





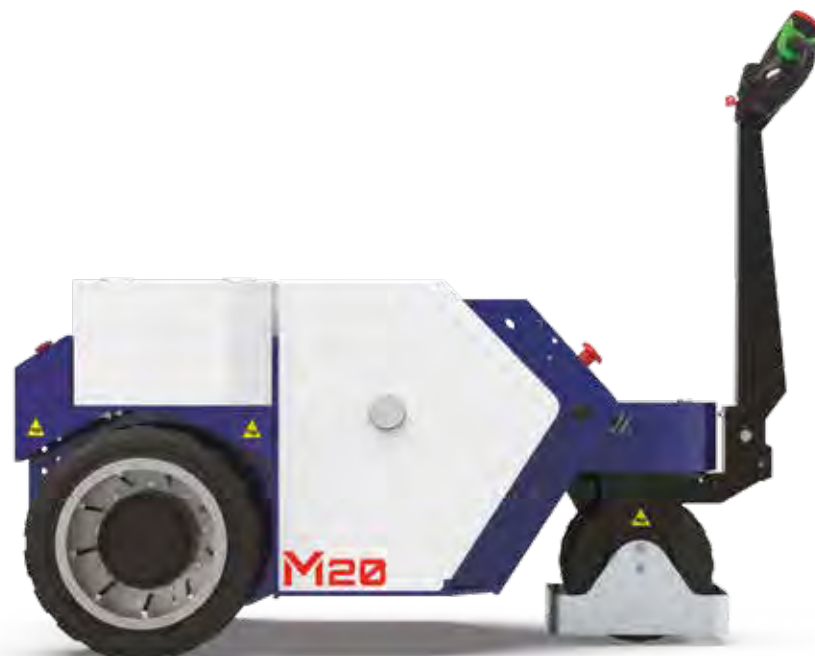
Tow



• • • the passion for moving

# M20

 30.000 kg     3,0 km/h     15 %










# M20

*Heavy duty industrial electric tow tug*

 30.000 kg  3,0 km/h  15 %

- for loads up to **30.000 kg**;
- with **superelastic wheels** for indoor use;
- **5-level speed** adjustment;
- wide range of **standard or customizable hitches** upon request.



# Technical sheet

Model name M20

Certification CE

Tow capacity 30.000 kg

Maximum speed 3,0 km/h

Batteries AGM 350 Ah

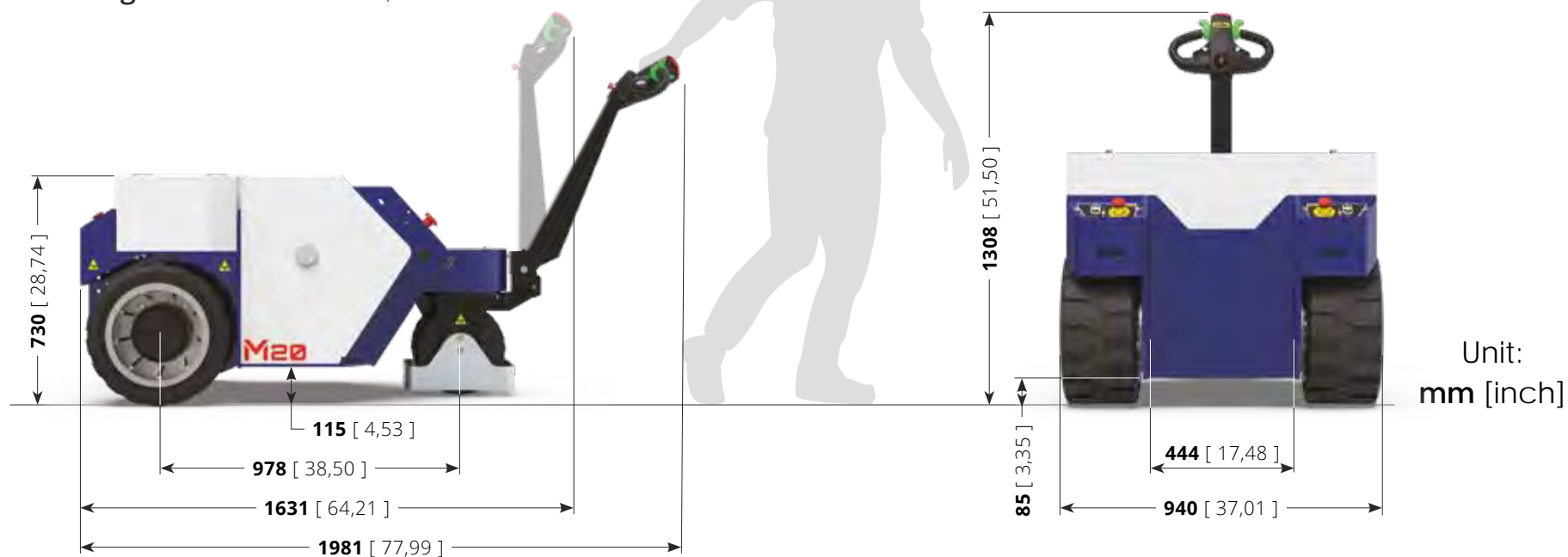
Weight (without batteries) 1.260 kg

Length 1.631 mm

Width 940 mm

Height 1.308 mm

Steering diameter 2,00 m



# Ergonomic driving



**M20 tiller head** has been designed and built to make the use of the machine more ergonomic for the operator, ensuring the **right comfort for prolonged use** during the work shift. Its ergonomic design allows you to have **everything at your fingertips**.

The structure is made of resistant materials in case of accidental impacts.



# Guaranteed autonomy



M20 is equipped as standard with four **350 Ah** batteries, which guarantee the machine an autonomy of **8 working hours with continuous use**.

The batteries are hermetic **AGM** and therefore **do not require maintenance**.



# 5 levels of speed

The **speed** of M20 is **adjustable on 5 levels**, to adapt the conduction based on the type of operation you are facing. The so-called *Flex-to-go* system, designed to be able to carry out **maneuvers in fewer steps** by reducing speed in tight spaces and **travel long distances more quickly** by accelerating on straights.



For each level the speed of the machine increases by 20%, according to this curve:

- 1<sup>st</sup> level: Speed at 20%;
- 2<sup>nd</sup> level: Speed at 40%;
- 3<sup>rd</sup> level: Speed at 60%;
- 4<sup>th</sup> level: Speed at 80%;
- 5<sup>th</sup> level: Maximum speed;





# Safety

Just like all Zallys vehicles, **M20** is equipped **as standard** with several systems to guarantee the **maximum safety** to the operator during use, helping to build a safe and productive work environment without risks of injuries or occupational diseases. The standard safety devices are:

- **Anti-crush button** on tillerhead;
- **Maintained action** controls;
- **Dead-man sensor** on the tillerbar;
- **Secondary travel buttons** and **emergency stop mushroom buttons** on the rear side;
- **Electrobrake** always active in absence of electrical current;
- Connector for the **interruption of power supply**.

Furthermore, the following **optional devices** are available as accessories:

- **LED rotating beacon**;
- Mushroom button for **emergency stop** on tillerhead;
- **Numeric keypad** instead of the key for turning on the machine.

## Secondary travel buttons

**M20** is equipped by default with **secondary travel buttons** on the rear side to facilitate machine-trolley connection operations. Thanks to these buttons, in fact, it is possible to move the machine slowly to **position it precisely near the trolley** and thus proceed with the connection in complete safety. Furthermore, mushroom buttons for **emergency stop** are installed next to the secondary travel buttons.





# Connection hitches



M20 has standard or customized **connection hitches** to be versatile and suitable for numerous applications.



Drop pin hitch  
Ø 40 - 50 mm



Tow ball hitch

# Modular ballasts



M20 comes standard with a weight kit designed to **maximize traction and performance**. This kit consists of 2 x **200 kg** side blocks and 2 x **330 kg** rear blocks.



# Application examples

## Sectors of application:



INDUSTRIAL LOGISTICS



METALLURGICAL INDUSTRY



RAILWAY INDUSTRY









1996



2006



2016



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