



• • • the passion for moving

M9



Tow



• • • the passion for moving

# M9

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3.000 kg



4,5 km/h



15 %









# M9

*Industrial cart puller*

 3.000 kg

 4,5 km/h

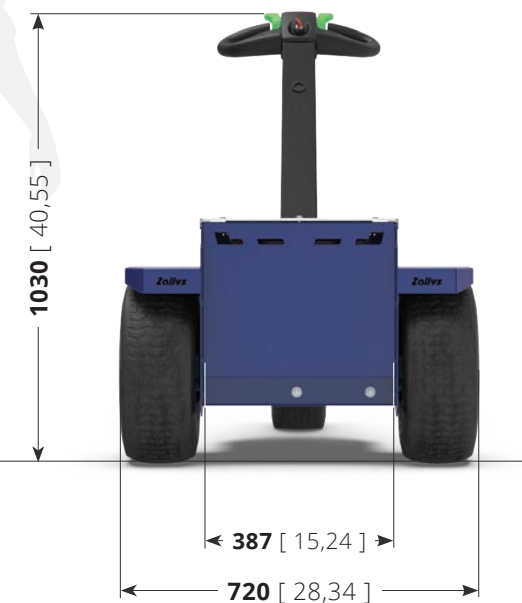
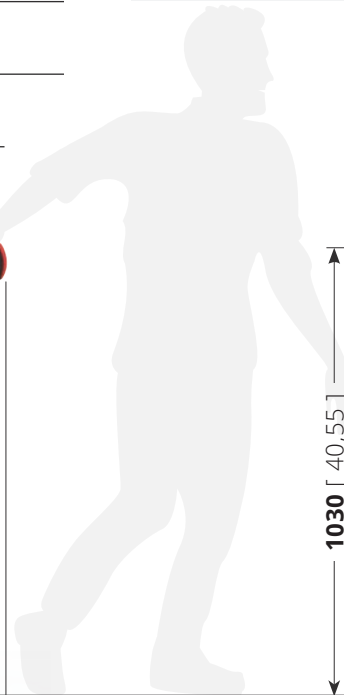
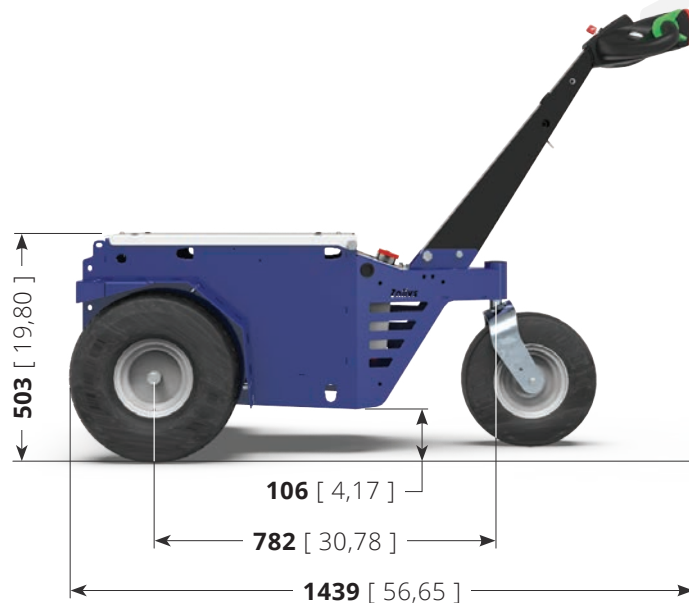
 15 %

- for loads up to **3.000 kg**;
- **versatile** and **compact**;
- with **pneumatic wheels** for indoor and outdoor use;
- **5-level speed** adjustment;
- wide range of **standard or customizable hitches** upon request.



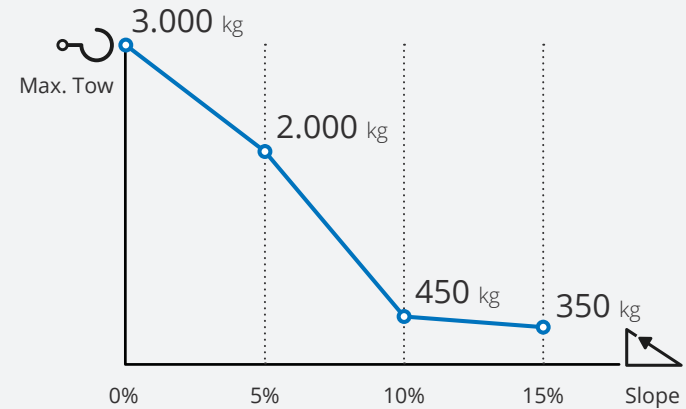
# Technical sheet

Model name	M9
Certification	CE
Tow capacity	3.000 kg
Maximum speed	4,5 km/h
Batteries	AGM 130 Ah
Weight (without batteries)	66 kg
Length	1.439 mm
Width	720 mm
Height	1.030 mm
Steering diameter	1,60 m



Unit:  
mm [inch]

## 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



**M9 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



M9 is equipped as standard with two **130 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**.



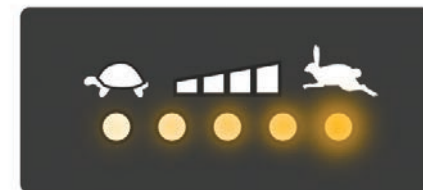
# 5 levels of speed

The **speed** of M9 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, **M9** 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;
- **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.



## Modular ballasts

The **modular ballast system** of **M9** gives flexibility in increasing the performance of the machine: the single unit weighs just **8.5 kg**, so a single operator can add or remove weight as needed, without the need for external lifting systems. This avoids lifting excessive weights, thus eliminating the associated health risks.





# Connection hitches



M9 has a wide range of **connection hitches**, mechanical or electrical, to be versatile and suitable for numerous applications.



Drop pin hitch



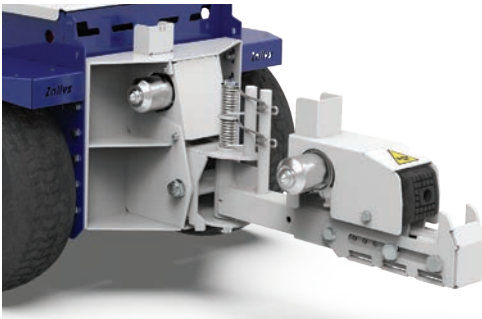
Multifunction hitch  
ball / drop pin



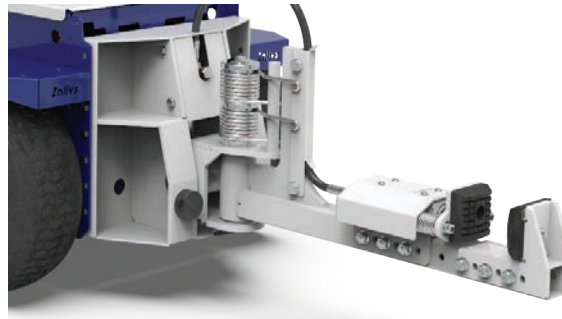
Roll-Box hitch




Hitch for trash bins



 Electric clamp hitch



 Hydraulic clamp hitch  
with manual pump



Hitch for trolleys

# Application examples

## Sectors of application:



INDUSTRIAL LOGISTICS



METALLURGICAL INDUSTRY



WASTE LOGISTICS



SUPERMARKETS



Industrial Maintenance



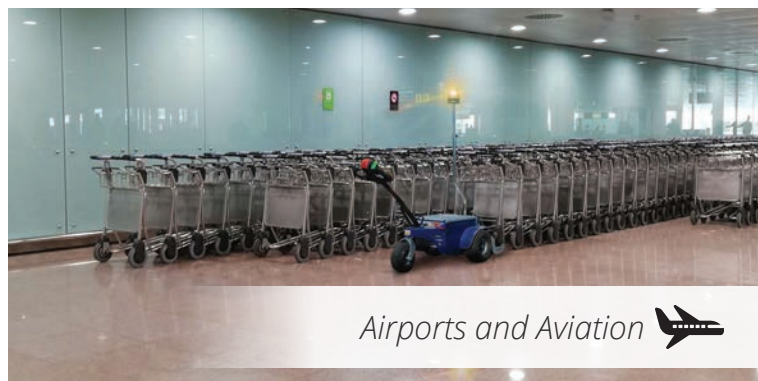
Industrial Logistics



Metallurgical industry



Waste logistics



Airports and Aviation



Supermarkets

# Alternative versions

M9 is available in the standard version or with **remote control** to move rows of trolleys.



## M9

*Standard version*

M9 is a reliable ally for the safe and ergonomic towing and movement of heavy wheeled loads up to **3,000 kg**.



## M9 | Remote control

*M9 with remote control*

With the optional **remote control**, M9 becomes the ideal solution for moving rows of trolleys: this type of control allows a single operator to move up to 60 trolleys simultaneously in a safe and fast way, optimizing collection operations and cutting fixed costs.





1996



...the passion for moving

2006



... the passion for moving

2016



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