,1	*3,1	5,6	
	6,0 m											3,0	*3,8	*3,8	*3,8				2,5	*2,7	*2,7	*2,7	6,8		
	4,5 m											3,0	*4,1	*4,1	*4,1	2,1	*3,0	*3,0	*3,0	2,1	*2,6	*2,6	*2,6	7,6	
	3,0 m							4,3	*5,6	*5,6	*5,6	2,9	*4,7	4,5	*4,7	2,1	4,1	3,2	*4,2	1,9	*2,6	*2,6	*2,6	8,0	
	1,5 m							4,0	*7,0	6,6	*7,0	2,7	*5,3	4,3	*5,3	2,0	4,1	3,1	*4,5	1,8	*2,7	*2,7	*2,7	8,0	
	0,0 m					*5,9	*5,9	*5,9	*5,9	3,8	*7,9	6,3	*7,9	2,6	5,5	4,2	*5,8	2,0	4,0	3,1	*4,7	1,9	*3,0	2,9	7,8
	-1,5 m	*5,1	*5,1	*5,1	*5,1	6,5	*9,3	*9,3	*9,3	3,7	*8,1	6,2	*8,1	2,6	5,4	4,1	*6,0			2,0	*3,4	3,2	*3,4	7,3	
	-3,0 m	*9,0	*9,0	*9,0	*9,0	6,6	*11,1	*11,1	*11,1	3,7	*7,6	6,3	*7,6	2,6	*5,4	4,2	*5,4			2,4	*4,4	3,8	*4,4	6,4	
-4,5 m									3,9	*5,4	*5,4	*5,4							3,8	*5,3	*5,3	*5,3	4,6		
5,0 m monoblock boom, 2,0 m dipper arm, rear dozer blade, counterweight 3 200 kg	7,5 m																								
	6,0 m																			2,8	3,1	*3,9	*3,9	5,7	
	4,5 m											3,9	4,5	*5,1	*5,1	2,5	2,8	4,3	*4,5						
	3,0 m									3,6	4,1	*6,3	*6,3	2,4	2,7	4,2	*5,0			1,9	2,2	3,3	*3,7	7,0	
	1,5 m									3,3	3,9	6,2	*7,4	2,3	2,6	4,0	*5,5			1,8	2,1	3,2	*4,0	7,1	
	0,0 m									3,2	3,7	6,0	*7,9	2,2	2,5	3,9	*5,7			1,8	2,1	3,3	*4,6	6,8	
	-1,5 m					5,9	7,0	*10,9	*10,9	3,2	3,7	6,0	*7,6	2,2	2,5	3,9	*5,5			2,1	2,4	3,8	*5,2	6,2	
	-3,0 m					6,0	7,1	*9,0	*9,0	3,3	3,8	6,1	*6,3							2,8	3,3	5,1	*5,2	5,1	
-4,5 m																									
5,0 m monoblock boom, 2,45 m dipper arm, rear dozer blade, counterweight 3 200 kg	7,5 m																			*3,6	*3,6	*3,6	*3,6	4,8	
	6,0 m												2,5	2,9	*3,9	*3,9				2,4	2,7	*3,1	*3,1	6,2	
	4,5 m									4,0	4,5	*4,6	*4,6	2,5	2,9	*4,1	*4,1			1,9	2,2	*2,9	*2,9	7,0	
	3,0 m									3,6	4,2	*5,8	*5,8	2,4	2,7	4,1	*4,7			1,7	2,0	*3,0	*3,0	7,4	
	1,5 m									3,3	3,9	6,2	*7,0	2,2	2,6	4,0	*5,2	1,6	1,9	2,9	*3,2	1,6	1,9	2,9	7,5
	0,0 m					5,8	*5,8	*5,8	*5,8	3,2	3,7	6,0	*7,7	2,1	2,5	3,9	*5,6			1,6	1,9	3,0	*3,5	7,3	
	-1,5 m	*6,0	*6,0	*6,0	*6,0	5,7	6,8	*10,6	*10,6	3,1	3,7	5,9	*7,7	2,1	2,5	3,9	*5,6			1,8	2,1	3,3	*4,3	6,7	
	-3,0 m					5,8	6,9	*9,8	*9,8	3,2	3,7	6,0	*6,8							2,3	2,7	4,3	*5,0	5,7	
-4,5 m																									

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



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

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

## Lifting capacity EW160C

At the arm end, without bucket and quick fit. Unit: 1000 kg.

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

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up / d = support down)																Max. m								
		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		Max. reach														
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d									
5,0 m monoblock boom, 2,6 m dipper arm, rear dozer blade, counterweight 3 200 kg	7,5 m																*3,3	*3,3	*3,3	*3,3	5,0					
	6,0 m																2,3	2,6	*2,9	*2,9	6,4					
	4,5 m																1,8	2,1	*2,7	*2,7	7,2					
	3,0 m								4,0	*4,4	*4,4	*4,4	2,5	2,9	*4,0	*4,0	1,6	1,9	2,9	*3,2	1,6	1,9	*2,8	*2,8	7,6	
	1,5 m								3,3	3,9	6,2	*6,9	2,2	2,6	4,0	*5,1	1,6	1,8	2,9	*4,0	1,5	1,8	2,8	*2,9	7,6	
	0,0 m					5,6	*6,0	*6,0	*6,0	3,1	3,7	6,0	*7,6	2,1	2,5	3,9	*5,6					1,6	1,8	2,8	*3,3	7,4
	-1,5 m	*5,8	*5,8	*5,8	*5,8	5,6	6,8	*10,2	*10,2	3,1	3,6	5,9	*7,7	2,1	2,4	3,8	*5,6					1,7	2,0	3,2	*4,0	6,9
	-3,0 m					5,8	6,9	*10,1	*10,1	3,1	3,7	6,0	*6,9									2,2	2,6	4,0	*4,9	5,9
5,0 m monoblock boom, 3,1 m dipper arm, rear dozer blade, counterweight 3 200 kg	7,5 m																									
	6,0 m																									
	4,5 m																									
	3,0 m					6,9	*7,4	*7,4	*7,4	3,7	4,3	*5,1	*5,1	2,4	2,8	4,2	*4,2	1,7	1,9	2,9	*3,8	1,4	1,7	*2,2	*2,2	8,0
	1,5 m									3,4	3,9	6,2	*6,5	2,2	2,6	4,0	*4,9	1,6	1,8	2,8	4,1	1,4	1,6	*2,3	*2,3	8,1
	0,0 m					5,6	*6,4	*6,4	*6,4	3,1	3,7	6,0	*7,4	2,1	2,5	3,9	*5,4	1,5	1,8	2,8	4,0	1,4	1,6	2,6	*2,6	7,9
	-1,5 m	*5,2	*5,2	*5,2	*5,2	5,6	6,7	*9,3	*9,3	3,0	3,6	5,9	*7,7	2,0	2,4	3,8	*5,6					1,5	1,8	2,8	*3,0	7,4
	-3,0 m	*8,7	*8,7	*8,7	*8,7	5,6	6,8	*10,8	*10,8	3,1	3,6	5,9	*7,2	2,1	2,4	3,8	*5,2					1,9	2,2	3,4	*4,0	6,5
5,0 m monoblock boom, 2,95 m grab arm, rear dozer blade, counterweight 3 200 kg	7,5 m																									
	6,0 m																									
	4,5 m																									
	3,0 m									4,0	4,6	*5,6	*5,6	2,7	3,0	4,5	*4,7	1,9	2,2	3,2	*4,2	1,8	2,0	*2,6	*2,6	8,0
	1,5 m									3,7	4,3	6,6	*7,0	2,6	2,9	4,3	*5,3	1,9	2,1	3,1	4,4	1,7	1,9	*2,7	*2,7	8,0
	0,0 m					5,9	*5,9	*5,9	*5,9	3,5	4,1	6,3	*7,9	2,4	2,8	4,2	*5,8	1,8	2,1	3,1	4,3	1,7	2,0	2,9	*3,0	7,8
	-1,5 m	*5,1	*5,1	*5,1	*5,1	6,1	7,2	*9,3	*9,3	3,4	4,0	6,2	*8,1	2,4	2,7	4,1	6,0					1,9	2,1	3,2	*3,4	7,3
	-3,0 m	*9,0	*9,0	*9,0	*9,0	6,2	7,3	*11,1	*11,1	3,5	4,0	6,3	*7,6	2,4	2,8	4,2	*5,4					2,3	2,6	3,8	*4,4	6,4
5,1 m 2-piece boom, 2,0 m dipper arm, front dozer blade, rear outriggers, counterweight 3 200 kg	7,5 m																									
	6,0 m																									
	4,5 m									4,3	*4,6	*4,6	*4,6													
	3,0 m					*7,1	*7,1	*7,1	*7,1	4,1	*5,3	*5,3	*5,3	2,6	4,6	4,3	*4,6					2,2	3,8	3,6	*4,1	6,7
	1,5 m									3,8	*6,5	*6,5	*6,5	2,5	4,4	4,2	*5,0					1,9	3,4	3,2	*4,1	7,1
	0,0 m									3,5	6,5	6,2	*7,5	2,4	4,2	4,0	*5,5					1,8	3,2	3,1	*4,3	7,2
	-1,5 m									3,4	6,4	6,0	*7,8	2,3	4,2	3,9	*5,7					1,9	3,4	3,2	*4,7	7,0
	-3,0 m					6,2	*10,1	*10,1	*10,1	3,4	6,4	6,0	*7,3	2,3	4,2	3,9	*5,3					2,1	3,8	3,6	*4,8	6,4
5,1 m 2-piece boom, 2,45 m dipper arm, front dozer blade, rear outriggers, counterweight 3 200 kg	7,5 m																									
	6,0 m																									
	4,5 m																									
	3,0 m																									
	1,5 m																									
	0,0 m																									
	-1,5 m																									
	-3,0 m																									
5,1 m 2-piece boom, 2,6 m dipper arm, front dozer blade, rear outriggers, counterweight 3 200 kg	7,5 m																									
	6,0 m																									
	4,5 m																									
	3,0 m																									
	1,5 m																									
	0,0 m																									
	-1,5 m																									
	-3,0 m																									



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



## Lifting capacity EW160C

At the arm end, without bucket and quick fit. Unit: 1000 kg.

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

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up / d = support down)																Max. m										
		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		Max. reach																
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d											
5,1 m 2-piece boom, 3,1 m dipper arm, front dozer blade, rear outriggers, counterweight 3 200 kg	7,5 m																2,8	*2,8	*2,8	*2,8	5,9							
	6,0 m								2,8	*3,5	*3,5	*3,5					2,0	*2,5	*2,5	*2,5	7,1							
	4,5 m						*4,1	*4,1	*4,1	*4,1	2,7	*3,8	*3,8	*3,8	1,8	3,2	3,0	*3,4	1,7	*2,4	*2,4	*2,4	7,8					
	3,0 m						3,9	*5,3	*5,3	*5,3	2,5	*4,3	4,2	*4,3	1,8	3,1	2,9	*3,9	1,5	*2,4	*2,4	*2,4	8,2					
	1,5 m						3,6	6,6	6,2	*6,6	2,4	4,2	4,0	*5,0	1,7	3,0	2,9	*4,1	1,4	*2,5	2,5	*2,5	8,3					
	0,0 m					*5,1	*5,1	*5,1	*5,1	3,3	6,3	6,0	*7,4	2,2	4,1	3,9	*5,4	1,6	3,0	2,8	*4,3	1,5	2,7	2,5	*2,8	8,1		
	-1,5 m					5,9	*8,0	*8,0	*8,0	3,2	6,2	5,9	*7,6	2,2	4,0	3,8	*5,5	1,6	2,9	2,8	*3,7	1,6	2,9	2,7	*3,2	7,6		
	-3,0 m					6,0	*10,2	*10,2	*10,2	3,3	6,3	5,9	*7,0	2,2	4,1	3,8	*5,0					1,9	3,5	3,3	*4,1	6,7		
-4,5 m																												
5,1 m 2-piece boom, 2,95 m grab arm, front dozer blade, rear outriggers, counterweight 3 200 kg	7,5 m																											
	6,0 m										3,0	*4,0	*4,0	*4,0								3,1	*3,4	*3,4	*3,4	5,8		
	4,5 m								4,5	*4,6	*4,6	*4,6	3,0	*4,2	*4,2	*4,2	2,1	3,4	3,3	*3,8	2,0	*2,9	*2,9	*2,9	7,7			
	3,0 m								4,2	*5,9	*5,9	*5,9	2,9	4,7	4,5	*4,8	2,0	3,4	3,2	*4,3	1,8	*2,8	*2,8	*2,8	8,1			
	1,5 m								3,9	7,0	6,6	*7,2	2,7	4,6	4,3	*5,4	2,0	3,3	3,2	*4,5	1,8	2,9	2,8	*2,9	8,2			
	0,0 m								3,7	6,7	6,4	*7,9	2,6	4,4	4,2	*5,8	1,9	3,3	3,1	*4,7	1,8	3,0	2,9	*3,2	8,0			
	-1,5 m					6,4	*7,9	*7,9	*7,9	3,6	6,6	6,3	*8,0	2,5	4,4	4,2	*5,9					1,9	3,3	3,1	*3,6	7,5		
	-3,0 m					6,5	*10,5	*10,5	*10,5	3,7	6,7	6,3	*7,3	2,5	4,4	4,2	*5,3					2,3	4,0	3,8	*4,5	6,5		
-4,5 m																												
5,1 m 2-piece boom, 2,0 m dipper arm, front and rear outriggers, counterweight 3 200 kg	7,5 m																											
	6,0 m								4,3	*4,6	*4,6	*4,6											4,6	*5,1	*5,1	*5,1	4,3	
	4,5 m								4,1	*5,3	*5,3	*5,3	2,6	*4,6	4,3	*4,6							2,2	*4,1	3,6	*4,1	6,7	
	3,0 m								3,8	*6,5	6,5	*6,5	2,5	*5,0	4,1	*5,0							1,9	*4,1	3,2	*4,1	7,1	
	1,5 m								3,5	*7,5	6,1	*7,5	2,4	5,3	4,0	*5,5							1,8	4,0	3,1	*4,3	7,2	
	0,0 m								3,4	*7,8	6,0	*7,8	2,3	5,2	3,9	*5,7							1,9	4,2	3,2	*4,7	7,0	
	-1,5 m					6,2	*10,1	*10,1	*10,1	3,4	*7,3	6,0	*7,3	2,3	5,2	3,9	*5,3						2,2	4,8	3,6	*4,8	6,4	
	-3,0 m																											
-4,5 m																												
5,1 m 2-piece boom, 2,45 m dipper arm, front and rear outrigger, counterweight 3 200 kg	7,5 m																											
	6,0 m								*4,3	*4,3	*4,3	*4,3											3,6	*3,9	*3,9	*3,9	5,0	
	4,5 m								*4,1	*4,1	*4,1	*4,1	2,7	*4,1	*4,1	*4,1							2,4	*3,4	*3,4	*3,4	6,4	
	3,0 m								4,2	*4,8	*4,8	*4,8	2,7	*4,3	*4,3	*4,3							2,0	*3,2	3,2	*3,2	7,2	
	1,5 m								3,9	*6,0	*6,0	*6,0	2,5	*4,8	4,2	*4,8	1,8	*3,7	2,9	*3,7	1,7	*3,2	2,9	*3,2	*3,2	7,6		
	0,0 m								3,5	*7,2	6,1	*7,2	2,4	*5,3	4,0	*5,3	1,7	3,8	2,9	*4,4	1,7	*3,4	2,8	*3,4	*3,4	7,6		
	-1,5 m					6,1	*9,1	*9,1	*9,1	3,3	*7,5	5,9	*7,5	2,3	5,2	3,8	*5,5						1,9	4,3	3,2	*4,5	6,9	
	-3,0 m									3,4	*6,5	6,0	*6,5										2,6	*5,1	4,5	*5,1	5,4	
-4,5 m																												
5,1 m 2-piece boom, 2,6 m dipper arm, front and rear outriggers, counterweight 3 200 kg	7,5 m																											
	6,0 m								*4,1	*4,1	*4,1	*4,1											3,4	*3,6	*3,6	*3,6	5,2	
	4,5 m								*4,0	*4,0	*4,0	*4,0	2,7	*4,0	*4,0	*4,0							2,3	*3,2	*3,2	*3,2	6,5	
	3,0 m								4,2	*4,7	*4,7	*4,7	2,7	*4,1	*4,1	*4,1							1,9	*3,0	*3,0	*3,0	7,3	
	1,5 m								3,9	*5,9	*5,9	*5,9	2,5	*4,7	4,2	*4,7	1,8	3,8	2,9	*4,1	1,7	*3,0	2,8	*3,0	*3,0	7,7		
	0,0 m								3,5	*7,0	6,2	*7,0	2,4	*5,2	4,0	*5,2	1,7	3,8	2,9	*4,3	1,6	*3,2	2,7	*3,2	*3,2	7,8		
	-1,5 m					*4,6	*4,6	*4,6	*4,6	3,4	*7,6	5,9	*7,6	2,3	5,2	3,9	*5,5	1,7	3,7	2,8	*4,2	1,6	*3,5	2,8	*3,5	7,6		
	-3,0 m					6,0	*8,8	*8,8	*8,8	3,3	*7,5	5,9	*7,5	2,2	5,1	3,8	*5,5						1,8	4,1	3,1	*4,1	7,0	
-4,5 m									3,4	*6,6	6,0	*6,6										2,4	*4,7	4,0	*4,7	5,8		
5,1 m 2-piece boom, 3,1 m dipper arm, front and rear outriggers, counterweight 3 200 kg	7,5 m																											
	6,0 m													2,8	*3,5	*3,5	*3,5							2,8	*2,8	*2,8	*2,8	5,9
	4,5 m													2,8	*3,5	*3,5	*3,5							2,0	*2,5	*2,5	*2,5	7,1
	3,0 m								*4,1	*4,1	*4,1	*4,1	2,7	*3,8	*3,8	*3,8	1,8	*3,4	3,0	*3,4	1,7	*2,4	*2,4	*2,4	*2,4	7,8		
	1,5 m								4,0	*5,3	*5,3	*5,3	2,6	*4,3	4,2	*4,3	1,8	3,9	2,9	*3,9	1,5	*2,4	*2,4	*2,4	*2,4	8,2		
	0,0 m								3,6	*6,6	6,2	*6,6	2,4	*5,0	4,0	*5,0	1,7	3,8	2,8	*4,1	1,4	*2,5	2,4	*2,5	*2,5	8,3		
	-1,5 m					*5,1	*5,1	*5,1	*5,1	3,4	*7,4	5,9	*7,4	2,3	5,2	3,8	*5,4	1,6	3,7	2,8	*4,3	1,5	*2,8	2,5	*2,8	8,1		
	-3,0 m					5,9	*8,0	*8,0	*8,0	3,3	*7,6	5,8	*7,6	2,2	5,1	3,8	*5,5	1,6	3,7	2,8	*3,7	1,6	*3,2	2,7	*3,2	7,6		
-4,5 m					6,0	*10,2	*10,2	*10,2	3,3	*7,0	5,9	*7,0	2,2	*5,0	3,8	*5,0						1,9	*4,1	3,3	*4,1	6,7		

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



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

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

## Lifting capacity EW160C

At the arm end, without bucket and quick fit. Unit: 1000 kg.

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

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up / d = support down)																Max. m											
		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		Max. reach																	
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d												
5,1 m 2-piece boom, 2,95 m grab arm, front and rear outriggers, counterweight 3 200 kg	7,5 m																	3,1	*3,4	*3,4	*3,4	5,8							
	6,0 m								3,0	*4,0	*4,0	*4,0						2,4	*3,0	*3,0	*3,0	7,0							
	4,5 m							4,5	*4,6	*4,6	*4,6	3,0	*4,2	*4,2	*4,2	2,1	*3,8	3,3	*3,8	2,0	*2,9	*2,9	*2,9	7,7					
	3,0 m							4,3	*5,9	*5,9	*5,9	2,9	*4,8	4,5	*4,8	2,1	4,1	3,2	*4,3	1,8	*2,8	*2,8	*2,8	8,1					
	1,5 m							3,9	*7,2	6,6	*7,2	2,7	*5,4	4,3	*5,4	2,0	4,1	3,1	*4,5	1,8	*2,9	2,8	*2,9	8,2					
	0,0 m							3,7	*7,9	6,3	*7,9	2,6	5,5	4,2	*5,8	2,0	4,0	3,1	*4,7	1,8	*3,2	2,8	*3,2	8,0					
	-1,5 m				6,5	*7,9	*7,9	*7,9	3,7	*8,0	6,2	*8,0	2,5	5,4	4,1	*5,9					2,0	*3,6	3,1	*3,6	7,5				
	-3,0 m				6,6	*10,5	*10,5	*10,5	3,7	*7,3	6,3	*7,3	2,6	*5,3	4,2	*5,3					2,3	*4,5	3,7	*4,5	6,5				
-4,5 m																													
5,1 m 2-piece boom, 2,0 m dipper arm, rear dozer blade counterweight 3 200 kg	7,5 m																			4,3	4,9	*5,1	*5,1	4,3					
	6,0 m							4,1	*4,6	*4,6	*4,6									2,6	3,0	*4,3	*4,3	5,8					
	4,5 m							3,9	4,4	*5,3	*5,3	2,5	2,8	4,3	*4,6					2,0	2,3	3,6	*4,1	6,7					
	3,0 m							3,6	4,1	6,5	*6,5	2,3	2,7	4,1	*5,0					1,8	2,1	3,2	*4,1	7,1					
	1,5 m							3,3	3,8	6,1	*7,5	2,2	2,6	4,0	*5,5					1,7	2,0	3,1	*4,3	7,2					
	0,0 m							3,2	3,7	6,0	*7,8	2,1	2,5	3,9	*5,7					1,8	2,0	3,2	4,6	7,0					
	-1,5 m				5,8	6,9	*10,1	*10,1	3,2	3,7	6,0	*7,3	2,1	2,5	3,9	*5,3					2,0	2,3	3,6	*4,8	6,4				
	-3,0 m																												
-4,5 m																													
5,1 m 2-piece boom, 2,45 m dipper arm, rear dozer blade, counterweight 3 200 kg	7,5 m							4,1	*4,3	*4,3	*4,3									3,4	3,9	*3,9	*3,9	5,0					
	6,0 m							*4,1	*4,1	*4,1	*4,1	2,5	2,9	*4,1	*4,1					2,3	2,6	*3,4	*3,4	6,4					
	4,5 m							3,9	4,5	*4,8	*4,8	2,5	2,8	*4,3	*4,3					1,8	2,1	3,2	*3,2	7,2					
	3,0 m							3,6	4,2	*6,0	*6,0	2,4	2,7	4,1	*4,8	1,6	1,9	2,9	*3,7	1,6	1,9	2,9	*3,2	7,6					
	1,5 m							3,3	3,8	6,1	*7,2	2,2	2,6	4,0	*5,3	1,6	1,8	2,9	4,1	1,5	1,8	2,8	*3,4	7,6					
	0,0 m							3,1	3,7	5,9	*7,7	2,1	2,5	3,9	*5,6					1,6	1,8	2,9	*3,8	7,4					
	-1,5 m				5,6	6,8	*9,1	*9,1	3,1	3,6	5,9	*7,5	2,1	2,4	3,8	*5,5					1,8	2,0	3,2	*4,5	6,9				
	-3,0 m								3,2	3,7	6,0	*6,5									2,4	2,9	4,5	*5,1	5,4				
-4,5 m																													
5,1 m 2-piece boom, 2,6 m dipper arm, rear dozer blade, counterweight 3 200 kg	7,5 m							*4,1	*4,1	*4,1	*4,1									3,2	*3,6	*3,6	*3,6	5,2					
	6,0 m							*4,0	*4,0	*4,0	*4,0	2,6	2,9	*4,0	*4,0					2,2	2,5	*3,2	*3,2	6,5					
	4,5 m							4,0	4,5	*4,7	*4,7	2,5	2,9	*4,1	*4,1					1,7	2,0	*3,0	*3,0	7,3					
	3,0 m							3,6	4,2	*5,9	*5,9	2,3	2,7	4,2	*4,7	1,6	1,9	2,9	*4,1	1,5	1,8	2,8	*3,0	7,7					
	1,5 m							3,3	3,8	6,2	*7,0	2,2	2,6	4,0	*5,2	1,6	1,8	2,8	4,1	1,5	1,7	2,7	*3,2	7,8					
	0,0 m								*4,6	*4,6	*4,6	*4,6	3,1	3,6	5,9	*7,6	2,1	2,4	3,9	*5,5	1,5	1,8	2,8	*3,5	7,6				
	-1,5 m				5,6	6,7	*8,8	*8,8	3,1	3,6	5,9	*7,5	2,1	2,4	3,8	*5,5					1,7	2,0	3,1	*4,1	7,0				
	-3,0 m								3,1	3,7	6,0	*6,6									2,2	2,6	4,0	*4,7	5,8				
-4,5 m																													
5,1 m 2-piece boom, 3,1 m dipper arm, rear dozer blade, counterweight 3 200 kg	7,5 m																			2,6	*2,8	*2,8	*2,8	5,9					
	6,0 m											2,6	3,0	*3,5	*3,5					1,9	2,2	*2,5	*2,5	7,1					
	4,5 m							4,0	*4,1	*4,1	*4,1	2,5	2,9	*3,8	*3,8	1,7	2,0	3,0	*3,4	1,5	1,8	*2,4	*2,4	7,8					
	3,0 m							3,7	4,3	*5,3	*5,3	2,4	2,7	4,2	*4,3	1,6	1,9	2,9	*3,9	1,4	1,6	*2,4	*2,4	8,2					
	1,5 m							3,3	3,9	6,2	*6,6	2,2	2,6	4,0	*5,0	1,6	1,8	2,8	4,1	1,3	1,5	2,4	*2,5	8,3					
	0,0 m								*5,1	*5,1	*5,1	*5,1	3,1	3,6	5,9	*7,4	2,1	2,4	3,8	*5,4	1,5	1,8	2,8	4,0	1,3	1,6	2,5	2,8	8,1
	-1,5 m				5,5	6,6	*8,0	*8,0	3,0	3,5	5,8	*7,6	2,0	2,4	3,8	*5,5	1,5	1,7	2,8	*3,7	1,5	1,7	2,7	*3,2	7,6				
	-3,0 m				5,6	6,7	*10,2	*10,2	3,0	3,6	5,9	*7,0	2,0	2,4	3,8	*5,0					1,8	2,1	3,3	*4,1	6,7				
-4,5 m																													
5,1 m 2-piece boom, 2,95 m grab arm, rear dozer blade, counterweight 3 200 kg	7,5 m																			3,0	3,3	*3,4	*3,4	5,8					
	6,0 m											2,9	3,2	*4,0	*4,0					2,2	2,5	*3,0	*3,0	7,0					
	4,5 m							4,3	*4,6	*4,6	*4,6	2,8	3,2	*4,2	*4,2	2,0	2,2	3,3	*3,8	1,9	2,1	*2,9	*2,9	7,7					
	3,0 m							4,0	4,6	*5,9	*5,9	2,7	3,0	4,5	*4,8	1,9	2,2	3,2	*4,3	1,7	1,9	*2,8	*2,8	8,1					
	1,5 m							3,7	4,2	6,6	*7,2	2,5	2,9	4,3	*5,4	1,9	2,1	3,1	4,4	1,6	1,9	2,8	*2,9	8,2					
	0,0 m								3,5	4,0	6,3	*7,9	2,4	2,8	4,2	*5,8	1,8	2,1	3,1	4,3	1,7	1,9	2,8	*3,2	8,0				
	-1,5 m				6,0	7,2	*7,9	*7,9	3,4	4,0	6,2	*8,0	2,4	2,7	4,1	*5,9					1,8	2,1	3,1	*3,6	7,5				
	-3,0 m				6,1	7,3	*10,5	*10,5	3,4	4,0	6,3	*7,3	2,4	2,7	4,2	*5,3					2,2	2,5	3,7	*4,5	6,5				
-4,5 m																													

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

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

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



# STANDARD EQUIPMENT EW160C RECYCLING OPTIONS

## Engine

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

Intake air pre-heater  
Electric engine shut-off  
Fuel filter and water separator  
Fuel filler pump 50 l/min with auto stop  
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  
Rear view camera  
CareTrack via GSM  
CareTrack via satellite

## Undercarriage

Front dozer blade and rear outriggers  
2-speed power transmission plus creep speed  
Oscillating front axle  $\pm 9^\circ$   
2-circuit travel brakes  
Maintenance-free propeller shafts  
Travel speed 30 km

## Superstructure

Counterweight, 3 200 kg  
Service walkway with anti-slip grating  
Centralised lubricating point for slew bearing

## Digging equipment

Attachment points for extra hydraulics  
Centralised lubrication point

## Cab and interior

Volvo Care Cab with fixed PC roof hatch  
Heater  
Hydraulic dampening cab mounts  
Adjustable operator seat and joystick control console  
Adjustable steering wheel  
Flexible antenna  
Hydraulic safety lock lever  
Control joystick, with 5 switches each

Cab, all-weather sound suppressed, includes:

- Cup holder
  - Door locks
  - Safety glass, light tinted
  - Floor mat
  - Horn
  - Large storage area
  - Pull-up type front window
  - Removable lower windshield
  - Retractable seat belt
  - Windshield wiper with washer and intermittent feature
  - AM/FM stereo with CD player and MP3 input
- Sun shield, front  
Master ignition key

## Hydraulic system

Load sensing hydraulic system  
Cylinder cushioning  
Cylinder contamination seals  
Return filter of full flow type 2 000 h exchange interval  
Pressure relief system (servo accumulator)  
Thermostatically controlled cooling fan  
Hose rupture valve for boom  
Long-life-hydraulic oil 46

# OPTIONAL EQUIPMENT

## Engine

Block heater, 240 V/120 V  
Water separator with heater  
Diesel coolant heater with digital timer  
Reversible cooling fan  
Micro mesh doors - hinged type  
Sealing of cooler compartment area  
Dust net for radiator and oil cooler (on cooling compartment)  
Diesel particle filter  
Engine pre-cleaner

## Electric

Auto-Lubrication system  
Travel alarm  
Rotating beacon  
Extra work lights :  
- Service walkway 1 and counterweight 1  
- Boom-mounted 2  
- Cab front 2  
Electric centre passage  
Anti-theft system  
Cruise control  
Tilting and rotating attachment preparation

## Hydraulic system

Hose rupture valve for dipper arm  
Boom float function  
Hydraulic oil, biodegradable 32  
Hydraulic oil, biodegradable 46  
Long-life-hydraulic oil 32  
Long-life-hydraulic oil 68  
Hydraulic equipment for:  
- Hammer & shears  
- Slope bucket/rotator

- Grab/clam shell
- Quick fit
- Flow control
- Flow and pressure control
- Proportional control X1 or X3

## Cab and interior

### 'Elevated Cab'

### Hydraulically elevated cab, maximum lifting height 5,6 m (Max. travel speed 20 km)

Volvo Care Cab with openable PC roof hatch  
Heater & air-conditioner, automatic  
Proportional control joystick  
Falling object guard (FOG)  
Rain shield, front  
Sun shield, roof & rear  
Safety net for front window  
Lower wiper  
Anti-vandalism kit  
Radio & cassette  
Ashtray  
Lighter  
Seat:  
- Fabric seat, with heater  
- Fabric seat, with heater and air suspension

## Undercarriage

Twin tyres 10.00 - 20/11.00 - 20  
Single tyres 18R - 19,5/600/40-22,5  
Sparewheel  
Solid tyres  
Stone protection rings  
Rear dozer blade  
Front outriggers and rear dozer blade

4 outriggers  
Grab holder  
Mudguards, front/rear  
Tool box, left hand side/right hand side  
Wide axle 2,75 m

## Digging equipment

Boom height limiter system  
Auto-Lubrication system  
Booms  
5,0 m monoblock  
5,1 m 2-piece boom  
Dipper arms  
2,0 m, 2,45 m, 2,6 m, 3,1 m  
2,95 m grab arm

## Hydraulic quick fit

S1 system  
S6 system  
Universal system

## Attachments

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

## Service

Tool kit, daily maintenance  
Tool kit, full scale

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

# SPECIFICATIONS EW210C RECYCLING OPTIONS

## Engine

The next-generation Volvo diesel engine uses Volvo Advanced Combustion Technology (V-ACT) to deliver lower emissions and maintain superior performance and fuel efficiency.

The EU Stage IIIA compliant engine uses precise, high-pressure fuel injectors, turbo charger, air to air intercooler and electronic engine controls to optimize machine performance.

<b>Engine</b>	Volvo D6E EEE3
<b>Power out at</b>	31,6 r/s (1 900 rpm)
<b>Gross (SAE J1995)</b>	127 kW (173 metric hp)
<b>Net (ISO 9249, DIN 6271)</b>	120 kW (163 metric hp)
<b>Max. torque at 1400 rpm</b>	730 Nm
<b>No. of cylinders</b>	6
<b>Displacement</b>	5,7 l
<b>Bore</b>	98 mm
<b>Stroke</b>	126 mm

## Electrical system

High-capacity electrical system that is well protected. Waterproof double-lock harness plugs are used to secure corrosion-free connections. The main relays and solenoid valves are shielded to prevent damage. The master switch is standard.

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

## Elevated cab

Hydraulically elevated cab, raising the operator's line-of-sight to more than 5,0 m. Set your optimum height for any task. Commanding view, safe entry and egress of cab in its lowest setting. Outstanding maneuverability and stability in congested recycling yards. Easy maneuvering in small, densely filled, urban or inner-city indoor yards. The 2-cylinder design utilises 2 accumulators which provides one big advantage: They absorbing shocks when travelling the machine over uneven ground. The result is excellent operator comfort.

<b>Overall height, cab at max. lifting height</b>	5,7 m
<b>Front overhang of cab, max., length to tail</b>	5,82 m
<b>Front swing radius</b>	3,08 m
<b>Tail slew radius</b>	2,75 m
<b>Total machine weights with elevated cab</b>	20,75 - 23,05 t

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:

<b>In cab, acc. to ISO 6396</b>	70 LpA dB(A)
<b>External, acc. to ISO 6395</b>	103 LwA dB(A)

(Directive 2000/14/EC)

## Undercarriage

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

**Framework:** All-welded robust torsion box frame

**Wheels:** Alternative single and twin wheels available.

**Front axle:** Robust excavator axle with automatic or operator controlled front axle oscillation lock. Oscillating  $\pm 9^\circ$  (with mudguards  $\pm 7^\circ$ ).

<b>Twin wheels</b>	10,00-20
<b>Max. tractive force (net)</b>	115,4 kN

**Travel speed:**

<b>on road</b>	20,0/25,0/30,0 km/h
<b>off road</b>	5,0/6,4/7,4 km/h
<b>creep</b>	3,2 km/h
<b>Min. turning radius</b>	8,15 m

## Brakes

**Service brakes:** servo-hydraulically manoeuvred self-adjusting wet multidiscs with two separate brake circuits.

**Parking brake:** negative wet disc in gear housing, spring applied and pressure released.

**Digging brake:** service brake with mechanical lock system.

**Security system:** The 2-circuit travel brakes are supplied with two accumulators in the event of failure in the service brake system.

## Total machine weights

Machine with 2,45 m dipper arm, quick fit S1, 630 kg/830 l bucket.

**Dozer blade front and outriggers rear**  
22 010\* kg / 22 710\*\* kg / 22 110\*\*\* kg

**Dozer blade rear excl. outriggers**  
20 750\* kg / 21 450\*\* kg / 20 850\*\*\* kg

**Front and rear outriggers**  
22 350\* kg / 23 050\*\* kg / 22 500\*\*\* kg

\*Machine with 5,6 m monoblock boom;  
CWT 4 500 kg (axle load <12 t)

\*\*Machine with 5,5 m 2-piece boom;  
CWT 4 500 kg (axle load >12 t)

\*\*\*Machine with 5,5 m 2-piece boom;  
CWT 3 900 kg (axle load <12 t)

## Service refill capacities

<b>Fuel tank</b>	335 l
<b>Hydraulic system, total</b>	330 l
<b>Hydraulic tank</b>	165 l
<b>Engine oil</b>	25 l
<b>Engine coolant</b>	27 l
<b>Transmission</b>	2,5 l
<b>Axle differential:</b>	
<b>Front axle</b>	9,5 l
<b>Rear axle</b>	14,5 l
<b>Final drive, wet disc type</b>	4 x 2,5 l

## 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.

**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:

<b>Max. flows:</b>	
<b>Main pump</b>	399 l/min (type low noise axial piston pump)
<b>Brake + steering pump</b>	36,1 l/min (type low noise gear pump)
<b>Servo pump</b>	14,0 l/min (type low noise gear pump)
<b>Hydraulic oil cooling fan + pilot pump</b>	46,0 l/min (type gear pump)

**Max. pressure:**

<b>Implements</b>	32,5/36 MPa
<b>Travel system</b>	36 MPa
<b>Pilot System</b>	3,5 MPa

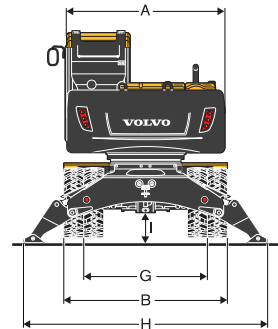
## Slew system

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

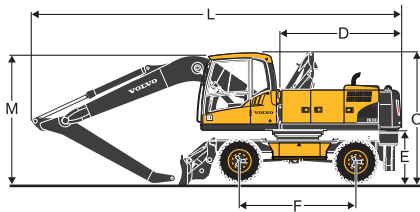
Automatic slew holding brake and anti-rebound valve are standard.

<b>Max. slew speed</b>	9,0 rpm
<b>Max. slew torque</b>	76,6 kNm

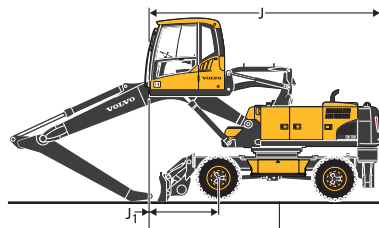
# DIMENSIONS EW210C RECYCLING OPTIONS



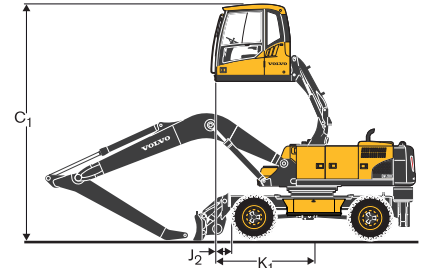
Elevated cab rear view; cab and outrigger down



Elevated cab mono boom in transport position



Elevated cab mono boom in maximum overhang position

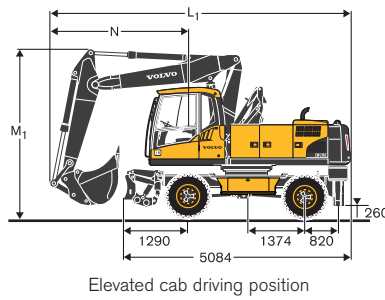


Elevated cab mono boom in highest position

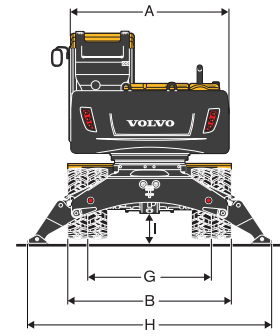
Description	Unit	5,6 m			
		Monoblock boom			
A. Overall width of superstructure	mm	2 490			
B. Overall width	mm	2 510			
C. Overall height of cab	mm	3 170			
C1. Overall height, cab at max. lifting height	mm	5 670			
D. Tail slew radius	mm	2 750			
E. Counterweight clearance	mm	1 290			
F. Wheel base	mm	2 750			
G. Tread	mm	1 912			
H. Outrigger width (front or rear)	mm	3 995			
I. Min. ground clearance	mm	380			
J. Front overhang of cab, max., length to tail	mm	5 820			
J1. Front overhang of cab, max.	mm	1 700			
J2. Front overhang of cab at max. lifting height	mm	1 050			
K. Front swing of cab at max. overhang	mm	3 080			
K1. Front swing of cab at max. lifting height	mm	2 410			
Description	Unit	5,6 m Monoblock boom			
		m	2,45	2,6	2,9
Max. lifting capacity*	t	8,6	8,5	8,5	8,8
L. Overall length	mm	9 355	9 375	9 370	9 350*
M. Overall height of boom	mm	3 075	3 180	3 450	3 650*
L1. Overall length	mm	-	-	-	-
M1. Overall height of boom	mm	-	-	-	-
N. Front overhang	mm	-	-	-	-

\* grab arm, without clam shell bucket

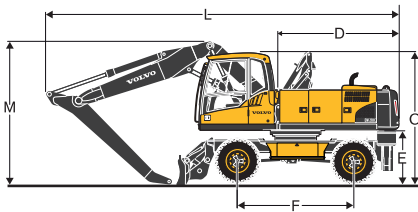




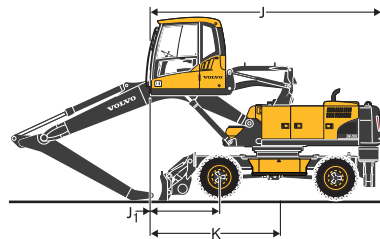
Elevated cab driving position



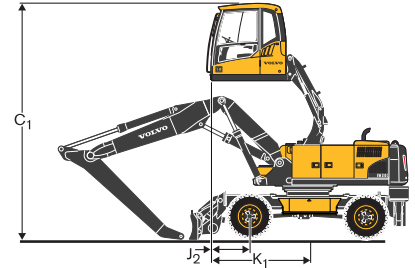
Elevated cab rear view; cab and outrigger down



Elevated cab 2-piece boom in transport position



Elevated cab 2-piece boom in maximum overhang position

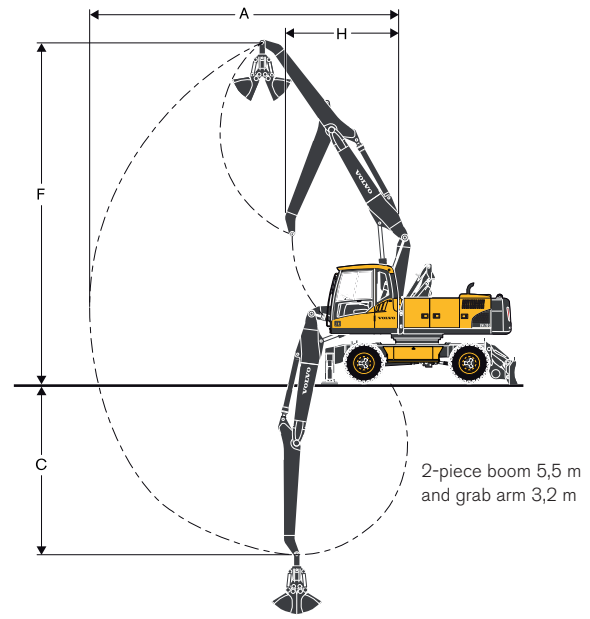
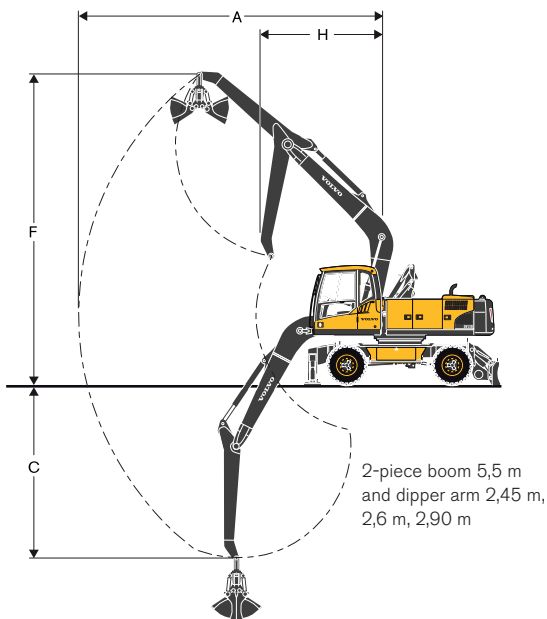
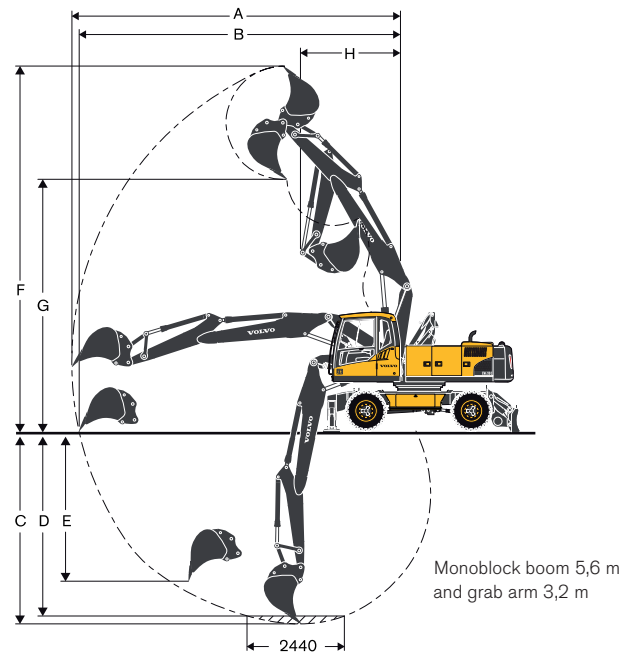
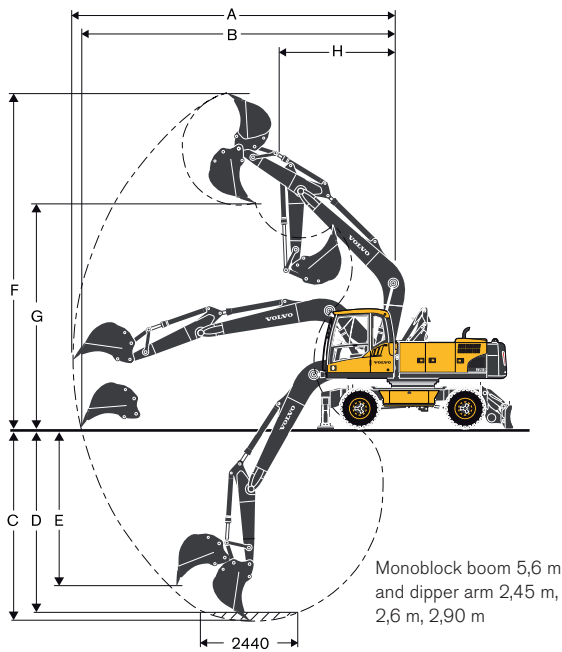


Elevated cab 2-piece boom in highest position

Description	Unit	5,5 m 2-piece boom			
A. Overall width of superstructure	mm	2 490			
B. Overall width	mm	2 510			
C. Overall height of cab	mm	3 170			
C1. Overall height, cab at max. lifting height	mm	5 670			
D. Tail slew radius	mm	2 750			
E. Counterweight clearance	mm	1 290			
F. Wheel base	mm	2 750			
G. Tread	mm	1 912			
H. Outrigger width (front or rear)	mm	3 995			
I. Min. ground clearance	mm	380			
J. Front overhang of cab, max., length to tail	mm	5 820			
J1. Front overhang of cab, max.	mm	1 700			
J2. Front overhang of cab at max. lifting height	mm	1 050			
K. Front swing of cab at max. overhang	mm	3 080			
K1. Front swing of cab at max. lifting height	mm	2 410			
Description	Unit	5,5 m 2-piece boom			
		m	2,45	2,6	2,9
Max. lifting capacity*	t	8,4	8,4	8,4	8,7
L. Overall length	mm	9 280	9 285	9 360	9 135*
M. Overall height of boom	mm	3 035	3 065	3 045	3 480*
L1. Overall length	mm	6 835	6 720	6 735	6 900*
M1. Overall height of boom	mm	4 000	4 000	4 000	4 000*
N. Front overhang	mm	3 130	3 015	3 030	3 160*

\* grab arm, without clam shell bucket

# WORKING RANGES & DIGGING FORCES EW210C RECYCLING OPTIONS





Description	Unit	5,6 m monoblock boom, arm :				5,5 m 2-piece boom, arm :			
	m	2,45	2,6	2,90	3,2*	2,45	2,6	2,90	3,2*
A. Max. digging reach	mm	9 640	9 770	10 050	8 860	9 640	9 780	10 060	8 850
B. Max. digging reach on ground	mm	9 450	9 590	9 870	-	9 450	9 590	9 880	-
C. Max. digging depth	mm	6 180	6 330	6 630	5 350	6 050	6 200	6 500	5 240
D. Max. digging depth (2440 mm level)	mm	5 970	6 130	6 440	-	5 920	6 100	6 405	-
E. Max. vertical wall digging depth	mm	4 390	4 530	4 810	-	4 580	4 720	5 000	-
F. Max. cutting height	mm	9 370	9 440	9 590	8 630	10 670	10 790	11 020	9 870
G. Max. dumping height	mm	6 570	6 640	6 780	-	7 530	7 640	7 870	-
H. Min. front slew radius	mm	3 590	3 580	3 560	4 090	2 630	2 675	2 770	3 590

\*Grab arm

## Lifting capacity EW210C

At the arm end, without bucket and quick fit. Unit: 1000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. Counterweight 4 500 kg.

 Across under-carriage   Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up / d = support down)														Max m										
		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		Max. reach														
		u	d	u	d	u	d	u	d	u	d	u	d	u	d		u	d								
5,6 m mono-block boom, 2,45 m dipper arm, 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					7,8	11,9*	11,9*	11,9*	4,3	8,1	7,0	11,4*	2,9	5,3	4,7	8,4*					2,3	4,1	3,6	6,5*	7,3
	-3,0 m					8,0	13,7*	13,7*	13,7*	4,4	8,2	7,1	10,0*	3,0	5,4	4,7	7,3*					2,8	5,0	4,4	6,7*	6,4
-4,5 m									4,6	6,9*	6,9*	6,9*									4,3	6,3*	6,3*	6,3*	4,8	
5,6 m mono-block boom, 2,6 m dipper arm, 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					7,8	11,6*	11,6*	11,6*	4,3	8,1	7,1	11,5*	2,9	5,3	4,6	8,4*					2,2	3,9	3,5	6,4*	7,5
	-3,0 m					8,0	14,2*	14,1	14,2*	4,4	8,2	7,1	10,2*	3,0	5,4	4,7	7,5*					2,7	4,8	4,2	6,6*	6,6
-4,5 m									4,6	7,4*	7,3	7,4*									4,0	6,3*	6,3	6,3*	5,0	
5,6 m mono-block boom, 2,9 m dipper arm, 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	7,6*	7,6*	7,6*	7,6*	7,7	11,1*	11,1*	11,1*	4,3	8,1	7,0	11,6*	2,9	5,3	4,6	8,5*	2,2	3,9	3,4	6,5*	2,1	3,7	3,3	5,7*	7,8
	-3,0 m	12,1*	12,1*	12,1*	12,1*	7,9	15,0*	14,0	15,0*	4,3	8,2	7,1	10,6	2,9	5,3	4,7	7,8*					2,5	4,4	3,9	6,4*	6,9
-4,5 m					8,2	11,4*	11,4*	11,4*	4,5	8,2*	7,3	8,2*									3,5	6,3	5,5	6,3*	5,5	
5,6 m mono-block boom, 3,2 m 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					7,9	9,7*	9,7*	9,7*	4,5	8,3	7,2	11,9*	3,1	5,5	4,8	8,8*	2,4	4,1	3,6	6,9*	2,1	3,7	3,2	6,1*	8,2
	-3,0 m	10,6*	10,6*	10,6*	10,6*	8,0	15,6*	14,1	15,6*	4,5	8,4	7,2	11,1*	3,1	5,5	4,8	8,2*					2,5	4,2	3,7	6,2*	7,4
-4,5 m					8,3	12,6*	12,6*	12,6*	4,7	8,5	7,4	9,1*	3,3	5,7	5,0	6,3*					3,2	5,6	4,9	6,1*	6,1	
5,6 m mono-block boom, 2,45 m dipper arm, Front and 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					7,9	11,9*	11,9*	11,9*	4,4	10,6	7,2	11,4*	3,0	6,7	4,8	8,4*					2,3	5,1	3,7	6,5*	7,3
	-3,0 m					8,1*	13,7*	13,7*	13,7*	4,4	10,0*	7,3	10,0*	3,0	6,8	4,8	7,3*					2,8	6,2	4,5	6,7*	6,4
-4,5 m									4,7	6,9*	6,9*	6,9*									4,3	6,3*	6,3*	6,3*	4,8	
5,6 m mono-block boom, 2,6 m dipper arm, Front and 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					7,9	11,6*	11,6*	11,6*	4,4	10,6	7,2	11,5*	3,0	6,7	4,8	8,4*					2,2	4,9	3,5	6,4*	7,5
	-3,0 m					8,0	14,2*	14,2*	14,2*	4,4	10,2*	7,3	10,2*	3,0	6,8	4,8	7,5*					2,7	6,0	4,3	6,6*	6,6
-4,5 m									4,6	7,4*	7,4*	7,4*									4,0	6,3*	6,3*	6,3*	5,0	

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

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



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



## Lifting capacity EW210C

At the arm end, without bucket and quick fit. Unit: 1000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. Counterweight 4 500 kg.

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up / d = support down)																					
		1,5 m		3,0 m				4,5 m				6,0 m				7,5 m				Max. reach			
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max	m		
5,6 m mono-block boom, 2,9 m dipper arm, Front and rear outriggers	9,0 m																						
	7,5 m																		3,6	4,1*	4,1*	4,1*	6,2
	6,0 m																		2,7	3,8*	3,8*	3,8*	7,4
	4,5 m																		3,7	6,0*	5,5	6,0*	8,1
	3,0 m																		2,6	5,3	3,9	5,6*	8,4
	1,5 m																		2,5	5,1	3,8	6,0*	8,5
	0,0 m																		2,3	5,0	3,7	6,4*	8,5
	-1,5 m	7,6*	7,6*	7,6*	7,6*	6,5*	6,5*	6,5*	6,5*	4,7	10,9*	7,6	10,9*	3,2	7,0	5,0	7,9*	2,3	4,9	3,6	6,7*	8,3	
	-3,0 m	12,1*	12,1*	12,1*	12,1*	8,0	15,0*	14,3	15,0*	4,4	10,6*	7,2	10,6*	3,0	6,7	4,8	8,5*	2,2	4,9	3,5	6,5*	8,3	
-4,5 m					8,3	11,4*	11,4*	11,4*	4,6	8,2*	7,4	8,2*										5,5	
5,6 m mono-block boom, 3,2 m arm for grab, Front and 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																						
	-3,0 m	10,6*	10,6*	10,6*	10,6*	8,0	9,7*	9,7*	9,7*	4,7	10,9	7,5	11,9*	3,3	7,0	5,1	8,6*	2,5	5,1	3,8	6,9*	8,7	
-4,5 m					8,4	12,6*	12,6*	12,6*	4,7	9,1*	7,6	9,1*	3,3	6,3*	5,1	6,3*						6,1	
5,6 m mono-block boom, 2,45 m dipper arm, Rear dozer blade	9,0 m																						
	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																							
5,6 m mono-block boom, 2,6 m dipper arm, Rear dozer blade	9,0 m																						
	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																							
5,6 m mono-block boom, 2,9 m dipper arm, Rear dozer blade	9,0 m																						
	7,5 m																						
	6,0 m																						
	4,5 m																						
	3,0 m																						
	1,5 m																						
	0,0 m																						
	-1,5 m	7,6*	7,6*	7,6*	7,6*	7,3	8,1	11,1*	11,1*	4,0	4,4	6,9	11,6*	2,7	3,0	4,5	8,5*	2,0	2,2	3,3	6,4	7,8	
	-3,0 m	12,1*	12,1*	12,1*	12,1*	7,4	8,2	13,7	15,0*	4,1	4,5	6,9	10,6	2,8	3,0	4,6	7,8*						
-4,5 m					7,7	8,5	11,4*	11,4*	4,3	4,6	7,1	8,2*										5,5	
5,6 m mono-block boom, 3,2 m arm for grab, Rear dozer blade	9,0 m																						
	7,5 m																						
	6,0 m																						
	4,5 m																						
	3,0 m																						
	1,5 m																						
	0,0 m																						
	-1,5 m																						
	-3,0 m	10,6*	10,6*	10,6*	10,6*	7,6	8,3	13,8	15,7*	4,3	4,6	7,1	11,1*	3,0	3,2	4,7	8,2*						7,4
-4,5 m					7,8	8,6	12,6*	12,6*	4,4	4,8	7,2	9,1*	3,1	3,3	4,9	6,3*						6,1	

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 EW210C

At the arm end, without bucket and quick fit. Unit: 1000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. Counterweight 4 500 kg.

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up / d = support down)																					
		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		Max. reach				Max.							
		u	d	u	d	u	d	u	d	u	d	u	d	u	d		u	d	m				
5,5 m 2-piece boom, 2,45 m dipper arm, Front dozer blade, Rear outriggers	9,0 m																	7,0*	7,0*	7,0*	7,0*	3,3	
	7,5 m																		3,8	5,2*	5,2*	5,2*	5,6
	6,0 m																		2,7	4,6	4,1	4,7*	6,9
	4,5 m																		2,3	4,0	3,5	5,7*	7,6
	3,0 m					9,6	9,7*	9,7*	9,7*	5,2	7,1*	7,1*	7,1*	3,3	5,7	5,1	6,1*	2,2	3,9	3,4	6,0*	8,0	
	1,5 m									4,1	7,9	6,8	10,9*	2,8	5,2	4,5	7,8*	2,1	3,7	3,3	6,4*	8,1	
	0,0 m									3,9	7,6	6,5	11,6*	2,7	5,0	4,4	8,4*	2,0	3,7	3,2	6,6*	7,9	
	-1,5 m					7,0	11,5*	11,5*	11,5*	3,8	7,6	6,5	11,5*	2,6	4,9	4,3	8,4*					7,3	
	-3,0 m									3,9	7,7	6,6	10,4*	2,7	5,0	4,4	7,5*					6,4	
-4,5 m																							
5,5 m 2-piece boom, 2,6 m dipper arm, Front dozer blade, Rear outriggers	9,0 m																						
	7,5 m																						
	6,0 m									5,2*	5,2*	5,2*	5,2*										
	4,5 m									5,5*	5,5*	5,5*	5,5*	3,5	5,4*	5,2	5,4*						
	3,0 m																						
	1,5 m																						
	0,0 m																						
	-1,5 m																						
	-3,0 m																						
-4,5 m																							
5,5 m 2-piece boom, 2,9 m dipper arm, 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																						
	-3,0 m																						
-4,5 m																							
5,5 m 2-piece boom, 3,2 m 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																						
	-3,0 m																						
-4,5 m																							
5,5 m 2-piece boom, 2,45 m dipper arm, Front and 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																						
	-3,0 m																						
-4,5 m																							
5,5 m 2-piece boom, 2,6 m dipper arm, Front and 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																						
	-3,0 m																						
-4,5 m																							

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



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

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

# Lifting capacity EW210C

At the arm end, without bucket and quick fit. Unit: 1000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. Counterweight 4 500 kg.

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up/d = support down)																													
		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		Max. reach																			
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	Max.											
5,5 m 2-piece boom, 2,9 m dipper arm, Front and rear outriggers	9,0 m																		5,3*	5,3*	5,3*	5,3*	4,3								
	7,5 m							4,8*	4,8*	4,8*	4,8*	3,6	5,2*	5,2*	5,2*					3,3	4,2*	4,2*	4,2*	6,3							
	6,0 m							5,1*	5,1*	5,1*	5,1*	3,6	5,1*	5,1*	5,1*					2,4	3,9*	3,8	3,9*	7,4							
	4,5 m							8,1*	8,1*	8,1*	8,1*	5,4	6,4*	6,4*	6,4*	3,4	5,6*	5,3	5,6*	2,3	5,0	3,6	5,3*	2,0	3,8*	3,2	3,8*	8,1			
	3,0 m							4,8	8,5*	7,7	8,5*	3,2	6,6*	5,0	6,6*	2,2	2,2	4,8	3,5	5,7*	1,8	3,8*	2,9	3,8*	2,9	3,8*	8,4				
	1,5 m							4,3	10,4*	7,1	10,4*	2,9	6,6	4,7	7,5*	2,1	2,1	4,7	3,4	6,2*	1,7	3,9	2,8	4,0*	2,8	4,0*	8,5				
	0,0 m							4,0	10,1	6,8	11,5*	2,7	6,4	4,5	8,2*	2,0	2,0	4,6	3,3	6,5*	1,7	4,0	2,8	4,4*	2,8	4,4*	8,3				
	-1,5 m							7,0	10,7*	10,7*	10,7*	3,9	10,0	6,6	11,6*	2,6	2,6	6,3	4,4	8,4*	2,0	4,6	3,2	6,5*	1,9	4,3	3,1	5,2*	7,8		
	-3,0 m							7,1	15,7*	13,3	15,7*	3,9	10,0	6,7	10,8*	2,7	2,7	6,3	4,4	7,9*					2,2	5,2	3,7	6,4*	6,9		
-4,5 m																															
5,5 m 2-piece boom, 3,2 m arm for grab, Front and 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																														
	-3,0 m																														
-4,5 m																															
5,5 m 2-piece boom, 3,2 m arm for grab, Front and 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																														
	-3,0 m																														
-4,5 m																															
5,5 m 2-piece boom, 3,2 m arm for grab, Front and 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																														
	-3,0 m																														
-4,5 m																															
5,5 m 2-piece boom, 2,45 m dipper arm, Rear dozer blade	9,0 m																														
	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																															
5,5 m 2-piece boom, 2,6 m dipper arm, Rear dozer blade	9,0 m																														
	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																															
5,5 m 2-piece boom, 2,9 m dipper arm, Rear dozer blade	9,0 m																														
	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																															
5,5 m 2-piece boom, 3,2 m arm for grab, Rear dozer blade	9,0 m																														
	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																															

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 EW210C

At the arm end, without bucket and quick fit. Unit: 1000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. Counterweight 4 500 kg.

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up / d = support down)																										
		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		Max. reach				Max.												
		u	d	u	d	u	d	u	d	u	d	u	d	u	d		u	d	m									
5,5 m 2-piece boom, 2,45 m dipper arm, Front dozer blade, Rear outriggers	9,0 m																	7,0*	7,0*	7,0*	7,0*	3,3						
	7,5 m																		4,1	5,2*	5,2*	5,2*	5,6					
	6,0 m																		2,9	4,7*	4,4	4,7*	6,9					
	4,5 m																	2,5	4,3	3,8	5,7*	2,4	4,1	3,7	4,5*	7,6		
	3,0 m																	2,4	4,2	3,7	6,0*	2,1	3,7	3,3	4,6*	8,0		
	1,5 m																	2,3	4,0	3,6	6,4*	2,0	3,6	3,2	4,9*	8,1		
	0,0 m																	2,2	3,9	3,5	6,6*	2,1	3,7	3,2	5,5*	7,9		
	-1,5 m																											
	-3,0 m																											
-4,5 m																												
5,5 m 2-piece boom, 2,6 m dipper arm, 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																											
	-3,0 m																											
-4,5 m																												
5,5 m 2-piece boom, 2,9 m dipper arm, 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																											
	-3,0 m																											
-4,5 m																												
5,5 m 2-piece boom, 3,2 m 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																											
	-3,0 m																											
-4,5 m																												
5,5 m 2-piece boom, 2,45 m dipper arm, Front and 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																											
	-3,0 m																											
-4,5 m																												
5,5 m 2-piece boom, 2,6 m dipper arm, Front and 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																											
	-3,0 m																											
-4,5 m																												

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



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

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

## Lifting capacity EW210C

At the arm end, without bucket and quick fit. Unit: 1000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. Counterweight 4 500 kg.

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine center (u = support up / d = support down)																				Max. m							
		1,5 m		3,0 m				4,5 m				6,0 m				7,5 m				Max. reach									
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d		u	d	u	d			
5,5 m 2-piece boom, 2,9 m dipper arm, Front and rear outriggers	9,0 m																							5,3*	5,3*	5,3*	5,3*	4,3	
	7,5 m																												6,3
	6,0 m																												7,4
	4,5 m																												8,1
	3,0 m																												8,4
	1,5 m																												8,5
	0,0 m																												8,3
	-1,5 m																												7,8
	-3,0 m																												
-4,5 m																													
5,5 m 2-piece boom, 3,2 m arm for grab, Front and rear outriggers	9,0 m																												5,0
	7,5 m																												6,8
	6,0 m																												7,8
	4,5 m																												8,5
	3,0 m																												8,8
	1,5 m																												8,9
	0,0 m																												8,7
	-1,5 m																												8,2
	-3,0 m																												
-4,5 m																													
5,5 m 2-piece boom, 2,45 m dipper arm, Rear dozer blade	9,0 m																												3,3
	7,5 m																												5,6
	6,0 m																												6,9
	4,5 m																												7,6
	3,0 m																												8,0
	1,5 m																												8,1
	0,0 m																												7,9
	-1,5 m																												7,3
	-3,0 m																												6,4
-4,5 m																													
5,5 m 2-piece boom, 2,6 m dipper arm, Rear dozer blade	9,0 m																												3,7
	7,5 m																												5,9
	6,0 m																												7,1
	4,5 m																												7,8
	3,0 m																												8,1
	1,5 m																												8,2
	0,0 m																												8,0
	-1,5 m																												7,5
	-3,0 m																												6,6
-4,5 m																													
5,5 m 2-piece boom, 2,9 m dipper arm, Rear dozer blade	9,0 m																												4,3
	7,5 m																												6,3
	6,0 m																												7,4
	4,5 m																												8,1
	3,0 m																												8,4
	1,5 m																												8,5
	0,0 m																												8,3
	-1,5 m																												7,8
	-3,0 m																												
-4,5 m																													
5,5 m 2-piece boom, 3,2 m arm for grab, Rear dozer blade	9,0 m																												5,0
	7,5 m																												6,8
	6,0 m																												7,8
	4,5 m																												8,5
	3,0 m																												8,8
	1,5 m																												8,9
	0,0 m																												8,7
	-1,5 m																												8,2
	-3,0 m																												
-4,5 m																													

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

# STANDARD EQUIPMENT EW210C RECYCLING OPTIONS

## Engine

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

Intake air pre-heater

Electric engine shut-off

Fuel filter and water separator

Fuel filler pump: 50 l/min with automatic shut-off

Aluminium core radiator

## Electric/Electronic control system

Contronics-computerized monitoring and diagnostic system

Master electrical disconnect switch

Automatic idling system

One-touch power boost

Adjustable monitor

Engine restart prevention circuit

Safety stop/start function

High capacity halogen lamps

- Frame mounted 2

- Cab mounted 2

Alternator, 80 A

Batteries, 2 x 12 V/140 Ah

Start motor, 24 V/4,8 k

Rear view camera

CareTrack via GSM

CareTrack via satellite

## Undercarriage

2-speed power transmission plus creep speed

Oscillating front axle  $\pm 9^\circ$

2-circuit travel brakes

Maintenance-free propeller shafts

## Superstructure

Counterweight, 4 500 kg

Service walkway with anti-slip grating

Centralised lubricating point for slew bearing

## Digging equipment

Attachment points for extra hydraulics

Centralised lubrication point

## Cab and interior

Volvo Care Cab with fixed PC roof hatch

Heater

Hydraulic dampening cab mounts

Adjustable operator seat and joystick control console

Adjustable steering wheel

Hydraulic safety lock lever

Control joystick, with 4 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, 2 inch retractable

- Windshield wiper with washer and intermittent feature

Sun shield front, roof and rear

Anti-vandalism kit assembly preparation

Master ignition key

## Hydraulic system

Load sensing hydraulic system

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, 240 V

Water separator with heater

Dust net

## Electric

Travel alarm

Rotating beacon

Extra work lights:

- Service walkway 1 and counterweight 1

- Boom-mounted 2

- Cab front 2

Electric center passage

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

### 'Elevated Cab'

**Hydraulically elevated cab, maximum lifting height 5,7 m (Max. travel speed 20 km)**

Volvo Care Cab with openable PC roof hatch

Heater and air-conditioner, automatic

Proportional control joystick

Falling object guard (FOG)

Cab mounted falling object protective structures (FOPS)

Rain shield, front

Safety net for front window

Lower wiper

Anti-vandalism kit

Ashtray

Lighter

Radio with cassette player

AM/FM stereo with CD player and MP3 input; includes flexible antenna

Operator seat:

- Fabric seat, with heater

- Fabric seat, with heater and air suspension

## Undercarriage

Twin tires 10.00 - 20 / 11.00 - 20

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

Sparewheel

Solid tires

Stone protection rings

Front dozer blade and rear outriggers

Rear dozer blade

4 outriggers

Grab holder

Mudguards, front / rear

Tool box, left hand side / right hand side

Cruise control

Travel speed 20 km/h, 25 km/h, 30 km/h

Wide axle 2,75 m

## Superstructure

Counterweight, 3 900 kg

## Digging equipment

Booms

5,6 m monoblock

5,5 m 2-piece boom

Dipper arms

2,45 m, 2,6 m, 2,9 m

3,2 m 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.



# SPECIFICATIONS EC210C RECYCLING OPTIONS

## Engine

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

Engine	VOLVO D6E EAE3
Power out at	30,0 r/s (1 800 rpm)
Gross (SAE J1995)	123 kW (167 metric hp)
Net (ISO 9249, DIN 6271)	110 kW (150 metric hp)
Max. torque at 1 350 rpm	735 Nm
No. of cylinders	6
Displacement	5,7 l
Bore	98 mm
Stroke	126 mm

## Electrical system

High-capacity electrical system that is well protected. Waterproof double-lock harness plugs are used to secure corrosion-free connections. The main relays and solenoid valves are shielded to prevent damage. The master switch is standard.

Voltage	24 V
Battery	2 x 12 V
Battery capacity	150 Ah
Alternator	28 V / 80 A

## Elevated cab

Hydraulically elevated cab, raising the operator's line-of-sight to more than 5,0 m. Set your optimum height for any task. Commanding view, safe entry and egress of cab in its lowest setting. Outstanding maneuverability and stability in congested recycling yards. Easy maneuvering in small, densely filled, urban or inner-city indoor yards. The 2-cylinder design utilises 2 accumulators which provides one big advantage: They absorbing shocks when travelling the machine over uneven ground. The result is excellent operator comfort.

Overall height, cab at max. lifting height	5,47 m
Front overhang of cab, max., length to tail	5,39 m
Front swing radius	2,64 m
Tail slew radius	2,75 m
Total machine weight : with elevated cab	22,25 - 23,95 t

## Cab features

New-design Volvo Care Cab with operator protective structure, large and roomy interior, more leg room and foot space. Standard ROPS cab with frame-mounted FOG preparation. Large and roomy interior with more leg room and foot space. Audio system with remote control. cup holders, 3 high-capacity outlets. Independently adjustable joystick consoles.

Excellent all around-visibility provided through maximum cab glass, transparent roof hatch and 2-piece sliding door window.

The lift-up front windshield can easily be secured at the ceiling and the removable lower front glass can be stored in the side door. Interior lighting consists of one reading light and one cab light with timer.

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

Deluxe seat with adjustable height, tilt, recline, forward-back settings, retractable seat belt and selectable horizontal suspension for reduced whole body vibration.

Adjustable easy-to-read 16,3 cm (6,4") LCD color monitor provides real time information of machine functions, important diagnostic information and a wide variety of work tool settings. LCD monitor is switchable to rear view camera monitor.

## Sound Level:

In cab, acc. to ISO 6396	70 LpA dB(A)
External, acc. to ISO 6395	102 LwA dB(A)

(Directive 2000/14/EC)

## Undercarriage

The undercarriage has a robust X-shaped frame. Greased and sealed track links are standard.

## EC210C L/NL

Track pads	2 x 49
Link pitch	190 mm
Shoe width, triple grouser	500/600/700/800/900 mm
Shoe width, double grouser	700 mm
Bottom rollers	2 x 9
Top rollers	2 x 2

## Drive

Each track is powered by an automatic two-speed shift travel motor. Track brakes are multi-disc, spring-applied and hydraulically released. The travel motor, brake and planetary gears are well protected within the track frame.

Max. drawbar pull	183 kN
Max. travel speed	3,2/5,5 km/h
Gradeability	35° (deg)

## Total machine weights

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

Total machine weight : with elevated cab	22,25 - 23,95 t
--	-----------------

## Service refill capacities

Fuel tank	350 l
Hydraulic system, total	330 l
Hydraulic tank	160 l
Engine oil	25 l
Engine coolant	32 l
Travel reduction unit	2x5,8 l

## Hydraulic system

The hydraulic system, also known as the "Integrated work mode control," is designed for high-productivity, high-digging capacity, high-maneuvering precision and excellent fuel economy. The summation system, boom, arm and slew priority along with boom, arm and bucket regeneration provides optimum performance.

The following important functions are included in the system:

**Summation system:** Combines the flow of both hydraulic pumps to ensure quick cycle times and high productivity.

**Boom priority:** Gives priority to the boom operation for faster raising when loading or performing deep excavations.

**Arm priority:** Gives priority to the arm operation for faster cycle times in leveling and for increased bucket filling when digging.

**Slew priority:** Gives priority to slew functions for faster simultaneous operations.

**Regeneration system:** Prevents cavitation and provides flow to other movements during simultaneous operations for maximum productivity.

## Hydraulic motors:

**Travel: Variable displacement axial piston motor**  
with mechanical brake

**Slew: Fixed displacement axial piston motor**  
with mechanical brake

Relief valve setting:	
Implement	32,4/34,3 MPa
Pilot circuit	3,9 MPa
Travel circuit	34,3 MPa
Swing circuit	27,9 MPa

## Hydraulic cylinders:

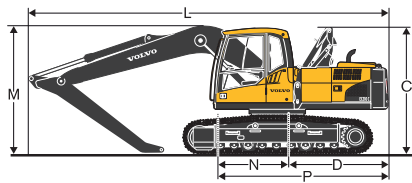
Mono boom	2
Bore x Stroke	ø125 x 1 235 mm
1st boom of 2-piece boom	2
Bore x Stroke	ø125 x 1 235 mm
2nd boom of 2-piece boom	2
Bore x Stroke	ø160 x 1 070 mm
Arm	1
Bore x Stroke	ø135 x 1 540 mm
Bucket	1
Bore x Stroke	ø120 x 1 065 mm
ME bucket	1
Bore x Stroke	ø130 x 1 040 mm

## Slew system

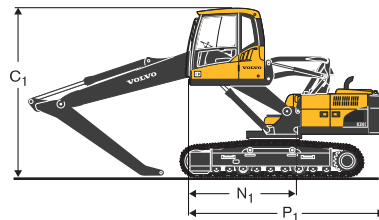
The slew system uses an axial piston motor, driving a planetary gearbox for maximum torque. An automatic holding brake and anti-rebound valve are standard.

Max slew speed	11,6 rpm
Max. slew torque	766 kNm
Front swing radius	2,64 m
Tail slew radius	2,75 m

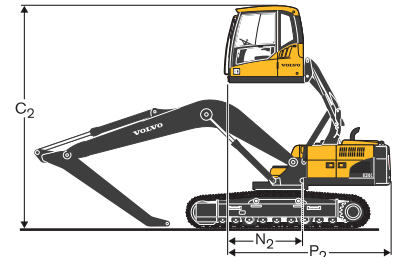
# DIMENSIONS EC210C RECYCLING OPTIONS



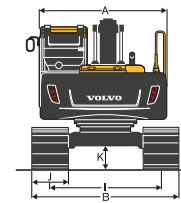
Elevated cab mono boom in transport position



Elevated cab mono boom in maximum overhang position

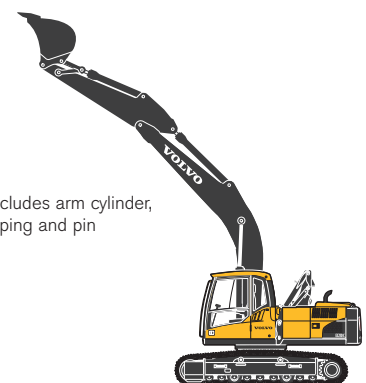


Elevated cab mono boom in highest position

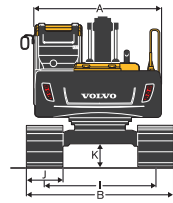


Elevated cab rear view; cab and outrigger down

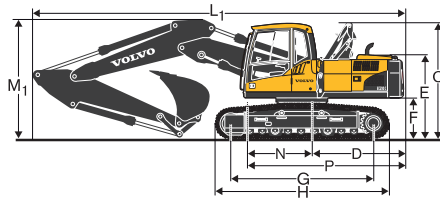
Description	Unit	EC210C L, 5,7 m monoblock boom; arm :					EC210C NL, 5,7 m monoblock boom; arm :				
		2,0	2,5	2,9	3,5	4,2	2,0	2,5	2,9	3,5	4,2
Max. lifting capacity	t	12,5**	13,7**	14,6**	14,0**	15,0**	12,5***	13,7***	14,6***	14,0***	15,0***
A. Overall width of superstructure	mm	2540	2540	2540	2540	2540	2540	2540	2540	2540	2540
B. Overall width	mm	2990	2990	2990	2990	2990	2540	2540	2540	2540	2990
C. Overall height of cab	mm	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960
C1. Overall height, cab at max. front overhang	mm	4 180	4 180	4 180	4 180	4 180	4 180	4 180	4 180	4 180	4 180
C2. Overall height, cab at max. lifting height	mm	5 470	5 470	5 470	5 470	5 470	5 470	5 470	5 470	5 470	5 470
D. Tail slew radius	mm	2 750	2 750	2 750	2 750	2 750	2 750	2 750	2 750	2 750	2 750
E. Overall height of engine hood	mm	2 180	2 180	2 180	2 180	2 180	2 180	2 180	2 180	2 180	2 180
F. Counterweight clearance *	mm	1 025	1 025	1 025	1 025	1 025	1 025	1 025	1 025	1 025	1 025
G. Tumbler length	mm	3 660	3 660	3 660	3 660	3 660	3 660	3 660	3 660	3 660	3 660
H. Track length	mm	4 460	4 460	4 460	4 460	4 460	4 460	4 460	4 460	4 460	4 460
I. Track gauge	mm	2 390	2 390	2 390	2 390	2 390	2 040	2 040	2 040	2 040	2 040
J. Shoe width	mm	600	600	600	600	600	500	500	500	500	500
K. Min. ground clearance *	mm	460	460	460	460	460	460	460	460	460	460
L. Overall length	mm	9 675	9 650	9 590	9 585	9 580	9 675	9 650	9 590	9 585	9 580
M. Overall height of boom	mm	3 170	3 120	3 000	3 260	3 500	3 170	3 120	3 000	3 260	3 500
N. Front swing of cab	mm	1 830	1 830	1 830	1 830	1 830	1 830	1 830	1 830	1 830	1 830
N1. Front swing of cab	mm	2 640	2 640	2 640	2 640	2 640	2 640	2 640	2 640	2 640	2 640
N2. Front swing of cab	mm	1 910	1 910	1 910	1 910	1 910	1 910	1 910	1 910	1 910	1 910
P. Front overhang of cab, max., length to tail	mm	4 580	4 580	4 580	4 580	4 580	4 580	4 580	4 580	4 580	4 580
P1. Front overhang of cab, max., length to tail	mm	5 390	5 390	5 390	5 390	5 390	5 390	5 390	5 390	5 390	5 390
P2. Front overhang of cab, max., length to tail	mm	5 390	5 390	5 390	5 390	5 390	5 390	5 390	5 390	5 390	5 390
Description	Unit	Monoblock boom					Includes bucket cylinder, linkage and pin				
	m	5,7									
Length	mm	5 910									
Height	mm	1 585									
Width	mm	670									
Weight	kg	1 785									
Description	Unit	Arm					Includes arm cylinder, piping and pin				
	m	2,0	2,5	2,9	3,5	4,2					
Length	mm	3 065	3 525	3 910	4 540	5 130					
Height	mm	980	860	860	855	750					
Width	mm	440	440	440	440	350					
Weight	kg	970	975	1 000	1 110	800					



\*Without shoe grouser. \*\* Machine equipped with 600 mm shoes and 4,2 tonnes counterweight. \*\*\* Machine equipped with 500 mm shoes and 4,8 tonnes counterweight.



Elevated cab rear view; cab down



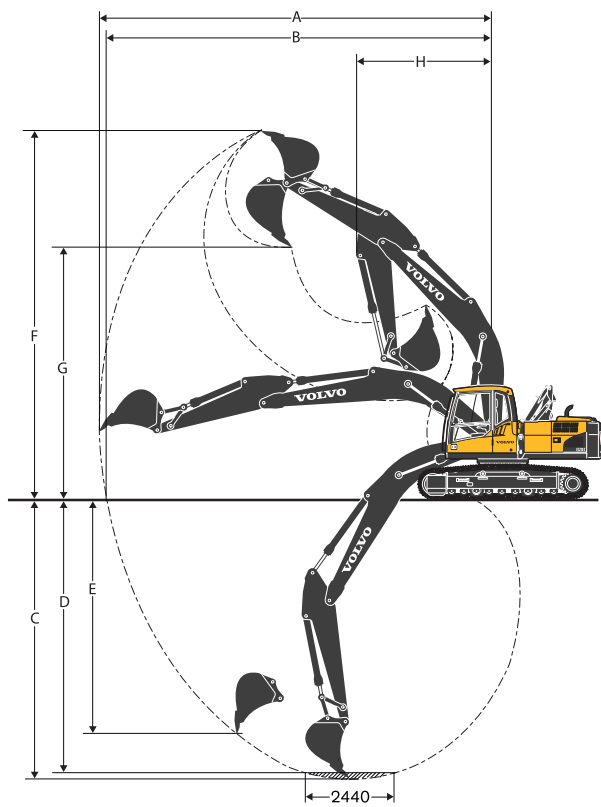
Elevated cab 2-piece boom in transport position

Description	Unit	EC210C L, 5,57 m 2-piece boom; arm :				EC210C NL, 5,57 m 2-piece boom; arm :			
		2,0	2,5	2,9	4,2	2,0	2,5	2,9	4,2
Max. lifting capacity	t	10,2**	11,9**	10,7**	11,5**	10,2***	11,9***	10,6***	11,5***
A. Overall width of superstructure	mm	2540	2540	2540	2540	2540	2540	2540	2540
B. Overall width	mm	2990	2990	2990	2990	2540	2540	2540	2540
C. Overall height of cab	mm	2960	2960	2960	2960	2960	2960	2960	2960
C1. Overall height, cab at max. front overhang	mm	4 180	4 180	4 180	4 180	4 180	4 180	4 180	4 180
C2. Overall height, cab at max. lifting height	mm	5 470	5 470	5 470	5 470	5 470	5 470	5 470	5 470
D. Tail slew radius	mm	2 750	2 750	2 750	2 750	2 750	2 750	2 750	2 750
E. Overall height of engine hood	mm	2 180	2 180	2 180	2 180	2 180	2 180	2 180	2 180
F. Counterweight clearance *	mm	1 025	1 025	1 025	1 025	1 025	1 025	1 025	1 025
G. Tumbler length	mm	3 660	3 660	3 660	3 660	3 660	3 660	3 660	3 660
H. Track length	mm	4 460	4 460	4 460	4 460	4 460	4 460	4 460	4 460
I. Track gauge	mm	2 390	2 390	2 390	2 390	2 040	2 040	2 040	2 040
J. Shoe width	mm	600	600	600	600	500	500	500	500
K. Min. ground clearance *	mm	460	460	460	460	460	460	460	460
L1. Overall length	mm	9 565	9 515	9 480	9 360	9 565	9 515	9 480	9 360
M1. Overall height of boom	mm	3 070	3 040	2 960	3 550	3 070	3 040	2 960	3 550
N. Front swing of cab	mm	1 830	1 830	1 830	1 830	1 830	1 830	1 830	1 830
N1. Front swing of cab	mm	2 640	2 640	2 640	2 640	2 640	2 640	2 640	2 640
N2. Front swing of cab	mm	1 910	1 910	1 910	1 910	1 910	1 910	1 910	1 910
P. Front overhang of cab, max., length to tail	mm	4 580	4 580	4 580	4 580	4 580	4 580	4 580	4 580
P1. Front overhang of cab, max., length to tail	mm	5 390	5 390	5 390	5 390	5 390	5 390	5 390	5 390
P2. Front overhang of cab, max., length to tail	mm	5 390	5 390	5 390	5 390	5 390	5 390	5 390	5 390
Description	Unit	2-piece boom				Includes bucket cylinder, linkage and pin			
	m	5,57							
Length	mm	5 780							
Height	mm	1 570							
Width	mm	670							
Weight	kg	2 240							
Description	Unit	Arm				Includes arm cylinder, piping and pin			
	m	2,0	2,5	2,9	4,2				
Length	mm	3 065	3 525	3 910	5 130				
Height	mm	980	860	860	750				
Width	mm	440	440	440	350				
Weight	kg	970	975	1 000	800				

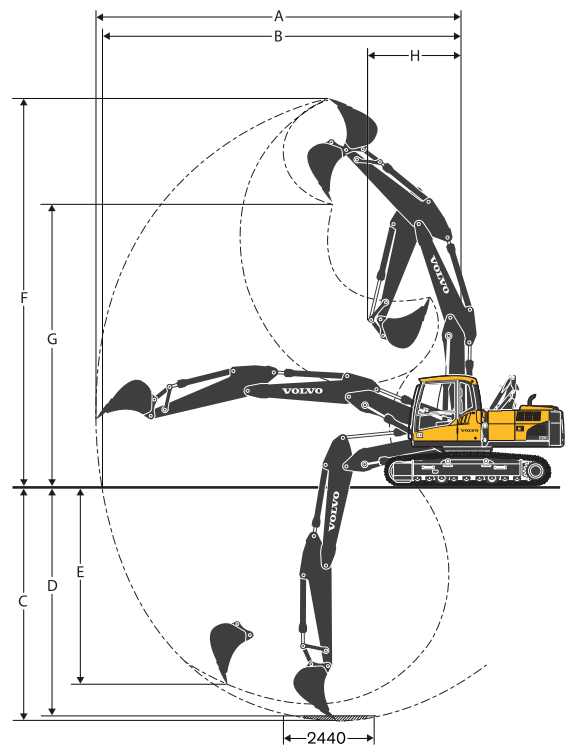




# WORKING RANGES & DIGGING FORCES EC210C RECYCLING OPTIONS



Monoblock boom 5,7 m,  
dipper arm 2,5 m, 2,9 m, 3,5 m,  
grab arm 4,2 m



2-piece boom 5,57 m,  
dipper arm 2,0 m, 2,5 m, 2,9 m,  
grab arm 4,2 m



















Description	Unit	5,7 m monoblock boom, arm :					5,57 m 2-piece boom, arm :			
	m	2,0	2,5	2,9	3,5	4,2	2,0	2,5	2,9	4,2
A. Max. digging reach	mm	9090	9540	9940	10394	9820	8980	9450	9840	9750
B. Max. digging reach on ground	mm	8910	9350	9750	10240	-	8900	9280	9680	-
C. Max. digging depth	mm	5830	6330	6730	7330	6600	5410	5930	6300	6170
D. Max. digging depth (2440 mm level)	mm	5560	6110	6510	7150	-	5290	5820	6200	-
E. Max. vertical wall digging depth	mm	4800	5520	5830	6170	-	4350	4910	5320	-
F. Max. cutting height	mm	8940	9220	9450	9460	9130	10010	10390	10710	10530
G. Max. dumping height	mm	6190	6430	6650	6700	-	7100	7470	7780	-
H. Min. front slew radius	mm	3800	3670	3650	3630	3540	2900	2740	2440	2930

Machine with direct fit bucket

## Lifting capacity EC210CL

At the arm end, without bucket. Unit: 1000 kg.

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

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	0 m		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		Max. reach			
																		Max. m	
5,7 m monoboom, 2,0 m dipper arm, 600 mm schoes, 4 200 kg counterweight	9,0 m																		
	7,5 m																*6,0	*6,0	4,9
	6,0 m									*5,7	5,2						*5,8	4,9	6,2
	4,5 m								*7,2	*7,3	*6,1	5,1					*5,8	3,9	7,0
	3,0 m								*9,1	7,3	*6,8	4,9					5,5	3,5	7,4
	1,5 m										7,5	4,7	5,4	3,4			5,3	3,4	7,5
	0,0 m								*10,9	6,8	7,3	4,6					5,4	3,5	7,3
	-1,5 m								*10,5	6,8	7,3	4,5					6,1	3,9	6,8
	-3,0 m					*12,5	*12,5		*9,3	7,0							*7,0	4,8	5,8
	-4,5 m																		
-6,0 m																			
5,7 m monoboom, 2,5 m dipper arm, 600 mm schoes, 4 200 kg counterweight	9,0 m																		
	7,5 m																*5,3	*5,3	5,5
	6,0 m									*5,2	*5,2						*5,3	4,3	6,8
	4,5 m								*6,6	*6,6	*5,7	5,2	*5,3	3,6			*5,3	3,6	7,5
	3,0 m								*8,4	7,5	*6,5	4,9	5,5	3,5			5,0	3,2	7,9
	1,5 m								*10,0	7,0	*7,3	4,7	5,4	3,4			4,8	3,1	8,0
	0,0 m								*10,8	6,8	7,3	4,6	5,3	3,4			5,0	3,2	7,8
	-1,5 m					*10,0	*10,0		*10,7	6,8	7,3	4,5					5,4	3,5	7,3
	-3,0 m					*13,7	13,4		*9,8	6,9	*7,3	4,6					*6,6	4,2	6,4
	-4,5 m					*10,6	*10,6		*7,6	7,1							*6,7	6,3	4,9
-6,0 m																			
5,7m monoboom, 2,9 m dipper arm, 600 mm schoes, 4 200 kg counterweight	9,0 m																		
	7,5 m									*4,9	*4,9						*4,5	*4,5	6,1
	6,0 m									*4,8	*4,8						*4,2	3,9	7,2
	4,5 m									*5,3	5,3	*5,0	3,7				*4,1	3,3	7,9
	3,0 m								*7,9	7,7	*6,2	5,0	*5,4	3,6			*4,2	3,0	8,3
	1,5 m								*9,7	7,1	*7,1	4,8	5,4	3,5			*4,5	2,9	8,4
	0,0 m					*5,1	*5,1		*10,7	6,9	7,4	4,6	5,3	3,4			4,6	3,0	8,2
	-1,5 m			*5,7	*5,7	*9,5	*9,5		*10,8	6,8	7,3	4,5	5,3	3,3			5,0	3,2	7,7
	-3,0 m			*10,4	*10,4	*14,6	13,3		*10,2	6,8	7,3	4,5					6,0	3,8	6,9
	-4,5 m					*11,9	*11,9		*8,4	7,0							*6,5	5,3	5,5
-6,0 m																			
5,7m monoboom, 3,5 m dipper arm, 600 mm schoes, 4 200 kg counterweight	9,0 m																		
	7,5 m																*3,9	*3,9	6,7
	6,0 m												*4,4	3,8			*3,7	3,5	7,8
	4,5 m									*4,7	*4,7	*4,5	3,7				*3,6	3,0	8,4
	3,0 m					*10,6	*10,6		*7,0	*7,0	*5,6	5,1	*5,0	3,6			*3,8	2,8	8,8
	1,5 m								*8,9	7,2	*6,6	4,8	5,4	3,4			*4,0	2,7	8,8
	0,0 m					*6,6	*6,6		*10,2	6,8	7,3	4,6	5,3	3,3			4,2	2,7	8,7
	-1,5 m			*5,7	*5,7	*9,5	*9,5		*10,7	6,7	7,2	4,4	5,2	3,3			4,5	2,9	8,2
	-3,0 m			*9,3	*9,3	*14,0	13,0		*10,4	6,7	7,2	4,4					5,2	3,3	7,4
	-4,5 m			*13,9	*13,9	*13,3	*13,3		*9,2	6,8	*6,7	4,5					*6,3	4,3	6,2
-6,0 m																			
5,7m monoboom, 4,2 m grab arm, 600 mm schoes, 4 200 kg counterweight	9,0 m																*3,4	*3,4	6,5
	7,5 m												*3,8	*3,8			*3,0	*3,0	7,9
	6,0 m												*4,0	*4,0			*2,8	*2,8	8,8
	4,5 m												*4,3	4,1	*3,8	3,0	*2,8	*2,8	9,4
	3,0 m									*5,3	*5,3	*4,8	3,9	*4,5	3,0	*2,8	2,6	9,7	
	1,5 m					*8,5	*8,5		*8,3	7,8	*6,4	5,2	*5,4	3,8	4,4	2,9	*2,9	2,6	9,8
	0,0 m					*6,1	*6,1		*10,0	7,3	*7,3	4,9	5,6	3,6	4,3	2,8	*3,1	2,6	9,6
	-1,5 m	*3,7	*3,7	*4,3	*4,3	*7,8	*7,8		*10,9	7,0	7,5	4,7	5,5	3,5	4,3	2,8	*3,4	2,7	9,2
	-3,0 m	*5,9	*5,9	*7,0	*7,0	*11,0	*11,0		*11,0	6,9	7,4	4,7	5,4	3,5			*4,0	3,0	8,5
	-4,5 m			*10,5	*10,5	*14,9	13,4		*10,2	7,0	7,5	4,7					*5,1	3,6	7,5
-6,0 m					*11,8	*11,8		*8,2	7,2							*5,7	5,1	5,8	

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 EC210CL

At the arm end, without bucket. Unit: 1000 kg.

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

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	0 m		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		Max. reach		
																		Max. m
5,57m 2-piece boom, 2,0 m dipper arm, 600 mm schoes, 4 200 kg counterweight	9,0 m																	
	7,5 m							*8,1	*8,1							*8,0	7,7	4,7
	6,0 m							*8,1	*8,1	*7,1	5,2					*7,0	5,0	6,1
	4,5 m							*9,0	7,9	*7,2	5,1					6,2	4,0	6,9
	3,0 m							*10,2	7,3	*7,7	4,8					5,6	3,5	7,3
	1,5 m									7,4	4,6					5,4	3,4	7,4
	0,0 m							*10,2	6,7	7,3	4,5					5,5	3,5	7,2
	-1,5 m							*8,8	6,7	*6,7	4,5					*5,6	3,9	6,7
	-3,0 m							*6,3	*6,3							*4,9	*4,9	5,5
	-4,5 m																	
-6,0 m																		
5,57m 2-piece boom, 2,5 m dipper arm, 600 mm schoes, 4 200 kg counterweight	9,0 m																	
	7,5 m							*7,4	*7,4							*6,2	*6,2	5,4
	6,0 m							*7,5	*7,5	*6,6	5,3					*5,6	4,4	6,7
	4,5 m					*11,9	*11,9	*8,5	8,1	*6,9	5,1					*5,5	3,6	7,4
	3,0 m							*9,8	7,5	*7,4	4,9	5,5	3,4			5,1	3,2	7,8
	1,5 m							*10,7	6,9	7,5	4,6	5,3	3,4			4,9	3,1	7,9
	0,0 m							*10,5	6,7	7,3	4,5	5,3	3,3			5,0	3,2	7,7
	-1,5 m					*10,6	*10,6	*9,4	6,6	*7,1	4,4					*5,3	3,5	7,2
	-3,0 m							*7,3	6,8	*5,3	4,5					*4,7	4,2	6,3
	-4,5 m																	
-6,0 m																		
5,57m 2-piece boom, 2,9 m dipper arm, 600 mm schoes, 4 200 kg counterweight	9,0 m															*5,6	*5,6	4,0
	7,5 m							*6,4	*6,4	*4,5	*4,5					*4,5	*4,5	6,0
	6,0 m							*6,4	*6,4	*6,3	5,4					*4,1	4,0	7,1
	4,5 m					*8,3	*8,3	*8,1	*8,1	*6,7	5,2	5,6	3,6			*4,0	3,3	7,8
	3,0 m							*9,5	7,6	*7,3	5,0	5,5	3,5			*4,1	3,0	8,2
	1,5 m							*10,5	7,1	7,5	4,7	5,4	3,4			*4,4	2,9	8,3
	0,0 m					*5,5	*5,5	*10,7	6,7	7,3	4,5	5,3	3,3			4,7	3,0	8,1
	-1,5 m					*10,0	*10,0	*9,8	6,7	7,2	4,4	5,2	3,3			5,1	3,2	7,6
	-3,0 m					*10,3	*10,3	*8,0	6,7	*5,9	4,5					*4,7	3,8	6,8
	-4,5 m																	
-6,0 m																		
5,57m 2-piece boom, 4,2 m grab arm, 600 mm schoes, 4 200 kg counterweight	9,0 m									*4,1	*4,1					*3,4	*3,4	6,4
	7,5 m									*4,4	*4,4	*3,7	*3,7			*3,0	*3,0	7,8
	6,0 m									*4,3	*4,3	*4,3	*4,3			*2,8	*2,8	8,7
	4,5 m									*4,6	*4,6	*4,7	4,3	*3,6	3,2	*2,7	*2,7	9,3
	3,0 m					*6,7	*6,7	*6,2	*6,2	*5,9	5,8	*5,5	4,2	*4,3	3,1	*2,7	*2,7	9,6
	1,5 m					*10,1	*10,1	*9,9	8,2	*7,5	5,5	6,1	4	4,6	3,1	*2,8	2,7	9,7
	0,0 m					*6,5	*6,5	*10,9	7,7	*8,0	5,2	6	3,8	4,6	3	*3,0	2,8	9,5
	-1,5 m			*4,4	*4,2	*8,2	*8,2	*10,9	7,4	8	5	5,8	3,7	*4,0	3	*3,3	2,9	9,1
	-3,0 m			*7,2	*7,2	*11,5	*11,5	*10,0	7,3	*7,5	5	*5,7	3,7			*3,8	3,2	8,4
	-4,5 m					*10,9	*10,9	*8,1	7,4	*6,0	5					*3,9	*3,9	7,3
-6,0 m																		

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

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



















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



## Lifting capacity EC210CNL

At the arm end, without bucket. Unit: 1000 kg.

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

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	0 m		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		Max. reach		Max. m																	
																																			
5,7 m monoboom, 2,0 m dipper arm, 500 mm schoes, 4 800 kg counterweight	9,0 m																																		
	7,5 m																*6,0	*6,0	4,9																
	6,0 m																*5,8	4,4	6,2																
	4,5 m								*7,2	7,1	*6,1	4,6					*5,8	3,6	7,0																
	3,0 m								*9,1	6,5	*6,8	4,4					5,7	3,2	7,4																
	1,5 m										*7,6	4,2	5,6	3,1			5,5	3,1	7,5																
	0,0 m								*10,9	6,0	7,6	4,1					5,7	3,1	7,3																
	-1,5 m								*10,5	6,0	7,6	4,1					6,3	3,5	6,8																
	-3,0 m					*12,5	11,5	*9,3	6,1								*7,0	4,3	5,8																
	-4,5 m																																		
-6,0 m																																			
5,7 m monoboom, 2,5 m dipper arm, 500 mm schoes, 4 800 kg counterweight	9,0 m																																		
	7,5 m																*5,3	*5,3	5,5																
	6,0 m										*5,2	4,8					*5,3	3,9	6,8																
	4,5 m								*6,6	*6,6	*5,7	4,7	*5,3	3,3			*5,3	3,2	7,5																
	3,0 m								*8,4	6,7	*6,5	4,4	*5,6	3,2			5,2	2,9	7,9																
	1,5 m								*10,0	6,2	*7,3	4,2	5,6	3,1			5,0	2,8	8,0																
	0,0 m								*10,8	6,0	7,6	4,1	5,5	3,0			5,2	2,8	7,8																
	-1,5 m					*10,0	*10,0	*10,7	6,0	7,6	4,0						5,7	3,1	7,3																
	-3,0 m					*13,7	11,3	*9,8	6,0	*7,3	4,1						*6,6	3,8	6,4																
	-4,5 m					*10,6	*10,6	*7,6	6,3								*6,7	5,6	4,9																
-6,0 m																																			
5,7m monoboom, 2,9 m dipper arm, 500 mm schoes, 4 800 kg counterweight	9,0 m																																		
	7,5 m									*4,9	*4,9						*4,5	*4,5	6,1																
	6,0 m									*4,8	*4,8						*4,2	3,6	7,2																
	4,5 m									*5,3	4,8	*5,0	3,3				*4,1	3,0	7,9																
	3,0 m								*8,0	6,8	*6,2	4,5	*5,4	3,2			*4,2	2,7	8,3																
	1,5 m								*9,7	6,3	*7,1	4,3	5,6	3,1			*4,5	2,6	8,4																
	0,0 m					*5,1	*5,10	*10,7	6,0	7,7	4,1	5,5	3,0				4,8	2,7	8,2																
	-1,5 m					*5,7	*5,7	*9,5	*9,5	*10,8	6,0	7,6	4,0	5,5	3,0			5,2	2,9	7,7															
	-3,0 m					*10,4	*10,4	*14,6	11,2	*10,2	6,0	*7,5	4,1					6,2	3,4	6,9															
	-4,5 m							*11,9	11,6	*8,4	6,2							*6,5	4,7	5,5															
-6,0 m																																			
5,7m monoboom, 3,5 m dipper arm, 500 mm schoes, 4 800 kg counterweight	9,0 m																																		
	7,5 m																*3,9	*3,9	6,7																
	6,0 m												*4,4	3,4			*3,7	3,2	7,8																
	4,5 m										*4,7	*4,7	*4,5	3,4			*3,6	2,7	8,4																
	3,0 m										*10,6	*10,6	*7,0	7,0	*5,6	4,6	*5,0	3,3	*3,8	2,5	8,8														
	1,5 m										*8,9	6,4	*6,6	4,3	*5,5	3,1	*4,0	2,4	8,8																
	0,0 m										*6,6	*6,6	*10,2	6,0	*7,4	4,1	5,5	3,0	4,4	2,4	8,7														
	-1,5 m										*5,7	*5,7	*9,5	*9,5	*10,7	5,9	7,5	4,0	5,4	2,9	8,2														
	-3,0 m										*9,3	*9,3	*14,0	11,0	*10,4	5,9	7,5	4,0			5,5	3,0	7,4												
	-4,5 m										*13,9	*13,9	*13,3	11,3	*9,2	6,0	*6,7	4,1			*6,3	3,9	6,2												
-6,0 m																																			
5,7m monoboom, 4,2 m grab arm, 500 mm schoes, 4 800 kg counterweight	9,0 m																																		
	7,5 m												*3,8	*3,8			*3,0	*3,0	6,5																
	6,0 m												*4,0	*4,0			*2,8	*2,8	8,8																
	4,5 m												*4,3	4,1	*3,8	3,0	*2,8	*2,8	9,4																
	3,0 m												*5,3	*5,3	*4,8	3,9	*4,5	3,0	*2,8	2,6	9,7														
	1,5 m												*8,5	*8,5	*8,3	7,8	*6,4	5,2	*5,4	3,8	4,4	2,9	*2,9	2,6	9,8										
	0,0 m												*6,1	*6,1	*10,0	7,3	*7,3	4,9	5,6	3,6	4,3	2,8	*3,1	2,6	9,6										
	-1,5 m												*3,7	*3,7	*4,3	*4,3	*7,8	*7,8	*10,9	7,0	7,5	4,7	5,5	3,5	4,3	2,8	*3,4	2,7	9,2						
	-3,0 m												*5,9	*5,9	*7,0	*7,0	*11,0	*11,0	*11,0	6,9	7,4	4,7	5,4	3,5			*4,0	3,0	8,5						
	-4,5 m																											*5,1	3,6	7,5					
-6,0 m																											*11,8	*11,8	*8,2	7,2					

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 EC210CNL

At the arm end, without bucket. Unit: 1000 kg.

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

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	0 m		1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		Max. reach		Max. m
																		
5,57m 2-piece boom, 2,0 m dipper arm, 500 mm schoes, 4 800 kg counterweight	9,0 m																	
	7,5 m							*8,1	7,5							*8,0	6,9	4,7
	6,0 m							*8,1	7,5	*7,1	4,7					*7,0	4,5	6,1
	4,5 m							*9,0	7,0	*7,2	4,6					6,5	3,6	6,9
	3,0 m							*10,2	6,4	*7,7	4,3					5,8	3,2	7,3
	1,5 m									7,7	4,1					5,6	3,0	7,4
	0,0 m							*10,2	5,9	7,6	4,0					5,8	3,1	7,2
	-1,5 m							*8,8	5,9	*6,7	4,0					*5,6	3,5	6,7
	-3,0 m							*6,3	6,1							*4,9	4,5	5,5
	-4,5 m																	
-6,0 m																		
5,57m 2-piece boom, 2,5 m dipper arm, 500 mm schoes, 4 800 kg counterweight	9,0 m																	
	7,5 m							*7,4	*7,4							*6,2	5,6	5,4
	6,0 m							*7,5	*7,5	*6,6	4,8					*5,6	3,9	6,7
	4,5 m					*11,9	*11,9	*8,5	7,2	*6,9	4,6					*5,5	3,2	7,4
	3,0 m							*9,8	6,6	*7,4	4,4	5,7	3,1			5,3	2,9	7,8
	1,5 m							*10,7	6,1	7,8	4,1	5,6	3,0			5,1	2,8	7,9
	0,0 m							*10,5	5,9	7,6	4,0	5,5	3,0			5,2	2,8	7,7
	-1,5 m					*10,6	*10,6	*9,4	5,8	*7,1	3,9					*5,3	3,1	7,2
	-3,0 m							*7,3	5,9	*5,3	4,0					*4,7	3,8	6,3
	-4,5 m																	
-6,0 m																		
5,57m 2-piece boom, 2,9 m dipper arm, 500 mm schoes, 4 800 kg counterweight	9,0 m															*5,6	*5,6	4,0
	7,5 m							*6,4	*6,4	*4,5	*4,5					*4,5	*4,5	6,0
	6,0 m							*6,4	*6,4	*6,3	4,9					*4,1	3,6	7,1
	4,5 m					*8,3	*8,3	*8,1	7,4	*6,7	4,7	*5,6	3,3			*4,0	3,0	7,8
	3,0 m							*9,5	6,8	*7,3	4,5	5,7	3,2			*4,1	2,7	8,2
	1,5 m							*10,5	6,2	*7,7	4,2	5,6	3,1			*4,4	2,6	8,3
	0,0 m					*5,5	*5,5	*10,7	5,9	7,6	4,0	5,5	3,0			*4,9	2,6	8,1
	-1,5 m					*10,0	*10,0	*9,8	5,8	*7,4	3,9	*5,4	2,9			*5,2	2,9	7,6
	-3,0 m					*10,3	*10,3	*8,0	5,9	*5,9	4,0					*4,7	3,4	6,8
	-4,5 m																	
-6,0 m																		
5,57m 2-piece boom, 4,2 m grab arm, 500 mm schoes, 4 800 kg counterweight	9,0 m									*4,1	*4,1					*3,4	*3,4	6,4
	7,5 m									*4,4	*4,4	*3,7	*3,7			*3,0	*3,0	7,8
	6,0 m									*4,3	*4,3	*4,3	4,0			*2,8	*2,8	8,7
	4,5 m									*4,6	*4,6	*4,7	3,9	*3,6	2,9	*2,7	*2,7	9,3
	3,0 m					*6,7	*6,7	*6,2	*6,2	*5,9	5,2	*5,5	3,8	*4,3	2,9	*2,7	2,6	9,6
	1,5 m					*10,1	*10,1	*9,9	7,3	*7,5	4,9	*6,2	3,6	4,8	2,8	*2,8	2,5	9,7
	0,0 m					*6,5	*6,5	*10,9	6,8	*8,0	4,6	6,1	3,5	4,7	2,7	*3,0	2,5	9,5
	-1,5 m			*4,4	*4,4	*8,2	*8,2	*10,9	6,5	*8,1	4,5	6,0	3,4	*4,0	2,7	*3,3	2,6	9,1
	-3,0 m			*7,2	*7,2	*11,5	*11,5	*10,0	6,5	*7,5	4,4	*5,7	3,3			*3,8	2,9	8,4
	-4,5 m					*10,9	*10,9	*8,1	6,6	*6,0	4,5					*3,9	3,5	7,3
-6,0 m																		

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

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

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

# STANDARD EQUIPMENT EC210C RECYCLING OPTIONS

## Engine

-Turbocharged, 4 stroke Volvo diesel engine with water cooling, direct injection and charged air cooler that meets EU stage IIIA emission requirements  
Air filter with indicator and precleaner  
Air intake heater  
Engine pre-cleaner  
Electric engine shut-off  
Fuel filter and water separator  
Fuel filler pump 50 l/min with auto stop  
Alternator, 80 A

## Electric/Electronic control system

Contronics  
- Advanced mode control system  
- Self-diagnostic system  
Machine status indication  
Engine speed sensing power control  
Automatic idling system  
One-touch power boost  
Safety stop/start function  
Adjustable LCD color monitor  
Master electrical disconnect switch  
Overload warning device  
Engine restart prevention circuit  
High-capacity halogen lights:  
- Frame-mounted 2  
- Boom-mounted 1  
Batteries, 2 x 12 V/ 150 Ah  
Start motor, 24 V/ 4,8 kW  
Rear view camera  
CareTrack via GSM  
CareTrack via satellite

## Hydraulic system

Hose rupture valve: boom  
Automatic sensing hydraulic system  
- Summation system  
- Boom priority  
- Arm priority  
- Slew priority  
Boom, arm and bucket regeneration valves  
Slew anti-rebound valves  
Boom and arm holding valves  
Multi-stage filtering system  
Cylinder cushioning  
Cylinder contamination seals  
Auxiliary hydraulic valve  
Automatic two-speed travel motors  
Long-life-Hydraulic oil 46

## Superstructure

Full height counterweight:  
- EC210C L: 4 200 kg  
- EC210C NL: 4 800 kg  
Access way with handrail  
Tool storage area  
Punched metal anti-slip plates  
Undercover (heavy-duty 4,5 mm)

## Cab and interior

Fabric seat with heater  
Control joysticks with 4 switches each  
Heater & air-conditioner, automatic  
Hydraulic dampening cab mounts  
Adjustable operator seat and joystick control console  
Flexible antenna  
Hydraulic safety lock lever  
Cab, all-weather sound suppressed, includes:

- AM/FM stereo with CD player and MP3 input  
- Cup holders  
- Door locks  
- Tinted glass  
- Floor mat  
- Horn  
- Large storage area  
- Pull-up type front window  
- Removable lower windshield  
- Seat belt  
- Safety glass  
- Sun shields, front, roof, rear  
- Rain shield  
- Windshield wiper with intermittent feature  
Anti-vandalism kit assembly preparation  
Master key

## Undercarriage

Hydraulic track adjusters  
Greased and sealed track link  
Track guard  
Undercover (heavy-duty 10 mm)

## Track shoes

Track shoes 600 mm with triple grousers

## Digging equipment

Boom: 5,7 m monoblock  
Arm: 2,9 m  
Manual centralized lubrication

## Service

Tool kit, daily maintenance

# OPTIONAL EQUIPMENT

## Engine

Block heater: 120 V, 240 V  
Oil bath pre-cleaner  
Diesel driven coolant heater, 0,5kW  
Water separator with heater  
Reversible cooling fan  
Micro mesh doors - hinged type  
Sealing of cooler compartment area  
Dust net for radiator and oil cooler (on cooling compartment)

## Electric

Extra lights:  
- Cab-mounted 3  
- Counterweight-mounted 1  
- Boom-mounted 1  
Extra lights (cab front only):  
- Cab-mounted 2  
- Boom-mounted 1  
Travel alarm  
Anti-theft system  
Rotating warning beacon  
Auto-Lubrication system

## Hydraulic system

Hose rupture valve for dipper arm  
Boom float function  
Hydraulic piping:  
- Hammer & shear, 1 and 2 pump flow  
- Additional return filter  
- Slope & rotator  
- Grapple  
- Oil leak (drain) line  
- Quick fit piping  
- Work tool management system (up to 20 programmable memories)  
- Hammer & shear: variable flow and pressure pre-setting  
Volvo hydraulic quick fit, (S1, U21)  
Hydraulic oil, biodegradable 32  
Hydraulic oil, biodegradable 46  
Long-life-hydraulic oil 32  
Long-life-hydraulic oil 68

## Cab and interior

**'Elevated Cab'**  
**Hydraulically elevated cab,**  
**maximum lifting height 5,47 m**

Fabric seat  
Fabric seat with heater and air suspension  
Control joystick with proportional control  
Falling object guard (FOG)  
- Cab-mounted  
Screen guard for front window  
Sunlight protection, roof (steel)  
Lower wiper with intermittent control  
Smoker kit (ashtray and lighter)  
Anti-vandalism kit  
Specific key

## Undercarriage

Full track guard (except N version)

## Digging equipment

Boom: 5,57 m 2-piece  
(2-piece boom except 3,5 m arm)  
Arm: 2,0 / 2,5 / 3,5 m  
Grab arm: 4,2 m  
Linkage with lifting eye  
Extended greasing bushing

## Service

Tool kit, full scale





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



*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**

**Volvo Construction Equipment**  
[www.volvoce.com](http://www.volvoce.com)

PUB 21A1006420  
2010.06  
Volvo, Global Marketing

English (Global)  
EXC