



••• the passion for moving

M10



Tow

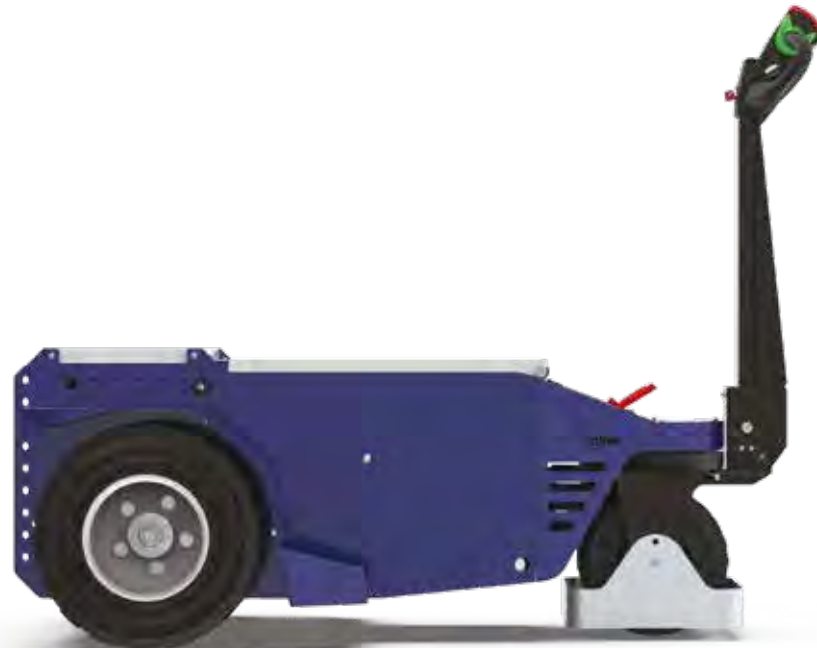


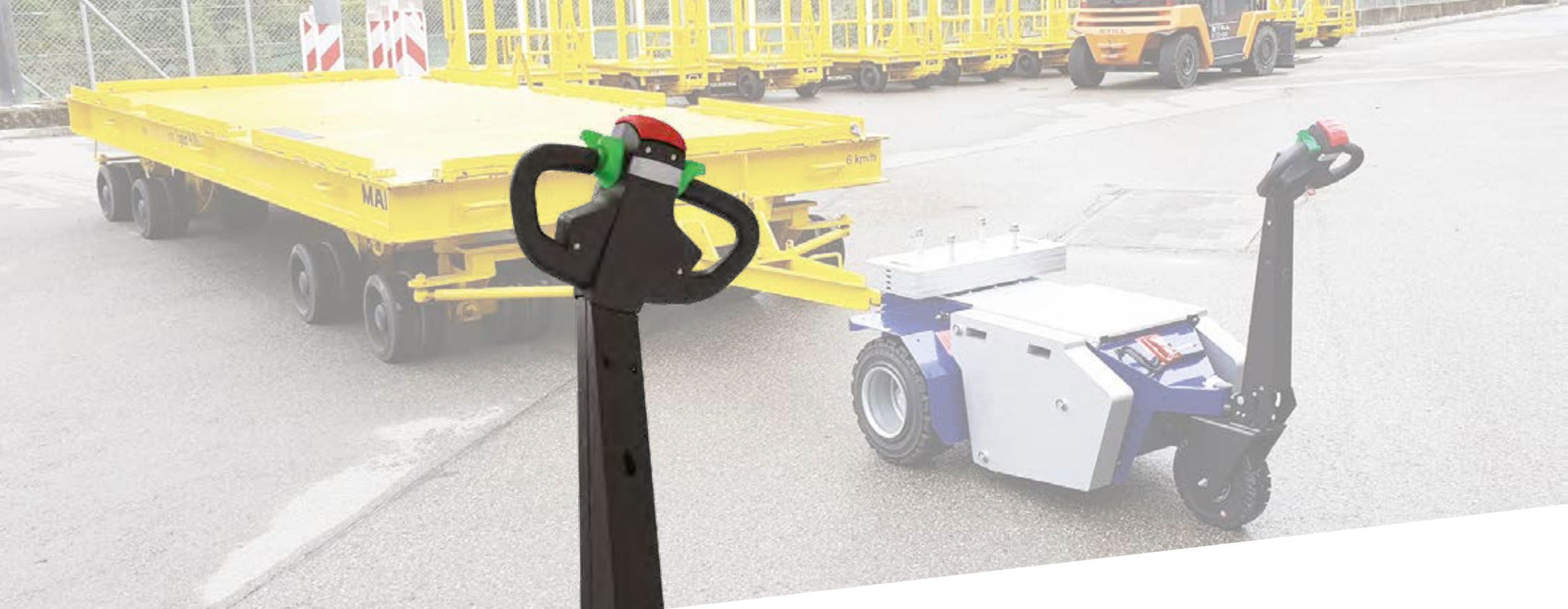
• • • the passion for moving

# M10

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 15.000 kg    5,0 km/h    15 %





# M10

*Industrial tow tug for heavy loads*

 15.000 kg     5,0 km/h     15 %

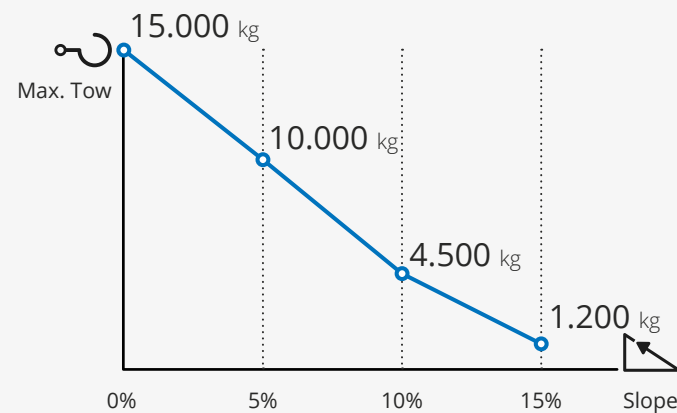
- for loads up to **15.000 kg**;
- **ATEX** and **IECEX** certifications available for use in potentially dangerous and explosive environments;
- with **pneumatic wheels** for indoor and outdoor use;
- **5-level speed** adjustment;
- wide range of **standard or customizable hitches** upon request.



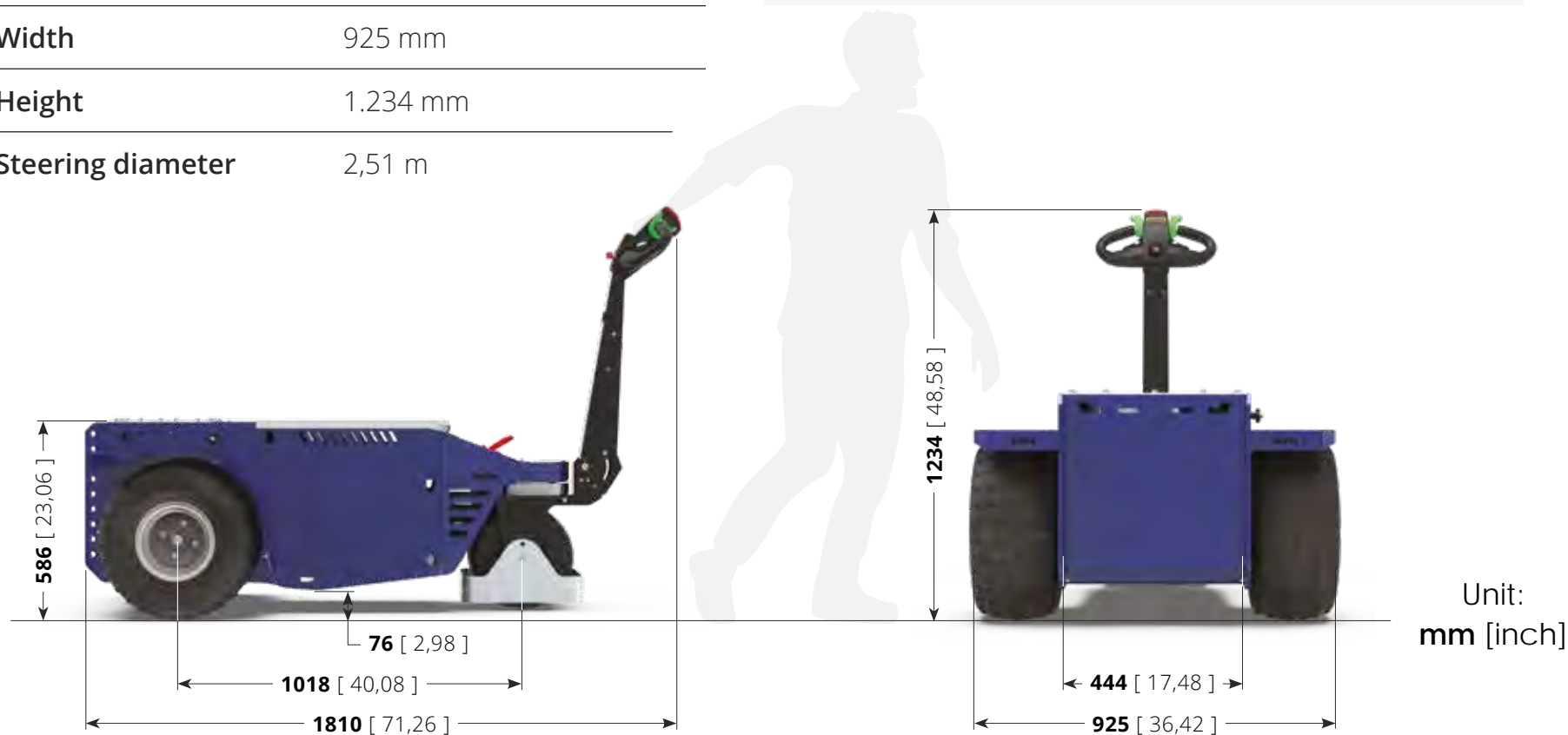
# Technical sheet

Model name	M10
Certification	CE
Tow capacity	15.000 kg
Maximum speed	5,0 km/h
Batteries	AGM 350 Ah
Weight (without batteries)	280 kg
Length	1.810 mm
Width	925 mm
Height	1.234 mm
Steering diameter	2,51 m

## Performances on slopes



While the hook force expressed in N remains unchanged, the towing capacity expressed in kg may vary based on: type of terrain on which towing is carried out, use or not of ballast and type of wheels mounted on the vehicle and trailer.



# Ergonomic driving



**M10 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



M10 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 M10 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, **M10** 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;
- **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**;
- **Protections** for driving and steering wheels;
- Mushroom button for **emergency stop** on tillerhead;
- **Numeric keypad** instead of the key for turning on the machine.

## Modular ballasts

The **modular ballast system** of **M10** gives flexibility in increasing the performance of the machine: the single unit weighs **22 kg**, so a single operator can add or remove weight as needed, without the need for external lifting systems.

Furthermore, on this model it is possible to mount **17 kg rear weights** to further increase performance.



# Connection hitches



M10 has a wide range of **connection hitches** to be versatile and suitable for numerous applications.



Drop pin hitch  
Ø35 / 40 / 50 mm



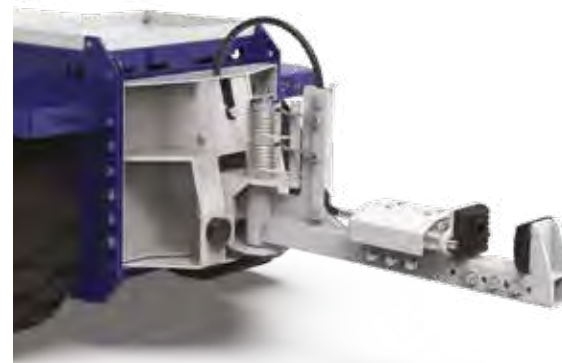
Multifunction hitch  
ball / drop pin



Pushing block



 Hydraulic sliding  
plate



 Hydraulic clamp hitch  
with manual pump

# Application examples

Sectors of application:



INDUSTRIAL LOGISTICS



METALLURGICAL INDUSTRY




RAILWAY INDUSTRY



AUTOMOTIVE



Metallurgical industry 



Industrial Logistics 



Industrial Logistics 




Metallurgical industry 



Automotive 



Railway Industry 

# Alternative versions

**M10** is available in the standard version or it is possible to request the modification for **ATEX** and **IECEX** certifications through specialized bodies.



## M10

*Standard version*

**M10** is the ideal solution for moving heavy loads. Thanks to the powerful electric motor, in fact, it can tow loads of up to **15,000 kg on wheels**, and **60,000 kg on rails**.



## M10 | ATEX

*ATEX and IECEX certifications*

Upon request, **M10** can be modified according to **ATEX** or **IECEX** directives (zones 1/21 and 1/22) for use in environments with potentially explosive dust and gases. The explosion-proof transformations and certification will be carried out through specialized bodies following their analysis and tests.



1996



2006



2016



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