

## Electrifying efficiency

Electric drives are today's forward-looking trend – not only in cars, but also in mobile material handling machines. This is especially the case with indoor applications, stationary machines, and rail undercarriage machines, in which powerful zero-emission electric drives that are extremely easy to maintain have very tangible advantages. Some of these include low operating and servicing costs, low noise emissions and heat build-up, and the extensive use of standard components from our range of diesel engine models, which ensures that spare parts will be widely available.



The right connection, every single time: The cable lengths and cable reel designs in Terex® Fuchs electric machines are adapted to each customer's specific needs in line with the required reach and the available connection options on site.



## Clean indoor performance



### MHL820

- ▶ **Compact and agile:** With a 20-tonne service weight, a reach of 10.4 meters and 4-point stabilization, the MHL820 is ideally suited for a wide range of recycling/ scrap handling duties.
- ▶ **Power to spare:** With its high torque and a total power output of 97.5 kW, there is ample power in reserve for rapid maneuvering, even with heavy loads.
- ▶ **Staying mobile:** Using the power cable as its supply source (other options available, such as cable reel), the MHL820 can move around quickly within the cable's generous range; this direct power connection means no need for refueling journeys or for battery charging downtime.
- ▶ **Quiet and clean:** No exhaust gases, little noise and very little heat output – these are the features which make the MHL820 the natural choice when operating indoors or close to residential areas.
- ▶ **Low operating costs:** The electric drive means not only low running costs; exceptional ease of maintenance also means good savings on service costs.
- ▶ **Familiar operation:** Machine controls, including the familiar CAN BUS system, are almost identical with those of the diesel variant, so the operator doesn't need to learn to operate the machine afresh.
- ▶ **Numerous options:** The Terex® Fuchs MHL820 can be equipped with a good range of options. Examples include LED lights, dust protection, armoured glass, and special grab attachments, such as a radiation detector incorporated into the grab for use when handling medical waste.



## Plug and play

### RHL860 XL-trac

- ▶ **Load manager:** The pylon's pyramidal shape optimally transmits forces into the machine's base. In addition, the extra-wide undercarriage with optional 800-mm flat shoes makes it possible to handle extremely large loads at a range of up to 18 m.
- ▶ **Perfect view:** A second pylon can be mounted on the pylon that is integrated into the undercarriage. This makes it possible to reach eye levels of up to 10 m – providing a perfect line of sight into stationary shears.
- ▶ **Easy climb:** The machine's ergonomic ladder access systems are designed according to the latest state of the art, certified by the German BG-BAU construction employers' liability insurance association, and ensure quick, safe, and convenient access to the unit.
- ▶ **Electrifying power:** With its total output of 184 kW, the 67-tonne machine's electric drive gets the unit's high-performance hydraulic system moving quickly whenever necessary.
- ▶ **Mobile task force:** A 50-m cable reel extends the machine's working range. Having plug connections at various points is an easy way to multiply the machine's locations of use.
- ▶ **Tough as nails:** The machine's structural characteristics, all the way from the undercarriage to the dipperstick, are perfectly adapted to the tough day-to-day work that characterizes recycling and scrap handling operations. Needless to say, so are all of the unit's other components. This results in maximum sturdiness, ease of maintenance, and durability.



## Exciting possibilities, both indoors and in public spaces

### MHL831

- ▶ **Compact and supercharged:** A 12-m boom, an operating weight of 24 tonnes, and a powerful motor with a total output of 132 kW make the machine a versatile solution for countless applications.
- ▶ **Variable output:** In addition to the main motor for the hydraulic system, the MHL831 features separate motors for additional functions. The material handling machine has a remarkable level of energy efficiency due to its ability to adjust its total motor output in line with its actual load demand.
- ▶ **Quiet and refined:** Despite its sheer power, the machine only produces minimal noise and barely perceptible vibrations.
- ▶ **For indoor and outdoor use:** A zero-emission and low-noise electric drive makes the MHL831 an ideal choice not only for outdoor, but also indoor assignments.
- ▶ **Confident handling:** The use of the CAN bus system found in the machine's diesel engine version pampers operators of the electric model with the series' usual controls.
- ▶ **Familiar standards:** The cover panels, main pump, control valve manifold, and many other parts are identical to those in the standard machines. This ensures straightforward servicing and the usual quick procurement of spare parts.



### MHL850

- ▶ **Hardened for scrap yard operations:** With an operating weight of 34 tonnes, a working radius of 16 m, and versatile grab and attachment options, the MHL850 is perfect for scrap handling environments.
- ▶ **Breathtaking torque:** The hydraulic system's main drive provides a solid 132 kW with the enormous torque typical of electric motors. Additional motors with a total output of 22 kW are flexibly switched on and off for additional operating functions.
- ▶ **Heat-free:** The machine can barely be heard when working indoors and shines due not only to its zero-emission design, but also to its extremely low heat buildup levels. This help keeps temperatures comfortable even on hot days.
- ▶ **Cost-effective workhorse:** No refueling stops. Low operating and maintenance costs, plus all the advantages of the nearly identical diesel engine model.
- ▶ **Fast and precise:** Thanks to a high-performance hydraulic system and a cleverly engineered control system, fast, precise, and smooth maneuvers can be carried out even under large loads.
- ▶ **Fully equipped:** Useful extras available upon request include air-conditioned and heated seats, a bulletproof glass window, and ball valves on the dipperstick.



**Tough as nails. Efficient. Electric.**