

# **Greater benefits from top technology: The truck mixers.**



# **LIEBHERR**

## **Economical concrete transport**

In the premixed concrete industry, truck mixers have to be loaded, driven from place to place and discharged, all with no loss of time. Even if larger quantities of concrete or unusual consistencies are handled, the situation is no different. For economical results, low running cost and easy operation are essential.



HTM 604 S



## Unique mounting for better stability

Liebherr truck mixers have exceptionally low rates of wear. All components are easily accessible and designed to make maintenance as simple as possible. Smooth surfaces and covers keep contamination with dirt to a minimum. Liebherr's unique mounting which is carried out at our factory in a precise manner by our German Engineers, eliminates the additional channel member providing better stability and reduces the chances of accidents.

## Options

A big range of options matches your truck mixer precisely to every operating requirement.

## Various capacities and versions

Liebherr truck mixers are supplied in a large number of different sizes and versions with volumes ranging from 6 m<sup>3</sup> / 7 m<sup>3</sup> / 8 m<sup>3</sup> / 10 m<sup>3</sup> upto 15 cubic meters. They are mounted on almost all well-known Indian make truck chassis or can be mounted on semi-trailers.

## Safety First

Liebherr machines are designed in such a way that safety is the priority without compromising on its quality. The low Centre of Gravity ensures safe driving on all terrains which is again possible with our unique mounting.





HTM 1004



HTM 704 S

#### Maximum benefit in day-to-day use

The wide, strong steps and large platform comply with industrial accident prevention regulations and provide safe access to the mouth of the drum. Thanks to its single support arm, the discharge chute can be swung away completely for cleaning or maintenance. Even large concrete skips can be filled directly beneath the drum outlet.

#### Troublefree operation

Reliable drive components and drum bearings of enclosed pattern made from fine grain steel are guarantees of reliable operation. The shape and size of the inlet and discharge hoppers have been chosen for rapid, low-friction material flow.



# Economical concrete transport

Delivery concrete economically means fast loading, rapid road travel and no loss of time when discharging it on site. Liebherr truck mixers are designed for maximum user benefit in all these areas. Their drum geometry permits rapid acceptance and discharge of the concrete, optimal mixing action and maximum load capacity. The mixer frame is made from the same grade of steel as the truck chassis; forces are transmitted uniformly by the mounting brackets and the complete vehicle and its superstructure are rated for long, trouble free life. The low center of gravity is the key to good road dynamics. All controls are laid out for maximum user convenience.



HTM 604 S

## Simple to control

The truck mixer is easy and convenient to operate. Various forms of electrical drum control are available as optional extras, for example with constant-speed drive. A truck control unit with start/stop device is also an available option.

# Unique mounting for better stability

Mixer drum, hoppers and chutes are of course exposed to severe rates of wear. In view of this, Liebherr builds its own mixer drums in house, to the very highest quality standards, using special grades of steel with high resistance to wear having a carbon content of 0.37%. Metal gauges are carefully matched to the wear pattern in order to avoid unnecessary weight. The spiral blades in the drum are continuously welded and also protected against wear over the entire surfaces. The hoppers and chutes are also equipped with wear-protection plates.



High wear resistant steel (Carbon content 0.37%) with wear protection on the spirals – for a longer service life.



HTM 604 S

Designed for easy servicing and cleaning. Two sections of mudguards for easy replacement.



HTM 604 S

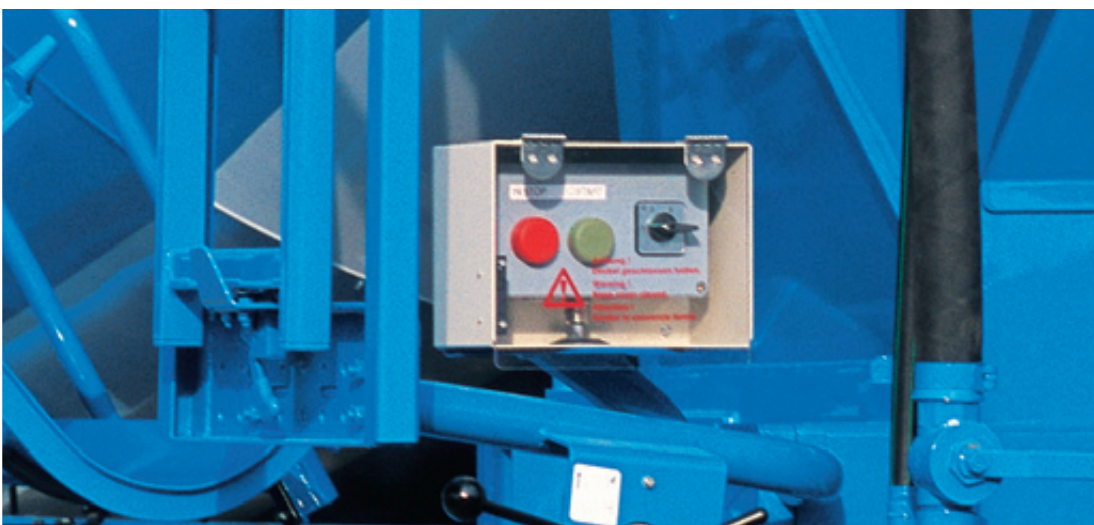
The low center of gravity for a good road dynamic which is again due to our unique mounting.



HTM 604 S

More safety while driving due to anti-clockwise rotation in our country with right hand drive, makes the material move away, thereby counter balancing and increasing the safety.





### Simple Cleaning

Smooth surfaces and a swing-away discharge chute make daily cleaning very much easier. To prevent dirt and other deposits from collecting, the following options are available: a second drip ring on the mixer drum and covers for the rear drum bearing mount, the chassis frame and the space between mudguards and frame.



Smooth and problem-free material flow.

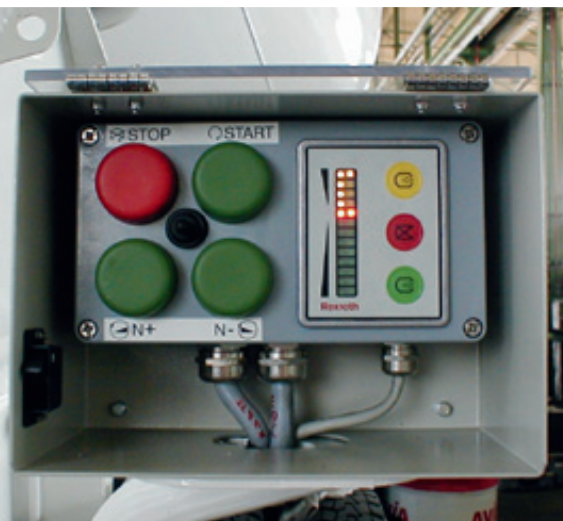


Wear protection in the pivoting discharge chute.



Wear protection in the inlet hopper.

# Options



## Drum control (Rexroth System)

Electric drum control permits continuous variation of drum speed in both directions as constant-speed drive regardless of diesel engine speed. Start/stop functions and control from driver's cab are also available.



## Work-area light

When discharging in the dark, this optional work-area light is an important item of equipment.



## PTO Coupling

Drum can be driven directly from the main engine by using PTO- drive.



## Folding chute

The folding chute with safety hoop is an easy means of lengthening the pivoting chute; it is supplied in either steel or plastic.



## Water meter

When water is added, the amount can be determined and monitored with the aid of the water meter.



## Plastic extension chutes

These plastic extension chutes are made of plastic and therefore 50% lighter, making them easier to handle.





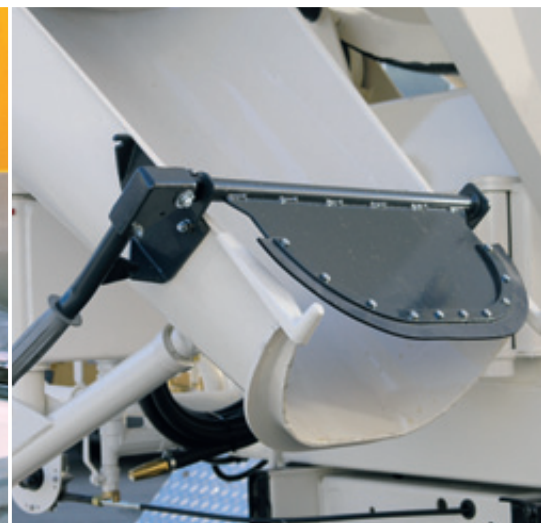
#### **Non-pressurised tank for liquid additives**

This optional device feeds liquid additives by gravity into the mixer drum.



#### **Chassis frame cover**

A further possibility of reducing the effect of unwanted deposits and dirt is this plastic chassis frame cover.



#### **The chute flap**

The chute flap has a highly wear-resistant plastic sealing lip to prevent material from escaping after closure and unwanted deposits.



#### **Reducing chute**

While discharging fluid concrete, a discharging chute equipped with a pipe can be implemented.



#### **Water shut-off tap**

To prevent the water line from freezing in colder weather conditions, a water shut-off tap can be mounted underneath the water tank.



#### **Step on the underrun guard**

For safe standing on the underrun guard, a slip-resistant step can be fitted.

# Various capacities & versions



HTM 604 S

**Slave Engine Version:  
HTM 604 S / HTM 704 S**

**Power Take-Off (PTO)  
Version:  
HTM 804 / HTM 1004**



HTM 1004



HTM 1004 ZA

**Semi- Trailer Version:  
HTM 1204 ZA / HTM 1004 ZA  
Slave Engine or Power Take-  
Off (PTO)**



# Safety First



HTM 704 S

## Safe driving

The low centre of gravity due to unique mounting improves stability during driving, both on road and off-road. The wide-set rollers ensure optimum support of the drum, especially when driving off-road.

## Safe handling

A generously-dimensioned ladder with spacious access platform, designed in compliance with the respective statutory guidelines, is tremendously beneficial for the operator during daily operation.

## Safety during maintenance

For inspection, the drum can be fixed securely with an interlocking drum safety device.



HTM 804 S

Smooth surface and fewer edges to ensure safety while operation and cleaning.



A foldable Ladder with spacious access platform allowing work to be carried out safely on the vehicle's rear upper section.



The wide-set rollers ensure optimum support of the drum. It is possible to fix the drum securely with an integrated interlocking drum safety device before commencing maintenance and inspection work.

# Liebherr hydraulic truck mixers in figures:



Type	Nominal content in m <sup>3</sup> (set vol. of concrete)	Water volume in m <sup>3</sup>	Geometric drum capacity in m <sup>3</sup>	Headroom needed excl. frame (mm)*	Filling height excl. frame (mm)*	Mixer weight	
						Sep. engine (kg)	Drive from truck engine (kg)
HTM 604	6 (7)	6,78	11,0	2404	2383	3840	3340
HTM 704	7 (8)	7,6	12,34	2412	2408	4100	3520
HTM 804	8 (9)	9,1	14,29	2477	2437	4660	4080
HTM 1004	10 (11)	11,05	17,64	2588	2498	5050	4440



Semitrailer*	Nominal content in m <sup>3</sup> (set vol. of concrete)	Water volume in m <sup>3</sup>	Geometric drum capacity in m <sup>3</sup>	Mixer weight including semitrailer	
				Sep. engine (kg)	Drive from truck engine (kg)
HTM 1004 ZA	10	11	17,6	7290	8190
HTM 1204 ZA	12	12,9	20,7	7820	8720

\* Frame height depends on chassis: between 100 and 1800 mm.



HTM 1004

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