



EW60.1

Mobile & Flexible

**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.





 **LIMACH®**

FULL ELECTRIC

E18.3

acks

Member of the Volvo Group



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

The Limach EW60.1 is equipped with a powerful 90 kWh battery pack, providing hours of uninterrupted operation. Thanks to the smart swap system, you can easily exchange the battery pack to keep working without interruption. With a transport weight of approximately 1,000 kg, the battery pack is easy to move and highly flexible in use. It can be charged via a mains connection, charging container, or public charging station, ensuring you're always ready for the next job.





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 EW60.1 in detail

The Limach EW60.1 combines powerful electric performance with the flexibility of a mobile wheeled excavator. Thanks to the 90 kWh battery pack, you can work for hours uninterrupted, while the smart swap system enables a quick battery exchange to keep you productive. The EW60.1 offers efficient operation, flexible charging options, and maximum mobility, making it ideal for a wide range of work environments.



Features and benefits

CO₂-neutral operation

Charge using renewable energy sources and work completely CO₂-neutral on-site.

Low operating costs

Thanks to the electric motor and efficient battery packs, you save on both maintenance and running costs.

Advanced hydraulic system

Perfectly matched to the electric motor for fast, smooth, and efficient performance.

Stable and reliable

Robust construction and optimal weight distribution ensure stability and safe operation, even on challenging terrain.

Maximum mobility and flexibility

Thanks to the wheeled drive, you can move the EW60.1 quickly and easily over various surfaces without the need for transport equipment or causing track damage to pavements.

Powerful climate control

With seven ventilation outlets for rapid heating or cooling, the system boosts operator comfort and productivity.

Easy battery swap

Thanks to the integrated swap system, operators can easily replace a depleted battery without additional equipment or extra costs.

Work while charging

Continue working while the next battery pack charges—no need for high-power fast charging on-site.

Smart and flexible charging

Avoid peak loads and charge at the most cost-effective times. Choose the charging method that best suits your worksite: mains connection, charging container, or public charging station.

No more CO2 emissions

Clean, quiet, and usable everywhere. Fully emission-free, 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.

Hydraulic system

The proven Volvo hydraulic system combined with Limach's electrical engineering ensures efficiency and working comfort. The rear-positioned lift cylinder reduces the risk of damage and downtime.



Superior operating environment

The ergonomic, spacious, and safe cabin is characterized by excellent all-around visibility, intuitive controls, and comfort.

Low maintenance costs

With no need to change oil, filters, or other parts related to the diesel engine, maintenance costs are reduced.



Chargeable everywhere

Can be charged via a standard 230 V socket and 400 V three-phase power. The machine can also be charged at a public charging station.

Undercarriage

Thanks to the wheeled drive, the EW60.1 can be quickly and easily moved across different surfaces without the need for transport equipment or causing track damage to pavements.

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.



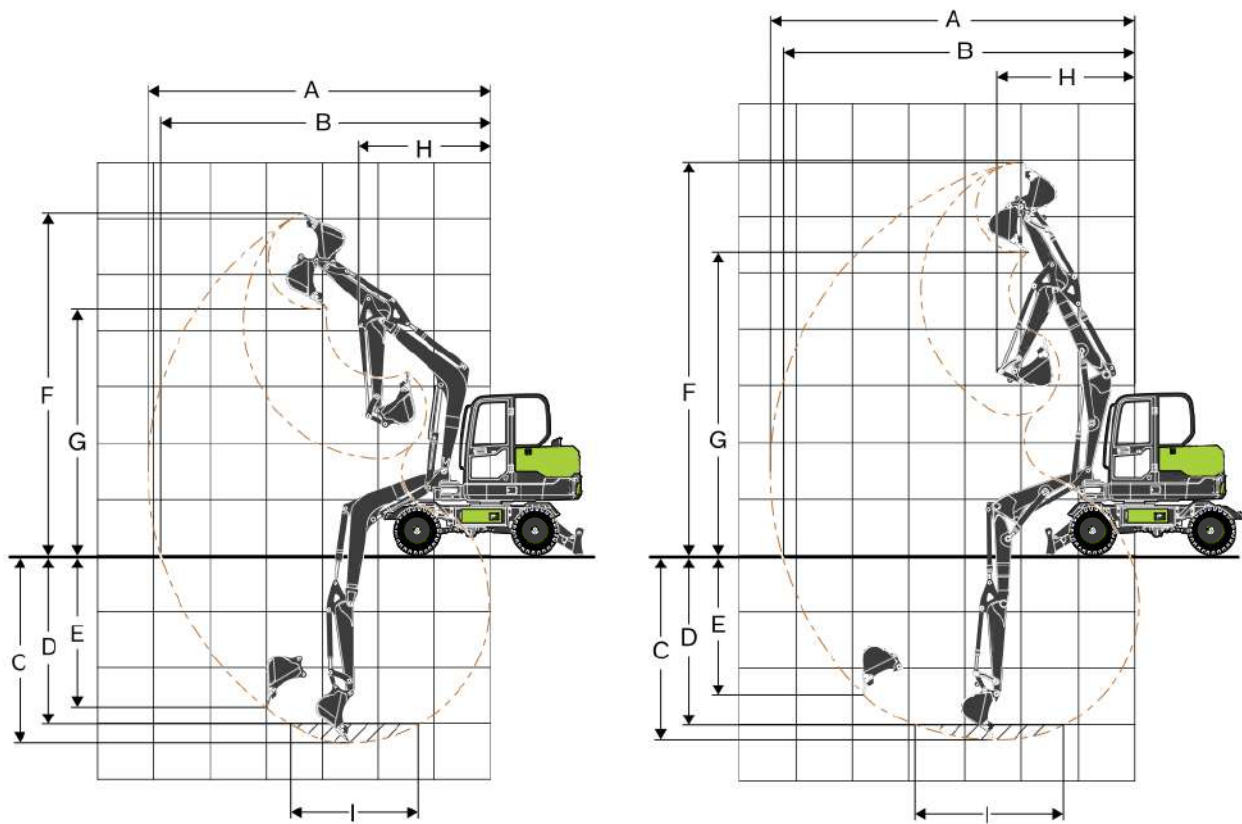


Connect & support

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

Afmetingen EW60.1



Working range

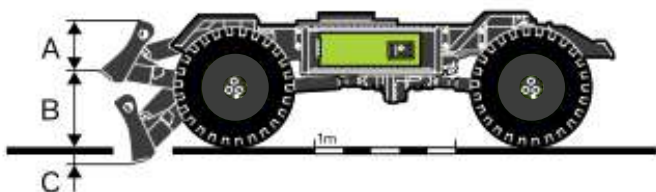
Boom		m	2.9		3.24	
Arm		m	1.6	1.9	1.6	2.9
A	Maximum digging reach	mm	6.024	6.313	6.432	6.729
B	Maximum digging reach at ground level	mm	5.810	6.111	6.239	6.546
C	Maximum digging depth	mm	3.292	3.592	3.304	3.603
D	Maximum digging depth (l=2440mm level)	mm	2.905	3.188	3.119	3.432
E	Maximum digging depth for vertical wall	mm	2.368	2.642	2.786	3.028
F	Maximum cutting height	mm	6.007	6.210	6.924	7.201
G	Maximum dumping height	mm	4.443	4.647	5.320	5.597
H	Minimum front swing radius	mm	2.350	2.367	2.423	2.550

Breakout force with directly mounted bucket

Bucket breakout force	SAE J1179	kN	37,7	37,7
	ISO 6015	kN	43,3	43,3
Arm breakout force	SAE J1179	kN	28,2	25,0
	ISO 6015	kN	28,8	25,4

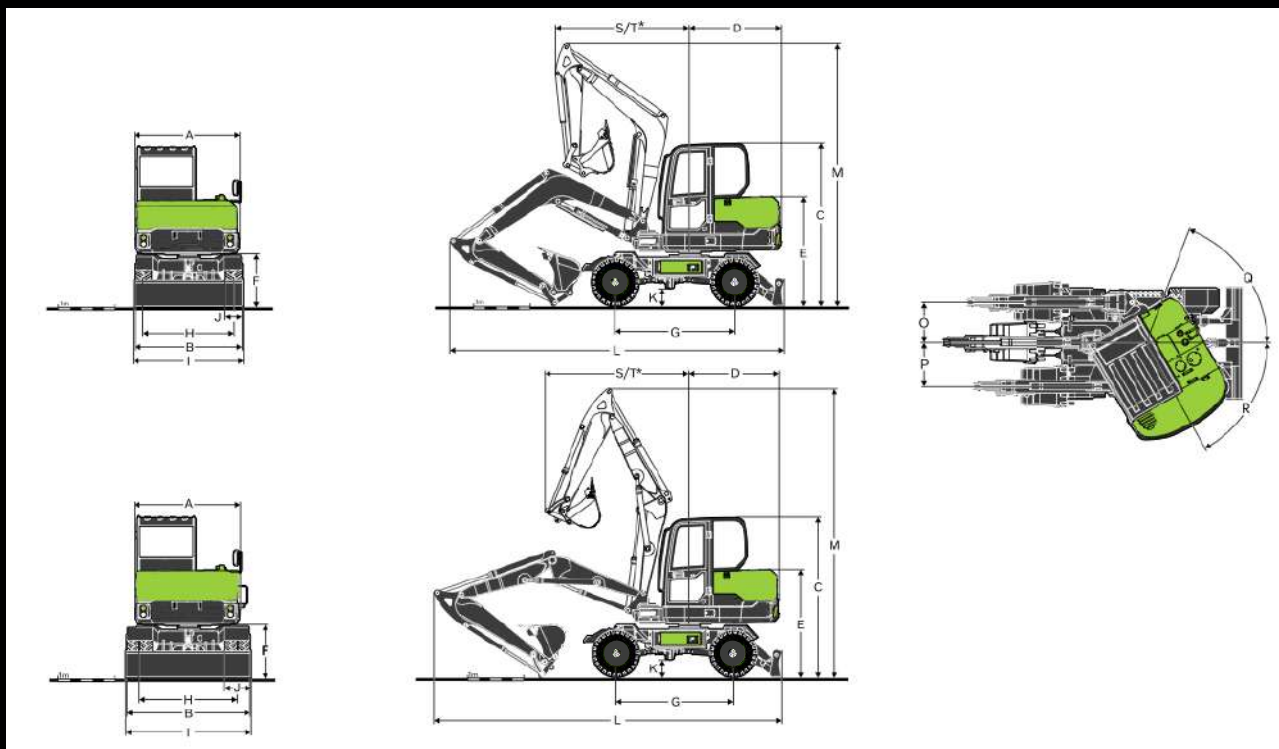
Dozer blade

			Standard	Wider
A	Height	mm	465	465
	Width	mm	1.930	2.200
B	Lift height	mm	440	440
C	Digging depth	mm	140	140



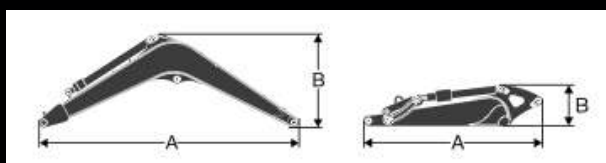






Dimensions

Boom		m	2.9		3.24	
Arm		m	1.6	1.9	1.6	1.9
A	Total width with superstructure	mm	1.845	1.845	1.845	1.845
B	Undercarriage width with standard tires	mm	1.930	1.930	2.200	2.200
C	Overall height with cab	mm	2.855	2.855	2.833	2.833
D	Rear swing radius	mm	1.650	1.650	1.675	1.675
E	Overall engine hood height	mm	1.901	1.901	1.887	1.887
F	Ground clearance to upperstructure	mm	960	960	940	940
G	Wheelbase (center to center)	mm	2.100	2.100	2.100	2.100
H	Track gauge	mm	1.595	1.595	1.714	1.714
I	Dozer blade width	mm	1.930	1.930	2.200	2.200
J	Tire width (standard version)	mm	305	305	452	452
K	Minimum ground clearance	mm	295	295	276	276
L	Overall length	mm	5.869	5.895	6.203	6.220
M	Overall boom height	mm	4.599	4.600	5.150	5.150
S	Front swing radius	mm	2.352	2.368	2.423	2.571
T*	Front swing radius (max. offset)	mm	1.386	1.386	1.957	1.957
O	Maximum boom offset	mm	756	756	756	756
P	Maximum boom offset	mm	863	863	863	863
Q	Maximum boom swing angle (R)	gr	80		80	
R	Maximum boom swing angle (L)	gr	50		50	



Boom and Arm

Boom Including cylinder, hoses, and pin		m	Boom		Arm	
Arm Including cylinder, hoses, and pin		m	2.9	3.24	1.6	1.9
A	Length	mm	3.008	3.362	2.102	2.402
B	Height	mm	1.169	865	488	497
	Width	mm	336	532	300	300
	Weight	kg	352,4	489	206	181

Specifications

Details EW60.1

Electric system		
Battery type		Lithium-ion
Battery voltage	V	104
Battery capacity (per pack)	kWh	90
Internal battery	kWh	10
Auxiliary battery voltage	V	12
Runtime	uur	tot 4
Charging time		
With 400V AC	uur	tot 9
Electric motor		
Motor type		Permanent magneet
Motor power (peak)	kW	85
Motor power (continuous)	kW	45
Operating mode max./standard	r/min	3.000
Operating mode max./boost	r/min	3.300
Swing system		
Max. swing speed	r/min	10
Max. swing torque	kNm	11,6
Travel system		
Max. tractive force	kN	29
Max. travel speed (low)	km/h	10
Max. travel speed (high)	km/h	22,5
Hydraulic system		
Max. flow rate (main pump)	l/min	2x60
Max. flow rate (gear pump)	l/min	1x21,4
Max. flow rate (swing + steering pump)	l/min	1x38,9
Fluid capacities		
Hydraulic system, total	l	120
Hydraulic tank	l	76
Undercarriage		
Tire		12.00 - 16,5 12 PR
Travel system		
Drive force (net)	kN	29
Travel speed, creep mode	km/u	10
Max. travel speed (high)	km/u	22,5
Total machine weight		
With 2.9 m boom, 1.6 m arm	kg	7000







Curious about this and other machines in our range?
Visit our website or get in touch with us!

ADRES

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