

mar plast group

TRACTORS T1500 - T2000 ELECTRICPORTER

FANTOZZI

moving safe. at work



General features and advantages

FANTOZZI T1500 is the electric solid tractor suitable for towing 1500 Kg. (2000 Kg. with the model T2000), studied to allow the operator to move effortlessly on wide industrial surfaces completely safely and quickly: this assures the Company a little increase on productivity and efficiency.

Intensive use

The high numbers of scheduled working handlings and meanwhile the unexpected emergencies and precision, need reliable tools always versatile and available to carry-out continuous work granting high quality levels. Slim and strong FANTOZZI T1500 & T2000 are suitable to drive into small and complex ways; working proof resistant inside the stocking area and factory on flat floors. Possibility to equip the machine with quick battery change: it allows the machine to work on several shifts (pict. 1).

Increase on productivity

FANTOZZI T1500 & T2000 tractors answer the modern concept of logistic, goods handling and people's transport which require more and more skilled and dedicated working instruments suitable to reach the best compromise between working time, working quality/precision, and operator's safety/satisfaction. During handling of unpacked goods or single pieces – without pallets or loading units – FANTOZZI T1500 & T2000 produce a significant increase in productivity, it means much more work arranged shortly and saving of human resources.

Driving comfort

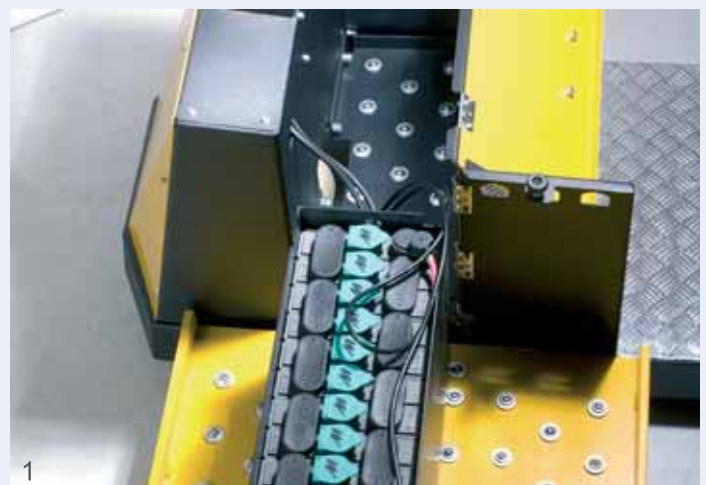
FANTOZZI T1500 & T2000 have comfortable driving position, easy access to the operating control unit, limited height of the platform and comfortable adjustable backrest (3 optional models on request): these allow the operator to drive longtime on safe and correct position, in accordance with ergonomic standards.

Accessories such as book-holder or wire basket make the daily operations easier.

The driving positions (standing-on, with backrest or seated) answer the many handling needs and frequent stops; getting-off and getting-on the vehicle several times.

Maximum safety for operator, goods and environment
The modern concept of safety is not only limited to the operator but to the complete "system": operator, goods, environment.

FANTOZZI T1500 & T2000 are studied in accordance with current regulations as for accident-prevention, limited vibrations, industrial health, common protection etc, but mainly thinking on ethic responsibility and reliability as for working satisfaction and appreciation of human resources.



Technical / manufacturing features

Motor & driving wheel

Equipped with 1200W driving wheel, - Speed 8 Km/h – Loading capacity up to 200 Kg. – Towing capacity 1500 Kg. max. (T2000 towing capacity up to 2000 Kg.).



Electronic control unit

The electronic control unit allows the speed-braking-acceleration adjustments: these parameters customize the use of FANTOZZI Tractors.

Chassis

Strong structure made of Fe37 with black embossing non-scratch epoxy painting. The structure reinforcements guarantee the maximum vehicle's reliability.

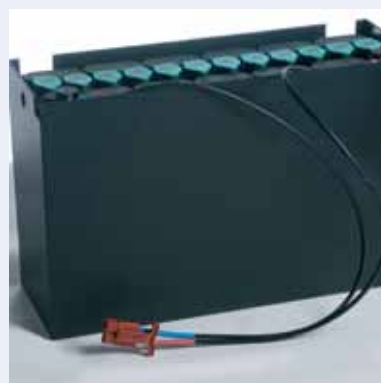


Towing hook

Painted iron towing hook complete with bolts and nuts for fixing.

Battery

T1500 & T2000 are equipped with one traction battery 24V 120Ah, alternative four traction batteries 6V 180Ah: both solutions assure 8 hours endurance. All kinds of batteries do not release fumes during the charge.



Built-in battery charger

Built-in inside the vehicle, it allows everywhere quickly recharge and without additional costly devices.

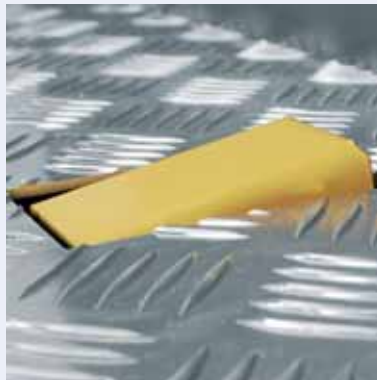
Service brake

The tractor stops gradually by releasing the manipulator: the motor has a gradual counterbrake and finally the service brake enters automatically.



Driver detection sensor

On driving platform there is a pedal: if pressed it moves the machine, if released it assures the machine stop on total safety.



Design

T1500 & T2000 have modern and practical design. The rounded lines make the vehicle comfortable, safe and reliable.



Emergency brake

The brake lever placed on left manipulator makes the emergency braking.

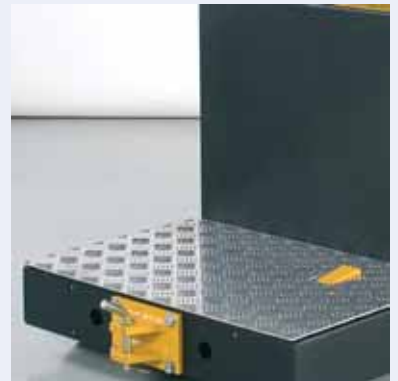
The emergency braking is necessary to avoid accidents inside the factory.



Control unit

Intuitive, simple and effective, it includes:

- Forward and backward speed button
- Light switch
- Charge indicator display
- Warning buzzer
- Emergency button (to stop the vehicle immediately)
- Starting key.



Platform

No slipping aluminium platform 345 mm. height, enables the operator to drive in effortless and healthy position, to move and to turn on total safety.

The platform allows the loading of small references, adding surplus to the operator's job.



Optionals

Flashing light
Iron tubular structure with flashing light and turning led.



Front wheel guard
Iron bar: rust-proofing treatment, powder painting.



Backrest
1. Iron structure fixed to the platform and leather backrest.



2. U backrest with rubber supports.
3. S backrest with rubber supports.



Book holder
Plastic transparent structure with sheets clip and fixing screws.



Wire basket
Wire basket made of chromate rust-proofing stainless-steel.

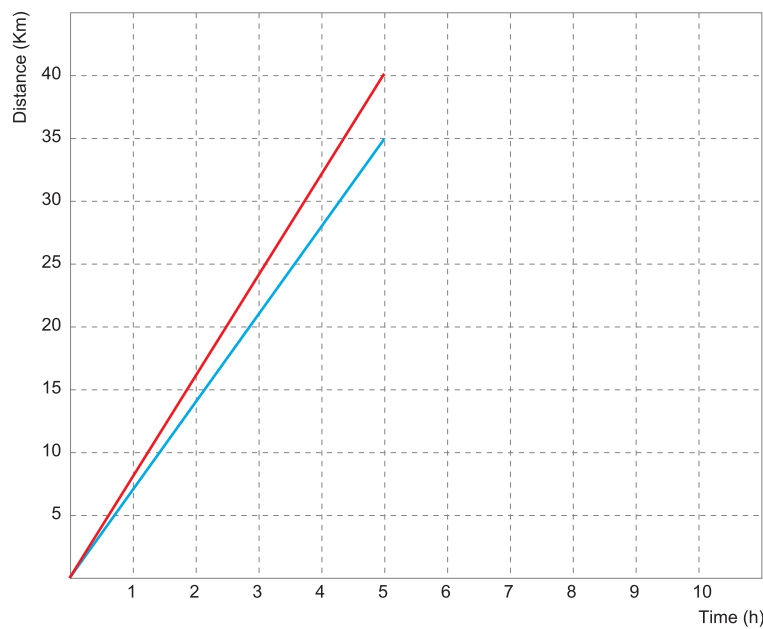
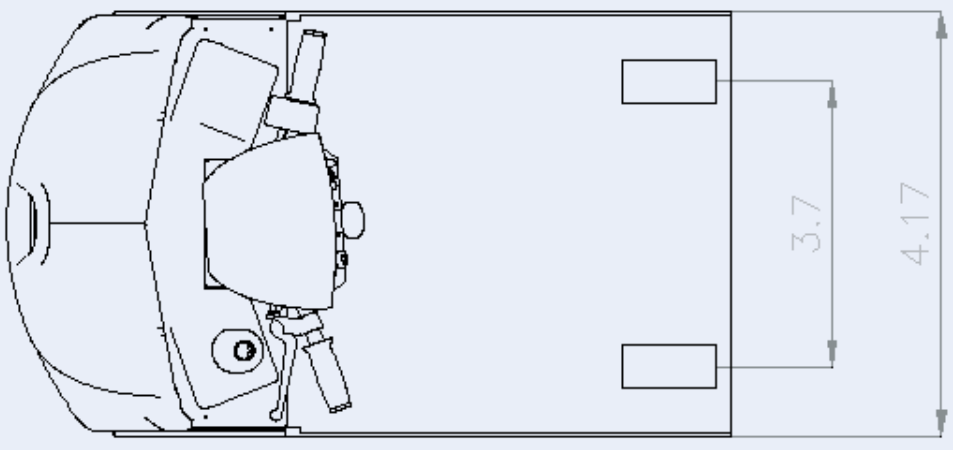
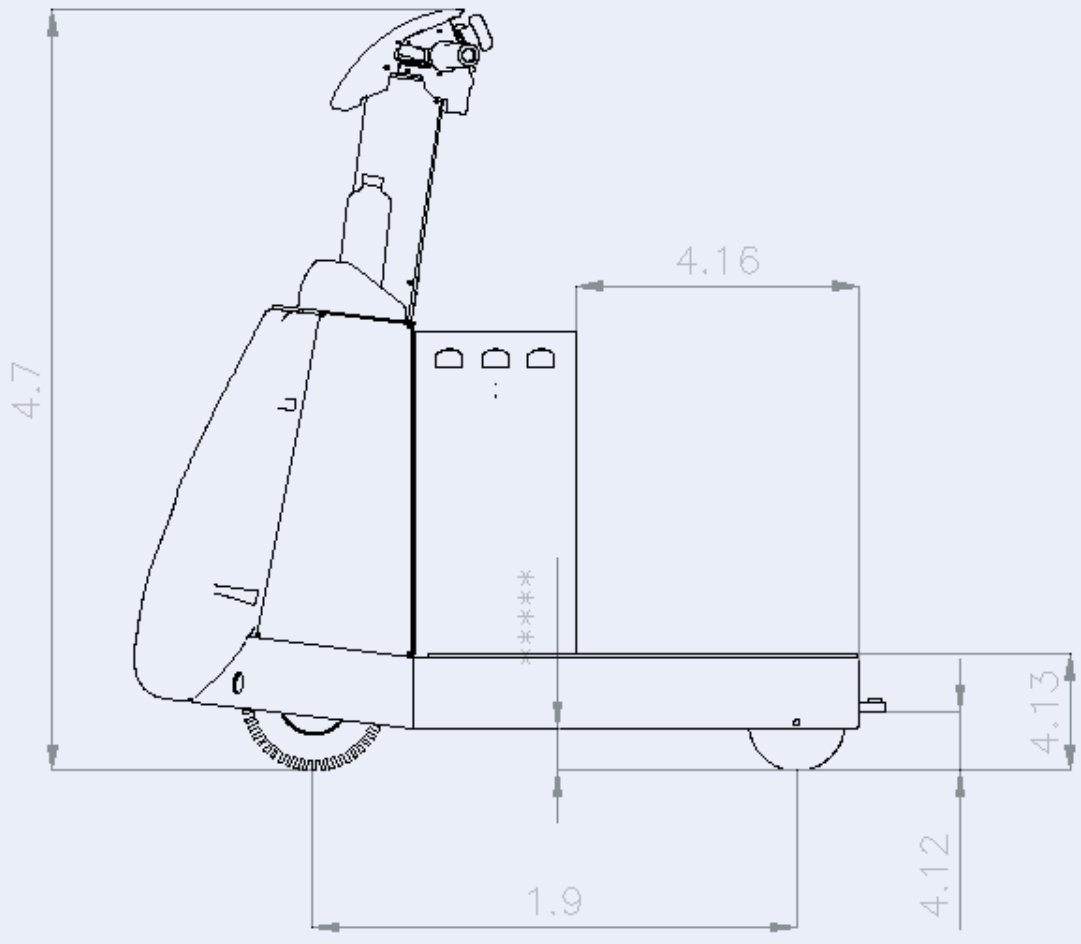


Technical features

VDI 2198

Features	1.1	Manufacturer	Fantozzi			Fantozzi			
	1.2	Model	T1500			T2000			
	1.3	Traction	Electric			Electric			
	1.4	Type of driving	Standing on board			Standing on board			
	1.5	Loading capacity	Q (t)	15			20		
	1.9	Wheel axis	y (mm)	740			740		
Weights	2.1	Weight including batteries	Kg	266			266		
Wheels / structure	3.1	Tyres (superelastic, pneumatic..)	SE			SE			
	3.2	Front wheel dimensions	Ø 240			Ø 250			
	3.3	Rear wheel dimensions	Ø 150 x 50			Ø 150 x 50			
	3.5	Front wheel number (X=traction)	1			1			
	3.5.1	Rear wheel number (X=traction)	2			2			
	3.7	Rear wheel track	b ₁₁ (mm)	560			560		
Basic dimensions	4.7	Operator's protection height (cab)	h ₆ (mm)	1160			1160		
	4.8	Operator's seat height (cab)	h ₆ (mm)	/			/		
	4.12	Towing hook height	h ₁₀ (mm)	100			100		
	4.13	Platform height (without loading)	h ₁₁ (mm)	160			160		
	*****	Clearance	h ₁₁ (mm)	50			50		
	4.16	Loading platform length	l ₃ (mm)	430			430		
	4.17	Loading platform width	b ₉ (mm)	650			650		
	4.19	Total length	l ₁ (mm)	1110			1110		
	4.21	Total width	b ₁ (mm)	650			650		
		Working aisle width	(mm)	850			850		
		Intersecting aisle width	(mm)	2000			2000		
		Minimum rack width between 2 working aisles	(mm)	800			800		
		90° Turning radius	(Wa mm)	2230			2230		
* Performances	5.1	Driving speed with full loading	1:20	13 km/h	4%	1:20	13 km/h	4%	
			1:32	8 km/h STD	10%	1:32	8 km/h STD	12%	
			1:26	10 km/h	6%	1:26	10 km/h	6%	
	5.1.1	Driving speed without loading	1:20	13 km/h	4%	1:20	13 km/h	4%	
			1:32	8 km/h STD	10%	1:32	8 km/h STD	12%	
			1:26	10 km/h	6%	1:26	10 km/h	6%	
	5.8	Max. grade with full loading	1:20	13 km/h	4%	1:20	13 km/h	4%	
			1:32	8 km/h	10% STD	1:32	8 km/h	12% STD	
			1:26	10 km/h	6%	1:26	10 km/h	6%	
	5.10	Service brake	Electromechanical			Electromechanical			
5.11	Parking brake	Electromechanical			Electromechanical				
	Emergency brake	Electromechanical			Electromechanical				
	Driver detection sensor	Mechanical			Mechanical				
Electric motor	6.1	Traction motor – capacity KB 60 min	kW	1,2			1,5		
	6.3	Battery	24V 120Ah			24V 120Ah			
	6.4	Battery tension	U V	24V			24V		
	6.4.1	Battery capacity	K 5 Ah	120Ah			120Ah		
	6.5	Battery weight	Kg	120			120		
Others	8.1	Kind of transmission	1:20	13 km/h	4%	1:20	13 km/h	4%	
			1:32 STD	8 km/h	10%	1:32 STD	8 km/h	12%	
			1:26	10 km/h	6%	1:26	10 km/h	6%	
	8.4	Average noise for the operator	dB (A)	< 70			< 70		
	8.5	Towing hook	Manual			Manual			
	8.6	Steering gear	Mechanical			Mechanical			
	Vibrations to the operator	3,51 m/s ²			3,5 m/s ²				

* the performances refer to the vehicle in perfect conditions, with charged battery and regular motor maintenance



Easy and safe movement Production increased

When a tractor is better than every other operating machine
 In accordance with VDI2391 regulations, it's suggested to use specific machines when intensive towing drive is over 36 mt. distance.
 In these conditions, T1500 is more flexible, quicker inside aisle, suitable for several stops during loading and unloading.
 T1500 is the better solution between towing capacity & price.

— other operating machine
 — T1500

Safe working. You can! You must!

ELECTRICPORTER RANGE 2007



TRACTORS



PLATFORMS



SCOOTERS



HOSPITAL



EC CERTIFICATION



IN ACCORDANCE
WITH 626 LAW



1000 Kg.
MAXIMUM LOADING



80 cm.
WAY WIDTH



2500 Kg.
TOWING CAPACITY

FANTOZZI

moving safe. at work

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