

VOLVO EXCAVATORS

EW160C / EC210C RECYCLING OPTIONS



MORE CARE. BUILT IN.



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.

Engine	VOLVO D6E EDE3
Power out at	30,0 r/s (1 800 rpm)
Gross (SAE J1995)	115 kW (156 metric hp)
Net (ISO 9249, DIN 6271)	106 kW (144 metric hp)
Max. torque at 1 350 rpm	730 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	2 x 140 Ah
Alternator	28 V / 80 A
Alternator rating	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.

Overall height, cab at max. lifting height	5,6 m
Front overhang of cab, max., length to tail	4,88 m
Front swing radius	2,62 m
Tail slew radius	2,26 m
Total machine weights with elevated cab	16,8–18,5 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:	
In cab, acc. to ISO 6396	70 LpA dB(A)
External, acc. to ISO 6395	101 LwA dB(A)
(Directive 2000/14/EC)	

Undercarriage

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

Framework: All-welded robust torsion box frame.
Wheels: Alternative single and twin wheels available.

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

Twin wheels	10,00–20
Max. tractive force (net)	99,5 kN
Travel speed:	
on road	30,0 km/h
with elevated cab limited to max.	20,0 km/h
off road	5,0/7,4/8,7 km/h
creep	3,7 km/h
Min. turning radius	7,3 m

Brakes

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

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

Digging brake: service brake with mechanical lock system.

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

Total machine weights

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

Total machine weights :	
with elevated cab	16,8–18,5 t
Dozer blade front and outriggers rear	17 880 kg / 18 220* kg
Dozer blade rear excl. outriggers	16 800 kg / 17 140* kg
Front and rear outriggers	18 130 kg / 18 470* kg

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

Service refill capacities

Fuel tank	250 l
Hydraulic system, total	260 l
Hydraulic tank	123 l
Engine oil	25 l
Engine coolant	27 l
Transmission	2,5 l
Axle differential:	
Front axle	9,5 l
Rear axle	12,5 l
Final drive, wet disc type	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:

Max. flows:

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

Max. pressure:	
Implements	32,5/36 MPa
Travel system	36 MPa
Pilot System	3,5 MPa

Slew system

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

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

Pictures Titlepage : Options

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	

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 EAES
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.

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 22,15–23,85 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 22,15–23,85 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

Axle differential:

Front axle 9,5 l

Rear axle 12,5 l

Final drive, wet disc type 4 x 2,5 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.

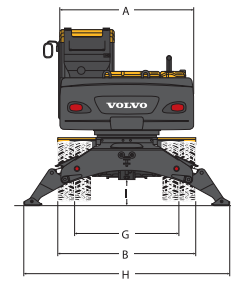
Max slew speed 11,6 rpm

Max. slew torque 766 kNm

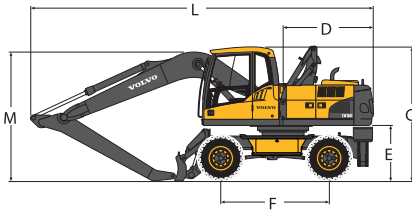
Front swing radius 2,64 m

Tail slew radius 2,75 m

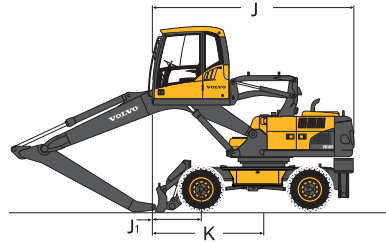
DIMENSIONS EW160C RECYCLING OPTIONS



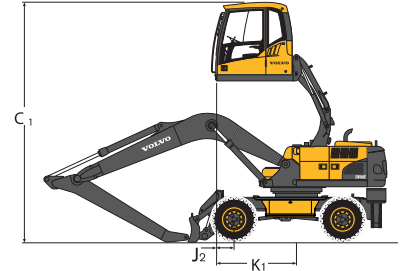
Elevated cab rear view; cab and outrigger down



Elevated cab mono boom in transport position



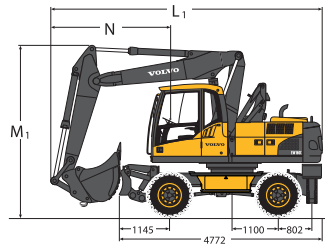
Elevated cab mono boom in maximum overhang position



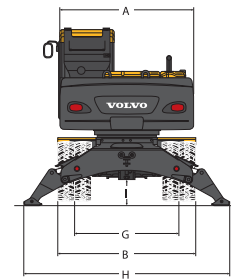
Elevated cab mono boom in highest position

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				
C1. Overall height, cab at max. lifting height	mm	5 600				
D. Tail slew radius	mm	2 260				
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	5,0 m monoblock boom, arm :				
	m	2,0	2,45	2,6	3,1	2,95*
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*
L1. Overall length	mm	-	-	-	-	-
M1. Overall height of boom	mm	-	-	-	-	-
N. Front overhang	mm	-	-	-	-	-

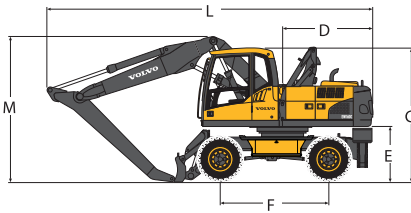
*Grab arm, without clamshell bucket, ** Without bucket. *** Machine equipped with 4 outriggers



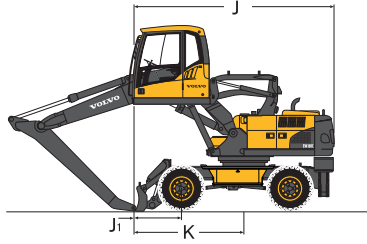
Elevated cab driving position



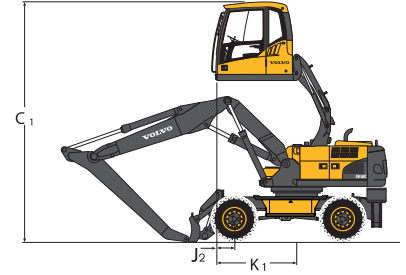
Elevated cab rear view; cab and outrigger down



Elevated cab 2-piece boom in transport position



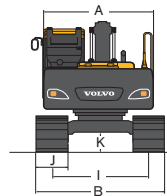
Elevated cab 2-piece boom in maximum overhang position



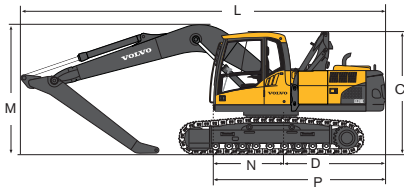
Elevated cab 2-piece boom in highest position

Description	Unit	5,1 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				
C ₁ . Overall height, cab at max. lifting height	mm	5 600				
D. Tail slew radius	mm	2 260				
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 ₁ . Front overhang of cab, max.	mm	1 150				
J ₂ . Front overhang of cab at max. lifting height	mm	670				
K. Front swing of cab at max. overhang	mm	2 650				
K ₁ . 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*
L ₁ . Overall length	mm	6 415	6 455	6 465	6 655**	6 110*
M ₁ . 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*

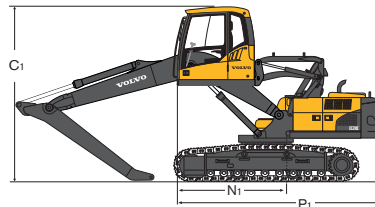
DIMENSIONS EC210C RECYCLING OPTIONS



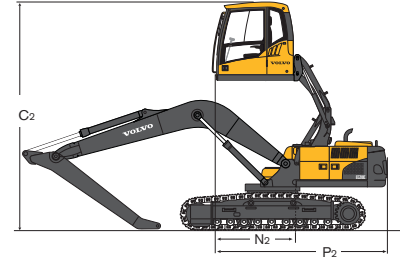
Elevated cab rear view; cab and outrigger down



Elevated cab mono boom in transport position

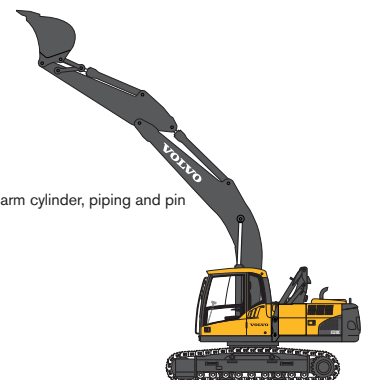


Elevated cab mono boom in maximum overhang position

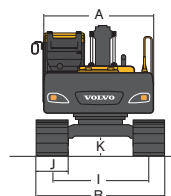


Elevated cab mono boom in highest position

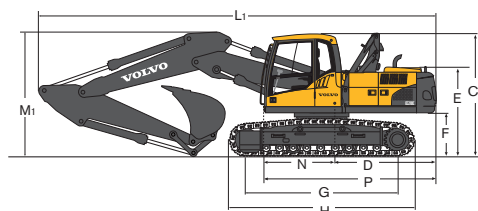
Description	Unit	EC210C L, 5,7 m monoblock boom; arm :					EC210C NL, 5,7 m monoblock boom; arm :				
		2,0	2,5	2,9	3,5	4,2	2,0	2,5	2,9	3,5	4,2
Max. lifting capacity	t	12,5**	13,7**	14,6**	14,0**	15,0**	12,5***	13,7***	14,6***	14,0***	15,0***
A. Overall width of superstructure	mm	2540	2540	2540	2540	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	4180	4180	4180	4180	4180	4180	4180	4180	4180	4180
C2. Overall height, cab at max. lifting height	mm	5470	5470	5470	5470	5470	5470	5470	5470	5470	5470
D. Tail slew radius	mm	2750	2750	2750	2750	2750	2750	2750	2750	2750	2750
E. Overall height of engine hood	mm	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180
F. Counterweight clearance *	mm	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025
G. Tumbler length	mm	3660	3660	3660	3660	3660	3660	3660	3660	3660	3660
H. Track length	mm	4460	4460	4460	4460	4460	4460	4460	4460	4460	4460
I. Track gauge	mm	2390	2390	2390	2390	2390	2040	2040	2040	2040	2040
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	9675	9650	9590	9585	9580	9675	9650	9590	9585	9580
M. Overall height of boom	mm	3170	3120	3000	3260	3500	3170	3120	3000	3260	3500
N. Front swing of cab	mm	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830
N1. Front swing of cab	mm	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640
N2. Front swing of cab	mm	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910
P. Front overhang of cab, max., length to tail	mm	4580	4580	4580	4580	4580	4580	4580	4580	4580	4580
P1. Front overhang of cab, max., length to tail	mm	5390	5390	5390	5390	5390	5390	5390	5390	5390	5390
P2. Front overhang of cab, max., length to tail	mm	5390	5390	5390	5390	5390	5390	5390	5390	5390	5390
Description	Unit	Monoblock boom					Includes bucket cylinder, linkage and pin				
	m	5,7									
Length	mm	5910									
Height	mm	1585									
Width	mm	670									
Weight	kg	1785									
Description	Unit	Arm					Includes arm cylinder, piping and pin				
	m	2,0	2,5	2,9	3,5	4,2					
Length	mm	3065	3525	3910	4540	5130					
Height	mm	980	860	860	855	750					
Width	mm	440	440	440	440	350					
Weight	kg	970	975	1000	1110	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

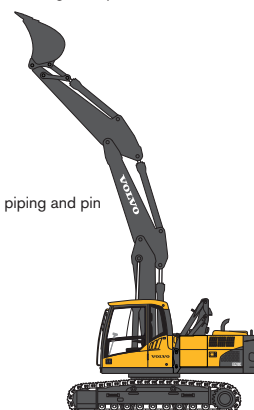


Elevated cab 2-piece boom in transport position

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
C ₁ . Overall height, cab at max. front overhang	mm	4180	4180	4180	4180	4180	4180	4180	4180
C ₂ . Overall height, cab at max. lifting height	mm	5470	5470	5470	5470	5470	5470	5470	5470
D. Tail slew radius	mm	2750	2750	2750	2750	2750	2750	2750	2750
E. Overall height of engine hood	mm	2180	2180	2180	2180	2180	2180	2180	2180
F. Counterweight clearance *	mm	1025	1025	1025	1025	1025	1025	1025	1025
G. Tumbler length	mm	3660	3660	3660	3660	3660	3660	3660	3660
H. Track length	mm	4460	4460	4460	4460	4460	4460	4460	4460
I. Track gauge	mm	2390	2390	2390	2390	2040	2040	2040	2040
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
L ₁ . Overall length	mm	9565	9515	9480	9360	9565	9515	9480	9360
M ₁ . Overall height of boom	mm	3070	3040	2960	3550	3070	3040	2960	3550
N. Front swing of cab	mm	1830	1830	1830	1830	1830	1830	1830	1830
N ₁ . Front swing of cab	mm	2640	2640	2640	2640	2640	2640	2640	2640
N ₂ . Front swing of cab	mm	1910	1910	1910	1910	1910	1910	1910	1910
P. Front overhang of cab, max., length to tail	mm	4580	4580	4580	4580	4580	4580	4580	4580
P ₁ . Front overhang of cab, max., length to tail	mm	5390	5390	5390	5390	5390	5390	5390	5390
P ₂ . Front overhang of cab, max., length to tail	mm	5390	5390	5390	5390	5390	5390	5390	5390

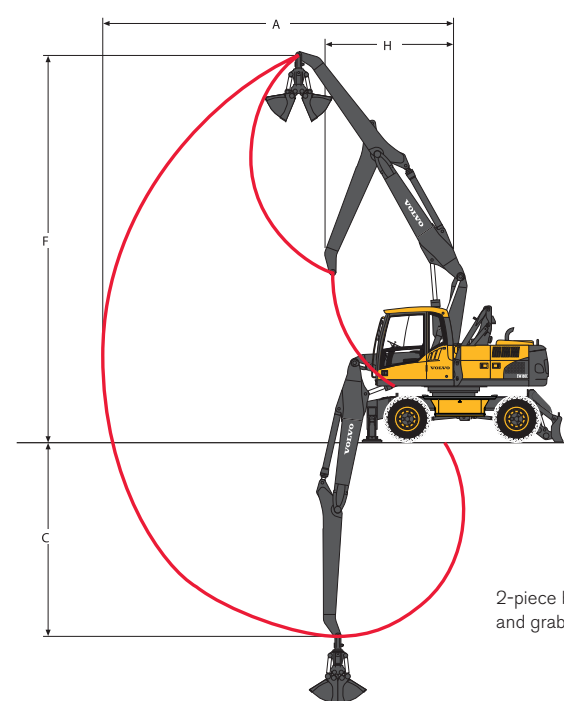
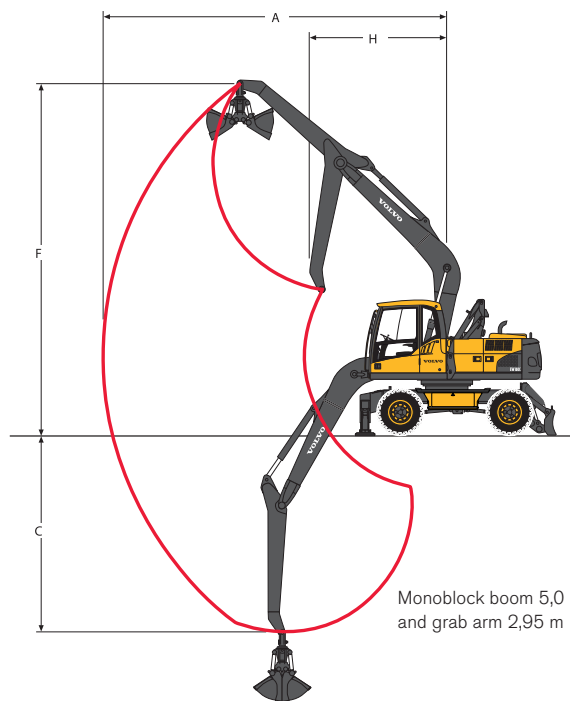
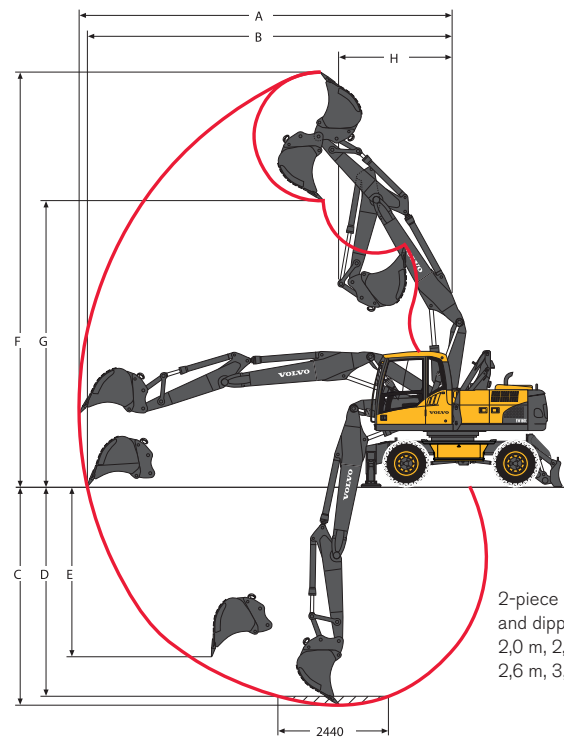
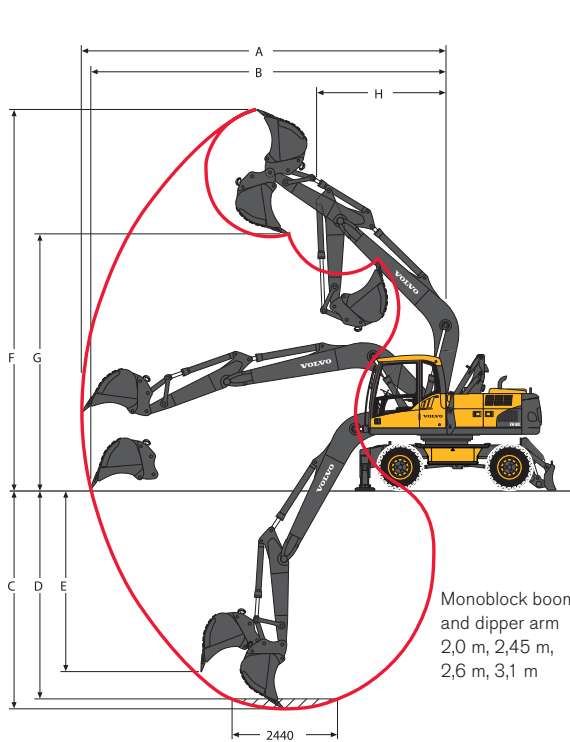
Description	Unit	2-piece boom			
		5,57			
Length	mm	5 780			
Height	mm	1 570			
Width	mm	670			
Weight	kg	2 240			
Description	Unit	Arm			
		2,0	2,5	2,9	4,2
Length	mm	3 065	3 525	3 910	5 130
Height	mm	980	860	860	750
Width	mm	440	440	440	350
Weight	kg	970	975	1 000	800

Includes bucket cylinder, linkage and pin



Includes arm cylinder, piping and pin

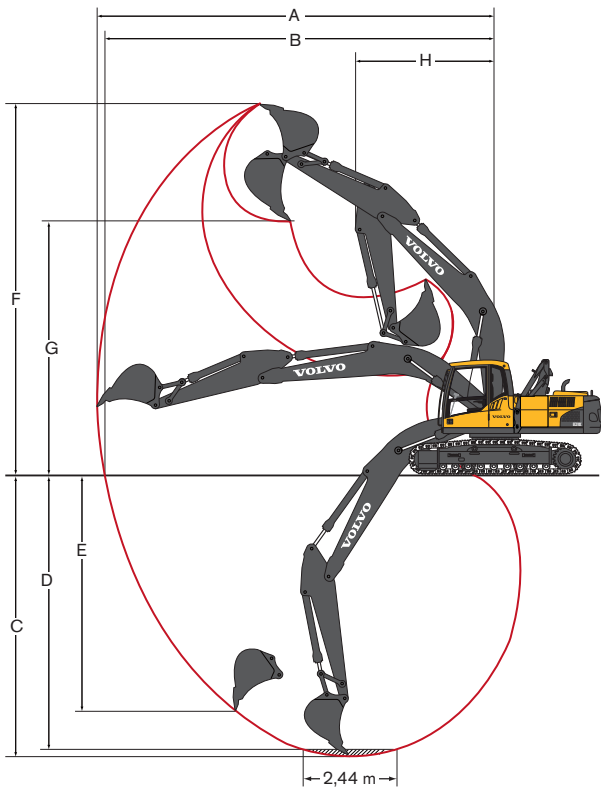
WORKING RANGES & DIGGING FORCES EW160C RECYCLING OPTIONS



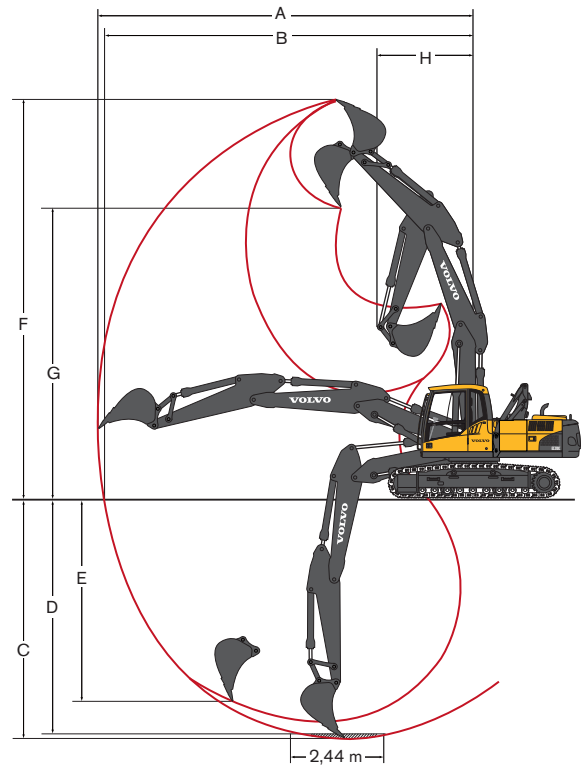
Description	Unit	5,0 m monoblock boom, arm :					5,1 m 2-piece boom, arm :				
	m	2,0	2,45	2,6	3,1	2,95*	2,0	2,45	2,6	3,1	2,95*
A. Max. digging reach	mm	8590	9010	9160	9630	8050	8730	9160	9300	9780	8190
B. Max. digging reach on ground	mm	8390	8820	8970	9460	-	8530	8970	9120	9610	-
C. Max. digging depth	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

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	9 090	9 540	9 940	10 394	9 820	8 980	9 450	9 840	9 750
B. Max. digging reach on ground	mm	8 910	9 350	9 750	10 240	-	8 900	9 280	9 680	-
C. Max. digging depth	mm	5 830	6 330	6 730	7 330	6 600	5 410	5 930	6 300	6 170
D. Max. digging depth (2 440 mm level)	mm	5 560	6 110	6 510	7 150	-	5 290	5 820	6 200	-
E. Max. vertical wall digging depth	mm	4 800	5 520	5 830	6 170	-	4 350	4 910	5 320	-
F. Max. cutting height	mm	8 940	9 220	9 450	9 460	9 130	10 010	10 390	10 710	10 530
G. Max. dumping height	mm	6 190	6 430	6 650	6 700	-	7 100	7 470	7 780	-
H. Min. front slew radius	mm	3 800	3 670	3 650	3 630	3 540	2 900	2 740	2 440	2 930

Machine with direct fit bucket

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)																								
		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	Max. m				
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																					2,6	*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																					2,5	*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																					2,1	*2,3	*2,3	*2,3	6,9
	4,5 m																					2,7	*3,6	*3,6	*3,6	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	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	*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	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					1,5	*3,0	2,6	*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																					2,5	*2,7	*2,7	*2,7	6,8
	4,5 m																					3,0	*4,1	*4,1	*4,1	7,6
	3,0 m																					2,1	*3,0	*3,0	*3,0	8,0
	1,5 m																					2,0	4,1	3,1	*4,5	8,0
	0,0 m																					2,0	4,0	3,1	*4,7	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																					3,8	*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																									
	4,5 m																									
	3,0 m																									
	1,5 m																									
	0,0 m																									
	-1,5 m																									
	-3,0 m																									
	-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																					2,4	2,7	*3,1	*3,1	6,2
	4,5 m																					1,9	2,2	*2,9	*2,9	7,0
	3,0 m																					1,7	2,0	*3,0	*3,0	7,4
	1,5 m																					1,6	1,9	2,9	*3,1	7,5
	0,0 m																					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:
- 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)																												
		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	Max. m												
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	2,7	*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														
	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						
	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						
	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						
	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						
	-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										
	-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										
	-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																		
	4,5 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										
	3,0 m								3,8	*6,5	*6,5	*6,5	2,5	*5,0	4,1	*5,0														
	1,5 m								3,5	*7,5	6,1	*7,5	2,4	5,3	4,0	*5,5														
	0,0 m								3,4	*7,8	6,0	*7,8	2,3	5,2	3,9	*5,7														
	-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										
	-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																		
	4,5 m								4,1	*4,1	*4,1	*4,1	2,7	*4,1	*4,1	*4,1														
	3,0 m								*6,1	*6,1	*6,1	*6,1	4,2	*4,8	*4,8	*4,8	2,7	*4,3	*4,3	*4,3										
	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						
	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						
	-1,5 m								3,4	*7,7	5,9	*7,7	2,3	5,2	3,9	*5,6														
	-3,0 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										
	-4,5 m								3,4	*6,5	6,0	*6,5																		
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	2,7	*4,0	*4,0	*4,0														
	4,5 m								4,2	*4,7	*4,7	*4,7	2,7	*4,1	*4,1	*4,1														
	3,0 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						
	1,5 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						
	0,0 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						
	-1,5 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										
	-3,0 m								3,4	*6,6	6,0	*6,6																		
	-4,5 m																													
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														
	4,5 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						
	3,0 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						
	1,5 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						
	0,0 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 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						
	-3,0 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										
	-4,5 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. reach 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			*7,1	*7,1	*7,1	*7,1	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			*6,1	*6,1	*6,1	*6,1	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	4,1	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.



• Micro filter, removeable



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Lifting capacity EC210CL

At the arm end, without bucket.

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.

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.

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									*5,7	4,7						*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			4,7	2,6	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																*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.




















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Lifting capacity EC210CNL

At the arm end, without bucket.

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 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

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
CareTrack via satellite
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.

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

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
CareTrack via satellite

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 5,6 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

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



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



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

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