

Jobreport

Flexible semi-trailer with conveyor belt



LIEBHERR



Situation

Unicon A/S is Denmark's largest producer and supplier of ready-mix concrete. More than 35 local concrete plants and over 350 employees ensure a smooth delivery chain. Unicon's history goes back to 1926. Today, Unicon is part of Cementir Holding with a global annual turnover of 1.2 billion euros.

Jørn Glad A/S is the exclusive distributor of Liebherr Concrete Technology products in Denmark, Sweden and Norway since 1982. In addition to the sale of truck mixers, concrete pumps and mixing plants, Glad also offers extensive after-sales services and the distribution of spare parts. The head office is located in Trige near Aarhus/Denmark. There are also other subsidiaries in Copenhagen, Moss/Norway as well as Örebro/Sweden.

Task

In order to make concrete transport even more economical and flexible within the framework of legal requirements, the concrete experts from Unicon clearly requested a large-volume mixing drum with maximum possible water capacity in combination with a telescopic conveyor belt. Even on narrow construction sites, the manoeuvrability was to be in no way inferior to that of a fixed body.

Solution

The HTM 1205 T LTB is exactly designed to meet Unicon's requirements for use in Denmark. The 12 m³ drum has been specially redesigned and, with a water volume of 12.9 m³, offers sufficient reserves even when transporting high fluid concrete types. At the same time, the design of the drum is specially tailored to local regulations regarding permissible axle loads. In combination with the increased payload, more concrete can thus be loaded and transported per tour, which benefits the economic efficiency of the unit.

Liebherr's first combination of a semi-trailer with the LTB telescopic conveyor belt also makes it possible to adapt the truck mixer flexibly to the working environment. In normal everyday use, the coupled conveyor belt enables the spreading of concrete or bulk material over a length of up to 16 metres. If the maximum payload is required for large concreting, the conveyor belt can be uncoupled in a short time, further reducing the empty weight.

Machine drivers particularly appreciate the electronically steered rear axle of the trailer. This enables a turning circle on the level of a fixed body truck, which can also be used on construction sites in the narrow lanes of Copenhagen's old town. In addition, the steering axle can be controlled directly from the operator's cabin by using a remote control, making reverse manoeuvring much easier.

Technical data	HTM 1205 T / LTB 12+4
Nominal filling	12 m ³
Water capacity	12,9 m ³
Geometric drum capacity	20,3 m ³
Radius conveyor	15,2 m
Output conveyor	70 m ³ /h

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