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# Electric truck mixers

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0% emissions - 100% performance

# LIEBHERR

ETM series



Time to turn green!





# Highlights

## **Free of local emissions**

The environmentally friendly solution for urban use. Thanks to the electric drum drive, loading and unloading at the construction site is carried out with the ETM free of exhaust emissions. With the Liebherr ETM series, you are ideally equipped for the future.

## **Significant reduction in the fuel consumption and noise level**

Environmentally friendly concrete transport with up to 30 percent fuel savings in the hybrid version. Also available as a fully electric truck mixer. A further advantage is the low noise emissions, especially in urban areas.

## **No emissions, no compromises**

The new ETM range was tested comprehensively and under extreme conditions. All types of concrete (F1-F6) can be mixed and transported. The electrical drum drive was even impressive with very thick concrete consistencies such as F1 or F2. In difficult winter operation, the system was able to prove full performance at all times thanks to the optimised thermal management for the batteries.

## **Full flexibility**

Can be combined with all drive types (trucks with a diesel, gas, hybrid or electric drive).

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# ETM Series

## Ease of use

The innovative user touch screen enables the driver to have full control of the drive system at all times. The display provides all important information at a glance and impresses with its clear and modern graphics. For example, it displays the remaining battery life or the energy flow between the generator, battery and mixing drum drive. Menu navigation adjustable in different languages. Menu navigation adjustable in different languages.

## Electric drive

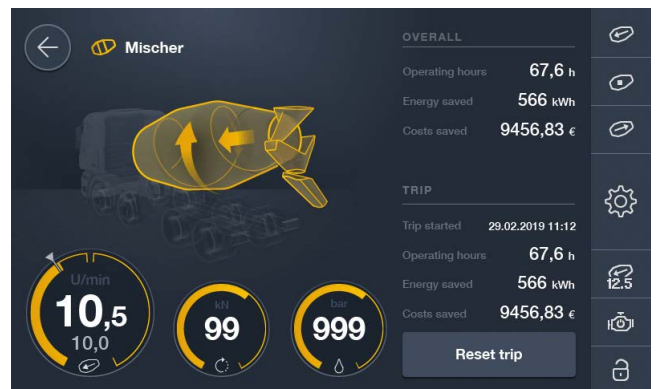
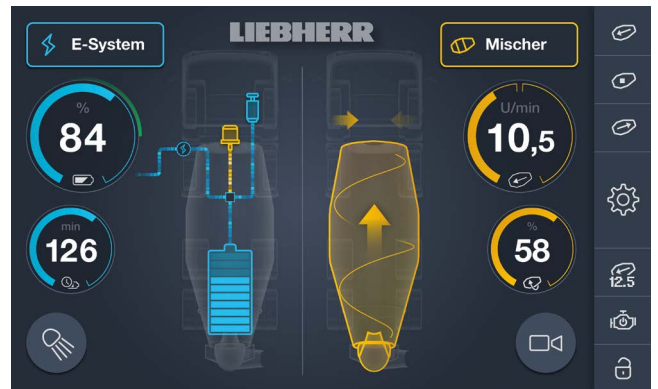
Our truck mixers with electric drum drive offer full performance and availability. The newly developed combination of an electric motor and a mixer gearbox offer a peak power of 120 kW, which can power drum sizes up to 12 m<sup>3</sup>.

## External charging

If necessary, the battery can also be charged in less than an hour using a 22 kW charger. This requires a conventional 400V / 32 A power connection type 2. However, this is only necessary in exceptional cases due to the built-in generator, which usually charges the battery sufficiently while driving.

## Additional display at the rear

All important operating data, such as the battery charge level, is also clear to read at the rear of the truck.



External charging



Additional display at the rear

# Technical data



ETM 705 on electric chassis



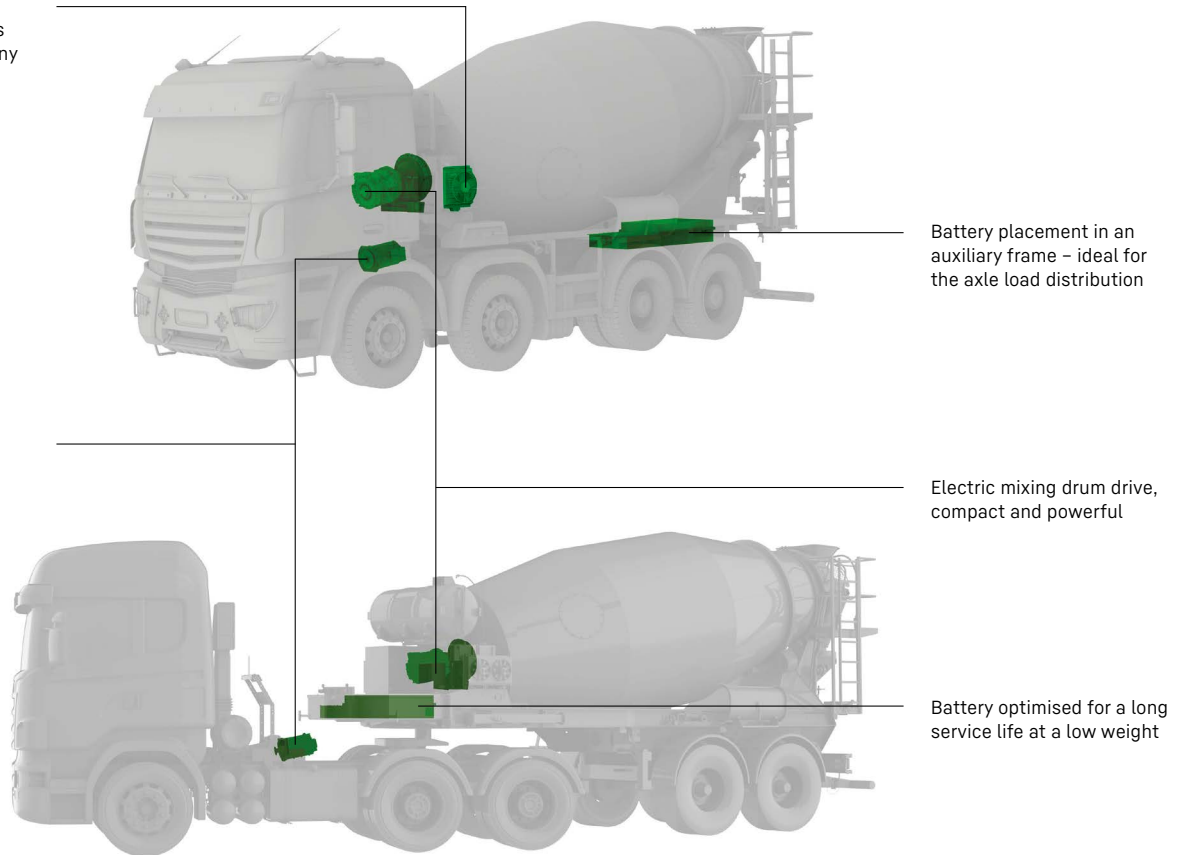
ETM 1005 on electric chassis



# ETM Series

Effective thermal management ensures top performance in any weather condition

Generator with a booster function charges the battery whilst driving



Battery placement in an auxiliary frame – ideal for the axle load distribution

Electric mixing drum drive, compact and powerful

Battery optimised for a long service life at a low weight

Type	ETM 705	ETM 805	ETM 905	ETM 1005	ETM 1205	ETM 1004 T
Nominal filling <sup>1</sup>	7 m <sup>3</sup>	8 m <sup>3</sup>	9 m <sup>3</sup>	10 m <sup>3</sup>	12 m <sup>3</sup>	10 m <sup>3</sup>
Water capacity <sup>2</sup>	8.4 m <sup>3</sup>	9.3 m <sup>3</sup>	10.5 m <sup>3</sup>	11.3 m <sup>3</sup>	13.3 m <sup>3</sup>	11.05 m <sup>3</sup>
Geometric drum capacity	13.2 m <sup>3</sup>	14.8 m <sup>3</sup>	16.0 m <sup>3</sup>	17.2 m <sup>3</sup>	20.4 m <sup>3</sup>	17.64 m <sup>3</sup>
Mixer assembly weight <sup>3</sup>	3,910 kg	4,050 kg	4,135 kg	4,310 kg	4,845 kg	7,830 kg
Drive power	125 kW peak power / 60 kW continuous power					
Battery capacity	32 kWh					
Operating voltage	650 Volt DC					

<sup>1</sup> Nominal filling in compacted mixed concrete.

<sup>2</sup> Measured in accordance with DIN 459-1 at min. 2 drum rotations per minute. The given values for capacity and water volume only apply to a horizontally aligned mixer frame. A deflection of the frame during loading is not taken into account here and may negatively affect the water volume under certain circumstances. The real maximum filling capacity with concrete depends on the consistency and the rheological characteristics of the concrete. The topology of the road and the driveability also influence the maximum loading volume.

<sup>3</sup> Weight specification for a "Lightweight" mixer assembly (for an ETM 1004 T incl. trailer), incl. batteries, incl. 2 extension chutes, completely assembled/ready for operation, deviations +/- 5%.

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Truck mixer



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