



E25.4

Powerful & efficient

**POWERED
BY LIMACH**

We are Limach!

Limach started developing electric excavators back in 2017. There was initial skepticism in the market about the feasibility of electric excavators, but Limach's drive to improve pushed us forward.

Better for all of us. At Limach, we believe in sustainable technology that we apply smartly and creatively to existing concepts. From day one, Limach chose to work with the quality of Volvo machines, producing a first-class product fueled by Limach's ambition and creativity. It's no wonder our slogan is: **Powered by Limach!**

At Limach, we think carefully about our concepts. Unbound by existing ideas, our engineers develop the best and most accessible solutions. Since our machines weigh 6 tons and above, we've introduced a battery exchange system. All mini excavators are available with various battery packs tailored to your specific tasks.





Member of the Volvo Group



FULL ELECTRIC

Since 2022, Volvo Construction Equipment has held a majority stake in Limach. This partnership has injected new energy into the collaboration between the two manufacturers, with a focus on efficiency and sustainability. Volvo builds the base machine without any diesel components, and the machine is delivered as a semi-finished product to the Limach factory, where it is fully converted to electric. This process eliminates unnecessary time and material waste. A jointly developed concept is now available for you, built on a Volvo foundation and Powered by Limach!



Battery pack

Limach offers flexibility, reliability, and above all, the freedom to organize your workday in a way that suits you. With the 30kWh battery pack, you can work uninterrupted all day long.





Safety & quality

Naturally, we pay great attention to the safety of our electric machines. A major benefit of Limach machines is that we use a low-voltage system, ensuring safety for both you and us.

Limach is committed to quality, ensuring minimal downtime for your machine. We only use standardized components and follow the latest regulations. During regular maintenance, we inspect vital mechanical and electrical parts of your machines.

The E25.4 in detail

This market leader delivers performance equal to that of diesel machines, but with the benefits of electric drive. The E25.4 is also prepared for future hydrogen technology, contributing to a sustainable future.



Features and benefits

CCS2 charging port for fast charging up to 40 kW

The machine offers an excellent balance between operating and charging time, so you can get back to work quickly.

Flexible charging options

Charge via a standard 230V socket, three-phase power, charging station, charging container, or mobile battery pack—depending on your working environment.

Air conditioning and overpressure system

Ensures a comfortable and clean working environment, even under tough conditions.

Water-cooled electric motor

Delivers reliable performance, even in high outdoor temperatures and during demanding tasks.

Compatible with attachments

Thanks to ample power, extended battery capacity, and an efficient cooling system, using attachments such as a hydraulic breaker, tiltrotator, or sorting grab is no problem at all.

Reinforced boom construction

The E25.4 features a reinforced boom design for optimal strength under heavy-duty conditions.

No more CO₂ emissions

Clean, quiet, and usable everywhere. Fully emissionfree, higher efficiency from the electric motor, and a low noise level. Usable for demolition and renovation work in buildings, urban areas with environmental zones, nighttime repairs, and more. Limach offers endless possibilities.

Charge anywhere with CCS2 connection

Thanks to the standard CCS2 connection, you can easily charge the machine at almost any charging point. This makes on-site or on-the-go charging extremely flexible.



Battery capacity: 40 kWh

With a capacity of 40 kWh, the machine can operate for extended periods without the need for intermediate charging. This makes it suitable for a wide range of construction projects without energy interruptions.

High-voltage technology (340V nominal)

This technology ensures a powerful and stable energy supply, delivering optimal performance. It also contributes to a longer battery lifespan.



Flexible charging with Vehicle-to- Load (V2L)

The Vehicle-to-Load (V2L) feature allows you to power other electric tools as well. This way, you always have energy available for additional equipment on the construction site.

Up to 6.5 hours of operating time

With a maximum operating time of 6.5 hours, you can work a full day without needing to recharge. This increases productivity and reduces downtime.

Service

The Limach service network consists of specialists with years of experience in earthmoving equipment. Your local dealer or distributor has the expertise to maintain and repair your machine when needed. The Limach team supports your local service partner with specialist knowledge if necessary, ensuring you receive the right service on-site.





connect & support

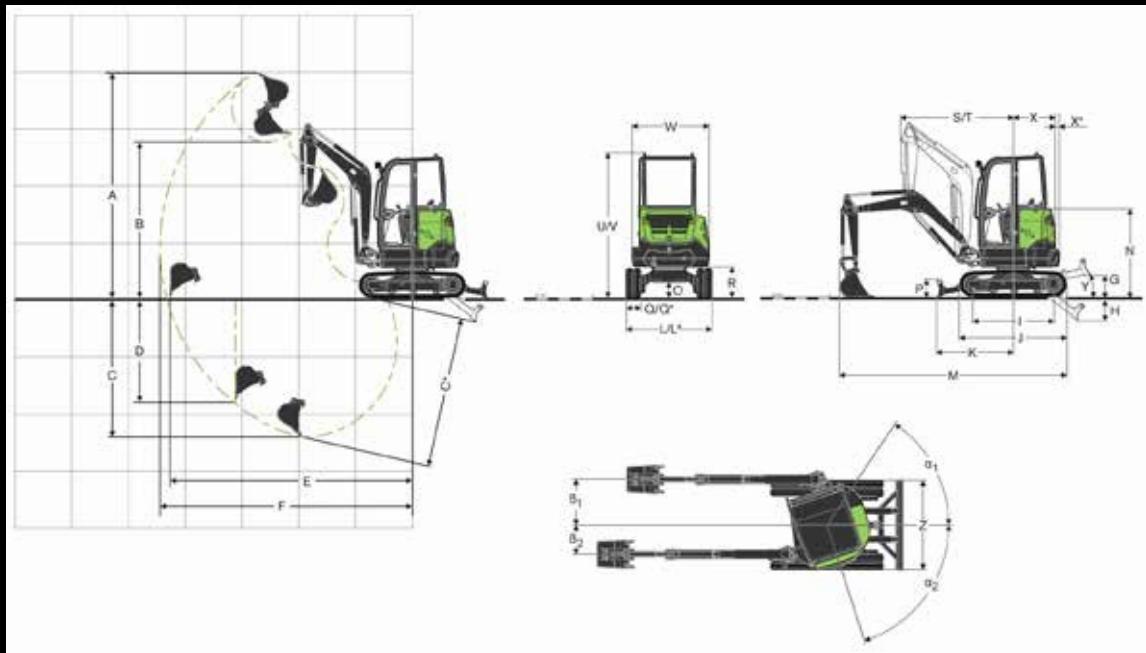
Limach is always connected to your machine. Although the electric mini excavator has far fewer moving parts, you want to be sure your machine is up and running. With Limach Connect & Support, your machine is monitored by Limach specialists. If something happens that could lead to a breakdown, Limach proactively contacts you to discuss and decide on the actions needed to avoid downtime.

Specifications

Dimensions E25.4

Electric system			Digging performance		
Battery type		Lithium-ion	Bucket breakout force (ISO)	kN	22,33
Battery voltage	V	336	Short arm breakout force	kN	17,76
Battery capacity	kWh	40	Long arm breakout force	kN	14,97
Auxiliary battery voltage	V	12			
Indicative operating time	uren	tot 6			
Charging time			Hydraulic system		
With 230V AC	uren	tot 12	Max. pump output	l/min	58
With 400V AC 1 phase	uren	tot 6	Max. flow for attachments	l/min	50
With 40 kW DC	uren	tot 1	Max. flow for 2nd circuit	l/min	23
			Max. working pressure	MPa	25
Electric motor			Weight and ground pressure		
Motor type		Permanent magnet	Operating weight according to ISO	kg	2875
Motor power (peak)	kW	31	Ground pressure (cab)	kPa	29,9
Motor power (continuous)	kW	22	Transport weight	kg	2800
Speed max. / standard	r/min	2.200	With rubber tracks	mm	300
Speed max. / boost	r/min	2.400	With long arm	mm	1.350
Swing system			With canopy	-kg	90
Max. swing speed	r/min	9,4	With short boom (1,050)	-kg	12
Max. swing torque	daNm	485			
Travel system			Service refill		
Max. traction force	daN	1.984	Hydraulic system, total	l	29,5
Max. travel speed low	km/u	2,4	Hydraulic tank	l	21,5
Max. travel speed high	km/u	4,5			
Undercarriage			Undercarriage		
			Lower/upper rollers per side		3/1
			Track tension		With grease tensioner
			Dozer blade (width x height)	mm	1.550 x 312





Dimension

Dipper arm	mm	1.050	1.350
A Maximum cutting height	mm	4.010	4.183
B Maximum dumping height	mm	2.784	2.957
C Digging depth	mm	2.461	2.761
C* Maximum digging depth	mm	2.672	2.965
D Maximum digging depth vertical wall	mm	1.832	2.119
E Maximum digging reach at ground level	mm	4.313	4.602
F Maximum digging reach	mm	4.484	4.768
G Highest position dozer blade	mm	401	401
H Lowest position dozer blade	mm	422	422
I Track length center to center	mm	1.440	1.440
J Total track length	mm	1.906	1.906
K Dozer blade, maximum reach at ground level	mm	1.364	1.364
L Total width with 250 mm track	mm	1.500	1.500
L* Total width with 300 mm track	mm	1.550	1.550
M Total length	mm	3.924	4.045
N Total height of engine hood	mm	1.564	1.564
O Minimum ground clearance	mm	290	290
P Dozer blade height	mm	317	317
Q Track width	mm	250	250
Q* Track width	mm	250	250
R Ground clearance to upper structure	mm	868	868
S Swing radius front	mm	2.002	2.002
T Swing radius front with maximum offset	mm	1.555	1.555
U Total height (hood)	mm	2.505	2.505
V Total height (cab)	mm	2.537	2.537
W Total width upper structure	mm	1.340	1.340
X Swing radius rear	mm	750	825
X* Overhang extra counterweight	mm	75	(incl.)
Y Max. dozer blade lift angle	°	31	31
Z Dozer blade width	mm	1.550	1.550
α ¹ Maximum swing angle to the right	°	56	56
β ² Maximum boom offset to the left	mm	496	496
α ² Maximum swing angle to the left	°	72	72
β ¹ Maximum boom offset to the right	mm	784	784



Curious about this and other machines in our range?

Visit our website or contact us!

ADRES

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