



## ELECTRIC TRACTORS

Our mod. **TR 2** and **TR 4** towing tractors are extremely compact machines that are also easy to use. Thanks to their small size, they are ideal for work in crowded places or where there is not much room to move.

They are specifically designed to push or tow materials that would otherwise have to be shifted by hand or by other unsuitable means. They can be used in a great many situations: hospitals, stations or airports, automotive and other manufacturing industries, towing boats and caravans to storage facilities, etc.

Use of these vehicles sensibly increases productivity since they speed up the job and totally eliminate the physical effort and relative risks to which the operators are exposed.

The basic machine is supplied with a standard tow hitch but on request, we can supply customers with hitches featuring the specific characteristics and functions they require. The two models differ as to towing capacities, ability to operate on different floor surfaces, operating time.

TR 2  
TR 4



# TR 2 TR 4

**CHASSIS:** In electric arc welded steel sheet forming a rigid bearing structure.

**DRIVE UNIT:** Axle with differential driven by a powerful A.C. motor.

**STEERING SYSTEM:** By tiller and control box containing butterfly switches for selecting gears and speeds, ignition key, battery charge indicator.

**ELECTRIC SYSTEM:** With A. C. electronic control unit for maximum control over movements and electronic braking system. Automatic electric parking brake.

**WHEELS:** No-marking superelastic (TR 2), tyred wheels (TR 4).

**OPERATING TIME:** Four hours (TR 2), six hours (TR 4) with average work load. A high-frequency battery charger can be installed on board on request.

**SAFETY DEVICES:** The machine conforms to the regulations in force as to components, performance and stability.

CHARACTERISTICS		dim.un.	
Manufacturer			
Model		TR2	TR4
Platform loading capacity	Nominal capacity	Kg.	-----
Pull capacity	Load nominal capacity	Kg.	1500 3000
Power type	Electric/Endothermic		Eletr. Eletr.
Control type	Pedestrian/stand-on/Seated		Pedestrian Pedestrian
Tyres	Pn - pneum. / se - superel.		1Se-2Se 1Se-2Pn
Wheels	Number front/rear X=drive	Nr.	3 - 1/2x 3 - 1X/2x
Platform dimensions	L x B ( lenght x width)	mm.	-----
<b>DIMENSIONS</b>			
	h= machine body hight	mm.	550 720
	L= lenght	mm.	750 1000
	B=width	mm.	550 710
	h 3 = feet panel hight	mm.	-----
	h 4 = steering/handle hight	mm.	-----
	h 2 = tiller hight		1375 1375
	h 5 = seat hight	mm.	-----
	h 6 = turning light hight	mm.	-----
	h 7 = cabin turning light hight	mm.	-----
	h 1 = cabin hight	mm.	-----
	h 9 = cabin width	mm.	-----
Turning radius	R1= front min. external	mm.	720 920
	R2=rear min. external	mm.	-----
	R3=rear min.internal	mm.	-----
Aisle width	U-turn	mm.	-----
Hook hight	s = hook center to ground	mm.	220 250-400
<b>PERFORMANCE</b>			
Speed	Without / with load	Km./h	6-4 6-4
Tractive effort	Continuative work 60'	N.	600 1000
	Max in plane x 5"	N.	900 2000
Gradeability	Without/width	%	10-2 10-2
Weight	With battery	Kg.	160 350
Axes load	Front/rear with battery	Kg.	40-90 150-200
<b>TRACTION</b>			
Wheels	Front diam./ width	mm.	160x50 280x80
	Rear diam./ width	mm.	200x80 380x100
Wheelbase	y = pitch	mm.	504 705
Trach	C posterior wheels center	mm.	470 640
Ground clearance	clearance at half chassis	mm.	65 100
Working brake	Mecc./hydraul./eletr.		Eletr. Eletr.
	Brake axes number	N.	1 1
Parking brake	Mecc./hydraul./eletr.		Eletr. Eletr.
Suspensions	Spring/laf spring/schock absorber		1 1
<b>POWER SUPPLY</b>			
Battery	Type		Reinforced Reinforced
	Capacity	V./Ah.	2x12/130 (C5) 24/150-200 (C5)
	Weight	Kg.	70 140
Electric motor	Translation,power S2=60°	Kw.	0,6 AC 0,8 AC
Electric system	electronic control		Inverter AC Inverter AC
Steering	Mecc./hydraul./eletr.		Manual Manual
Transmission	Mecc.		Mechanics Mechanics
Towing hook	manual - automatic		Manual Manual
Autonomy	working hours witrn medium work	h.	5/6 7/8

