

GIOBBE
automation

GIOBBE s.r.l.

ferber

TRS CLIMBER

Electronic AC CANBUS



HEAVY DUTY LIFTING & TOWING TRACTOR

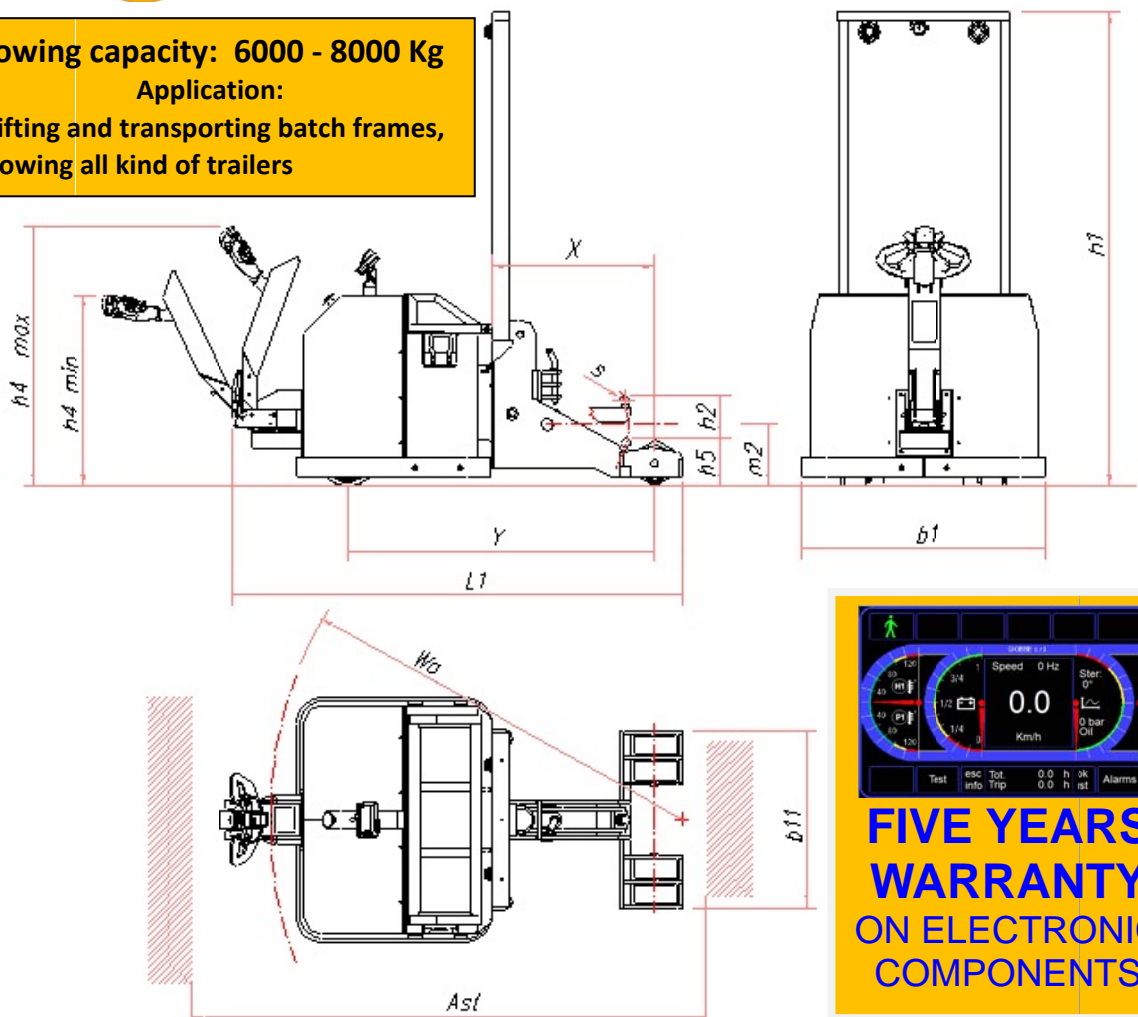
- 2 motorized wheels on elastic suspensions;
- steer-by wire power-steering & electronic axis;
- PAC Safety supervisor, CODESYS SFW;
- Electronic differential speed control for two in-wheels motors;
- Human interface Color screen & USB;
- Self-diagnosis function;
- Safety infrared camera with 7" screen;
- Contactless absolute angle sensors;
- Three-phase current drive with recuperation of braking energy;
- Electronic oil pressure control;
- Availability of Quick battery change for 24 continuous working.

It can operate on floor not perfectly smooth and inclined.

Towing capacity: 6000 - 8000 Kg

Application:

- Lifting and transporting batch frames,
- Towing all kind of trailers



**FIVE YEARS
WARRANTY
ON ELECTRONIC
COMPONENTS**

	Description	Unit	TRS	TRS
			CLIMBER 60	CLIMBER 80
Characteristics	Control of motion		By tiller	By tiller
	Load lifting capacity	Kg (N)	3000 (29430 Newton)	4000 (39240 Newton)
	Trailing force	Kg (N)	6000 (58860 Newton)	8000 (78480 Newton)
	Axle centre to fork face	mm (x)	725	870
	Wheelbase	mm (Y)	1350	1620
	Weight with battery, without load	Kg	1110	1350
	Wheels	Wheel coating		Polyurethane, rubber
Motorized wheels size		mm	Nos. 2 Ø 260 x 110	Nos. 2 Ø 260 x 110
External wheels size		mm	Nos. 4 Ø 200 x 80	Nos. 4 Ø 250 x 80
Truck width front		mm (b1)	1070	1170
Truck width rear		mm (b11)	775	930
Dimensions	Truck height	mm (h1)	2100	2100
	Free lift of the Ball trailer coupling	mm (h2)	190	190
	Initial lift (lower height of the ball)	mm (h5)	210	250
	Height of tiller in operating position (min/max)	mm (h4)	900/1150	900/1150
	Overall length	mm (L1)	1980	2380
	Overall width	mm (b1)	1070	1200
	Diameter of the Ball trailer coupling	mm (S)	45	45
	Ground clearance, centre of wheelbase	mm (m2)	270	300
	Minimum space of work	mm (Ast)	2150	2600
Operation	Turning radius	mm (Wa)	1400	1700
	Max. Travel speed	Km/h	4	4
	Ball lifting speed with/without load	m/s	0.11/0.18	0.11/0.18
	Ball lowering speed with/without load	m/s	0.11/0.18	0.11/0.18
Power	Emergency/parking disk brakes	Nos. 2	electro-magnetic	electro-magnetic
	Power of brushless motorized wheels	Kw	Nos. 2 x 1.7Kw	Nos. 2 x 1.7Kw
	Hydraulic pump brushless motor	Kw	2	2
	Power steering electric brushless motors	Kw	0.7	0.7
	DIN BOLTED "No spillable" Battery 24 V	Ah	400 (C5) – 500 (C20)	400 (C5) - 500 (C20)
Others	Battery weight	Kg	380	380
	Electronic Drivers	CANBUS	Nos. 3 converters DC/AC	Nos. 3 converters DC/AC
	Protocol		CANBUS Open	CANBUS Open
	Programmable Safety PAC controller	40 points	2nd CAN gateway function	2nd CAN gateway funct.
	PLC in the rudder	24 I/O	IFM CANBUS	IFM CANBUS
	Human interface HMI color display	4.3"	CANBUS	CANBUS
Noise level in working conditions	dB	<70	<70	

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*Attività fondata nel 1840 dall'artiere
fondatore Giovanni Beretta
e condotta senza interruzione dai
discendenti*