



## Electric Tow Tractor TTE 30 Towing Capacity 3000 kg

Extremely compact and easy to drive with narrow turning radiuses.  
The "shock resistant" loading chassis, realised with laser-cut and electro-welded high thickness plates, makes it possible to completely exploit the high torque performances offered by the AC motor.  
Battery's side extraction

Complete instrumentation: key switch, check control for immediate detection of any fault or breakdown with hour counter function and battery charge indicator, gear selector, horn.

Lights: 1 front beam – integrated in the structure and protected from crashes –, rear and stop lights. Flashing beacon available as option

On the TTE 30 the driver can be both seated or standing, with an ergonomic seat that can be regulated in height and inclination. For a better driving comfort, the standing plate is mounted on anti-vibrating springs.

Available with manual simple towing hitch, 3-positions manual towing hitch or towing hitch with automatic engaging

Rear inching control to ease coupling operations.

Steering wheel of the same dimension of driving wheels, mounted on a big-dimension fifth wheel; low step on for a quick and comfortable access to the driving place.

Rear axle: forms a single unit with the motor/transmission, mounted parallel to the wheels' axis, fixed to the chassis with rubber silent-blocs.

AC motor, brushless, closed execution with ventilation system. Equipped with encoder, thermal sound and a negative electromagnetic brake with manual unlock lever. Speed control with a three-phase microprocessor inverter with regenerative braking. Programmed interface (supplied separately)

"Man on board" device with sensitive mat and under the seat.

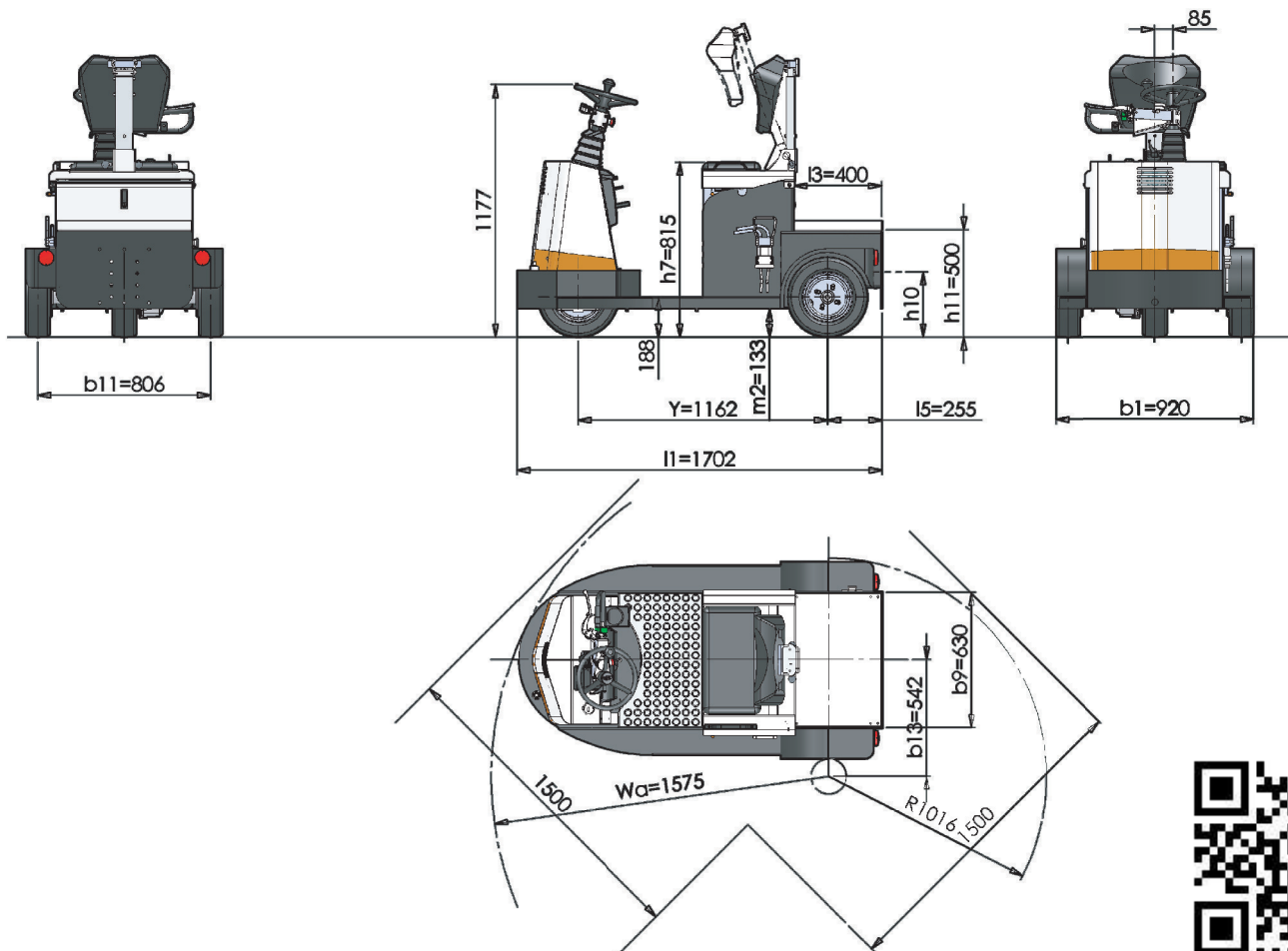
Service brake, operated with the motorbike-like lever next to the steering wheel; the main cylinder acts on the rear wheels' drums.

Electric braking, preset, operating automatically when accelerator is released, brake lever first stroke and on reversing direction.

Electromagnetic parking and emergency brake : normally the tractor is braked with electronic control.

Standard painting: RAL grey 7021/7035; other colors on request (option).

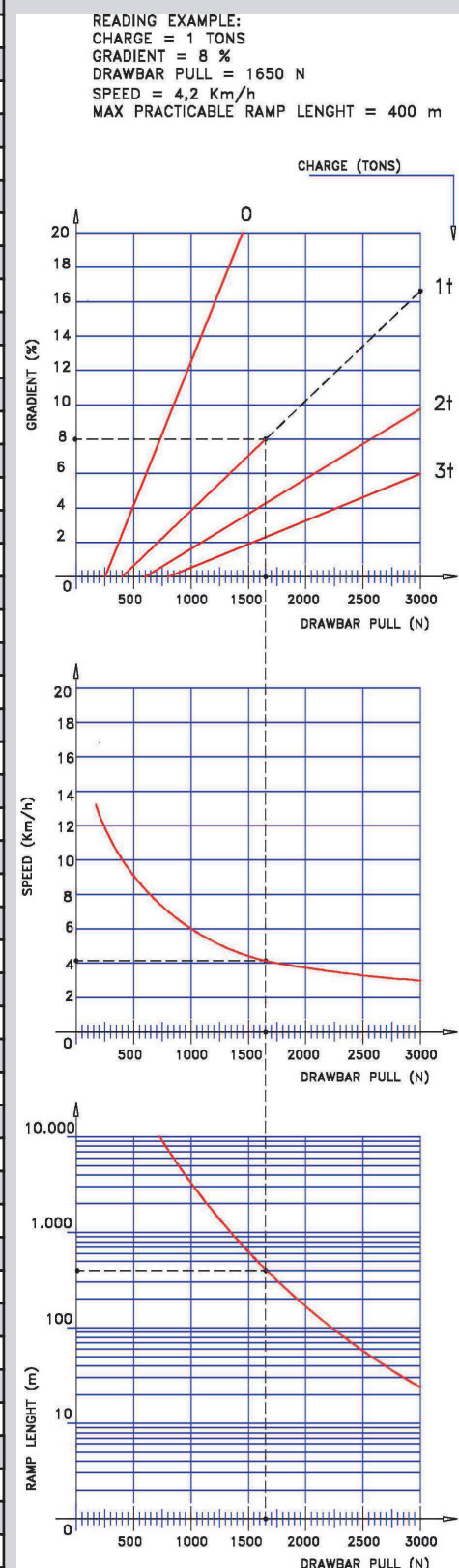
The design of SIMAI machines aims at standardization and accessibility of components (modular assembly). All SIMAI machines are built and certified accordingly to the Machines Directive and bear the CE mark



FEATURES	1.1	Manufacturer			SIMAI S.p.A.
	1.2	Model			TTE30
	1.3	Drive			Electric
	1.4	Operator type			Sitting / standing
	1.5	Load capacity	Q	t	0,1
	1.5.1	Towing capacity	Q	t	3
	1.7	Rated drawbar pull	F	N	1000
	1.9	Wheelbase	Y	mm	1162
WEIGHT	2.1	Service weight (with battery)		Kg	523
	2.2	Axle loading laden fore/rear (w/operator 80 kg each)		Kg	218 / 485
	2.3	Axle loading unladen fore/rear		Kg	178 / 345
TIRES, CHASSIS	3.1	Tires: Cushion(Cu),Extra-elastic(SE),Pneumatic(Pn),Polyurethane(PE)			SE/Pn
	3.2	Tire size fore			15x4,5-8
	3.3	Tire size rear			15x4,5-8
	3.5	Wheels, number fore/rear (X=motive)			1/2X
	3.6	Tread, front	b <sub>10</sub>	mm	-
	3.7	Tread, rear	b <sub>11</sub>	mm	806
DIMENSIONS	4.7	Height of roof/cabin	h <sub>6</sub>	mm	-
	4.8	Seat height	h <sub>7</sub>	mm	815
	4.8.1	Step-on platform's height		mm	188
	4.12	Coupling height	h <sub>10</sub>	mm	215 - 270 - 325
	4.13	Loading height (min/max)	h <sub>11</sub>	mm	500
	4.16	Platform lenght	l <sub>3</sub>	mm	400
	4.17	Rear overhang	l <sub>5</sub>	mm	255
	4.18	Platform width	b <sub>9</sub>	mm	630
	4.19	Overall lenght	l <sub>1</sub>	mm	1702
	4.21	Overall width	b <sub>1</sub>	mm	920
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	133
	4.35	Turning radius, fore	Wa	mm	1575
	4.35.1	Turning radius, rear		mm	1016
	4.36	Turning radius, inner	b <sub>13</sub>	mm	542
	4.36.1	Aisle width when turning 90°		mm	1500
PERFORMANCES	5.1	Travel speed, laden/unladen		Km/h	7 / 12
	5.5	Drawbar pull, laden		N	-
	5.5.1	Drawbar pull, unladen		N	1000
	5.6	Max. drawbar pull laden/unladen		N	- / 3000
	5.7	Gradeability laden/unladen		%	See chart
	5.8	Max. gradeability laden/unladen		%	See chart
	5.10	Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical)			I / E
	5.10.1	Type of service brake fore/rear			- / drum
MOTOR	6.1	Drive motor rating S2 60 min		kW	2
	6.1.1	Hydraulic steering motor rating S2 60 min		kW	-
	6.3	Battery acc. to DIN 43531 /35 /36 A, B, C, no			43535 B
	6.4	Battery voltage	U	V	24
	6.4.1	Battery rated capacity	K5	Ah	320 - <b>360</b>
	6.5	Battery weight		Kg	280 - <b>307</b>
	6.6	Energy consumption (VDI cycle)		kWh/h	-
OTHER DATA	8.1	Electronics control			Inverter AC
	8.4	Sound level at the driver's ear according to DIN 12053		dB(A)	69
	8.5	Towing coupling, type DIN			-

As per VDI guidelines 2198, this datasheet applies to standard electric tractor / platform truck only

Dimensions are not binding and can be changed in any moment. The performances must be intended for brand new machines, after having completed the running-in tested in San Donato Milanese Factory in normal climatic conditions. Performances and weight are to be intended with standard motors and battery (reported in bold) and with pneumatic tires. Some data can vary according to different equipments.



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