

V O L V O



Volvo Compact Excavators 1.79-2.06 t

EC18 ELECTRIC, ECR18 ELECTRIC

Volvo Construction Equipment



Welcome to our world

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

Welcome to the world of Volvo Construction Equipment – we think you're going to like it here.

Small machines, big results

With decades of experience in the design and manufacture of compact excavators and wheel loaders, our range of compact machinery is designed with customer success in mind. Built from the same DNA as large Volvo machinery, our compact range sets the standard for efficiency performance and uptime – complemented by an extensive range of Volvo attachments for maximum versatility.

Building on our proud history, the Volvo Concept Lab continues to create cutting-edge ideas and innovative concepts – such as our award-winning electric compact machines – to ensure we offer our customers machines which deliver big results long into the future.



Solutions for you

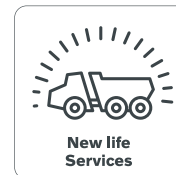
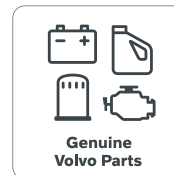
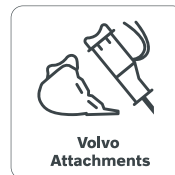
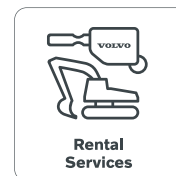
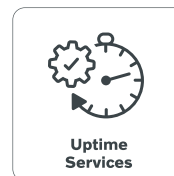
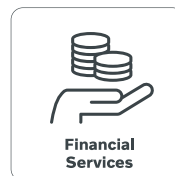
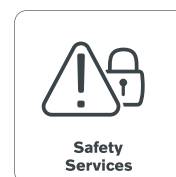
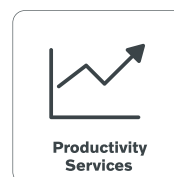
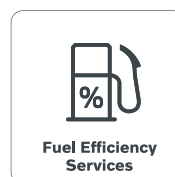
Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

Designed for your business

Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

There when you need us

Whether you're buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It's the basis of everything offered by Volvo Services, so you can be confident we've got you covered right from the start.



BUILDING TOMORROW





TAKE YOUR BUSINESS TO NEW PLACES

Building on the success of the ECR25 Electric and expanding on the proven technology of their diesel counterparts, the introduction of the EC18 Electric and ECR18 Electric Compact Excavators opens up a new category within the Volvo electric machinery portfolio.

Work anytime, anywhere

The EC18 Electric and ECR18 Electric boast both low noise and zero-tailpipe emissions, creating new opportunities for your business. Operate in noise sensitive areas and out of standard hours, as well as on low-carbon projects and indoors, without the need for costly fume extraction systems or being restricted by operator time limits.



Create a better work environment

Operators will experience the world-class operator environment for which Volvo is renowned, including large entrance, superior visibility and comfort levels, further enhanced thanks to a dramatic reduction in noise, vibration and heat, and no exhaust fumes. This all contributes towards a quieter and cleaner jobsite, improving communication and working conditions for all personnel.

Small but tough

With a variable undercarriage that retracts to less than 1m and expands up to 1.35m, combined with a reduced machine height to less than 2.35m, you can count on the compact excavator to deliver superior performance when working in confined spaces. The machine design ensures that the right frame corner, swing post and cylinder stay within the tracks' width, resulting in maximum visibility and a reduced risk of machine damage when working alongside obstacles.

Unrivalled operator experience

The Volvo Electric Compact Excavators provide everything you would expect from their diesel counterparts, including heated cab (EC18 Electric only), ergonomic and intuitive controls, unrivalled combination of movements as well as best-in-class stability.

This is further enhanced by a number of features unique to the electric concept more responsive hydraulics due to the immediate torque, and a range of customizable settings to adapt machine behavior according to the type of work and operator preference. Auxiliary hydraulic flows and joystick responsiveness are easily adjusted from the user-friendly interface.







MAKE THE MOST OF EVERY CHARGE

The EC18 Electric can deliver up to 6 hours of work per charge depending on the environment and task at hand. For example, 4 hours 30 minutes of non-stop work could be expected when grading with a ditching bucket, and 2 hours when trenching.

The ECR18 Electric can deliver up to 5 hours of work per charge depending on the environment, task at hand and work mode. For example, 3 hours 30 minutes of non-stop work could be expected when grading continuously.

To find out if an electric Volvo machine is the right fit for your activities, just talk to your dealer, who can help you calculate operating time and the optimum charging solution based on your operation.

Uptime you can count on

Enter the brave new world of electric machinery with complete confidence thanks to a range of solutions and services from Volvo. Count on the best battery technology, reduced servicing, fast-charging solutions and impressive warranties to give you complete peace of mind that your EC18 Electric and ECR18 Electric will deliver all the performance and uptime which your operation demands.



Flexible charging solutions

The Volvo EC18 Electric and ECR18 Electric come with an on-board charger which supplies a 3 kW power output to the batteries, allowing the machine to charge from 0% to 100% in as little as 6 hours for EC18 Electric and 5 hours for ECR18 Electric. They come with the necessary charging cable, plug and adapters to charge from a wall socket or wallbox.

When projects and applications demand faster charging, a range of optional fast off-board chargers are available for both indoor and outdoor use. These will charge the EC18 Electric and ECR18 Electric from 0 to 80% in up to 1 hour 15 minutes and 1 hour respectively.

The best battery technology

The best machines deserve the best power solutions, which is precisely what you can expect in the Volvo Electric Compact Excavators, equipped with a lithium-ion 48V battery. Simply put, this is the best technology for the job with a capacity of 20 kWh for the EC18 Electric, and 16 kWh for the ECR18 Electric.

What's more, the battery is designed to deliver up to 2,000 full charge cycles, accounting for the full life expectancy of the machine.

Reduced maintenance

Give your uptime a boost and reduce maintenance requirements thanks to the fully electrified machine, powered by a maintenance-free motor. What's more, the electric motors stop when the machine is not working or moving, eliminating unnecessary wear.



EMMA: your uptime partner

Stay ahead of charging requirements and ensure your Volvo electric machine is ready for action with our Electric Machine Management Application. 'EMMA' is a web application providing insight into your machine, including charging status, battery level and geographic location. Simply access the application on any internet-connected device to gain valuable information to help you manage the charging process more efficiently and maximize machine uptime.

5 years premium support*

In addition to the first-class back-up and support from your Volvo dealer, Volvo CE electric machines come complete with 2-year free servicing and a 2-year full machine warranty. Furthermore, by signing up for a maintenance agreement after year 2, the battery and electronic components are covered free of charge against defects for an additional 3 years.

**Check details with your local dealer*



◀ Here is how a day out
with EMMA looks like

EC18 Electric:

A proven past, an electric future

Zero emission electric power

- No emission locally
- Sound level down
- Low electricity cost
- No power consumption when machine not working

Flexible charging solutions

- Safe and standard Electric Vehicles (EV) charging protocol
- 0 to 100% in up to 6 hours on a 16A workshop outlet
- Standard fast charger preparation
- 0 to 80% in up to 1 hour 15 minutes with our selection of fast chargers
- Keep track of charging status, battery level and geographic location with EMMA, the Electric Machine Management Application

State-of-the-art battery technology

- 2 to 6 hours of run time depending on application
- Operating time calculator available (contact your dealer)
- 48V lithium-ion, maintenance-free battery
- Designed to deliver up to 2,000 full charge cycles
- 5-year battery warranty

Reduced maintenance

- Maintenance-free electric motor, featuring auto shutoff to save wear
- Easy access to components
- 50-hours greasing intervals

Small but tough

- Overall minimum width of 995 mm with expendable undercarriage
- Short radius
- Front right corner, swing post and cylinder within tracks' width
- High-profile cast-iron counterweight
- All-round steel panels recessed from counterweight
- Hoses routed inside the boom



A new level of operator comfort

- Large entrance, spacious and uncluttered heated cab
- Superior visibility, low vibration
- 5" color display with jog wheel navigation
- Extensive information and customization abilities
- Simplified menu for better control over settings management
- Fingertip controls, with adjustable hydraulic flow
- Secondary accessory circuit
- Double acting circuit for hydraulic quick coupler

Go where others can't

- Electric vehicles are a requirement of tenders in many cities
- Ability to work indoor
- Ability to work out of standard hours
- Get access to low-carbon projects
- Removed need for fume extraction systems and operator time limits

Proven performance

- Same performance as its diesel equivalent
- Great stability for safety and comfort
- Outstanding lifting capacity
- Great combined movements performance
- Wide range of Volvo Attachments



Explore
the machine
in our walkaround
video



ECR18 Electric: Still as compact, far more discreet

Zero emission electric power

- No emission locally
- Sound level down
- Low electricity cost
- No power consumption when machine not working

Flexible charging solutions

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- 48V lithium-ion, maintenance-free battery
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- 5-year battery warranty

Reduced maintenance

- Maintenance-free electric motor, featuring auto shutoff to save wear
- Easy access to components
- 50-hours greasing intervals

Small but tough

- Overall minimum width of 995 mm with expendable undercarriage
- Ultra-short tail radius
- Front right corner, swing post and cylinder within tracks' width
- High-profile cast-iron counterweight
- All-round steel panels recessed from counterweight
- Hoses routed inside the boom



A new level of operator comfort

- Large entrance, spacious and uncluttered operator environment
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- 5" color display with jog wheel navigation
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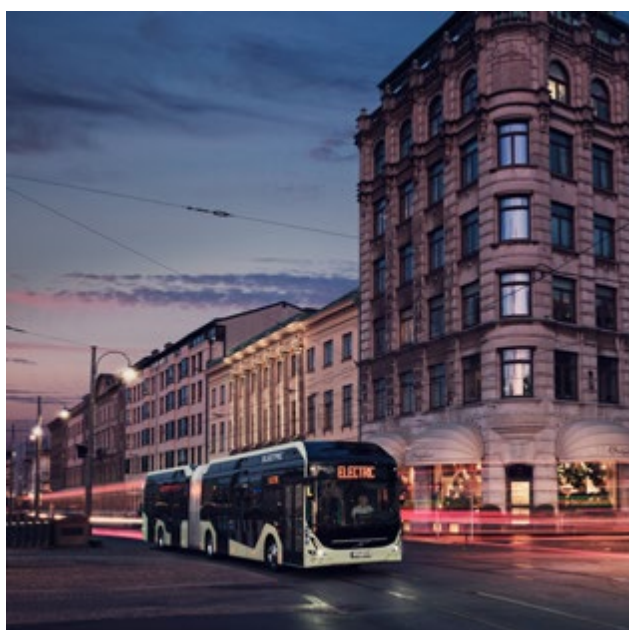
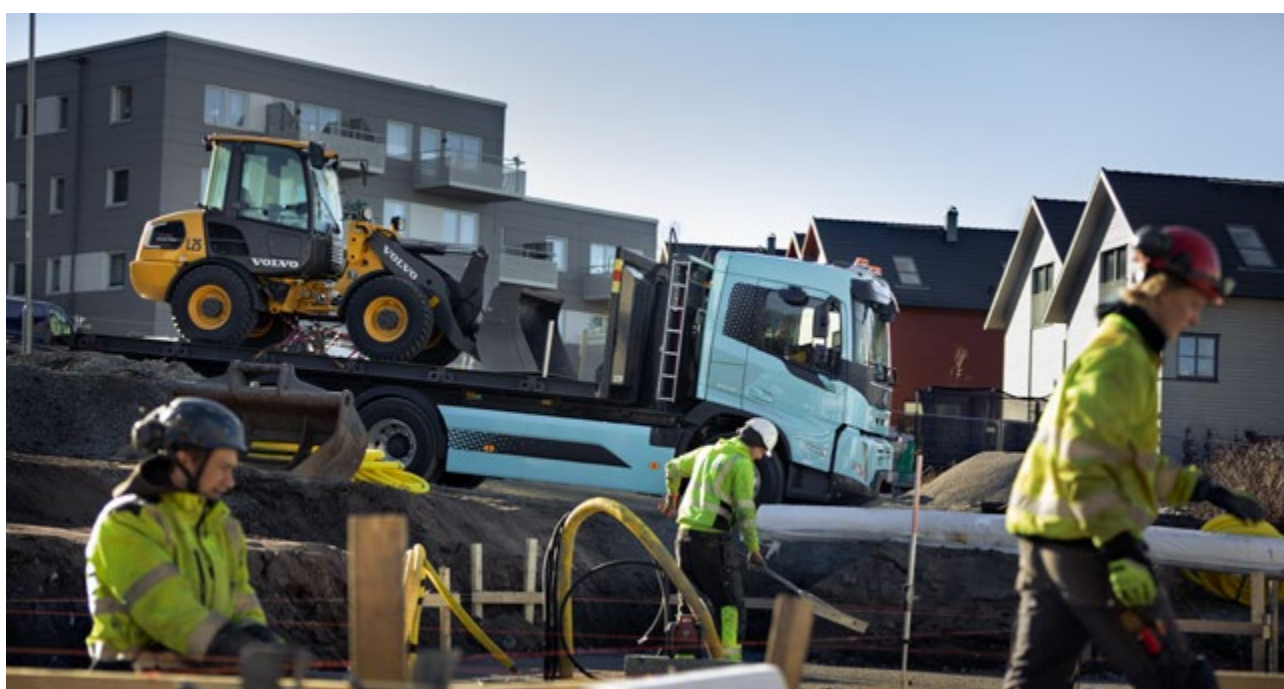
Explore
the machine
in our walkaround
video





A commitment to electric

At Volvo Construction Equipment we are committed to building the world we want to live in. A world where progress is made in a sustainable, efficient and peaceful way. The EC18 Electric and ECR18 Electric are just one part of this and join an ever-growing portfolio of Volvo electric machines, trucks and buses – helping to raise the bar for our industry when it comes to electric solutions.



**JOIN THE ELECTRIC
REVOLUTION**



Reserve your Volvo electric
construction machine online!

Volvo EC18 Electric, ECR18 Electric in detail

	EC18 Electric	ECR18 Electric
Electrical System		
Battery Type	Lithium-ion	Lithium-ion
Battery Voltage	V	48
Battery capacity	kWh	20
	Ah	450
Indicative runtime (depending on application)	hours	up to 6
Auxiliary Battery Voltage	V	12
Electrical motor		
Motor type	Permanent magnet	Permanent magnet
Motor power (peak)	kW	18
Motor power (continuous)	kW	12.5
Operating mode max. / Standard	r/min	2 550
Operating mode max. / Eco	r/min	2 250
Operating mode max. / Boost	r/min	3 000
Swing system		
Max, slew speed	r/min	9.5
Max, slew torque	daNm	243
Travel System		
Max, drawbar pull	daN	1 300
Max. travel speed low	km/h	1.8
Max. travel speed high	km/h	3.5
Gradeability	°	30
Digging Performances		
Standard bucket width (blade, W/O side cutter)	mm	450
Standard bucket mass	kg	33
Standard bucket rated capacity	l	36
Bucket rotation	°	196
Bucket breakout force (ISO)	daN	1 290
Short arm tearout force (ISO)	daN	795
Long arm tearout force (ISO)	daN	695

	EC18 Electric	ECR18 Electric
Hydraulic system		
Maximum system flow	l/min	34
Maximum flow for accessories	l/min	30
Maximum flow for 2nd accessory circuit	l/min	23
Maximum operating pressure	MPa	17
Weight and Ground Pressure		
Operating weight according to ISO 6016	kg	1 955
Ground pressure (cab)	kPa	28.9
Ground pressure (canopy)	kPa	27
Transport weight	kg	1 880
With rubber tracks	mm	230
With short arm	mm	950
With canopy	-kg	84
With long arm	+kg	4
With long arm and heavy counterweight	+kg	42
With heavy counterweight	+kg	38
With steel tracks	+kg	32
Service Refill		
Hydraulic system, total	l	21
Hydraulic tank	l	15
Undercarriage		
Bottom/top rollers per side	3 / 0	3 / 0
Track tension	By grease piston	By grease piston
Blade (width x height)	mm	1 340 x 230

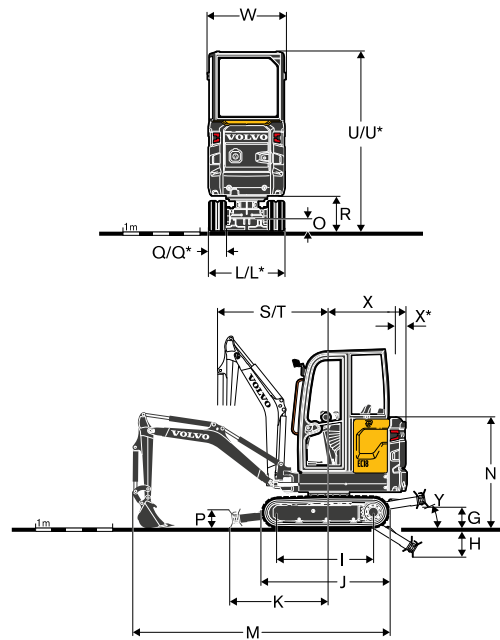
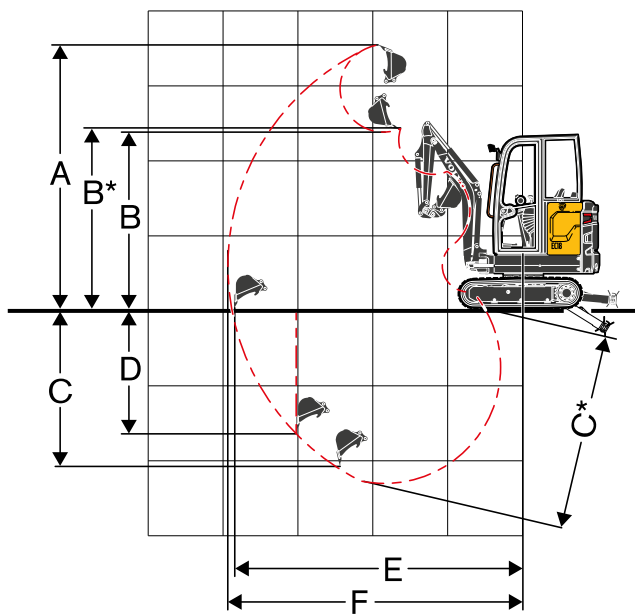
Attachments specifications

		General Purpose buckets								Aggressive Cut buckets			Ditching buckets				Hydraulic breaker HB02 Low Noise
	Unit	200	250	300	400	450	500	600	350	550*	550	850	1000	850	1000		
Quick Coupler type	mm	200	250	300	400	450	500	600	350	550*	550	850	1000	850	1000	-	
Volvo mechanical (pin-on)	l	14	19	23	32	36	41	51	-	-	-	59	76	59	-	Pin-on bracket	
Lehnhoff® mechanical	l	-	-	23	32	-	41	-	-	-	-	59	76	59	-	Lehnhoff type bracket	
Mechanical, symmetrical type	l	-	-	-	-	-	-	-	25	55	55	-	76	-	76	Symmetrical type bracket	

*with teeth

For more details, see Attachments catalogue

Specifications EC18 Electric

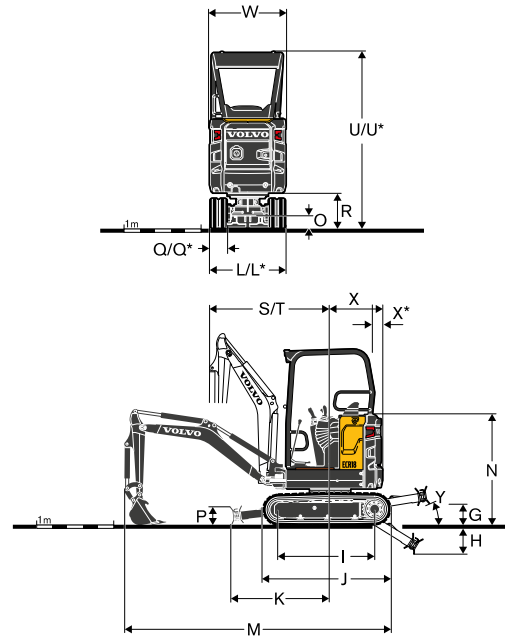
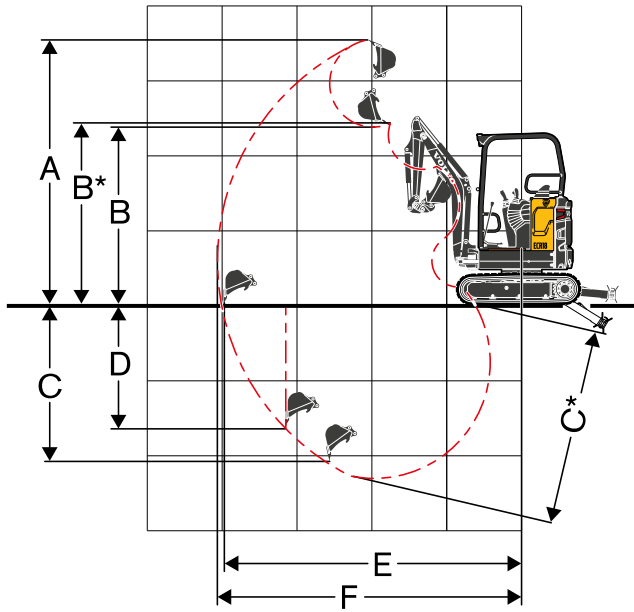


DIMENSIONS

Description		Unit	EC18 Electric	
Arm		mm	950	1 150
A	Maximum cutting height	mm	3 439	3 582
B	Maximum dump height	mm	2 444	2 588
B*	Maximum bucket clearance	mm	2 482	2 625
C	Digging depth	mm	2 234	2 434
C*	Maximum digging depth	mm	2 500	2 700
D	Maximum vertical wall digging depth	mm	1 898	2 091
E	Maximum digging reach at ground level	mm	3 800	3 993
G	Highest position dozer blade	Short blade mm	225	
		Long blade mm	267	
H	Lowest position dozer blade	Short blade mm	296	
		Long blade mm	386	
J	Track length	mm	1 620	
K	Dozer blade, maximum reach at ground level	Short blade mm	1 082	
		Long blade mm	1 272	
L	Overall width with 230mm tracks	Min mm	995	
		Max mm	1 352	
M	Overall length	mm	3 550	3 431
M*	Transport length (arm lowered)	Short blade mm	3 810	3 824
		Long blade mm	4 000	4 014
P	Dozer blade height	mm	231	
Q	Shoe width (rubber)	mm	230	
Q(*)	Shoe width (steel)	mm	230	
R	Ground clearance to superstructure	mm	456	
S	Front slew radius	mm	1 455	1 476
T	Front slew radius with maximum offset	mm	1 181	1 184
U	Overall height cab	mm	2 334	
U*	Overall height canopy	mm	2 298	
X	Tail slew radius	mm	1 018	
X*	Rear overhang (across tracks)	mm	342	
β_1	Maximum boom offset to the right	mm	419	
β_2	Maximum boom offset to the left	mm	525	

(*) Option

Specifications ECR18 Electric



DIMENSIONS

Description		Unit	ECR18 Electric	
Arm		mm	950	1 150
A	Maximum cutting height	mm	3 442	3 582
B	Maximum dump height	mm	2 444	2 588
B*	Maximum bucket clearance	mm	2 482	2 625
C	Digging depth	mm	2 234	2 434
C*	Maximum digging depth	mm	2 528	2 727
D	Maximum vertical wall digging depth	mm	1 898	2 091
E	Maximum digging reach at ground level	mm	3 921	4 113
G	Highest position dozer blade	Short blade mm	225	
		Long blade mm	267	
H	Lowest position dozer blade	Short blade mm	267	
		Long blade mm	386	
J	Track length	mm	1 620	
K	Dozer blade, maximum reach at ground level	Short blade mm	1 082	
		Long blade mm	1 272	
L	Overall width with 230mm tracks	Min mm	995	
		Max mm	1 352	
M	Overall length	mm	3 431	3 309
M*	Transport length (arm lowered)	Short blade mm	3 932	3 944
		Long blade mm	4 122	4 134
P	Dozer blade height	mm	231	
Q	Shoe width (rubber)	mm	230	
Q ⁽¹⁾	Shoe width (steel)	mm	230	
R	Ground clearance to superstructure	mm	456	
S	Front slew radius	mm	1 575	1 568
T	Front slew radius with maximum offset	mm	1 269	1 287
U*	Overall height canopy	mm	2 298	
X	Tail slew radius	mm	688	
X*	Rear overhang (across tracks)	mm	12	
β ₁	Maximum boom offset to the right	mm	516	
β ₂	Maximum boom offset to the left	mm	640	

(¹) Option

Equipment EC18 Electric

STANDARD EQUIPMENT
Drivetrain
Automatic two-speed travel hydraulic motors with reduction gears
Inner flange bottom rollers lubricated for life
Grease tensioning wheel lubricated for life
Electric / Electronic control system
Maintenance free 48V battery - fixed for anti-theft protection
On-board charger with Type 2 socket
Standard charger cable with 3 plugs (domestic - white, CEE 16A 1 phase - blue, and CEE 32A 3 phase - Red)
Fast charger ready with weather protected socket
Maintenance free 12V auxiliary battery
High quality connectors
Protected battery cut-off switch
Auto-idling and auto-shutdown function on electric motor
Swing system
Radial piston hydraulic motor with integrated shockless valve
Automatic multi-disc spring applied hydraulic released slew brake
Centralized and remote lubrication of crown wheel and ball bearing
Superstructure
Stamped steel panels all-around, recessed 5 to 15mm
4 integrated tie-down points on upper structure
Undercarriage
Box welded fabricated frame
Sturdy removeable protecting covers for track motors and slew system
Box section highly rigid dozer blade structure
Hydraulic system
High performance Volvo hydraulic system
Flow-Sharing and Load Sensing main control valve
Boom cylinder cushioning at end stroke (up)
Patented filtering and filling element
Large side by side oil cooler and radiator
Double-acting hydraulic circuit for accessories
Breaker/Shear valve
Hydraulic hoses routed inside the boom for increased protection
Plastic tank with drain plug
Cab / Canopy
Cushionned operator station
Large entrance access
Large and roomy uncluttered floor
Highly visible orange footstep
Highly visible orange seatbelt with warning indicator
Warning beacon, flashing LED
Front cabin LED worklight
Right and left rear-view mirror
White noise travel alarm
Toolbox with integrated storage for operator's manual and lockable door
Cab
Highly visible orange handrail
Flat toughened glass all-around
Gas-strut assisted front window opening
Front windscreen wiper and washer nozzle
Right hand side sliding window
Heating systems with in-cab adjustment of temperature and air flow, and multiple air vents
Filtered air inlet
Radio preparation (antenna, wire harness)
Additional lockable storage box (behind the seat)

STANDARD EQUIPMENT
Digging equipment
Casted end and structural parts on arm, pivot, undercarriage and upper structure nozzle
Monoblock box welded fabricated boom and arm
Long-life steel bushings & hardened, pre-lubricated and corrosion resistant pins
50-hours intervals on all grease points
Machine controls
Automatic locking device for pilot controls and travel levers when the left console is raised
Proportional and adjustable fingertip control for boom offset and auxiliary circuit
Large travel pedals
Breaker (full flow) toggle switch on right joystick
Pressure accumulator to lower the equipment on the ground
Instrumentation and monitoring
High contrast colour 5" LCD display with day and night modes enabling good readability whatever lighting conditions
Jogwheel for easy navigation and electric motor speed adjustment
Simplified menus with master profile for full control and user profile with limited customization
3 working modes: Standard, ECO and Boost
Built-in anti-theft feature
Several warning messages, coupled to needed action, in the event of malfunction
Volvo Telematic System
Official approval
Machine conforming to European directive 2006/42/EC
Low voltage certified according to European directive 2014/35/EU
Noise emissions in the environment conforming to directive 2000/14/EC
Hand Arm Vibrations - Whole Body Vibrations compliant with directive 2002/44/EC
Electromagnetic compatibility (EMC) conforming to European directive 2014/30/EU
Object handling device conforming to EN 474-1 and EN 474-5 standards
ROPS (Roll-Over Protective Structure) conforming to ISO 3471
TOPS (Tip-Over Protective Structure) conforming to ISO 12117 and EN 13531 standards
OPG 1 (Operator Protective Guard on top) conforming to ISO 10262 standard (when equipped)
FOPS (Falling Object Protective Structure) conforming to EN ISO 3449

Equipment EC18 Electric

OPTIONAL EQUIPMENT

Operator environment

Robust 4-pillar structure canopy

Heated cab

Vinyl seat with mechanical suspension, extended back with lumbar adjustment and 2" orange retractable seatbelt

Fabric seat with mechanical suspension, extended back with lumbar adjustment and 2" orange retractable seatbelt

Electrical switch for ISO/SAE control pattern change

Radio, AUX, USB, Bluetooth

Radio DAB, USB, Bluetooth, MP3

Controls lock, switch

Controls lock, seat operator presence and switch

Controls lock, seatbelt sensor

Front guard OPG1 for canopy

Tool kit

Machine exterior

LED worklights package

Green beacon link to safety belt

Heavy counterweight

Several level of customisation (RAL specifications) to match with your corporate identity

Undercarriage

230mm rubber tracks

230mm steel tracks

Short dozer blade

Long dozer blade

Hydraulics

Relief valve for auxiliaries

Hydraulic drain for accessories

Second accessory circuit with proportional and adjustable controls

Kit 2 flat face hydraulic couplings

Kit 4 flat face hydraulic quick couplings

Double acting circuit for hydraulic quick couplers

Boom and arm safety lifting valves

Boom, arm and dozer blade safety lifting valves

Safety valve certification

Mineral hydraulic oil VG32

Mineral hydraulic oil VG46

Mineral hydraulic oil VG68

Bio hydraulic oil VG32 (PANOLIN®)

Bio hydraulic oil VG46 (PANOLIN®)

Digging equipment

Short arm

Long arm

Attachments

Volvo mechanical quick coupler (pin-on)

Lehnhoff® mechanical quick coupler

Symmetrical type mechanical quick coupler (S30)

General Purpose buckets

Fixed Ditching buckets

Tiltable Ditching buckets

Hydraulic breaker HB02LN

Charging solutions

Fast charger, 9.6 kW, indoor use

Fast charger, 17.3 kW, indoor use

Fast charger, 17.3 kW, outdoor use

Equipment ECR18 Electric

STANDARD EQUIPMENT

Drivetrain

- Automatic two-speed travel hydraulic motors with reduction gears
- Inner flange bottom rollers lubricated for life
- Grease tensioning wheel lubricated for life

Electric / Electronic control system

- Maintenance free 48V battery (3-rack) - fixed for anti-theft protection
- On-board charger with Type 2 socket
- Standard charger cable with 3 plugs (domestic - white, CEE 16A 1 phase - blue, and CEE 32A 3 phase - Red)
- Fast charger ready with weather protected socket
- Maintenance free 12V auxiliary battery
- High quality connectors
- Protected battery cut-off switch
- Auto-idling and auto-shutdown function on electric motor

Swing system

- Radial piston hydraulic motor with integrated shockless valve
- Automatic multi-disc spring applied hydraulic released slew brake
- Centralized and remote lubrication of crown wheel and ball bearing

Superstructure

- Stamped steel panels all-around, recessed 5 to 15mm
- 4 integrated tie-down points on upper structure

Undercarriage

- Box welded fabricated frame
- Sturdy removable protecting covers for track motors and slew system
- Box section highly rigid dozer blade structure

Hydraulic system

- High performance Volvo Hydraulic System
- Flow-Sharing and Load Sensing main control valve
- Boom cylinder cushioning at end stroke (up)
- Patented filtering and filling element
- Large side by side oil cooler and radiator
- Double-acting hydraulic circuit for accessories
- Breaker/Shear valve
- Hydraulic hoses routed inside the boom for increased protection

Canopy

- Robust 4-pillar structure canopy
- Cushionned operator station
- Highly visible orange footstep
- Highly visible orange seatbelt with warning indicator
- Warning beacon, flashing LED
- Front cabin LED worklight
- Right and left rear-view mirror
- White noise travel alarm
- Toolbox with integrated storage for operator's manual and lockable door

Digging equipment

- Casted end and structural parts on arm, pivot, undercarriage and upper structure nose
- Monoblock box welded fabricated boom and arm
- Long-life steel bushings & hardened, pre-lubricated and corrosion resistant pins
- 50-hours intervals on all grease points

Machine controls

- Automatic locking device for pilot controls and travel levers when the left console is raised
- Proportional and adjustable fingertip control for boom offset and auxiliary circuit
- Pressure accumulator to lower the equipment on the ground

Instrumentation and monitoring

- High contrast colour 5" LCD display with day and night modes enabling good readability whatever lighting conditions
- Jogwheel for easy navigation and electric motor speed adjustment
- Simplified menus with master profile for full control and user profile with limited customization
- 3 working modes: Standard, ECO and Boost
- Built-in anti-theft feature
- Several warning messages, coupled to needed action, in the event of malfunction
- Volvo Telematic System

STANDARD EQUIPMENT

Official approval

- Machine conforming to European directive 2006/42/EC
- Low voltage certified according to European directive 2014/35/EU
- Noise emissions in the environment conforming to directive 2000/14/EC
- Hand Arm Vibrations - Whole Body Vibrations compliant with directive 2002/44/EC
- Electromagnetic compatibility (EMC) conforming to European directive 2014/30/EU
- Object handling device conforming to EN 474-1 and EN 474-5 standards
- ROPS (Roll-Over Protective Structure) conforming to ISO 3471
- TOPS (Tip-Over Protective Structure) conforming to ISO 12117 and EN 13531 standards
- OPG 1 (Operator Protective Guard on top) conforming to ISO 10262 standard (when equipped)
- FOPS (Falling Object Protective Structure) conforming to EN ISO 3449

OPTIONAL EQUIPMENT

Operator environment

- Vinyl seat with mechanical suspension, extended back with lumbar adjustment and 2" orange retractable seatbelt
- Additional lockable storage box (behind the seat)
- Electrical switch for ISO/SAE control pattern change
- Controls lock, switch
- Controls lock, seat operator presence and switch
- Controls lock, seatbelt sensor
- Tool kit

Machine exterior

- LED worklights package
- Green beacon link to safety belt
- Heavy counterweight
- Several level of customisation (RAL specifications) to match with your corporate identity

Undercarriage

- 230mm rubber tracks
- 230mm steel tracks
- Short dozer blade
- Long dozer blade

Hydraulics

- Relief valve for auxiliaries
- Kit 2 flat face hydraulic couplings
- Double acting circuit for hydraulic quick couplers
- Boom and arm safety lifting valves
- Boom, arm and dozer blade safety lifting valves
- Several grades of mineral and bio hydraulic oil

Digging equipment

- Short arm
- Long arm

Machine controls

- On/Off fingertip control for boom offset and auxiliary circuit

Attachments

- Volvo mechanical quick coupler (pin-on)
- Lehnhoff® mechanical quick coupler
- Symmetrical type mechanical quick coupler (S30)
- General Purpose buckets
- Fixed Ditching buckets
- Tiltble Ditching buckets
- Hydraulic breaker HB02LN

Charging solutions

- Fast charger, 9.6 kW, indoor use
- Fast charger, 17.3 kW, indoor use
- Fast charger, 17.3 kW, outdoor use

V O L V O