PEDESTRIAN TUGS

TRZ
TRZ lift
TRZ lift br
TRZ rc

Designed for towing or pushing loads on wheels which would otherwise have to be handled in the manual mode. 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 Z, has a standard tow hook. A hitch with three height positions can be supplied on request. Model TR Z 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 **br** which allows both towing tractor and load to achieve wide steering angles. Model TR Z RC is designed to tow rows of caddies in both the manual mode and by remote control.

TRZ

TRZ LIFT

PLATE WHERE APPLY
REQUIRED HOOK

ALL COMMANDS ARE
ACCESSIBLE FROM THE TILLER

STEEL STRUCTURES WITH
OVERSIZED THICKNESS

LIFTING SYSTEM
ROTARY ARM THROUGH
ELECTRIC ACTUATOR

BATTERY CHARGER ON BOARD

CUSTOMIZABLE HOOK

TRACTION UNIT WITH DIFFERENTIAL
AND ANTI-MARK WHEELS AS STANDARD

TRZ LIFT br

Towing tractors TRZ Lift and model TRZ Lift br are designed for towing trailers without drawbar or tow hitch inside factories. These towing tractors have a system which lifts a plate to which a hitch or a pivoting arm with hitch is fixed.
The difference between the two versions lies in the ample maneuvering capability of the second model.
The operator drives the tractor close to the trailer, fits the hitch under the cross-member of the trailer it self, then lifts it and applies the hitch. The hitch is designed to suit the trailer towed.
All movements are electrical and controlled by push-buttons on the tiller.

TRZ RC

ROTATING LIGHT FOR MAXIMUM
VISIBILITY OF THE MACHINE

RADIO CONTROL
WHEN THE OPERATOR DIRECTS
THE TROLLEY TRAIN

SELECTABLE DOUBLE GUIDE
HELM OR RADIO CONTROL

SINGLE FRONT HEAVY
DUTY PIVOTING WHEEL

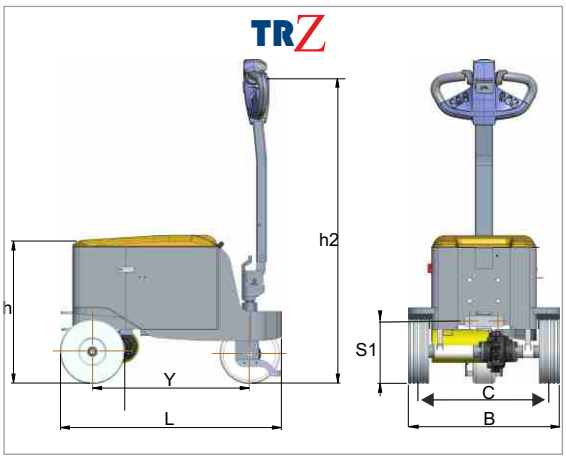
HOUSING AND REAR DISTANCE
WHEEL MODIFIABLE

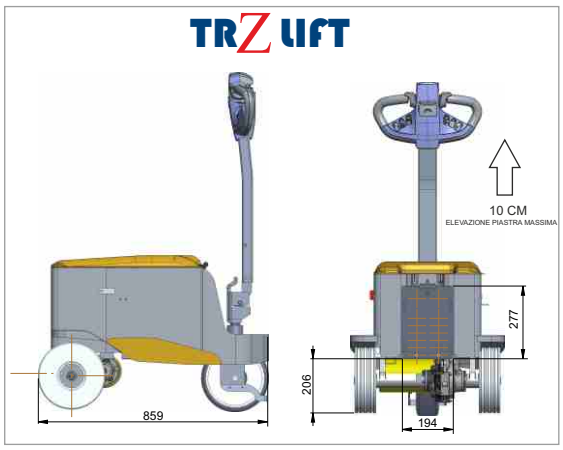
Towing tractor TR Z RC is designed to drive the carts normally used in supermarkets. The rear part is fitted with a metal structure able to house the two rear wheels of the first cart in the row.
The two containers are adjustable in width and can house the vast majority of wheels fitted on the different types of carts.
Once the first has been fixed, the operator can align a row of 15/20 carts to push.
This operation can be performed by the operator using a remote control. The towing tractor can be steered by means of the control box or by using the push-buttons on the remote control t o select all the operations.

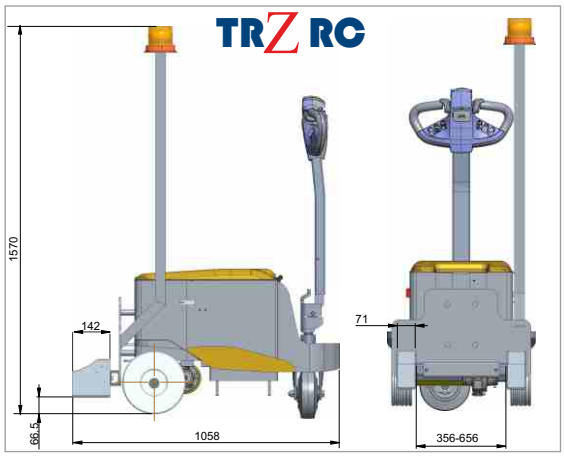
TRZ

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 no marking .
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.	
Manifacturer			
Model			TRZ
Platform loading capacity	Nominal capacity	Kg.	----
Pull capacity	Load nominal capacity	Kg.	1500
Power type	Electric/Endothermic		Elettr.
Control type	Pedestrian/stand-on/Seated		Pedestrian
Tyres	Pn - pneum. / se - superel.		1Se-2Se
Wheels	Number front/rear X=drive	Nr.	3 - 1/2x
Platform dimensions	L x B (lenght x width)	mm.	----
DIMENSIONS			
	h= machine body hight	mm.	550
	L= lenght	mm.	859
	B=width	mm.	570
	h 3 = feet panel hight	mm.	----
	h 4 = steering/handle hight	mm.	----
	h 2 = thiller hight		1100
	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.	750
	R2=rear min. external	mm.	----
	R3=rear min.internal	mm.	----
Aisle width	U-turn	mm.	----
Hook hight	s = hook center to ground	mm.	220
PERFORMANCE			
Speed	Without / with load	Km./h	6-4
Tractive effort	Continuative work 60'	N.	600
	Max in plane x 5"	N.	900
Gradeability	Without/width	%	10-2
Weight	With battery	Kg.	160
Axles load	Front/rear with battery	Kg.	60-100
TRACTION			
Wheels	Front diam./ width	mm.	250x75
	Rear diam./ width	mm.	250x75
Wheelbase	y = pitch	mm.	609
Trach	C posterior wheels center	mm.	470
Graund clearence	clearence at half chassis	mm.	190
Working brake	Mecc./hydraul./elettr.		Elettr.
	Brake axles number	N.	----
Parking brake	Mecc./hydraul./elettr.		Elettr.
Suspensions	Spring/laf spring/schock absorber		1
POWER SUPPLY			
Battery	Type		Renforced
	Capacity	V./Ah.	2x12/130 (C5)
	Weight	Kg.	70
Elettric motor	Translation,power S2=60°	Kw.	0,6 AC
Electric system	electronic control		Inverter AC
Steering	Mecc./hydraul./elettr.		Manual
Transmission	Mecc.		Mechanics
Towing hook	manual - automatic		Manual
Autonomy	working hours witm medium work	h.	5/6







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