Volvo Construction Equipment Building Tomorrow



ECR25 ELECTRIC

Volvo Electric Compact Excavators 2.7 t / 5,952 lb



Adding business by adding Silence

The Volvo ECR25 Electric excavator is a true game changer. The first in a new range of electric compact excavators, it takes a proven concept – and then adds battery electric power, so you'll have all the performance you need, in the compact package you demand. Because we know that being sustainable equals being successful – what's good for people, society and the world is ultimately good for your business.

At home in the city

The lower noise levels that the ECR25 Electric offers enable you to work anytime, anywhere – even at night in populated areas. This can lessen the disturbance inner city work can cause and reduce congestion at peak times, all the while increasing your efficiency. It also creates a more pleasant working environment for you and your colleagues with whom you can clearly communicate whilst operating.



At the heart of operations

The ECR25 Electric takes the proven credentials of the industry's foremost cab – accessibility, visibility and class leading ergonomics – and then adds a substantial reduction in noise, vibration and heat, ensuring long lasting comfort and productivity. The lack of an exhaust is also noticeable, removing the associated fumes and minimizing the dust that they can generate.



Go where others can't

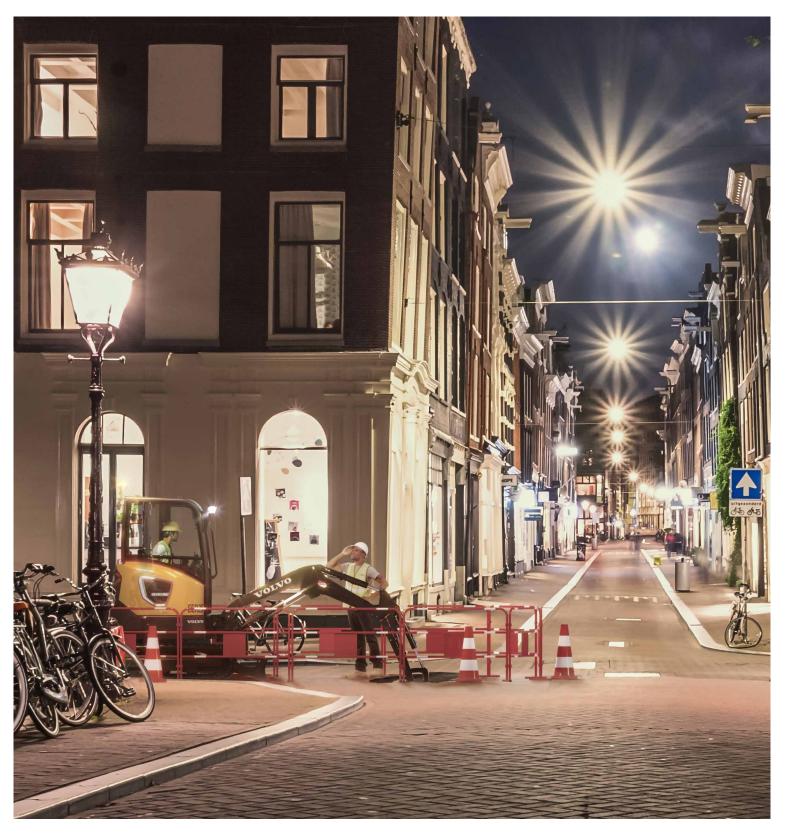
The ECR25 Electric features a zero-tail swing radius design making it perfect to confidently work in confined spaces. And thanks to zero emissions, the need for costly fumes extraction systems is eliminated in indoor jobs, such as basement groundworks and building demolition. This opens up new business opportunities which in turn helps optimize utilization.



Keep your Volvo a Volvo!

Only with Volvo attachments do you get what you wanted when you bought a Volvo in the first place – maximum productivity and uptime. Volvo develops and offers a wide range of attachments , fully compatible with our electric machines, which brings you unmatched flexibility and versatility, making it easy for you to develop job opportunities and to get the job done with increased productivity.







Noise pollution is often accepted as part of daily life. At your desk, put on your noise cancelling headphones and just keep going. But that's not a solution for the office worker taking their lunch break in the park. If it's a Volvo ECR25 Electric working close by, it will add some silence back, helping everyone to focus on what's important to them.

The innovative new ECR25 ELECTRIC

ELECTRIC

ECR25

VOLVO

| 7EDA | EMICCIUM | ELECTRIC POWE | |
|------|----------|---------------|--|
| | EMINALUK | ELELIKIL PUWE | |
| | | | |

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



- Low vibration
- Color display with jogwheel nagivation
- Intuitive and easier to operate
- Full LED lighting
- Blows less dust

GET ACCESS TO NEW MARKETS

- Ability to work indoor
- Ability to work out of standard hours
- Fast charging option

EVERYTHING YOU'D EXPECT FROM VOLVO

- Monthly greasing only
- Patented hydraulic filter
- Hoses protected inside boom and arm
- Automatic travel speed

WORK ANYTHING, ANYWHERE

- Same performance as its diesel equivalent
- Ultimate lifting capacity
- Zero-tail swing radius
- Front corner stays within tracks width
- Wide range of Volvo attachments

Volvo ECR25 Electric in detail

| Electrical system | | | |
|--|----------------------|---------------------|--------------|
| Battery Type | | | Lithium-ion |
| Battery Voltage | , | V | 48 |
| Battery capacity (full package) | kW | h | 20 |
| | А | h | 450 |
| Indicative runtime (depending on application) | hour | s | 4-6 |
| Auxiliary Battery Voltage | , | V | 12 |
| Auxiliary Battery capacity | А | h | 70 |
| Alternator | V/A | h | 12/40 |
| Electrical motor | | | |
| Motor type | | Permanent magnet | |
| Motor power (peak) | kW/h | p 18 | 24.1 |
| Motor power (continuous) | kW / h | р 14.7 | 19.7 |
| Operating mode max. / Standard | r/mi | n 20 | 50 |
| Operating mode max. / Eco | r/mi | n 18 | 00 |
| Operating mode max. / Boost | r/mi | n 24 | 00 |
| Digging Performances | | | |
| Standard bucket width (blade, W/O side cutter) | mm / ft i | n 500 | 1' 8" |
| Standard bucket mass | kg / I | b 59 | 130 |
| Standard bucket rated capacity | l/ga | al 74 | 0.01 |
| Bucket rotation | | ° 20 | 05 |
| Bucket breakout force (ISO) | daN / Ik | of 2 2 3 3 | 5,020 |
| Short arm tearout force (ISO) | daN (Ib [.] | f) 1776 | 3 993 |
| With short arm | mm/ ft i | n 1050 | 3' 5" |
| Long arm tearout force (ISO) | daN / Ik | of 1497 | 3,365 |
| With long arm | mm / ft i | n 1350 | 4' 5" |
| Undercarriage | | | |
| Rubber track width | mm / ft in | 300 | 12" |
| Bottom/top rollers per side | | 3/1 | |
| Track tension | | by g | rease piston |
| Blade (width x height) | mm / ft in f | l 550 x 312 | 5' 1" x 1" |
| Service Refill | | | |
| Hydraulic system, total | l/gal | 33 | 8.72 |
| II do Roted | 1.7.1 | 0.0 | 0.00 |

| Max, slew speed | r/mi | า | 9.4 |
|---|-------------------|---------------------------------------|-------------------------------|
| Max, slew torque | daNm / lbf 1 | t 48 | 5 1,090 |
| Hydraulic system | | | |
| Pump type | | Variable o | displacement, load sensing |
| Maximum system flow | l/min / gal mi | | 8 15.3 |
| Maximum flow for accessories | l/min / gal mi | | 0 13.2 |
| Maximum pressure for accessories | s Mpa/ps | i 2 | 5 3,626 |
| Maximum flow for 2nd accessory circuit | l/min / gal mi | · · · · · · · · · · · · · · · · · · · | 3 6 |
| Maximum operating pressure | Mpa / ps | i 2 | .5 3,626 |
| Sound Level | | | |
| Interior sound level according to IS | SO 6396 | | |
| L _{pA} | dB | 74 | 4 |
| External sound level according to Directive (2000/14/EC) and 474- | | | |
| L _{WA} | dB | 8 | 4 |
| Weight and Ground Pressure | | | |
| Operating weight according to ISO 6016 | kg / lb | 2 730 | 6,018 |
| Ground pressure (cab) | kPa / psi | 28.4 | 41.2 |
| Transport weight | kg / lb | 2 655 | 5,853 |
| With heated cab | | | |
| With direct-fit bucket | | | |
| With rubber tracks | mm / ft in | 300 | 12" |
| With long arm | mm / ft in | 1 350 | 4' 5" |
| Travel System | | | |
| Max, drawbar pull | daN / lbf | 1984 | 4,460 |
| Max. travel speed low | km/h / mph | 2.4 | 1.5 |
| Max. travel speed high | km/h / mph | 4.5 | 2.8 |
| | | | |

LIFTING CAPACITY ECR25 ELECTRIC

Hydraulic tank

Travel reduction unit

These capacities are given for a machine equipped with a cabin, 300 mm/12" rubber tracks

l/gal

l/gal

23

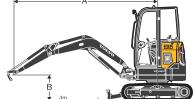
2 x 0.6

6.08

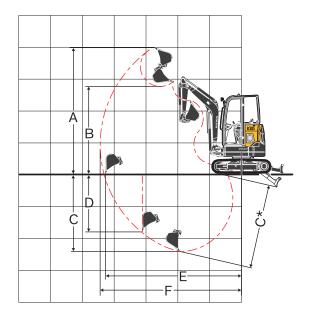
0.16

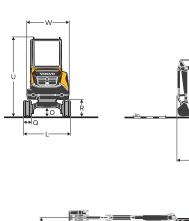
These capacities are given for a machine equipped with a cabin, 300 mm/ and without a bucket or quick-coupler. The below values are in compliance with ISO standard 10567. They do not exceed 75% of the tipping load or 87% of the hydraulic limit with the machine on firm level ground. Loads market with 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.

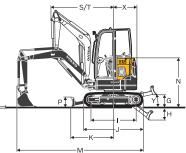
| national and local safety re | gulations | | | | | | | 1m | | <u>den 6 8 8 8</u> | | |
|------------------------------|-----------------|---------|------------|---------------|-----------|------------|------------------|--------------|-----------|--------------------|------------|--------------|
| | | | | | | | Lifting point ra | idius (A) | | | | |
| Along undercarriage 🕺 | Lifting | | | 2.0 m/6' 7" | | | 3.0 m/ 9' 10" | | | Max. reach | | Max. |
| 6 | point height | | Ŀ | | ϥ | ŀ | | Ċ ₽ ⊷ | Ŀ | ŀ | Ĵ ₽ | ~~ /ft |
| Across undercarriage | m/ ft in | | | + P | | • <u>P</u> | +PC | | | +PC | <u>_</u> | m/ft |
| | 3/9'10" | kg / lb | - | - | - | 474/1,044 | 566*/1,247* | 452/996 | 461/1,016 | 577*/1,272* | 439/967 | 3.05/10'0" |
| | 2/6'7" | kg / lb | - | - | - | 467/1,029 | 599*/1,320* | 445/981 | 339/747 | 601*/1,324* | 324/714 | 3.67/12'0" |
| Arm: 1 050 mm (3' 5") | 1/3'3" | kg / lb | - | - | - | 443/976 | 795*/1,752* | 422/930 | 307/676 | 642*/1,415* | 293/645 | 3.86/12'8" |
| | 0 | kg / lb | 778 /1,715 | 1602*/3,531* | | 427/941 | 933*/2,056* | 406/895 | 320/705 | 699*/1,541* | 305/672 | 3.71/12'2" |
| | -1/-3'-3" | kg / lb | 789/1,739 | 1 543*/3,401* | | 430/947 | 849*/1,871* | 409/901 | 404/890 | 771*/1,699* | 385/848 | 3.15/10'4" |
| | 2/6'7" | kg / lb | - | - | - | 465/1,025 | 500*/1,102* | 445/981 | 294/648 | 532*/1,173* | 282/622 | 3.971/13' |
| Arm: 1 350 mm/ 4' 5" | 1/3'3" | kg / lb | 808/1,781 | 1334*/2,941* | 760/1,676 | 439/968 | 715*/1,576* | 418/922 | 269/593 | 571*/1,259* | 258/569 | 4.142/13' 7" |
| | 0 | kg / lb | 760/1,676 | 1608*/3,545* | 713/1,572 | 417/919 | 897*/1,978* | 397/875 | 278/613 | 623*/1,373* | 266/586 | 4.002/13' 2" |
| | -1/-3'-3" | kg / lb | 763/1,682 | 1659*/3,657* | 716/1,579 | 413/911 | 902*/1,989* | 393/866 | 335/739 | 692*/1,526* | 320/705 | 3.502/11' 6" |

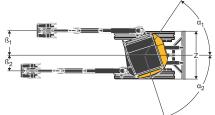


Specifications









| DescriptionUnitECR23Immatting heightmm(tin)1.050 (3's)1.813 (13'g)Immatting heightmm(tin)2.784 (92'n)2.957 (3's)'Immatting heightmm(tin)2.784 (92'n)2.957 (3's)'Immatting heightmm(tin)2.837 (9's)'2.957 (9's)'Immatting heightmm(tin)2.837 (9's)'2.955 (9's)'Immatting heightmm(tin)2.837 (9's)'2.955 (9's)'Immatting heightmm(tin)1.832 (12'n)2.955 (9's)'Immatting heightmm(tin)1.832 (12'n)2.955 (9's)'Immatting height expondencemm(tin)4.438 (14's)'2.915 (9's)'Immatting height expondencemm(tin)4.438 (14's)'4.768 (15's)'Immatting height expondencemm(tin)4.448 (14's)'4.768 (15's)'Immatting height exposition dozer blademm(tin)1.916 (13's)'4.768 (15's)'Immatting height exposition dozer blademm(tin)1.916 (13's)'1.916 (13's)'Impace heightmm(tin)1.916 (13's)'3.876 (12's)'Impace heightmm(tin)4.920 (11's)'4.926 (14's)'Impace height exposition dozer blademm(tin)4.920 (11's)'Impace height exposition dozer heightmm(tin)4.920 (11's)'Impace height exposition dozer height <td< th=""><th>DIM</th><th colspan="5">DIMENSIONS</th></td<> | DIM | DIMENSIONS | | | | |
|--|-------------|--|------------|---------------|----------------|--|
| A Maximum cutting height mm (ft in) 4 010 (13'2') 4 183 (13'9') B Maximum dump height mm (ft in) 2 784 (92'') 2 957 (9'8') B* Maximum bucket clearance mm (ft in) 2 897 (9'8'') 3 070 (10'1') C Digging depth mm (ft in) 2 461 (8'1') 2 761 (9'1') C* Maximum digging depth mm (ft in) 1 823 (6'0') 2 198 (5'1') D Maximum vertical wall digging depth mm (ft in) 1 832 (6'0') 2 198 (5'1') D Maximum digging reach at ground level mm (ft in) 4 484 (14'9'') 4 602 (15'1') F Maximum digging reach at ground level mm (ft in) 4 482 (14'a'') 4 602 (15'1') I Lowest position dozer blade mm (ft in) 4 400 (1'8.6'') 1 (1'3.7'') I Lowest position dozer blade mm (ft in) 1 906 (6'3'') 1 1 1 1 090 (6'13'') J Track length mm (ft in) 1 906 (6'3'') 1 550 (5'1'') M Doverall height of angine hoad mm (ft in) 1 550 (5'1'') | Description | | Unit | ECR25 | Electric | |
| B Maximum dump height mm (ft in) 2 784 (9'2") 2 957 (9'8") B* Maximum bucket clearance mm (ft in) 2 897 (9'6") 3 070 (10'1") C Digging depth mm (ft in) 2 461 (8'1") 2 761 (9'1") C Maximum digging depth mm (ft in) 1 832 (6'0") 2 196 (6'1") D Maximum digging reach at ground level mm (ft in) 4 313 (14'2") 4 602 (15'1") F Maximum digging reach mm (ft in) 4 434 (14'9") 4 768 (15'2") G Highest position dozer blade mm (ft in) 401 (1'3.7") H Lowest position dozer blade mm (ft in) 4 144 (4'8.6") J Track length mm (ft in) 1400 (4'8.6") J Track length mm (ft in) 1365 (4'5.7") I Overall length mm (ft in) 1365 (4'5.7") M Overall length mm (ft in) 1365 (4'1.0") M Overall length mm (ft in) 1365 (4'1.0") M Overall length mm (ft in) 1365 (1'1") 4 552 (14'10") N Overall length mm | Arm | | mm (ft in) | 1 050 (3'5") | 1 350 (4'5.1") | |
| B*Maximum bucket dearancemm (ft in)2 897 (9'6")3 0 70 (10'1")CDigging depthmm (ft in)2 461 (9'1")2 761 (9'1")C*Maximum digging depthmm (ft in)2 672 (8'9")2 965 (9'9")DMaximum vertical wall digging depthmm (ft in)1 832 (6'0")2 119 (6'11")EMaximum digging reachmm (ft in)4 313 (14'2")4 602 (15'1")FMaximum digging reachmm (ft in)4 313 (14'2")4 602 (15'1")HLowest position dozer blademm (ft in)4 011 (17.7")HLowest position dozer blademm (ft in)1 400 (4'8.6")JTrack lengthmm (ft in)1 400 (4'8.6")JTrack lengthmm (ft in)1 900 (6'3")KDozer blade, maximum reach at ground levelmm (ft in)1 900 (6'3")L1Overall lengthmm (ft in)1 550 (5'1")MOverall lengthmm (ft in)1 550 (5'1")MOverall height of engine hoodmm (ft in)1 570 (5'1.8")OMinimum ground clearancemm (ft in)3 00 (1)RGround clearance to superstructuremm (ft in)3 00 (1)RGround clearance to superstructuremm (ft in)2 555 (5'1")UOverall height cabmm (ft in)3 00 (1)RGround clearance to superstructuremm (ft in)2 555 (5'1")VOverall height cabmm (ft in)1 340 (4'5")XTotal sev radiusmm (ft in)1 340 (4'5" | А | Maximum cutting height | mm (ft in) | 4 010 (13'2") | 4 183 (13'9") | |
| CDigging depthmm (ft in)2 461 (8'1")2 761 (9'1")C*Maximum digging depthmm (ft in)2 672 (8'9")2 985 (9'9")DMaximum vertical wall digging depthmm (ft in)1 832 (6'0")2 119 (6'11")DMaximum digging reach at ground levelmm (ft in)4 313 (14'2")4 602 (15'1")FMaximum digging reachmm (ft in)4 484 (14'9")4 768 (15'8")GHighest position dozer blademm (ft in)4 22 (14.6")HLowest position dozer blademm (ft in)1 440 (4'8.6")JTrack lengthmm (ft in)1 906 (6'3")JTrack lengthmm (ft in)1 906 (6'3")JTrack lengthmm (ft in)1 550 (5'1")L1Overall with 300mm (11.8") rubber tracksmm (ft in)1 550 (5'1")MOverall lengthmm (ft in)1 550 (5'1")MOverall lengthmm (ft in)1 570 (5'1.8")OOverall lengthmm (ft in)3 876 (12'9")M*Transport lengthmm (ft in)1 570 (5'1.8")OOverall lengthmm (ft in)3 00 (1'1.4")PDozer blade heightmm (ft in)3 00 (1'1.4")PDozer blade heightmm (ft in)2 505 (8'1")UOverall keight cabmm (ft in)2 505 (8'1")UOveral bleight cabmm (ft in)1 555 (5'1")UOveral bleight cabmm (ft in)1 555 (5'1")UOveral sequent cabamm (ft in)1 5 | В | Maximum dump height | mm (ft in) | 2 784 (9'2") | 2 957 (9'8") | |
| C* Maximum digging depth mm (ft in) 2 672 (8'9") 2 965 (9'9") D Maximum vertical wall digging depth mm (ft in) 1832 (6'0") 2 119 (6'11") E Maximum digging reach at ground level mm (ft in) 4 313 (14'2") 4 602 (15'1") F Maximum digging reach mm (ft in) 4 414'9") 4 768 (15'8") G Highest position dozer blade mm (ft in) 4444 (14'9") 4 768 (15'8") I Tumbler length mm (ft in) 440 (4'8.6") 1 J Track length mm (ft in) 1440 (4'8.6") 1 J Track length mm (ft in) 1906 (6'3") 1 L Overall keight of engine hood mm (ft in) 1906 (6'3") 3 M Overall height of engine hood mm (ft in) 1550 (5'1") 4 525 (14'10") M Store width (rubber) mm (ft in) 1570 (5'1.8") 0 O Minimum ground clearance mm (ft in) 1570 (5'1.9") 4 525 (14'10") R Ground clearance to superstructure | В* | Maximum bucket clearance | mm (ft in) | 2 897 (9'6") | 3 070 (10'1") | |
| DMaximum vertical wall digging depthmm (ft in) $1832 (6^{10})$ $2 119 (6^{111})$ EMaximum digging reach at ground levelmm (ft in) $4 313 (14^{12})$ $4 602 (15^{11})$ FMaximum digging reachmm (ft in) $4 481 (14^{19})$ $4 768 (15^{18})$ GHighest position dozer blademm (ft in) $4424 (14^{19})$ $4 768 (15^{18})$ HLowest position dozer blademm (ft in) $422 (1^{14}.6^{17})$ ITumbler lengthmm (ft in) $1 440 (2^{18}.6^{17})$ JTrack lengthmm (ft in) $1 906 (6^{13})$ KDozer blade, maximum reach at ground levelmm (ft in) $1 385 (4^{15}.7^{17})$ IOverall width with 300mm (11.8") rubber tracksmm (ft in) $1 550 (5^{11})^{17}$ MOverall lengthmm (ft in) $4 595 (15^{11})^{17}$ $4 525 (14^{10})^{10}$ NOverall height of engine hoodmm (ft in) $1 570 (5^{11.8"})$ OMinimum ground clearancemm (ft in) $300 (1^{11}.4^{17})$ PDozer blade heightmm (ft in) $300 (1^{11}.4^{17})$ RGround clearance to superstructuremm (ft in) $2 502 (6^{12})^{11}$ UOverall height cabmm (ft in) $2 505 (8^{12})^{11}$ UOverall width maximum offsetmm (ft in) $1 550 (5^{11})^{11}$ UOverall height canopymm (ft in) $1 550 (5^{11})^{11}$ VVarial height canopymm (ft in) $1 550 (5^{11})^{11}$ XTail slew radiusmm (ft in) $1 550 $ | С | Digging depth | mm (ft in) | 2 461 (8'1") | 2 761 (9'1") | |
| E Maximum digging reach at ground level mm (ft in) 4 313 (14'2") 4 602 (15'1") F Maximum digging reach mm (ft in) 4 484 (14'9") 4 768 (15'8") G Highest position dozer blade mm (ft in) 4 484 (14'9") 4 768 (15'8") H Lowest position dozer blade mm (ft in) 4 422 (14.6") 4 422 (14.6") Turmble length mm (ft in) 1 4404 (4'8.6") 1 440 (4'8.6") 1 440 (4'8.6") J Tarck length mm (ft in) 1 305 (4'5.7") 4 505 (5'3") 4 525 (14'0") K Dozer blade, maximum reach at ground level mm (ft in) 1 305 (15'1") 3 876 (12'9") M Verall length mm (ft in) 4 008 (13'2") 3 876 (12'9") M Tarasport length mm (ft in) 4 595 (15'1") 4 525 (14'10") N Overall height of engine hood mm (ft in) 1 570 (5'1.8") 0 O Minimum ground clearance mm (ft in) 3 12 (1'0.2") 0 56 (12'0") N Overall height canopy mm (ft in) 3 00 (1') 1 550 | C* | Maximum digging depth | mm (ft in) | 2 672 (8'9") | 2 965 (9'9") | |
| FMaximum digging reachmm (ft in)4 484 (14'9")4 768 (15'8")GHighest position dozer blademm (ft in)401 (1'3.7")HLowest position dozer blademm (ft in)422 (14.6")ITumbler lengthmm (ft in)1440 (4'8.6")JTrack lengthmm (ft in)1906 (6'3")KDozer blade, maximum reach at ground levelmm (ft in)1365 (4'5.7")L1Overall width with 300mm (11.8") rubber tracksmm (ft in)1550 (5'1")MOverall lengthmm (ft in)4 508 (13'2")3 876 (12'9")MTransport lengthmm (ft in)4 505 (15'1")4 525 (14'10")NOverall height of engine hoodmm (ft in)4 595 (15'1")4 525 (14'10")NOverall height of engine hoodmm (ft in)290 (0'11.4")PDozer blade heightmm (ft in)300 (1)RGround clearancemm (ft in)300 (1)RGround clearance to superstructuremm (ft in)2002 (6'7")TFront slew radius with maximum offsetmm (ft in)1555 (5'1")UOverall height cabmm (ft in)2 535 (8'4")UOverall height cabmm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)1 350 (5'1")XTail slew radiusmm (ft in)1 550 (5'1")XTail slew radiusm | D | Maximum vertical wall digging depth | mm (ft in) | 1832 (6'0") | 2 119 (6'11") | |
| G Highest position dozer blade mm (ft in) 401 (1'3.7") H Lowest position dozer blade mm (ft in) 422 (1'4.6") I Tumbler length mm (ft in) 1440 (4'8.6") J Track length mm (ft in) 1906 (6'3") K Dozer blade, maximum reach at ground level mm (ft in) 1365 (4'5.7") L Overall width with 300mm (11.8") rubber tracks mm (ft in) 1550 (5'1") M Overall length mm (ft in) 4 008 (13'2") 3 876 (12'9") M* Transport length mm (ft in) 4 595 (15'1") 4 525 (14'10") N Overall height of engine hood mm (ft in) 1570 (5'1.8") 0 O Minimum ground clearance mm (ft in) 312 (1'0.2") Q Q Shoe width (rubber) mm (ft in) 312 (1'0.2") Q Q Shoe width (rubber) mm (ft in) 1555 (5'1") 4 525 (14'10") T Front slew radius with maximum offset mm (ft in) 1555 (5'1") U Q Shoe width (rubber) mm (ft in) 1555 (5'1") U Qoverall height cab | Е | Maximum digging reach at ground level | mm (ft in) | 4 313 (14'2") | 4 602 (15'1") | |
| HLowest position dozer blademm (ft in)422 (1'4.6")ITumbler lengthmm (ft in)1 440 (4'8.6")JTrack lengthmm (ft in)1 906 (6'3")KDozer blade, maximum reach at ground levelmm (ft in)1 365 (4'5.7")L1Overall width with 300mm (11.8") rubber tracksmm (ft in)1 550 (5'1")MOverall lengthmm (ft in)4 008 (13'2")3 876 (12'9")MTransport lengthmm (ft in)4 595 (15'1")4 525 (14'10")NOverall height of engine hoodmm (ft in)1 570 (5'1.8")OMinimum ground clearancemm (ft in)290 (0'11.4")PDozer blade heightmm (ft in)3000 (1')RGround clearance to superstructuremm (ft in)3000 (1')RGround clearance to superstructuremm (ft in)2002 (6'7")TFront slew radius with maximum offsetmm (ft in)1 555 (5'1")UOverall height cabmm (ft in)2 535 (8'4")U*Overall height cabmm (ft in)2 535 (8'4")U*Overall height canopymm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)750 (2'6")YAngle of approach°3 4zDozer blade widthmm (ft in)1 550 (5'1")atMaximum boom offset to the right°72mMaximum boom swing angle to the left°72mMaximum boom swing angle to the right°56M | F | Maximum digging reach | mm (ft in) | 4 484 (14'9") | 4 768 (15'8") | |
| I Tumbler length mm (ft in) 1 440 (4'8.6") J Track length mm (ft in) 1 906 (6'3") K Dozer blade, maximum reach at ground level mm (ft in) 1 365 (4'5.7") L1 Overall width with 300mm (11.8") rubber tracks mm (ft in) 1 350 (5'1") M Overall length mm (ft in) 4 008 (13'2") 3 876 (12'9") M Overall height of engine hood mm (ft in) 4 525 (14'10") N Overall height of engine hood mm (ft in) 1570 (5'1.8") O Minimum ground clearance mm (ft in) 290 (0'11.4") P Dozer blade height mm (ft in) 300 (1') R Ground clearance to superstructure mm (ft in) 300 (1') R Ground clearance to superstructure mm (ft in) 202 (6'7") T Front slew radius with maximum offset mm (ft in) 1555 (5'1") U Overall height cab mm (ft in) 1555 (5'1") U* Overall height canopy mm (ft in) 2505 (8'3") V Overall height canopy mm (ft in) 340 (4'5") X | G | Highest position dozer blade | mm (ft in) | 401 (1 | '3.7") | |
| J Track length mm (ft in) 1 906 (6'3") K Dozer blade, maximum reach at ground level mm (ft in) 1 365 (4'5.7") L1 Overall width with 300mm (11.8") rubber tracks mm (ft in) 1 550 (5'1") M Overall length mm (ft in) 4 008 (13'2") 3 876 (12'9") M* Transport length mm (ft in) 4 505 (15'1") 4 525 (14'10") N Overall height of engine hood mm (ft in) 290 (0'11.4") P Dozer blade height mm (ft in) 300 (1') R Ground clearance to superstructure mm (ft in) 300 (1') R Ground clearance to superstructure mm (ft in) 2002 (6'7") T Front slew radius mm (ft in) 2002 (6'7") T Front slew radius with maximum offset mm (ft in) 255 (8'4") U Overall height cab mm (ft in) 1340 (4'5") X Tail slew radius mm (ft in) 1340 (4'5") V Voerall height canopy mm (ft in) 1340 (4'5") V Voerall height canopy mm (ft in) 1340 (4'5") <td< td=""><td>Н</td><td>Lowest position dozer blade</td><td>mm (ft in)</td><td>422 (1</td><td>'4.6")</td></td<> | Н | Lowest position dozer blade | mm (ft in) | 422 (1 | '4.6") | |
| KDozer blade, maximum reach at ground levelmm (ft in) $1.365 (4^25.7")$ L1Overall width with 300mm (11.8") rubber tracksmm (ft in) $1.550 (5^{1+1})$ MOverall lengthmm (ft in) $4.008 (13^{1}2")$ $3.876 (12^{1}9")$ M*Transport lengthmm (ft in) $4.595 (15^{1+1})$ $4.525 (14^{1}10")$ NOverall height of engine hoodmm (ft in) $1.570 (5^{1}1.8")$ OMinimum ground clearancemm (ft in) $2.90 (0^{1}11.4")$ PDozer blade heightmm (ft in) $3.00 (1^{1})$ RGround clearance to superstructuremm (ft in) $3.00 (1^{1})$ RGround clearance to superstructuremm (ft in) $2.002 (6^{1}7")$ TFront slew radiusmm (ft in) $2.002 (6^{1}7")$ TFront slew radius with maximum offsetmm (ft in) $1.555 (5^{1}3^{1})$ UOverall height cabmm (ft in) $2.535 (8^{1}4")$ U*Overall height cappymm (ft in) $1.340 (4^{1}5")$ XTail slew radiusmm (ft in) $1.340 (4^{1}5")$ XTail slew radiusmm (ft in) $1.550 (5^{1}")$ MOverall height of superstructuremm (ft in) $1.550 (5^{1}")$ XTail slew radiusmm (ft in) $1.550 (5^{1}")$ aMaximum boom swing angle to | 1 | Tumbler length | mm (ft in) | 1 440 (| 4'8.6") | |
| L1Overall width with 300mm (11.8") rubber tracksmm (ft in)1 550 (5'1")MOverall lengthmm (ft in)4 008 (13'2")3 876 (12'9")M*Transport lengthmm (ft in)4 595 (15'1")4 525 (14'10")NOverall height of engine hoodmm (ft in)1 570 (5'1.8")4 525 (14'10")OMinimum ground clearancemm (ft in)290 (0'11.4")PPDozer blade heightmm (ft in)312 (1'0.2")3 876 (12'9")QShoe width (rubber)mm (ft in)300 (1')1RGround clearance to superstructuremm (ft in)300 (1')SFront slew radiusmm (ft in)2 002 (6'7")TFront slew radius with maximum offsetmm (ft in)1 555 (5'1")UOverall height cabmm (ft in)1 550 (5'1")U*Overall height canopymm (ft in)2 505 (8'3")WOverall width of superstructuremm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)1 550 (5'1")YAngle of approach°34zDozer blade widthmm (ft in)1 550 (5'1")utMaximum boom swing angle to the left°72utMaximum boom swing angle to the leight0 (ft in)56Maximum boom swing angle to the leight0 (ft in)56Maximum boom swing angle to the leight0 (ft in)56 | J | Track length | mm (ft in) | 1906 | (6'3") | |
| MOverall lengthmm (ft in)4 008 (13'2")3 876 (12'9")M* Transport lengthmm (ft in)4 595 (15'1")4 525 (14'10")NOverall height of engine hoodmm (ft in)1 570 (5'1.8")OMinimum ground clearancemm (ft in)290 (0'11.4")PDozer blade heightmm (ft in)312 (1'0.2")QShoe width (rubber)mm (ft in)300 (1')RGround clearance to superstructuremm (ft in)554 (1'10")SFront slew radiusmm (ft in)2 002 (6'7")TFront slew radius with maximum offsetmm (ft in)1 555 (5'1")UOverall height cabmm (ft in)2 535 (8'4")U*Overall height cabmm (ft in)2 505 (8'3")WOverall width of superstructuremm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)750 (2'6")YAngle of approach°34zDozer blade widthmm (ft in)1 550 (5'1")dMaximum boom swing angle to the left°72Maximum boom swing angle to the left°72Maximum boom swing angle to the left°66Maximum boom swing angle to the left066Maximum boom swing angle to the left066 | к | Dozer blade, maximum reach at ground level | mm (ft in) | 1 365 (| 4'5.7") | |
| M*Transport lengthmm (ft in)4 595 (15'1")4 525 (14'10")NOverall height of engine hoodmm (ft in)1 570 (5'1.8")OMinimum ground clearancemm (ft in)290 (0'11.4")PDozer blade heightmm (ft in)312 (1'0.2")QShoe width (rubber)mm (ft in)300 (1')RGround clearance to superstructuremm (ft in)554 (1'10")SFront slew radiusmm (ft in)2 002 (6'7")TFront slew radius with maximum offsetmm (ft in)1 555 (5'1")UOverall height cabmm (ft in)2 535 (8'4")U*Overall height canopymm (ft in)2 505 (8'3")WOverall width of superstructuremm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)750 (2'6")YAngle of approach°34zDozer blade widthmm (ft in)1 550 (5'1")qMaximum boom swing angle to the left°72Maximum boom swing angle to the left°56Maximum boom swing angle to the right°56Maximum boom swing angle to he left°66Maximum boom swing angle to he left°66 | L1 | Overall width with 300mm (11.8") rubber tracks | mm (ft in) | 1 550 | (5'1") | |
| NOverall height of engine hoodmm (ft in)1570 (5'1.8")OMinimum ground clearancemm (ft in)290 (0'11.4")PDozer blade heightmm (ft in)312 (1'0.2")QShoe width (rubber)mm (ft in)300 (1')RGround clearance to superstructuremm (ft in)554 (1'10")SFront slew radiusmm (ft in)2 002 (6'7")TFront slew radius with maximum offsetmm (ft in)1 555 (5'1")UOverall height cabmm (ft in)2 535 (8'4")U*Overall height canopymm (ft in)2 505 (8'3")WOverall width of superstructuremm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)750 (5'1")YAngle of approach°34zDozer blade widthmm (ft in)1 550 (5'1")d1Maximum boom swing angle to the left°72Maximum boom swing angle to the rightmm (ft in)784 (2'7")Maximum boom swing angle to the rightmm (ft in)740 (2'7")Maximum boom swing angle to the rightmm (ft in)740 (2'7")Maximum boom swing angle to the rightmm (ft in)740 (2'7")Maximum boom swing angle to the rightmm (ft in)740 (2'7")Maximum boom swing angle to the rightmm (ft in)761 (2'0") | Μ | Overall length | mm (ft in) | 4 008 (13'2") | 3 876 (12'9") | |
| OMinimum ground clearancemm (ft in)290 (0'11.4")PDozer blade heightmm (ft in)312 (1'0.2")QShoe width (rubber)mm (ft in)300 (1')RGround clearance to superstructuremm (ft in)554 (1'10")SFront slew radiusmm (ft in)2 002 (6'7")TFront slew radius with maximum offsetmm (ft in)1 555 (5'1")UOverall height cabmm (ft in)2 535 (8'4")U*Overall height canopymm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)750 (2'6")YAngle of approach°34zDozer blade widthmm (ft in)1 550 (5'1")d1Maximum boom swing angle to the left°72Maximum boom swing angle to the right°56Maximum boom swing angle to the left°56Maximum boom swing angle to the left°61Maximum boom swing angle to the left°56 | M* | Transport length | mm (ft in) | 4 595 (15'1") | 4 525 (14'10") | |
| PDozer blade heightmm (ft in)312 (1'0.2")QShoe width (rubber)mm (ft in)300 (1')RGround clearance to superstructuremm (ft in)554 (1'10")SFront slew radiusmm (ft in)2 002 (6'7")TFront slew radius with maximum offsetmm (ft in)1 555 (5'1")UOverall height cabmm (ft in)2 535 (8'4")U*Overall height cabmm (ft in)2 505 (8'3")WOverall width of superstructuremm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)750 (2'6")YAngle of approach°34zDozer blade widthmm (ft in)1 550 (5'1")a1Maximum boom swing angle to the left°72β1Maximum boom swing angle to the right°56Maximum boom swing angle to the right°56Maximum boom swing angle to the right°56 | N | Overall height of engine hood | mm (ft in) | 1 570 (| 5'1.8") | |
| QShoe width (rubber)mm (ft in)300 (1')RGround clearance to superstructuremm (ft in)554 (1'10")SFront slew radiusmm (ft in)2 002 (6'7")TFront slew radius with maximum offsetmm (ft in)1 555 (5'1")UOverall height cabmm (ft in)2 535 (8'4")U*Overall height canopymm (ft in)2 505 (8'3")WOverall width of superstructuremm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)750 (2'6")YAngle of approach°34zDozer blade widthmm (ft in)1 550 (5'1")d1Maximum boom swing angle to the left°72Maximum boom swing angle to the right°56Maximum boom swing angle to the right°56 | 0 | Minimum ground clearance | mm (ft in) | 290 (0 | '11.4") | |
| RGround clearance to superstructuremm (ft in)554 (1'10")SFront slew radiusmm (ft in)2 002 (6'7")TFront slew radius with maximum offsetmm (ft in)1 555 (5'1")UOverall height cabmm (ft in)2 535 (8'4")U*Overall height canopymm (ft in)2 505 (8'3")WOverall width of superstructuremm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)750 (2'6")YAngle of approach°34zDozer blade widthmm (ft in)1 550 (5'1")d1Maximum boom swing angle to the left°72p1Maximum boom swing angle to the rightmm (ft in)784 (2'7")d2Maximum boom swing angle to the right°56 | Р | Dozer blade height | mm (ft in) | 312 (1 | '0.2") | |
| SFront slew radiusmm (ft in)2 002 (6'7")TFront slew radius with maximum offsetmm (ft in)1 555 (5'1")UOverall height cabmm (ft in)2 535 (8'4")U*Overall height canopymm (ft in)2 505 (8'3")WOverall width of superstructuremm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)750 (2'6")YAngle of approach°34zDozer blade widthmm (ft in)1 550 (5'1")α1Maximum boom swing angle to the left°72β1Maximum boom offset to the rightmm (ft in)784 (2'7")α2Maximum boom swing angle to the right°56 | Q | Shoe width (rubber) | mm (ft in) | 300 | (1') | |
| TFront slew radius with maximum offsetmm (ft in)1 555 (5'1")UOverall height cabmm (ft in)2 535 (8'4")U*Overall height canopymm (ft in)2 505 (8'3")WOverall width of superstructuremm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)750 (2'6")YAngle of approach°34zDozer blade widthmm (ft in)1 550 (5'1")a1Maximum boom swing angle to the left°72β1Maximum boom swing angle to the right°56Maximum boom swing angle to the left°56 | R | Ground clearance to superstructure | mm (ft in) | 554 (| 1'10") | |
| UOverall height cabmm (ft in) $2535 (8'4")$ U*Overall height canopymm (ft in) $2505 (8'3")$ WOverall width of superstructuremm (ft in) $1340 (4'5")$ XTail slew radiusmm (ft in) $750 (2'6")$ YAngle of approach° 34 zDozer blade widthmm (ft in) $1550 (5'1")$ dMaximum boom swing angle to the left° 72 β_1 Maximum boom swing angle to the rightmm (ft in) $784 (2'7")$ d2Maximum boom swing angle to the right° 56 | S | Front slew radius | mm (ft in) | 2 002 | (6'7") | |
| U*Overall height canopymm (ft in) $2505 (8'3")$ WOverall width of superstructuremm (ft in) $1340 (4'5")$ XTail slew radiusmm (ft in) $750 (2'6")$ YAngle of approach° 34 zDozer blade widthmm (ft in) $1550 (5'1")$ a1Maximum boom swing angle to the left° 72 β_1 Maximum boom swing angle to the right° 56 Maximum boom swing angle to the right° 56 | Т | Front slew radius with maximum offset | mm (ft in) | 1 5 5 5 | (5'1") | |
| WOverall width of superstructuremm (ft in)1 340 (4'5")XTail slew radiusmm (ft in)750 (2'6")YAngle of approach°34zDozer blade widthmm (ft in)1 550 (5'1")otMaximum boom swing angle to the left°72p1Maximum boom offset to the rightmm (ft in)784 (2'7")d2Maximum boom swing angle to the right°56Maximum boom swing angle to the left°106 (4'8") | U | Overall height cab | mm (ft in) | 2 535 | (8'4") | |
| X Tail slew radius mm (ft in) 750 (2'6") Y Angle of approach ° 34 z Dozer blade width mm (ft in) 1550 (5'1") a1 Maximum boom swing angle to the left ° 72 β1 Maximum boom swing angle to the right mm (ft in) 784 (2'7") a2 Maximum boom swing angle to the right ° 56 Maximum boom swing angle to the right ° 106 (4'8") | U* | Overall height canopy | mm (ft in) | 2 505 | (8'3") | |
| YAngle of approach°34zDozer blade widthmm (ft in)1550 (5'1")a1Maximum boom swing angle to the left°72p1Maximum boom offset to the rightmm (ft in)784 (2'7")a2Maximum boom swing angle to the right°56Maximum boom offset to the left°106 (4'8") | W | Overall width of superstructure | mm (ft in) | 1 340 | (4'5") | |
| Arige of approach S4 z Dozer blade width mm (ft in) 1 550 (5'1") a1 Maximum boom swing angle to the left ° 72 p1 Maximum boom offset to the right mm (ft in) 784 (2'7") a2 Maximum boom swing angle to the right ° 56 Maximum boom offset to the left ° 56 | Х | Tail slew radius | | 750 (| 2'6") | |
| a1 Maximum boom swing angle to the left ° 72 β1 Maximum boom offset to the right mm (ft in) 784 (2'7") a2 Maximum boom swing angle to the right ° 56 Maximum boom offset to the left mm (ft in) 106 (4'8") | Υ | Angle of approach | 0 | 3 | 4 | |
| ort Maximum boom swing angle to the left 1/2 B1 Maximum boom offset to the right mm (ft in) 02 Maximum boom swing angle to the right ° 56 Maximum boom offset to the left | z | Dozer blade width | mm (ft in) | 1 550 | (5'1") | |
| Maximum boom swing angle to the right ° 56 | α1 | Maximum boom swing angle to the left | o | 7. | 2 | |
| a2 Waximum beem effect to the right 56 | β1 | Maximum boom offset to the right | | 784 (| 2'7") | |
| _{β2} Maximum boom offset to the left mm (ft in) 496 (1'8") | α2 | Maximum boom swing angle to the right | 0 | 5 | 6 | |
| | β2 | Maximum boom offset to the left | mm (ft in) | 496 (| (1'8") | |

Equipment

| STANDARD EQUIPMENT | STANDARD EQUIPMENT |
|---|--|
| Drivetrain | Hydraulic system |
| Axial piston hydraulic motors equipped with an epicyclic reduction gears. | Plastic tank with drain plug |
| Automatic two speed travel | Variable displacement, load-sensing piston pump |
| Bottom flanged rollers lubricated for life | Closed centre flow-sharing main control valve |
| Grease tensioning wheel lubricated for life | Cushoning on cylinders: |
| Electric / Electronic control system | Boom up |
| Maintenance free 48V battery (3-rack) - fixed for anti-theft protection | Accessory flow adjustment |
| On-board charger | Secondary relief valves for auxiliaries |
| Standard charger cable | Hammer / shear valve |
| Fast charger ready with weather protected socket | Second accessory circuit |
| Maintenance free 12V auxiliary battery | Flat face hydaulic quick couplings |
| High quality connectors | Double acting circuit for hydraulic quick couplers |
| Protected battery cut-off switch | Mineral hydraulic oil VG46 |
| Machine exterior | Large tiltable oil cooler |
| Warning beacon, flashing LED | Patented filtering and filling element |
| Protected LED worklight on the boom | Double-acting hydraulic circuit for accessories |
| Rear LED worklight | Cab |
| Two LED working lights on top front | Certified FOPS level 1 on top (Falling Object Protective Structure) |
| Right and left rear-view mirror | Certified TOPS (Tip-Over Protective Structure) |
| High visibility orange entrance foot step and handle | Certified ROPS (Roll-Over Protective Structure) |
| Swing system | Fabric seat, lumbar adjustment, high backrest and retractable seat belt |
| Radial piston hydraulic motor with direct engagement on the ball internal | High visibility 2" orange seatbelt |
| crown wheel (no reduction gears) | Seat-belt with warning indicator |
| Integrated shockless valve | Large door access |
| Automatic multi-disc spring applied hydraulic released slew brake | Large and roomy uncluttered floor |
| Centralized and remote lubrication of crown wheel & ball bearing | Gas-strutt assisted front window opening |
| Undercarriage | Full opening front bay with in-cab storage for the front lower window. |
| "X" shape, box welded fabricated frame with sloping side members | Front windscreen wiper and washer nozzle |
| 2 Tie-down points on the dozer blade | Right hand side sliding window |
| 2 Tie-down points on the frame | Flat toughened glass |
| 2 lifting points on the frame | Heating systems with in-cab adjustment of temperature and air flow level |
| 300 mm /12" rubber tracks | Multiple adjustable air vents |
| Sturdy removeable protecting covers for track motors and slew system. | Filtered air inlet |
| 400HB weld-on edge on dozer blade | Toolbox with integrated storage for operator's manual and lockeable door |
| | Cab inside light |
| | Cup holder |
| | |

Phone holder

Provision for a radio (antena and electric wiring already fitted)

In-cab 12V power socket

| Digging equ | ipment |
|-------------------------------|---|
| Monobloc b | ox weldded fabricated boom |
| Boom cylind | der rod protection |
| Integrated li | fting point on the boom |
| Monobloc b | ox weldded arms with casted ends |
| Long-life ste | eel bushings |
| Hardened, p | pre-lubricated and corrosion resistant pins |
| 50 hours gr | easing intervals |
| Standard ar | m 1 050 mm / 3'5" |
| Long arm 1 | 350 mm / 4' 5" |
| Instrumenta | tion and monitoring |
| - | st colour 5" LCD display with day and night modes enabling pility whatever lighting conditions |
| Jogwheel fo | or easy navigation and electric motor speed adjustment |
| 3 working n | nodes: Standard, ECO and Boost |
| Several war malfunction | ning messages, coupled to needed action, in the event of |
| Volvo Telem | atic System |
| Machine cor | ntrol system |
| Finger tip co | ontrol for boom offset |
| Finger tip co | ontrol for auxiliary circuit |
| Breaker tog | gle switch on right joystick |
| Automatic le console is ra | ocking device for pilot controls and travel levers when the left aised |
| Electric mot operate the | or starting safety device: the left console must be raised to starter |
| Pressure ac engine is sv | cumulator to lower the equipment on the ground when the vitched off |
| High torque | / automatic two speed change over switch on the dashboard |
| High speed | toggle switch on the dozer blade lever |
| Large travel | pedals |
| Official appr | oval |
| Machine co | nforming to European directive 2006/42/EC |
| Noise emiss | ions in the environment conforming to directive 2000/14/EC |
| Hand Arm V 2002/44/E | 'ibrations - Whole Body Vibrations compliant with directive C |
| | netic compatibility (EMC) conforming to European directive EC and its amendments |
| Object hand | lling device conforming to EN 474-1 and EN 474-5 standards |
| FOPS on to | p level 1 conforming to ISO 10262 standard |
| TOPS confo | rming to ISO 12117 and EN 13531 standards |
| ROPS confo | orming to ISO 3471-1 and / SAE J1040 standards |
| OPG 1 confe | orming to ISO 10262 standard |
| 0000 | arming to ICO 100C0 standard (when againped) |

OPG 2 conforming to ISO 10262 standard (when equipped)

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.





Keep it in the family

In addition to compact excavator, the Volvo L25 Electric is the latest evolution from the company that has been at the forefront of wheel loader innovation for over 65 years. It delivers the performance you expect, but with the zero emission electric power you only ever dreamed of. No matter what your application, this electric compact wheel loader will deliver – but in a quieter, cleaner and more comfortable way.



Volvo Construction Equipment