## 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.



#### 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.



#### At the heart of operations

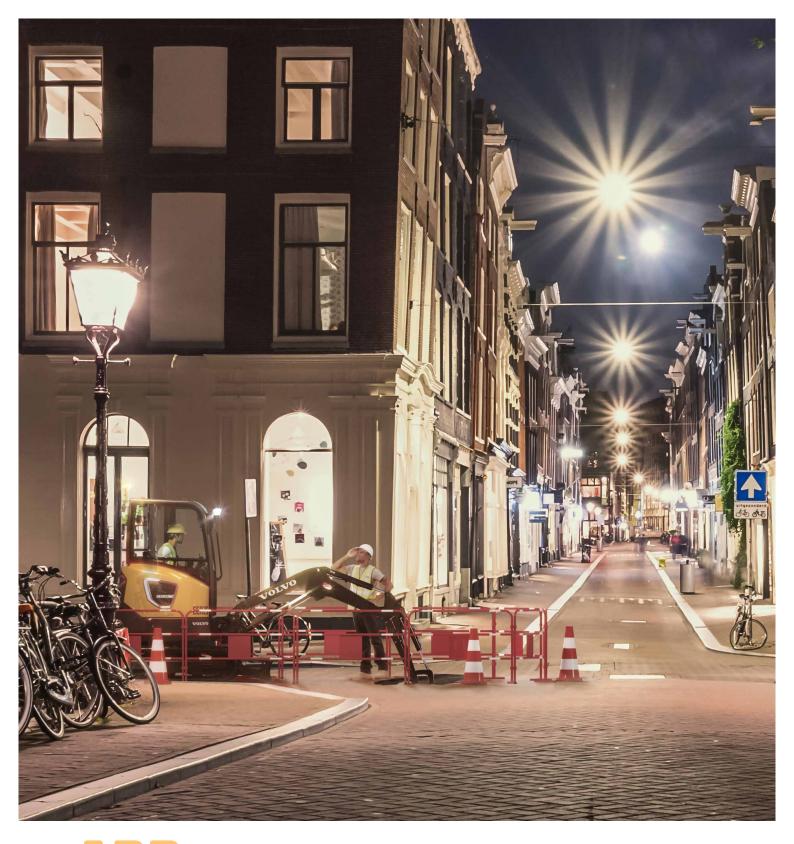
The ECR25 Electric takes the proven credentials of the industry's foremost cab – accessibility, visibility and class leading ergonomics – and then adds a substantial reduction in noise, vibration and heat, ensuring long lasting comfort and productivity. The lack of an exhaust is also noticeable, removing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



#### 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.





## ADD SILENCE

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

## ZERO EMISSION ELECTRIC POWER

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

### **NEW LEVELS OF COMFORT**

- 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



## Volvo ECR25 Electric in detail

Electrical system		
Battery Type		Lithium-ion
Battery Voltage	V	48
Battery capacity (full package)	kWh	20
	Ah	450
Indicative runtime (depending on application)	hours	4-6
Auxiliary Battery Voltage	V	12
Auxiliary Battery capacity	Ah	70
Alternator	V/Ah	12/40

Electrical motor			
Motor type		Permanent magnet	
Motor power (peak)	kW / hp	18	24.1
Motor power (continuous)	kW/hp	14.7	19.7
Operating mode max. / Standard	r/min	2 0	50
Operating mode max. / Eco	r/min	180	00
Operating mode max. / Boost	r/min	2 4	00
Digging Performances			

Digging Performances			
Standard bucket width (blade, W/O side cutter)	mm / ft in	500	1' 8"
Standard bucket mass	kg / lb	59	130
Standard bucket rated capacity	I/gal	74	0.01
Bucket rotation	٥	20	5
Bucket breakout force (ISO)	daN / lbf	2 233	5,020
Long arm tearout force (ISO)	daN / lbf	1 4 9 7	3,365
With long arm	mm / ft in	1 350	4' 5"

Swing system			
Max, slew speed	r/min	9.4	
Max, slew torque	daNm / lbf ft	485	1,090

Hydraulic system				
Pump type		Variable displacement load sensing		
Maximum system flow	l/min / gal/ min	58	15.3	
Maximum flow for accessories	l/min / gal/ min	50	13.2	
Maximum pressure for accessories	Mpa / psi	25	3,626	
Maximum flow for 2nd accessory circuit	l/min / gal/ min	23	6	

Undercarriage			
Rubber track width	mm / ft in	300	12"
Bottom/top rollers per side	'	3 /	1
Track tension		by	grease piston
Blade (width x height)	mm / ft in	1 550 x 312	5' 1" x 1"
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
Gradeability	0	3	0
Service Refill			
Hydraulic system, total	I / gal	33	8.72
Hydraulic tank	I / gal	23	6.08
Travel reduction unit	I / gal	2 x 0.6	0.16
Sound Level			
Interior sound level according to	ISO 6396		
$L_pA$	dB	74	4
External sound level according to Directive (2000/14/EC) and 47-			
L <sub>WA</sub>	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"

#### LIFTING CAPACITY ECR25 ELECTRIC

Maximum operating pressure

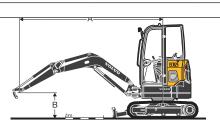
These capacities are given for a machine equipped with a cabin, 300 mm/12" rubber tracks and without a bucket or quick-coupler. The below values are in compliance with ISO standard 10567. They do not exceed 75% of the tipping load or 87% of the hydraulic limit with the machine on firm level ground.

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.

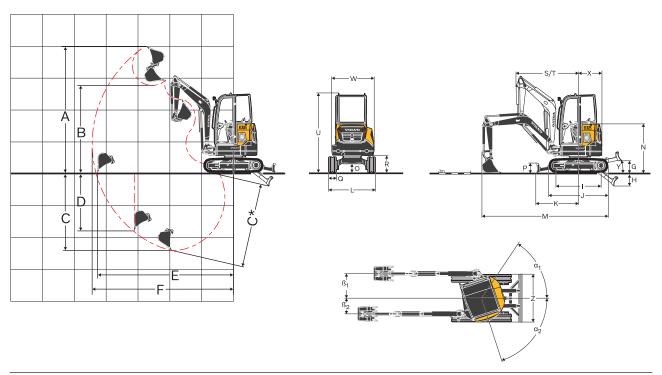
Mpa / psi



		Lifting point radius (A)										
Along undercarriage  Across undercarriage	Lifting			2.0 m/6' 7"			3.0 m/ 9' 10"			Max. reach		Max.
	point     height     (P)		Ů	Ů	<b>-</b>	Ġ	Ė	<b>I</b>	Ė	ė (	<b>H</b> •	m/ft
	m			· PC		<b>A</b>	+EC			<b>→</b> PC		myit
	2	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" Counterweight: standard	1	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	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"

3,626

## **Specifications**



Y       Angle of approach       °       34         Z       Dozer blade width       mm / ft in       1 550       5' 1"         α <sub>1</sub> Maximum boom swing angle to the left       °       72         β <sub>1</sub> Maximum boom offset to the right       mm / ft in       784       2' 7	DIN	IENSIONS				
A Maximum cutting height mm/ft in 4 183 13 9" B Maximum dump height mm/ft in 2 957 9 8" B Maximum dump height mm/ft in 2 957 9 8"  S Maximum bucket clearance mm/ft in 3 070 10'1" C Digging depth mm/ft in 2 261 9'1" C* Maximum digging depth mm/ft in 2 199 6'11" E Maximum vertical wall digging depth mm/ft in 2 119 6'11" E Maximum digging reach at ground level mm/ft in 4 602 15'1" F Maximum digging reach mm/ft in 4 602 15'1" F Maximum digging reach mm/ft in 4 768 15'8" G Highest position dozer blade mm/ft in 422 1'5" I Tumbler length mm/ft in 422 1'5" I Tumbler length mm/ft in 1 1440 4'9" J Track length mm/ft in 1 1906 6'3" K Dozer blade, maximum reach at ground level mm/ft in 1 1906 6'3" K Dozer blade, maximum reach at ground level mm/ft in 1 365 4'6" L Overall width with 300 mm/12" rubber tracks mm/ft in 1 550 5'1" M Overall length mm/ft in 4 525 14'10 N Overall height of engine hood mm/ft in 1570 5'2" OMinimum ground clearance mm/ft in 300 11" P Dozer blade height mm/ft in 312 1' Q Shoe width (rubber) mm/ft in 300 11" R Ground clearance to superstructure mm/ft in 554 1'10 Shoe width (rubber) mm/ft in 1555 5'1" U Overall height cab mm/ft in 1555 5'1" U Overall height cab mm/ft in 1555 5'1" U Overall height cab mm/ft in 1550 6'7" T Front slew radius with maximum offset mm/ft in 1550 5'1" U Overall height cab mm/ft in 1550 5'1" U Overall height cab mm/ft in 1550 5'1" U Overall height cab mm/ft in 1550 5'1" T Front slew radius with maximum offset mm/ft in 1550 5'1" U Overall height cab mm/ft in 1550 5'1" T Front slew radius with maximum offset mm/ft in 1550 5'1" U Overall height cab mm/ft in 1550 5'1"	Des	cription	Unit	EC	CR25 Electric	
B   Maximum dump height	Arm	1	mm / ft in	1 350	4' 5"	
B*         Maximum bucket clearance         mm / ft in         3 070         10' 1"           C         Digging depth         mm / ft in         2 761         9' 1"           C*         Maximum digging depth         mm / ft in         2 965         9' 9"           D         Maximum digging depth         mm / ft in         2 119         6' 11"           E         Maximum digging reach at ground level         mm / ft in         4 602         15' 1"           F         Maximum digging reach         mm / ft in         4 768         15' 8"           G         Highest position dozer blade         mm / ft in         401         1' 4"           H         Lowest position dozer blade         mm / ft in         422         1' 5"           I         Tumbler length         mm / ft in         1440         4' 9"           J         Track length         mm / ft in         1906         6' 3"           K         Dozer blade, maximum reach at ground level         mm / ft in         1906         6' 3"           K         Dozer blade, maximum reach at ground level         mm / ft in         1365         4' 6"           L         Overall width with 300 mm / 12" rubber tracks         mm / ft in         1365         12' 9"	Α	Maximum cutting height	mm / ft in	4 183	13' 9"	
C Digging depth mm/ft in 2 761 9' 1" C* Maximum digging depth mm/ft in 2 965 9' 9"  D Maximum vertical wall digging depth mm/ft in 2 119 6' 11"  E Maximum digging reach at ground level mm/ft in 4 602 15' 1"  F Maximum digging reach mm/ft in 4 768 15' 8"  G Highest position dozer blade mm/ft in 401 1' 4"  H Lowest position dozer blade mm/ft in 422 1' 5"  I Tumbler length mm/ft in 1440 4' 9"  J Track length mm/ft in 1906 6' 3"  K Dozer blade, maximum reach at ground level mm/ft in 1966 6' 3"  K Dozer blade, maximum reach at ground level mm/ft in 1550 5' 1"  M Overall width with 300 mm/12" rubber tracks mm/ft in 1550 5' 1"  M Overall height of engine hood mm/ft in 1570 5' 2"  O Minimum ground clearance mm/ft in 312 1'  O Shoe width (rubber) mm/ft in 312 1'  G Shoe width (rubber) mm/ft in 554 1' 10  S Front slew radius with maximum offset mm/ft in 1555 5' 1"  O Verall width of approach mm/ft in 1555 8' 1"  O Verall height cab mm/ft in 1555 8' 1"  O Verall width of approach mm/ft in 1550 5' 1"  O Verall beight cab mm/ft in 1555 8' 1"  O Verall height cab mm/ft in 1555 8' 1"  O Verall height cab mm/ft in 1550 2' 6' 7"  T Front slew radius with maximum offset mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  O Verall height cab mm/ft in 1550 5' 1"  A Radio of approach 6' 7'  Front slew radius mm/ft in 1550 5' 1"  A Radio of approach 6' 7'  A Maximum boom swing angle to the left 6' 7'  Maximum boom swing angle to the left 6' 7'  Maximum boom swing angle to the left 6' 7'  Maximum boom swing angle to the left 6' 7'  Maximum boom swing angle to the left 6' 7'  Maxim	В	Maximum dump height	mm / ft in	2 957	9' 8"	
C*         Maximum digging depth         mm/ft in         2 965         9' 9"           D         Maximum digging depth         mm/ft in         2 119         6' 11"           E         Maximum digging reach at ground level         mm/ft in         4 602         15' 1"           F         Maximum digging reach         mm/ft in         4 768         15' 8"           G         Highest position dozer blade         mm/ft in         401         1' 4"           H         Lowest position dozer blade         mm/ft in         422         1' 5"           I         Tumbler length         mm/ft in         1440         4' 9"           J         Track length         mm/ft in         1906         6' 3"           K         Dozer blade, maximum reach at ground level         mm/ft in         1906         6' 3"           L         Overall width with 300 mm / 12" rubber tracks         mm/ft in         1365         4' 6"           L         Overall width with 300 mm / 12" rubber tracks         mm/ft in         1550         5' 1"           M**         Transport length         mm/ft in         1570         5' 2"           M**         Transport length         mm/ft in         1570         5' 2"           O Winimum ground	В*	Maximum bucket clearance	mm / ft in	3 070	10' 1"	
D Maximum vertical wall digging depth mm/ft in 2 119 6' 11" E Maximum digging reach at ground level mm/ft in 4 602 15' 1" F Maximum digging reach mm/ft in 4 768 15' 8" G Highest position dozer blade mm/ft in 401 1' 4" Lowest position dozer blade mm/ft in 422 1' 5" I Tumbler length mm/ft in 1440 4' 9" J Track length mm/ft in 1906 6' 3" K Dozer blade, maximum reach at ground level mm/ft in 1906 6' 3" M Overall width with 300 mm / 12" rubber tracks mm/ft in 1365 4' 6" L Overall length mm/ft in 1550 5' 1" M Overall length mm/ft in 4525 14' 10 N Overall length mm/ft in 4525 14' 10 N Overall height of engine hood mm/ft in 1570 5' 2" O Minimum ground clearance mm/ft in 312 1' D Shoe width (rubber) mm/ft in 312 1' R Ground clearance to superstructure mm/ft in 200 6' 7" Front slew radius mm/ft in 2002 6' 7" T Front slew radius with maximum offset mm/ft in 1555 5' 1" U Overall width of superstructure mm/ft in 1555 5' 1" U Overall width of superstructure mm/ft in 1555 5' 1" U Overall width of superstructure mm/ft in 1555 5' 1" U Overall width of superstructure mm/ft in 1555 5' 1" U Overall width of superstructure mm/ft in 1550 2' 6' 7" T Front slew radius mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1" U Overall width of superstructure mm/ft in 1550 5' 1	С	Digging depth	mm / ft in	2 761	9' 1"	
E Maximum digging reach at ground level mm / ft in 4 602 15' 1" F Maximum digging reach mm / ft in 4 768 15' 8" G Highest position dozer blade mm / ft in 401 1' 4" H Lowest position dozer blade mm / ft in 401 4' 9" I Tumbler length mm / ft in 1440 4' 9" J Track length mm / ft in 1906 6' 3" K Dozer blade, maximum reach at ground level mm / ft in 1365 4' 6" L Overall width with 300 mm / 12" rubber tracks mm / ft in 1550 5' 1" M* Transport length mm / ft in 4525 14' 10 N Overall height of engine hood mm / ft in 4525 14' 10 N Overall height of engine hood mm / ft in 1570 5' 2" O Minimum ground clearance mm / ft in 312 1' O Shoe width (rubber) mm / ft in 300 1' R Ground clearance to superstructure mm / ft in 554 1' 10 S Front slew radius mm min mm / ft in 2002 6' 7" T Front slew radius mm mm / ft in 255 8' 4" U Overall width of superstructure mm / ft in 255 8' 4" U Overall width to superstructure mm / ft in 1555 5' 1" U Overall width of superstructure mm / ft in 1555 5' 1" U Overall width of superstructure mm / ft in 1555 5' 1" U Overall width of superstructure mm / ft in 1340 4' 5" X Tail slew radius mm / ft in 1550 5' 1" U Overall width of superstructure mm / ft in 1550 5' 1" U Overall width of superstructure mm / ft in 1550 5' 1" U Overall width of superstructure mm / ft in 1550 5' 1" U Overall width of superstructure mm / ft in 1550 5' 1" U Angle of approach " 72  A ngle of approach " 72  A ngle of approach " 74  Maximum boom swing angle to the left " 74  Maximum boom swing angle to the left " 74  Maximum boom swing angle to the left " 74  Maximum boom swing angle to the right " 784  Maximum boom swing angle to the right " 750  Maximum boom swing angle to the right " 750  Maximum boom swing angle to the right " 750  Maximum boom swing angle to the right " 750  Maximum boom swing angle to the right " 750  Maximum boom swing angle to the right " 750  Maximum boom swing angle to the right " 750  Maximum boom swing angle to the right " 750  Maximum boom swing angle to the right " 750  Maximum boom swing angle to th	C*	Maximum digging depth	mm / ft in	2 965	9'9"	
F Maximum digging reach mm/ft in 4 768 15'8" G Highest position dozer blade mm/ft in 401 1'4" H Lowest position dozer blade mm/ft in 422 1'5" I Tumbler length mm/ft in 1420 4'9" J Track length mm/ft in 1906 6'3" K Dozer blade, maximum reach at ground level mm/ft in 1906 6'3" L Overall width with 300 mm / 12" rubber tracks mm/ft in 1550 5'1" M Overall length mm/ft in 3876 12'9" M* Transport length mm/ft in 4525 14'10 N Overall height of engine hood mm/ft in 1570 5'2" O Minimum ground clearance mm/ft in 290 11" P Dozer blade height mm/ft in 312 1' Q Shoe width (rubber) mm/ft in 312 1' Q Shoe width (rubber) mm/ft in 554 1'10 S 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 cab mm/ft in 1555 5'1" U Overall height cab mm/ft in 1340 4'5" X Tall slew radius mm/ft in 1550 2'6" Y Angle of approach 6'72  Angle of approach 7'2  Angle of approach 7'2  Angle Maximum boom swing angle to the right mm/ft in 784 2'7  And Maximum boom swing angle to the right mm/ft in 784  Maximum boom swing angle to the right mm/ft in 784  Maximum boom swing angle to the right mm/ft in 784  Maximum boom swing angle to the right mm/ft in 784  Maximum boom swing angle to the right mm/ft in 784  Maximum boom swing angle to the right mm/ft in 784  Maximum boom swing angle to the right mm/ft in 784	D	Maximum vertical wall digging depth	mm / ft in	2 119	6' 11"	
G         Highest position dozer blade         mm/ft in         401         1' 4"           H         Lowest position dozer blade         mm/ft in         422         1' 5"           I         Tumbler length         mm/ft in         1 440         4' 9"           J         Track length         mm/ft in         1 906         6' 3"           K         Dozer blade, maximum reach at ground level         mm/ft in         1 306         4' 6"           L         Overall width with 300 mm / 12" rubber tracks         mm/ft in         1 550         5' 1"           M         Overall length         mm/ft in         3 876         12' 9"           M*         Transport length         mm/ft in         4 525         14' 10           N         Overall height of engine hood         mm/ft in         1 570         5' 2"           O         Minimum ground clearance         mm/ft in         290         11"           P         Dozer blade height         mm/ft in         312         1'           Q         Shoe width (rubber)         mm/ft in         312         1'           Ground clearance to superstructure         mm/ft in         554         1'10           S         Front slew radius         mm/ft in	Е	Maximum digging reach at ground level	mm / ft in	4 602	15' 1"	
H Lowest position dozer blade mm/ft in 422 1'5"  I Tumbler length mm/ft in 1440 4'9"  J Track length mm/ft in 1906 6'3"  K Dozer blade, maximum reach at ground level mm/ft in 1365 4'6"  L Overall with 300 mm/12" rubber tracks mm/ft in 1550 5'1"  M Overall length mm/ft in 3876 12'9"  M* Transport length mm/ft in 4525 14'10  N Overall height of engine hood mm/ft in 1570 5'2"  O Minimum ground clearance mm/ft in 290 11"  P Dozer blade height mm/ft in 312 1'  Q Shoe width (rubber) mm/ft in 300 1'  R Ground clearance to superstructure mm/ft in 300 1'  F Front slew radius mm/ft in 2 002 6'7"  T Front slew radius with maximum offset mm/ft in 1555 5'1"  U Overall height cab mm/ft in 1340 4'5"  X Tail slew radius mm/ft in 1550 2'6"  X Alge of approach 0'14 1340 4'5"  X Tail slew radius mm/ft in 1550 5'1"  Q Sozer blade width mm/ft in 1550 5'1"  Alge of approach 0'2 34  Dozer blade width mm/ft in 1550 5'1"  Alge of approach 0'34  Dozer blade width mm/ft in 1550 5'1"  Alge of approach 0'34  Dozer blade width mm/ft in 1550 5'1"  Alge of approach 0'72  Alge Maximum boom swing angle to the left 0'72  Maximum boom swing angle to the right 0'74  Maximum boom swing angle to the right 0'75  Mm/ft in 784  Dozer blade width 0'75  Maximum boom swing angle to the right 0'75  Mm/ft in 784  Dozer blade width 0'75  Maximum boom swing angle to the right 0'75  Mm/ft in 784  Dozer blade width 0'75  Mm/ft in 784  Dozer blade width 0'75  Dozer blade width	F	Maximum digging reach	mm / ft in	4 768	15' 8"	
Tumbler length	G	Highest position dozer blade	mm / ft in	401	1' 4"	
J         Track length         mm/ft in         1 906         6' 3"           K         Dozer blade, maximum reach at ground level         mm/ft in         1 365         4' 6"           L         Overall width with 300 mm / 12" rubber tracks         mm / ft in         1 550         5' 1"           M         Overall length         mm / ft in         3 876         12' 9"           M*         Transport length         mm / ft in         4 525         14' 10           N         Overall height of engine hood         mm / ft in         1570         5' 2"           O         Minimum ground clearance         mm / ft in         290         11"           P         Dozer blade height         mm / ft in         312         1'           Q         Shoe width (rubber)         mm / ft in         300         1'           R         Ground clearance to superstructure         mm / ft in         554         1' 10           S         Front slew radius         mm / ft in         2 002         6' 7"           T         Front slew radius with maximum offset         mm / ft in         1 555         5' 1"           U         Overall height cab         mm / ft in         1 340         4' 5"           V         Yall s	Н	Lowest position dozer blade	mm / ft in	422	1' 5"	
K Dozer blade, maximum reach at ground level mm/ft in 1365 4'6" L Overall width with 300 mm / 12" rubber tracks mm / ft in 1550 5'1" M Overall length mm/ft in 3 876 12' 9" M* Transport length mm/ft in 4 525 14' 10 N Overall height of engine hood mm/ft in 1570 5' 2" O Minimum ground clearance mm/ft in 290 11" P Dozer blade height mm/ft in 312 1' O Shoe width (rubber) mm/ft in 300 1' R Ground clearance to superstructure mm/ft in 554 1' 10 S Front slew radius mm/ft in 2002 6' 7" T Front slew radius with maximum offset mm/ft in 1555 5' 1" U Overall height cab mm/ft in 2 535 8' 4" U Overall width of superstructure mm/ft in 1 340 4' 5" X Tail slew radius mm/ft in 1 340 4' 5" Y Angle of approach " 34  Z Dozer blade width mm/ft in 1 550 5' 1"  q <sub>1</sub> Maximum boom swing angle to the left " 72 Maximum boom swing angle to the right mm/ft in 784 2' 7  q <sub>2</sub> Maximum boom swing angle to the right " 784  Maximum boom swing a	1	Tumbler length	mm / ft in	1 440	4' 9"	
L Overall width with 300 mm / 12" rubber tracks mm / ft in 1550 5' 1"  M Overall length mm / ft in 3 876 12' 9"  M* Transport length mm / ft in 4 525 14' 10  N Overall height of engine hood mm / ft in 1570 5' 2"  O Minimum ground clearance mm / ft in 290 11"  P Dozer blade height mm / ft in 312 1'  Q Shoe width (rubber) mm / ft in 300 1'  R Ground clearance to superstructure mm / ft in 554 1' 10  S Front slew radius mm / ft in 2 002 6' 7"  T Front slew radius with maximum offset mm / ft in 1555 5' 1"  U Overall height cab mm / ft in 2 535 8' 4"  V Overall width of superstructure mm / ft in 1 340 4' 5"  X Tail slew radius mm / ft in 1 340 4' 5"  X Tail slew radius mm / ft in 1 550 5' 1"  Q Angle of approach " 34  Z Dozer blade width mm / ft in 1 550 5' 1"  Any Maximum boom swing angle to the left " 72  Maximum boom swing angle to the right mm / ft in 784 2' 7  Any Maximum boom swing angle to the right mm / ft in 784 2' 7	J	Track length	mm / ft in	1906	6' 3"	
M         Overall length         mm/ft in         3 876         12' 9"           M* Transport length         mm/ft in         4 525         14' 10           N         Overall height of engine hood         mm/ft in         1570         5' 2"           O         Minimum ground clearance         mm/ft in         290         11"           P         Dozer blade height         mm/ft in         312         1'           Q         Shoe width (rubber)         mm/ft in         300         1'           R         Ground clearance to superstructure         mm/ft in         554         1' 10           S         Front slew radius         mm/ft in         2 002         6' 7"           T         Front slew radius with maximum offset         mm/ft in         1 555         5' 1"           U         Overall height cab         mm/ft in         2 535         8' 4"           W         Overall width of superstructure         mm/ft in         1 340         4' 5"           X         Tail slew radius         mm/ft in         750         2' 6"           Y         Angle of approach         °         34           Z         Dozer blade width         mm/ft in         1 550         5' 1"	K	Dozer blade, maximum reach at ground level	mm / ft in	1 3 6 5	4' 6"	
M* Transport length         mm/ft in         4 525         14' 10           N Overall height of engine hood         mm/ft in         1 570         5' 2"           O Minimum ground clearance         mm/ft in         290         11"           P Dozer blade height         mm/ft in         312         1'           Q Shoe width (rubber)         mm/ft in         300         1'           R Ground clearance to superstructure         mm/ft in         554         1' 10           S Front slew radius         mm/ft in         2 002         6' 7"           T Front slew radius with maximum offset         mm/ft in         1 555         5' 1"           U Overall height cab         mm/ft in         2 535         8' 4"           W Overall width of superstructure         mm/ft in         1 340         4' 5"           X Tail slew radius         mm/ft in         750         2' 6"           Y Angle of approach         °         34           Z Dozer blade width         mm/ft in         1 550         5' 1"           α <sub>1</sub> Maximum boom swing angle to the left         °         72           β <sub>1</sub> Maximum boom swing angle to the right         °         56	L	Overall width with 300 mm / 12" rubber tracks	mm / ft in	1 550	5' 1"	
N Overall height of engine hood $mm/ft$ in $1570$ $5'2"$ O Minimum ground clearance $mm/ft$ in $290$ $11"$ P Dozer blade height $mm/ft$ in $312$ $1'$ Q Shoe width (rubber) $mm/ft$ in $300$ $1'$ R Ground clearance to superstructure $mm/ft$ in $554$ $1'10$ S Front slew radius $mm/ft$ in $2002$ $6'7"$ T Front slew radius with maximum offset $mm/ft$ in $1555$ $5'1"$ U Overall height cab $mm/ft$ in $2535$ $8'4"$ W Overall width of superstructure $mm/ft$ in $1340$ $4'5"$ X Tail slew radius $mm/ft$ in $750$ $2'6"$ Y Angle of approach $mm/ft$ in $1550$ $5'1"$ Q Dozer blade width $mm/ft$ in $1550$ $5'1"$ Maximum boom swing angle to the left $mm/ft$ in $mm/ft$	М	Overall length	mm / ft in	3 876	12' 9"	
O Minimum ground clearance       mm/ft in       290       11"         P Dozer blade height       mm/ft in       312       1'         Q Shoe width (rubber)       mm/ft in       300       1'         R Ground clearance to superstructure       mm/ft in       554       1' 10         S Front slew radius       mm/ft in       2 002       6' 7"         T Front slew radius with maximum offset       mm/ft in       1 555       5' 1"         U Overall height cab       mm/ft in       2 535       8' 4"         W Overall width of superstructure       mm/ft in       1 340       4' 5"         X Tail slew radius       mm/ft in       750       2' 6"         Y Angle of approach       °       34         Z Dozer blade width       mm/ft in       1 550       5' 1"         α <sub>1</sub> Maximum boom swing angle to the left       °       72         β <sub>1</sub> Maximum boom offset to the right       mm/ft in       784       2' 7         α <sub>2</sub> Maximum boom swing angle to the right       °       56	M*	Transport length	mm / ft in	4 525	14' 10	
P         Dozer blade height         mm/ft in         312         1'           Q         Shoe width (rubber)         mm/ft in         300         1'           R         Ground clearance to superstructure         mm/ft in         554         1' 10           S         Front slew radius         mm/ft in         2 002         6' 7"           T         Front slew radius with maximum offset         mm/ft in         1 555         5' 1"           U         Overall height cab         mm/ft in         2 535         8' 4"           W         Overall width of superstructure         mm/ft in         1 340         4' 5"           X         Tail slew radius         mm/ft in         750         2' 6"           Y         Angle of approach         °         34           Z         Dozer blade width         mm/ft in         1 550         5' 1"           α <sub>1</sub> Maximum boom swing angle to the left         °         72           β <sub>1</sub> Maximum boom swing angle to the right         °         56	Ν	Overall height of engine hood	mm / ft in	1 570	5' 2"	
Q Shoe width (rubber)       mm/ft in       300       1'         R Ground clearance to superstructure       mm/ft in       554       1' 10         S Front slew radius       mm/ft in       2 002       6' 7"         T Front slew radius with maximum offset       mm/ft in       1 555       5' 1"         U Overall height cab       mm/ft in       2 535       8' 4"         W Overall width of superstructure       mm/ft in       1 340       4' 5"         X Tail slew radius       mm/ft in       750       2' 6"         Y Angle of approach       °       34         Z Dozer blade width       mm/ft in       1 550       5' 1"         α <sub>1</sub> Maximum boom swing angle to the left       °       72         β <sub>1</sub> Maximum boom offset to the right       mm/ft in       784       2' 7         α <sub>2</sub> Maximum boom swing angle to the right       °       56	Ο	Minimum ground clearance	mm / ft in	290	11"	
R Ground clearance to superstructure $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	Р	Dozer blade height	mm / ft in	312	1'	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Q	Shoe width (rubber)	mm / ft in	300	1'	
T Front slew radius with maximum offset $mm/ft$ in $1555$ $5'1"$ U Overall height cab $mm/ft$ in $2535$ $8'4"$ W Overall width of superstructure $mm/ft$ in $1340$ $4'5"$ X Tail slew radius $mm/ft$ in $750$ $2'6"$ Y Angle of approach $\circ$ $34$ Z Dozer blade width $mm/ft$ in $1550$ $5'1"$ $\alpha_1$ Maximum boom swing angle to the left $\circ$ $72$ $\beta_1$ Maximum boom offset to the right $\circ$ $mm/ft$ in $784$ $2'7$ $\alpha_2$ Maximum boom swing angle to the right $\circ$ $56$	R	Ground clearance to superstructure	mm / ft in	554	1' 10	
U Overall height cab mm/ft in 2 535 8' 4"  W Overall width of superstructure mm/ft in 1 340 4' 5"  X Tail slew radius mm/ft in 750 2' 6"  Y Angle of approach ° 34  Z Dozer blade width mm/ft in 1 550 5' 1" $\alpha_1$ Maximum boom swing angle to the left ° 72 $\beta_1$ Maximum boom offset to the right mm/ft in 784 2' 7 $\alpha_2$ Maximum boom swing angle to the right ° 56	S	Front slew radius	mm / ft in	2 002	6' 7"	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Т	Front slew radius with maximum offset	mm / ft in	1 555	5' 1"	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	U	Overall height cab	mm / ft in	2 535	8' 4"	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W	Overall width of superstructure	mm / ft in	1340	4' 5"	
Z Dozer blade width mm / ft in 1550 5' 1" $\alpha_1$ Maximum boom swing angle to the left ° 72 $\beta_1$ Maximum boom offset to the right mm / ft in 784 2' 7 $\alpha_2$ Maximum boom swing angle to the right ° 56	Χ	Tail slew radius	mm / ft in	750	2' 6"	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Υ	Angle of approach	o		34	
$eta_1$ Maximum boom effset to the right mm / ft in 784 2' 7 $eta_2$ Maximum boom swing angle to the right ° 56	Z	Dozer blade width	mm / ft in	1 550	5' 1"	
α <sub>2</sub> Maximum boom swing angle to the right ° 56	$\alpha_{_1}$	Maximum boom swing angle to the left	o		72	
u <sub>2</sub> Maximum boom swing angle to the right	$\beta_1$	Maximum boom offset to the right	mm / ft in	784	2'7	
$\beta_2$ Maximum boom offset to the left mm / ft in 496 1' 8"	$\alpha_{2}$	Maximum boom swing angle to the right	0		56	
	$\beta_2$	Maximum boom offset to the left	mm / ft in	496	1' 8"	

## Equipment

#### STANDARD EQUIPMENT

#### Drivetrain

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

#### Electric / Electronic control system

Maintenance free 48V battery (3-rack) - fixed for anti-theft protection

On-board charger

Standard charger cable

Fast charger ready with weather protected socket

Maintenance free 12V auxiliary battery

High quality connectors

Protected battery cut-off switch

#### **Machine exterior**

Warning beacon, flashing LED

Protected LED worklight on the boom

Rear LED worklight

Two LED working lights on top front

Right and left rear-view mirror

High visibility orange entrance foot step and handle

#### Swina 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

300 mm / 12" rubber tracks

Sturdy removeable protecting covers for track motors and slew system.

400HB weld-on edge on dozer blade

#### STANDARD EQUIPMENT

#### 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

Accessory flow adjustment

Secondary relief valves for auxiliaries

Hammer / shear valve

Second accessory circuit

Flat face hydaulic quick couplings

Double acting circuit for hydraulic quick couplers

Mineral hydraulic oil VG46

Large tiltable oil cooler

Patented filtering and filling element

Double-acting hydraulic circuit for accessories

#### Cab

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

Certified TOPS (Tip-Over Protective Structure)

Certified ROPS (Roll-Over Protective Structure)

Fabric seat, lumbar adjustment, high backrest and retractable seat belt

High visibility 2" orange seatbelt

Seat-belt with warning indicator

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

Cup holder
Phone holder

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

In-cab 12V power socket

#### STANDARD EQUIPMENT

#### 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

50 hours greasing intervals

Long arm 1 350 mm / 4' 5"

#### 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

3 working modes: Standard, ECO and Boost

Several warning messages, coupled to needed action, in the event of malfunction

Volvo Telematic System

#### Machine control system

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

Electric motor 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 is switched 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 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 2002/44/EC  $\,$ 

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

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.

