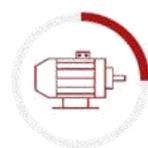


**MINELLI**  
CARICATORI OLEODINAMICI

**New!**



**M15E**



*E-Mission Zero*

IT

**M15E** is the new born in Officine Minelli Company. A *Full-Electric* Material Handler, excellent for fast & no-stop indoor handling operations with **ZERO EMISSIONS**.

Runtime 6 -10 hours available with three different working modes: **ECO, MEDIUM or FAST**.

#### BATTERIES

The machine is equipped with **two in series-batteries**, with an output voltage of **120 Vdc** that powers an inverter and guarantees a wide autonomy of the machine.

The machine is equipped with a battery charger, useful to charge the battery packs "in machine" or "on the ground". Battery housing boxes can be removed and replaced during recharging.

#### ELECTRONIC BOX

An **inverter** is housed inside the "Electronic Box", isolated and cooled by an aluminum exchanger and a fan: it transforms the voltage of batteries from 120 VDC to 80 Vac to power the electric motor.

Thanks to an **Officine Minelli Software** the system controls torque, speed and power absorbed by the pump to optimize performance and consumption.

#### ELECTRIC MOTOR

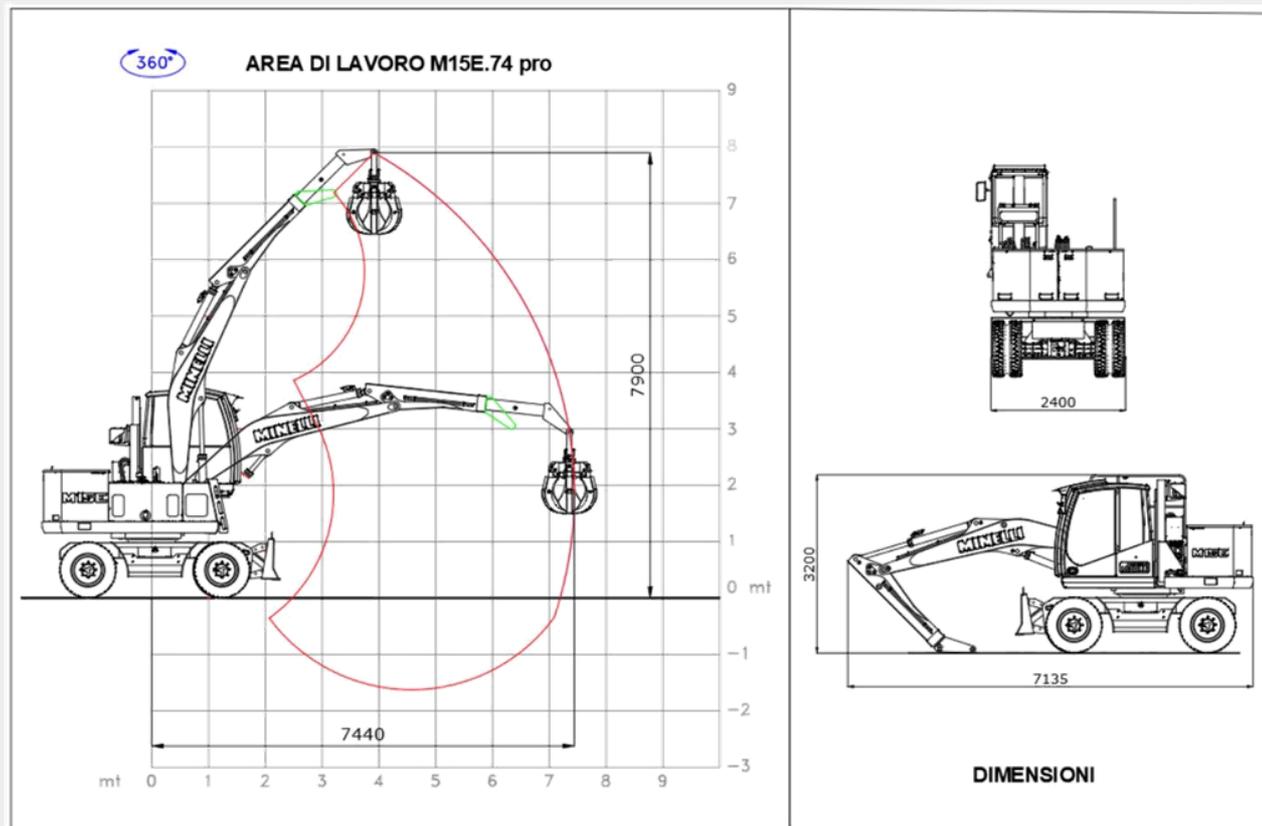
The propulsion of the vehicle is assigned to a 32 kW three-phased motor (power supply 80 Vac, 280 A, 78 Hz - 2400 rpm maximum) powered by battery packs through the control inverter.

#### LINDE HYDRAULIC SYSTEM

A **Linde HPR** variable-displacement axial-pistons pump with 132 liters at working pressure of 300 bar supplies the **Load Sensing Synchron Control** hydraulic circuit.

The machine is managed by a Control Valve Block with increased flow rate for boom and telescopic stick.

Linde "LSSC" System allows synchronized movements, regardless of the load and without any mutual influence; it allows precision control and guarantees better comfort for the operator and significant energy savings.



\*The data shown may be subject to change without prior notice

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