**Equipment and performance data at a glance**

- **Service weight** ▶ 73.5 tonnes
- **Motor** ▶ The MHL885 D is powered by a highly efficient electric drive unit, enabling **enormous energy savings**. The main drive delivers 250 kW, while the total machine rating is 280 kW.
- **Cab** ▶ The operator cab features **continuous hydraulic elevation**. It is compliant with all the latest safety regulations and is fitted with armour plate glass, guaranteeing maximum protection for the operator.
- **Projection** ▶ The cranked box boom offers a maximum length of 22 m.
- **Operating radius** ▶ Enormous operating diameter of up to 44 m.
- **Undercarriage** ▶ The large stabiliser plates ensure maximum stability, even at the furthest point of projection. The MHL390 undercarriage is deployed here.
- **Attachments** ▶ Clamshell grab with a volume of 1.2 m³.
- **Handling material** ▶ Scrap and bulk bags
- **Material handling volume** ▶ 150 t scrap / 450 t bulk bags per hour
- **Cycle times** ▶ 17 s for scrap and approx. 22 s for bulk bags
- **Operational safety** ▶ All access ladders are ergonomically designed and meet the latest engineering standards. This ensures a high level of operational safety when mounting/dismounting and when accessing the maintenance platform. Each access ladder is individually **checked** on the machine by **BG-Bau** [German statutory accident insurance association for the construction industry].
- **Machine options** ▶ Supports can be up to 1.4 m and boom up to 24 m. **Machine also available with diesel engine**. Crawler undercarriage, port lift cab concept.

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**The electric giant: mobile, economical – simply great in every way**

The MHL885 D is a giant amongst electric material handlers and thanks to its excellent stability, is ideal for port logistics. This machine is a combination of the MHL880 D superstructure and the new MHL390 undercarriage. The 3.90 m wide, solid undercarriage handles extremely heavy loads, both with and without supports, particularly within close range. Thanks to the especially large stabiliser plates, the MHL885 D distributes the weight evenly on the quayside. Despite its size and weight, it is extremely agile and flexible.

**Terex Fuchs’s conclusion**

“Primarily the MHL885 D’s low consumption values are key to efficient port logistics. With a system output of 280 kW, average hourly consumption is just 80 kW, which is unheard of in the market for machines of this size. Compared to the diesel version, it is possible to save approximately 60% on energy costs. We’ve kitted this machine out with a 250 kW main motor. In addition to its main motor, which only operates the hydraulic pump, there’s a 22 kW auxiliary drive for pilot control and a 7.5 kW motor for air conditioning. Thanks to the twin cable reels with 60 m each of 1.5 kW rated cables, the material handler can operate across 120 m in total, i.e. 60 m in either direction from the point of connection.”

Andreas Gruber, Port Application Manager, Terex Fuchs

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