

# EC27D

Volvo Compact Excavators 2.73 t 21.2 hp



## Ultimate performance

Stretch further, dig deeper and reach higher with the EC27D. Based on a proven design, this compact excavator is built to perform and boost profitability. Combining intuitive operation and operator comfort with simple serviceability, this machine provides all the strength and versatility you need – because big jobs demand big performance.

#### Maintenance made easy

It's easy to keep your hardworking EC27D up and running with worry-free maintenance. The wide-opening lockable engine hood provides clear access to all daily service points, while the minimum 50-hour interval on all greasing points saves time and money. Check hydraulic oil at a glance using the—Volvo patented hydraulic filter, with transparent housing to prevent unplanned downtime.



#### The operator's choice

As the industry's leading operator environment, the easily accessible Volvo cab boasts superb visibility, comfortable seat, ergonomic controls, and conveniently located cup holder and phone holder. The flat floor makes cleaning easy, while noise and vibration insulation keep the operator fresh and focused – longer.



#### Control costs

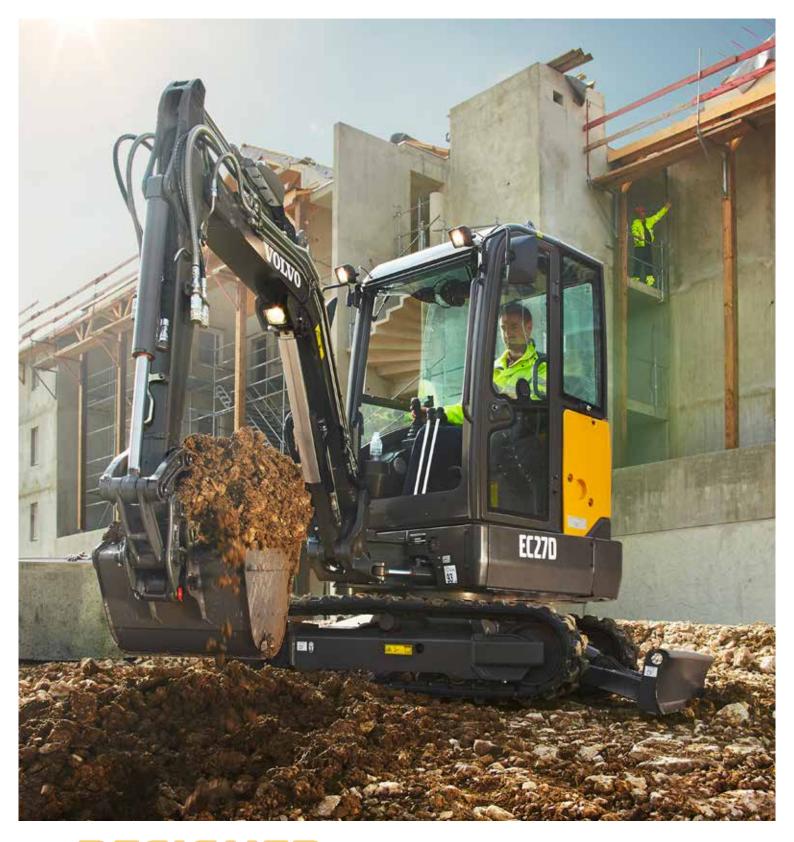
Decrease your total cost of ownership with a range of built-in features. The ideally matched Volvo engine and single variable displacement pump reduce fuel consumption, while auto-idle and auto-engine shutdown maximize fuel efficiency, cut service costs and ensure high resale value. Controlling your costs shouldn't be complicated, which is why the flat glass windows of the Volvo cab can be replaced easily and inexpensively.



#### Intuitive operation

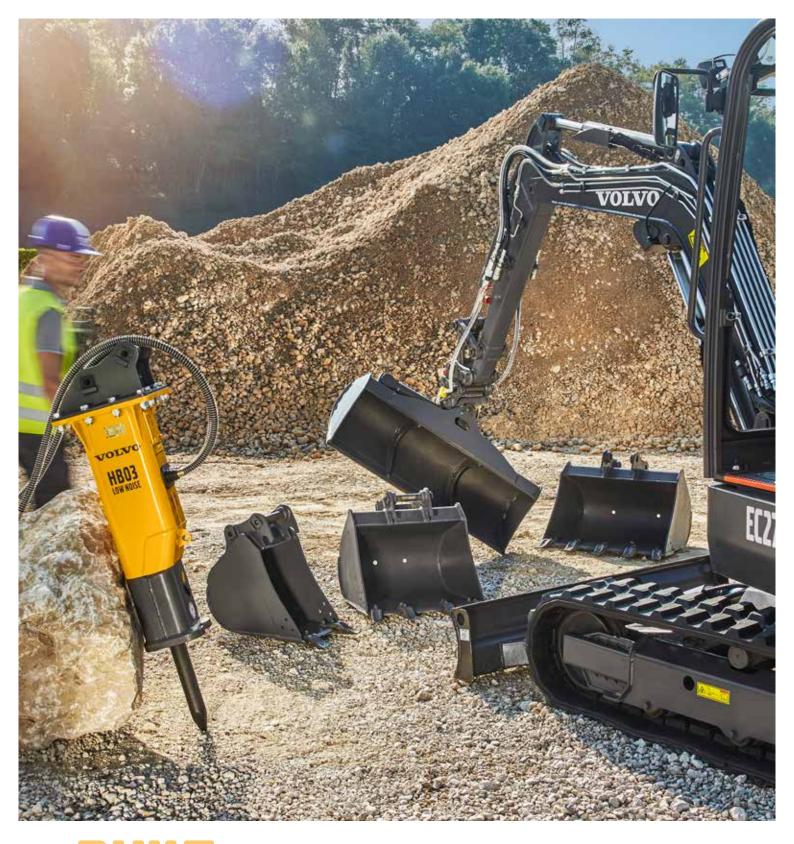
Experience precise, smooth and effortless command of the boom offset and auxiliary hydraulic flows. With easy-to-use proportional fingertip controls and the ability to fine-tune the maximum hydraulic flow speed or power of any attachment is ideally matched to the task at hand. For optimized travel speed and traction, the automatic two-speed travel allows the machine to shift down when more effort is needed.





# DESIGNED TO PERFORM

Experience best-in-class performance with the rock-solid EC27D, combining over 42kN of digging forces with superior lift capacity and unshakable stability. The smooth combination of movements makes grading jobs easy, while the extended working range allows for less repositioning. Thanks to these high-performing features and the ability to work close to the blade, finishing work on the jobsite has never been so quick.



## BUILT Ready

Get the most out of your hardworking EC27D with Volvo's range of durably-designed attachments. Purpose-built to work in harmony with your machine, Volvo attachments optimize versatility and uptime of your EC27D, enabling you to effectively perform a variety of jobs.

## All work, all the time

Built to work for you, the EC27D is an industry-leader. Optimize machine performance, productivity and versatility with Volvo's range of durable attachments and Customer Solutions. Tailored to your business and operations - just like your EC27D - our unique, global dealer support network is built around you. Protect your profits with a long-term partnership and benefit from an array of services using Genuine Volvo Parts, delivered by passionate people.

#### Fast, safe change outs

Change attachments quickly and efficiently with the pin-grabber mechanical quick coupler from Volvo. Compatible with the wide range of Genuine Volvo attachments, Volvo couplers ensure the optimum versatility for any task you choose.



#### Volvo - a partner to trust

Being a Volvo customer means having a complete set of services at your fingertips. Your dealer is here for you and your machine anytime, anywhere – offering professional expertise, financial packages and Customer Support Agreements, catered specifically to help you achieve your business objectives.



#### Unlock your potential

Unlock the full potential of your operation with the EC27D, compatible with any attachment, installed safely and easily thanks to built-in relief valves. And, with the secondary accessory circuit, you have the potential to do even more. Contact your local dealer and benefit from leading expertise and advanced attachment solutions.



#### Keep your Volvo a Volvo

We're committed to providing a complete solution to guarantee the highest performance of your Volvo machine, including high quality Genuine Volvo Parts, extensively tested and approved because every part is vital for performance. Rely on our leading parts availability to ensure maximum uptime, extend the life of your Volvo and optimize the profitability of your business.



## Up to the challenge

#### Maintenance made easy

Daily service points are grouped under the engine hood and are easily accessible for straightforward maintenance.

#### The operator's choice

Ergonomic, spacious and safe, the Volvo cab features all around visibility, intuitive controls and built-in comfort.

#### 50-hour greasing intervals

The greasing interval is 50-hours, cutting down service costs.

#### Volvo - a partner to trust

We offer the right solutions throughout the entire life cycle of your Volvo to help you achieve your business objectives.

#### Auto-idle

Engine speed is reduced to idle when controls are inactive for more than five seconds, reducing fuel consumption and noise.

### Ultimate lifting capacity

Excellent stability and outstanding hydraulics ensure the machines are capable of lifting heavy loads.



## **DESIGNED TO PERFORM**

Experience best-in-class performance with over 42 kN of combined forces, superior lift capacity and wide working range.

#### Intuitive operation

The boom offset and the auxiliary hydraulics are operated by ergonomic fingertip controls.



### **BUILT READY**

The EC27D is a perfect match with Volvo attachments for increased versatility, performance and profitability.

#### Patented hydraulic filter

Filtration occurs when the tank is filled and before oil returns via the drain lines. The transparent bowl makes checking for oil contamination easy.

#### Auto engine shutdown

When inactive for a pre-set amount of time, the engine automatically shuts off, increasing machine resale value, minimizing fuel consumption and service costs.

#### Automatic travel speed

The operator can continually drive the machine at high speed. When more traction is needed, the speed is automatically reduced.

## Volvo EC27D in detail

| r/min kW hp ccording to ISO 9: Nm r/min cm³ | Volvo D1.1/<br>2 400<br>15.6<br>21.2<br>249 / SAE J1999<br>71.4<br>1 600 |
|---|--|
| hp<br>ccording to ISO 9:<br>Nm<br>r/min     | 21.3<br>249 / SAE J1998<br>71.4<br>1 600                                 |
| ccording to ISO 9:<br>Nm<br>r/min           | 249 / SAE J199<br>71.<br>1 60  |
| Nm<br>r/min                                 | 71.<br>1 60  |
| Nm<br>r/min                                 | 71.<br>1 60  |
|   |  |
| Cm <sup>3</sup>                             |  |
| Cm <sup>3</sup>                             |  |
|   | 1 12   |
| mm  | 7  |
| mm  | 78.  |
|   | 2  |
|   |  |
| V   | 1  |
| V   | 1  |
| Ah  | 7  |
| V/Ah  | 12/4   |
|   |  |
| r/min                                       | 9.   |
| daNm  | 48   |
|   |  |
| mm  | 30   |
| mm  | 30   |
|   | 3/   |
|   | by grease pisto  |
| mm  | 1 550 x 31   |
|   |  |
| kg  | 2 73   |
| kPa   | 27.  |
| kPa   | 26.  |
| kg  | 2 65   |
|   |  |
|   |  |
| mm  | 30   |
| mm  | 1 20   |
| %   | 10   |
| -kg   | 9  |
| +kg   | 10   |
| +kg   | 1  |
| -kg   | 7  |
|   | V Ah V/Ah  r/min daNm  mm mm  mm  kg kPa kPa kPa kg                      |

| ang ing i circimanees  |           |               |
|--|-----------|---------------|
| Standard bucket width (blade, W/O side cutter)                                       | mm        | 500           |
| Standard bucket mass   | kg        | 59            |
| Standard bucket rated capacity   | 1         | 74            |
| Bucket rotation  | 0         | 203           |
| Bucket breakout force (ISO)  | daN       | 2 459         |
| Short arm tearout force (ISO)  | daN       | 1 806         |
| With short arm   | mm        | 1 200         |
| Long arm tearout force (ISO)   | daN       | 1 543         |
| With long arm  | mm        | 1 500         |
| lydraulic system   |           |               |
|  |           | Variable      |
| Pump type  |           | displacement, |
|  |           | load sensing  |
| Maximum system flow  | l/min     | 65            |
| Maximum flow for accessories   | l/min     | 50            |
| Maximum pressure for accessories   | MPa       | 25            |
| Maximum flow for 2nd accessory circuit (option)                                      | l/min     | 23            |
| Maximum operating pressure   | MPa       | 25            |
| ravel System   |           |               |
| Max, drawbar pull  | daN       | 2 500         |
| Max. travel speed low  | km/h      | 2.6           |
| Max. travel speed high   | km/h      | 4.8           |
| Gradeability   | ۰         | 30            |
| Service Refill   |           |               |
| Fuel tank  | - 1       | 28            |
| Hydraulic system, total  | I         | 33            |
| Hydraulic tank   | 1         | 23            |
| Engine oil   | ı         | 5.1           |
| Engine coolant   |           | 4             |
| Travel reduction unit  |           | 2 x 0.6       |
| Sound Level  |           |               |
| Interior sound level according to ISO 6396   | ID(A)     | 70            |
| LpA  | dB(A)     | 78            |
| External sound level according to ISO 6395 and I (2000/14/EC) and 474-1:2006 +A1:200 | EU INOISE | Directive     |
| LwA  | dB(A)     | 93            |
|  | . ,       |               |

**Digging Performances** 

#### LIFTING CAPACITY EC27D

These capacities are given for a machine equipped with a cabin, 300 mm rubber tracks and without a bucket or quick-coupler.

The below values are in compliance with ISO standard 10567. They do not exceed 75% of the tipping load or 87% of the hydraulic limit with the machine on firm level ground.

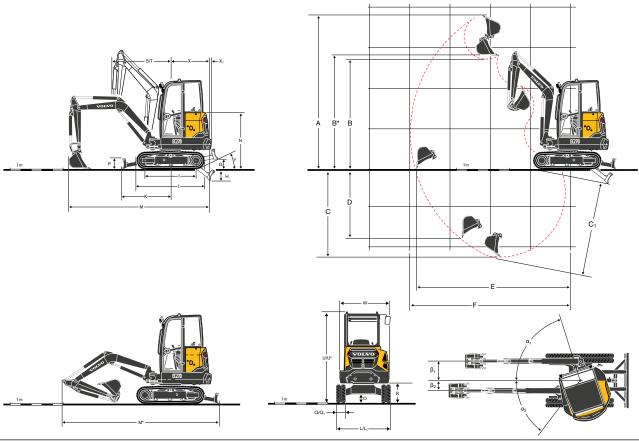
Loads market with an asterisk (\*) are limited by machine's hydraulic lifting capacity rather than tipping load.

Caution: In accordance with standard EN 474-5, the machine must be equipped to carry out handling operations.

It is the operator's obligation to know and follow the applicable national and local safety regulations.

|                            |                  |    | Lifting point radius |                      |               |                      |                      |               |             |                      |               |      |
|----------------------------|------------------|----|----------------------|----------------------|---------------|----------------------|----------------------|---------------|-------------|----------------------|---------------|------|
|                            |                  |    |                      | 2.0 m                |               |                      | 3.0 m                |               |             | Max. reach           |               | Max. |
|                            | Lifting<br>point |    | Along                | Along undercarriage, | Across        | Along undercarriage, | Along undercarriage, | Across        | Along       | Along undercarriage, | Across        |      |
|                            | height           |    | dozer blade          | dozer blade<br>down  | undercarriage | dozer blade          | dozer blade<br>down  | undercarriage | dozer blade | dozer blade<br>down  | undercarriage | m    |
|                            | m<br>3           | kg | up<br>-              | - uowii              | _             | up<br>626*           | 626*                 | 602           | up<br>593   | 622*                 | 567           | 3.1  |
| Arm: 1 200 mm              | 2                | kg | -                    | -                    | -             | 619                  | 673*                 | 592           | 456         | 583*                 | 437           | 3.6  |
| Counterweight:             | 1                | kg | 1 081                | 1 473*               | 1 017         | 591                  | 870*                 | 565           | 418         | 617*                 | 401           | 3.8  |
| standard                   | 0                | kg | 1 034                | 1 804*               | 972           | 569                  | 1 024*               | 543           | 437         | 744*                 | 418           | 3.6  |
|                            | -1               | kg | 1 036                | 1 688*               | 974           | 569                  | 967*                 | 543           | 546         | 911*                 | 522           | 3.1  |
| A 1 000                    | 3                | kg | -                    | -                    | -             | 626*                 | 626*                 | 626*          | 622*        | 622*                 | 618           | 3.1  |
| Arm: 1 200 mm              | 2                | kg | -                    | -                    | -             | 673*                 | 673*                 | 646           | 499         | 583*                 | 479           | 3.6  |
| Counterweight:<br>+ 100 kg | 1                | kg | 1 180                | 1 473*               | 1 110         | 647                  | 870*                 | 618           | 459         | 617*                 | 441           | 3.8  |
| additional                 | 0                | kg | 1 134                | 1 804*               | 1 065         | 625                  | 1 024*               | 596           | 480         | 744*                 | 460           | 3.6  |
| auditional                 | -1               | kg | 1 135                | 1 688*               | 1 067         | 625                  | 967*                 | 596           | 600         | 911*                 | 573           | 3.1  |
|                            | 3                | kg | -                    | -                    | -             | 494*                 | 494*                 | 494*          | 484*        | 484*                 | 484*          | 3.5  |
| Arm: 1 500 mm              | 2                | kg | -                    | -                    | -             | 576*                 | 576*                 | 576*          | 410         | 456*                 | 394           | 3.9  |
| Counterweight:             | 1                | kg | 1 111                | 1 258*               | 1 046         | 601                  | 794*                 | 575           | 380         | 482*                 | 365           | 4.1  |
| standard                   | 0                | kg | 1 042                | 1 752*               | 980           | 574                  | 991*                 | 548           | 393         | 553*                 | 377           | 3.9  |
|                            | -1               | kg | 1 032                | 1 770*               | 969           | 566                  | 1 025*               | 540           | 470         | 777*                 | 450           | 3.4  |
| Arm: 1 500 mm              | 3                | kg | -                    | -                    | -             | 494*                 | 494*                 | 494*          | 484*        | 484*                 | 484*          | 3.5  |
|                            | 2                | kg | -                    | -                    | -             | 576*                 | 576*                 | 576*          | 450         | 456*                 | 432           | 3.9  |
| Counterweight:<br>+ 100 kg | 1                | kg | 1 210                | 1 258*               | 1 139         | 657                  | 794*                 | 628           | 418         | 482*                 | 402           | 4.1  |
| additional                 | 0                | kg | 1 142                | 1 752*               | 1 073         | 630                  | 991*                 | 601           | 433         | 553*                 | 415           | 3.9  |
| auuiiioiidi                | -1               | kg | 1 131                | 1 770*               | 1 063         | 622                  | 1 025*               | 593           | 516         | 777*                 | 494           | 3.4  |

## **Specifications**



| Descri                     | otion                                      | Unit | EC    | 27D   |
|----------------------------|--|------|-------|-------|
| Arm                        |  | mm   | 1 200 | 1 500 |
| Α                          | Maximum cutting height                     | mm   | 4 333 | 4 598 |
| В                          | Maximum dump height                        | mm   | 3 092 | 3 209 |
| B*                         | Maximum bucket clearance                   | mm   | 3 198 | 3 280 |
| С                          | Digging depth                              | mm   | 2 486 | 2 859 |
| C*                         | Maximum digging depth                      | mm   | 2 715 | 3 088 |
| D                          | Maximum vertical wall digging depth        | mm   | 1 959 | 2 601 |
| E                          | Maximum digging reach at ground level      | mm   | 4 295 | 4 665 |
| F                          | Maximum digging reach                      | mm   | 4 427 | 4 786 |
| G                          | Highest position dozer blade               | mm   | 40    | 01    |
| Н                          | Lowest position dozer blade                | mm   | 4:    | 22    |
| I                          | Tumbler length                             | mm   | 1 4   | 440   |
| J                          | Track length                               | mm   | 1 9   | 906   |
| K                          | Dozer blade, maximum reach at ground level | mm   | 1.3   | 365   |
| L                          | Overall width with 300 mm rubber tracks    | mm   | 1.5   | 550   |
| L,                         | Overall width with 250 mm rubber tracks    | mm   | 1.5   | 500   |
| М                          | Overall length                             | mm   | 3 933 | 3 811 |
| M*                         | Transport length                           | mm   | 4 400 | 4 295 |
| N                          | Overall height of engine hood              | mm   | 1.5   | 571   |
| 0                          | Minimum ground clearance                   | mm   | 2     | 90    |
| Р                          | Dozer blade height                         | mm   | 3     | 12    |
| Q                          | Shoe width (rubber)                        | mm   | 30    | 00    |
| Q,                         | Shoe width (rubber)                        | mm   | 2     | 50    |
| R                          | Ground clearance to superstructure         | mm   | 5!    | 59    |
| S                          | Front slew radius                          | mm   | 1 712 | 1 759 |
| Т                          | Front slew radius with maximum offset      | mm   | 1 346 | 1 389 |
| U                          | Overall height cab                         | mm   | 2 5   | 535   |
| U*                         | Overall height canopy                      | mm   | 2.5   | 505   |
| W                          | Overall width of superstructure            | mm   | 1.3   | 340   |
| Χ                          | Tail slew radius                           | mm   | 1 (   | 080   |
| $X_1$                      | Additional counterweight overhang          | mm   | 7     | '5    |
| Υ                          | Angle of approach                          | ٥    | 3     | 31    |
| Z                          | Dozer blade width                          | mm   |       | 550   |
| $\alpha_1$                 | Maximum boom swing angle to the left       | ۰    |       | 2.5   |
| β                          | Maximum boom offset to the right           | mm   |       | 42    |
| $\alpha_2$                 | Maximum boom swing angle to the right      | ٥    | 5     | 53    |
| β <sub>2</sub><br>1: Optio | Maximum boom offset to the left            | mm   | 2     | 79    |

## **Equipment**

#### STANDARD EQUIPMENT

#### Engine

Low emission, water-cooled, Volvo 3-cylinder diesel engine, meeting EPA Tier 4 environmental regulations

Engine restart prevention system. Starter motor is protected against ignition when engine is already running.

Dry-type single element air filter

Plastic fuel tank with drain plug.

Protective strainer on the fuel succion pipe inside the tank

Water separator.

Translucent fuel filter.

#### Electric/Electronic control system

Maintenance free battery

IP67 protected electrical system and high quality connectors.

Protected battery cut-off switch.

In-cab 12V power socket.

Axial piston hydraulic motors equipped with an epicyclic reduction gears.

Automatic two speed travel.

Bottom flanged rollers lubricated for life.

Grease tensioning wheel lubricated for life.

#### Swing system

Radial piston hydraulic motor with direct engagement on the ball internal crown wheel (no reduction gears).

Integrated shockless valve.

Automatic multi-disc spring applied hydraulic released slew brake.

Centralized and remote lubrication of crown wheel & ball bearing.

#### Undercarriage

"X" shape, box welded fabricated frame with sloping side members.

2 Tie-down points on the dozer blade.

2 Tie-down points on the frame

2 lifting points on the frame.

Sturdy removeable protecting covers for track motors and slew system.

400HB weld-on edge on dozer blade.

#### Hydraulic system

Plastic tank with drain plug.

Variable displacement, load-sensing piston pump.

Closed centre flow-sharing main control valve

Cushoning on cylinders:

Boom up

Arm out

Large tiltable oil cooler.

Patented filtering and filling element.

Double-acting hydraulic circuit for accessories.

#### Digging Equipment

Monobloc box weldded fabricated boom.

Boom cylinder rod protection.

Integrated lifting point on the boom.

Monobloc box weldded arms with casted ends.

Long-life steel bushings.

Hardened, pre-lubricated and corrosion resistant pins.

#### Cab

Certified FOPS level 1 on top (Falling Object Protective Structure).

Certified TOPS (Tip-Over Protective Structure).

Certified ROPS (Roll-Over Protective Structure).

Cushioned operator station.

Large door access.

Large and roomy uncluttered floor.

Gas-strutt assisted front window opening.

Full opening front bay with in-cab storage for the front lower window.

Front windscreen wiper and washer nozzle

Right hand side sliding window.

Flat toughened glass

Heating systems with in-cab adjustment of temperature and air flow level. Multiple adjustable air vents.

Filtered air inlet.

Toolbox with integrated storage for operator's manual and lockeable door.

Cab inside light.

Seat-belt with warning indicator.

Right rear-view mirror.

Two working lights on top front.

Cup holder.

Phone holder.

#### STANDARD EQUIPMENT

#### Canopy

Certified FOPS level 1 on top (Falling Objects Protective Structure).

Certified TOPS (Tip-Over Protective Structure).

Certified ROPS (Roll-Over Protective Structure).

Cushionned operator station.

Large and roomy uncluttered floor.

Left hand-rail access.

Seat-belt with warning indicator.

Right rear-view mirror.

One working light on the top front.

Toolbox with integrated storage for operator's manual and lockeable door.

Phone holder.

#### Machine controls

Finger tip control for boom offset.

Finger tip control for auxiliary circuit.

Breaker toggle switch on right joystick.

Automatic locking device for pilot controls and travel levers when the left console is raised.

Engine starting safety device: the left console must be raised to operate the starter. Pressure accumulator to lower the equipment on the ground when the engine

High torque / automatic two speed change over switch on the dashboard.

High speed toggle switch on the dozer blade lever.

Large travel pedals.

#### Instrumentation and monitoring

Permanent digital hour meter.

Water temperature and fuel level gauges.

Warning lights for hydraulic filter and air filter restriction.

Self-acting emergency engine shutdown. Prevents failures in case of coolant overheating or too low engine oil pressure.

Several warning lights, coupled to an audible signal, in the event of malfunction (overheating, drop in oil pressure, low battery voltage...)

#### Official approval

Machine conforming to European directive 2006/42/EC.

Noise emissions in the environment conforming to directive 2000/14/EC.

Hand Arm Vibrations - Whole Body Vibrations compliant with directive

Electromagnetic compatibility (EMC) conforming to European directive 2004/108/EC and its amendments.

Object handling device conforming to EN 474-1 and EN 474-5 standards.

FOPS on top level 1 conforming to ISO 10262 standard. TOPS conforming to ISO 12117 and EN 13531 standards.

ROPS conforming to ISO 3471-1 and / SAE J1040 standards.

OPG 1 conforming to ISO 10262 standard (when equipped). OPG 2 conforming to ISO 10262 standard (when equipped).

#### STANDARD AND OPTIONAL EQUIPMENT

= Standard;  $\circ$  = Option

Phone holder

Machine standard and optional equipment may differ depending on local setup.

| Engine  |   |
|---|---|
| Engine auto idling  | 0 |
| Engine auto shut-down with time adjustment  | 0 |
| Dual stage air filter   | 0 |
| Operator environment  |   |
| Canopy  | 0 |
| Cab with heater   | 0 |
| Vinyl or textile seat, low backrest and standard seat belt                        | 0 |
| Vinyl or textile seat, lumbar asjustment, high backrest and retractable seat belt | 0 |
| High visibility 2" orange seatbelt  | 0 |
| 3" or 75mm black retracteable seat belt   | 0 |
| High visibility orange entrance foot step   | 0 |
| Storage box   | • |
| Additional lockeable storage box (behind the seat)                                | 0 |
| ISO / SAE control pattern change  | 0 |
| Travel alarm  | 0 |
| Radio preparation (cab)   | • |
| Radio, AUX, USB, Bluetooth  | 0 |
| Anti-theft, code lock   | 0 |
| Anti-theft, coded key   | 0 |
| Digital hourmeter   | • |
| Cupholder (cab only)  | • |

| CTANDADD AND ODTIONAL FOLIDMENT   |            |
|---|------------|
| STANDARD AND OPTIONAL EQUIPMENT   |            |
| <ul> <li>Standard; ○ = Option</li> <li>Machine standard and optional equipment may differ depending on loc</li> </ul>       | ral setun  |
| Machine exterior  | our octup. |
| Right rearview mirror   | •          |
| Left rearview mirror  | 0          |
| Protected worklight on the boom   | 0          |
| Rear worklight  | 0          |
| Rotating beacon, halogen  | 0          |
| Warning beacon, flashing LED  | 0          |
| Halogen worklights  | 0          |
| LED worklights  | 0          |
| Additional counterweight  | 0          |
|   |            |
| Front canopy guard (OPG1)   | 0          |
| Severe-duty guards for cab or canopy (OPG2, front & top) Several level of paint customisation (RAL specifications) to match | 0          |
| with your corporate identity  | 0          |
| Undercarriage   |            |
| 250mm rubber tracks   | 0          |
| 300mm rubber tracks   | 0          |
| Standard dozer blade with 400 HB weld-on edge   | •          |
| Hydraulic system  |            |
| Proportional finger tip control for boom offset and accessories   | 0          |
| On / Off finger tip control for boom offset and accessories   | 0          |
| Accessory flow adjustment   | 0          |
| Secondary relief valves for auxiliaries   | •          |
| Hammer / shear valve  | 0          |
| Hydraulic drain for accessories   | 0          |
| Breaker and clamshell auxiliaries   | 0          |
| Second accessory circuit  | 0          |
| Flat face hydaulic quick couplings  | 0          |
| Single acting circuit for hydraulic quick couplers  | 0          |
| Double acting circuit for hydraulic quick couplers  | 0          |
| Boom & arm safety lifting valves with overload indicator  | 0          |
| Boom, arm and dozer blade safety lifting valves with overload indicator   | 0          |
| Safety valve certification  | 0          |
| Mineral hydraulic oil VG46  | 0          |
| Bio hydraulic oil VG46 (PANOLIN®)   | 0          |
| Mineral hydraulic oil VG68  | 0          |
| Mineral hydraulic oil VG32  | 0          |
|   |            |

### STANDARD AND OPTIONAL EQUIPMENT

• = Standard; ○ = Option
Machine standard and optional equipment may differ depending on local setup.

**Telematics** Care Track

| Digging Equipment  |   |
|--|---|
| Short arm 1 200mm  | 0 |
| Long arm 1 500mm   | 0 |
| Service and maintenance                                  |   |
| In-cab air filter clogg warning lamp                     | • |
| In-cab engine overheating warning indicator              | • |
| Tool kit   | 0 |
| Attachments  |   |
| Volvo quick coupler mechanical (pin-on)                  | 0 |
| Extra pin kit  | 0 |
| Lehnhoff® Quick Coupler Mechanical (MS03)                | 0 |
| S-type hydraulic quick coupler (S40)                     | 0 |
| General purpose buckets (250mm / 34L up to 750mm / 119L) | 0 |
| Aggressive cut buckets (350mm / 50L or or 550mm / 95L)   | 0 |
| Fix ditching buckets (1 200mm / 125L or 1 300mm / 141L)  | 0 |
| Tiltable ditching buckets (1 200mm / 125L)               | 0 |
| Hydraulic breaker  | 0 |

#### SELECTION OF VOLVO OPTIONAL EQUIPMENT

Bio hydraulic oil VG32 (PANOLIN®)

#### LED lights and beacon



#### Automatic engine shutdown



OPG1 guards



Specific colours



Anti-theft key



Radio / Hands-free phone function



