

# PEDESTRIAN TUGS



## TR4

TR4 lift  
TR4 rc

Designed for towing or pushing heavy loads on wheels which would otherwise have to be handled in the manual mode using unsuitable methods. Ideal for use in many different sectors: hospitals, stations or airports, automotive and other manufacturing industries, boat storage and many more. Use of these machines obviously does away with the effort of manual work while speeding up the operations themselves. The basic machine, model TR 4, has a standard tow hook. A hitch with three height positions can be supplied on request. Model TR 4 LIFT has an electrically lifted plate at the rear which allows the material to be towed to be coupled by the lifting action of the hitch itself. This system can also be installed on a rotating support, called H, which allows both towing tractor and load to achieve wide steering angles. Model TR 4 RC is designed to tow rows of caddies in both the manual mode and by remote control.



TR4 rc



TR4 lift h



TR4

# TR4

**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:** super elastic ,pneumatic.  
**OPERATING TIME:** Four hours , 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 TR4			
Platform loading capacity	Nominal capacity	Kg.	---
Pull capacity	Load nominal capacity	Kg.	3000
Power type	Electric/Endothermic		Eletr.
Control type	Pedestrian/stand-on/Seated		Pedestrian
Tyres	Pn - pneum. / se - superel.		1Se-2Pn
Wheels	Number front/rear X=drive	Nr.	3 - 1X/2x
Platform dimensions	L x B ( lenght x width)	mm.	---

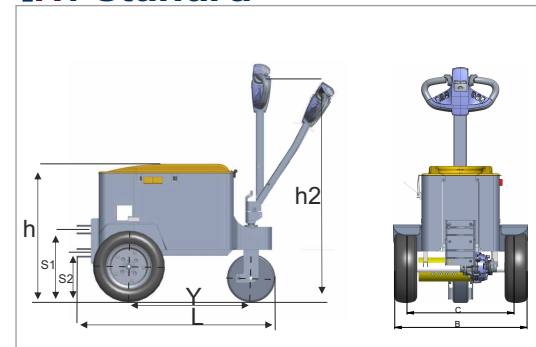
DIMENSIONS			
	h = machine body hight	mm.	720
	L = lenght	mm.	1000
	B = width	mm.	710
	h 3 = feet panel hight	mm.	---
	h 4 = steering/handle hight	mm.	---
	h 2 = tiller hight		1375
	h 5 = seat hight	mm.	---
	h 6 = turning light hight	mm.	---
	h 7 = cabin turning light hight	mm.	---
	h 1 = cabin hight	mm.	---
	h 9 = cabin width	mm.	---
Turning radius	R1= front min. external	mm.	920
	R2=rear min. external	mm.	---
	R3=rear min.internal	mm.	---
Aisle width	U-turn	mm.	---
Hook hight	s = hook center to ground	mm.	250-400

PERFORMANCE			
Speed	Without / with load	Km/h	6-4
Tractive effort	Continuative work 60'	N.	1000
	Max in plane x 5"	N.	2000
Gradeability	Without/width	%	10-2
	Weight	With battery	Kg.
Axles load	Front/rear with battery	Kg.	150-200

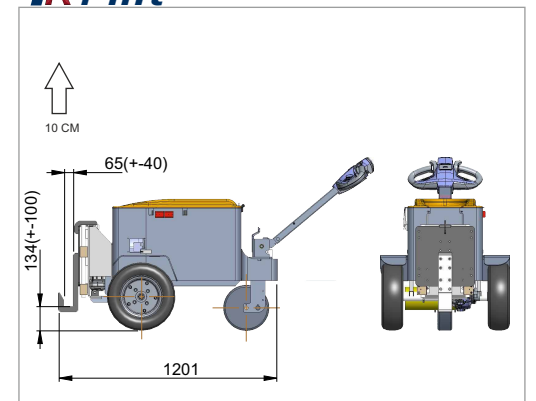
TRACTION			
Wheels	Front diam./ width	mm.	280x80
	Rear diam./ width	mm.	380x100
Wheelbase	y = pitch	mm.	705
Trach	C posterior wheels center	mm.	640
Ground clearance	clearence at half chassis	mm.	100
Working brake	Mecc./hydraul./eletr.		Eletr.
	Brake axles number	N.	1
Parking brake	Mecc./hydraul./eletr.		Eletr.
Suspensions	Spring/laf spring/schock absorber		1

POWER SUPPLY			
Battery	Type		Reinforced
	Capacity	V./Ah.	24/150-200 (C5)
	Weight	Kg.	140
Electric motor	Translation,power S2=60°	Kw.	0,8 AC
Electric system	electronic control		Inverter AC
Steering	Mecc./hydraul./eletr.		Manual
Transmission	Mecc.		Mechanics
Towing hook	manual - automatic		Manual
Autonomy	working hours witm medium work	h.	7/8

## TR4 stanard



## TR4 lift



## TR4 rc

