3-wheel electric tow tractor

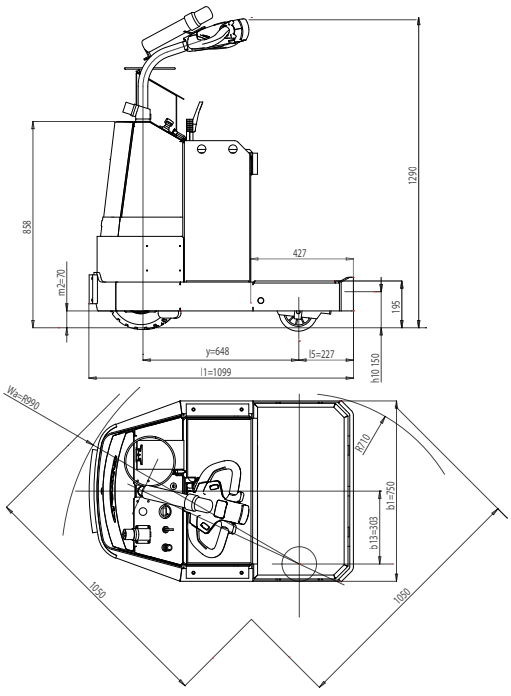
TTE15

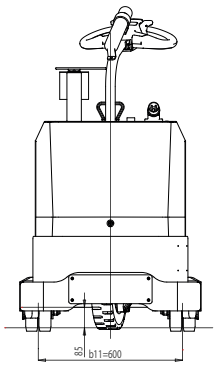
Towing Capacity 1500 kg

3-wheel tow tractor, man on board, with front-wheel drive. Extremely fast, compact and easy to drive, perfect for indoor lightweight, short-distance, industrial towing duties.

- **Supporting chassis** ensures maximum exploitation of induction motor torque.
- Preset electrical **braking,** operating automatically when accelerator handgrip is released and on reversing direction.
- Mechanical drawbar **steering.**
- **1 operator on board,** driving while standing. Low step-on platform with suspension system for maximum driving comfort.
- **"Man on board" device** with sensor floor mat. Driver back support available upon request. Blue and flashing lights available upon request.
- **Multifunction digital dashboard** with battery charge indicator, fault detection, speedometer and hour meter.
- **Induction motor based wheel-drive system.**
- **Electronic speed control of AC motor** with energy recovery during deceleration and braking. Several towing hitches available.
- **Battery** 24 V 375Ah
- Single phase **HF battery charging** on board. Standard paint finish: chassis dark grey RAL 7021/body light grey RAL 7035. Other colours available upon request.

All parts are easy to access for fast and effective maintenance. Lower costs due to AC technology and modular design.





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FEATURES	1.1	Manufacturer			SIMAI S.p.A.
	1.2	Model			TTE15
	1.3	Drive			electric
	1.4	Operator Type			Standing driver
	1.5	Load Capacity	Q	t	-
	1.5.1	Towing Capacity	Q	t	1,5
	1.7	Rated Drawbar pull	F	N	750
	1.9	Wheelbase	Y	mm	650
WEIGHT	2.1	Service weight (w/battery)		Kg	526
	2.2	Axle loading laden front/rear (with operator 80 kg. each)		Kg	292 / 314
	2.3	Axle loading unladen front/rear		Kg	292 / 234
TIRES, CHASSIS	3.1	Tyres:Cushion(Cu),Superelastic(SE), Pneus(Pn) Poliurethane (PE)			SE
	3.2	Tyre size front			300x85
	3.3	Tyre size rear			160x50
	3.5	Wheels nr. Front/Rear (X=motive)			1X/4
	3.6	Tread front	b_{10}	mm	-
	3.7	Tread rear	b_{11}	mm	600
DIMENSIONS	4.7	Height of roof/cabin	h_6	mm	-
	4.8	Seat height	h_7	mm	-
	4.8.1	Step on platform height		mm	195
	4.12	Coupling height	h_{10}	mm	150
	4.13	Loading height (min / MAX)	h_{11}	mm	-
	4.16	Platform length	l_3	mm	-
	4.17	Rear overhang	l_5	mm	227
	4.18	Platform width	b_9	mm	-
	4.19	Overall length	l_1	mm	1100
	4.21	Overall width	b_1	mm	750
	4.32	Ground clearance - centre of wheelbase	m_2	mm	70
	4.35	Turning radius front	Wa	mm	990
	4.35.1	Turning radius rear		mm	710
	4.36	Turning radius inner	b_{13}	mm	302
	4.36.1	Aisle width when turning 90°		mm	1050
PERFORMANCES	5.1	Travel speed laden/unladen		Km/h	9 / 12
	5.5	Drawbar pull laden		N	-
	5.5.1	Drawbar pull unladen		N	750
	5.6	Max. Drawbar pull laden/unladen		N	- / 1600
	5.7	Gradeability laden/unladen		%	3 / 15
	5.8	Max. Gradeability laden/unladen		%	3 / 15
	5.10	Service / Parking brake (I=Hydraulic E=Electromagn. M=Mechanical)			E / E
	5.10.1	Type of service brake front/rear			Electromagnetic/-
MOTOR	6.1	Drive motor rating S2=60 min		kW	2,3
	6.1.1	Hydrauling steering motor rating S2=60 min		kW	-
	6.3	Battery according to DIN 43531 / 35 / 36 A, B, C, no			no
	6.4	Battery voltage	U	V	24
	6.4.1	Battery rated capacity	K_5	Ah	375
	6.5	Battery weigth		Kg	**310**
	6.6	Energy consumption (VDI cycle)		kWh/h	-
OTHER DATA	8.1	Drive Control			Inverter AC
	8.4	Sound level at 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 motor and battery (reported in bold) and with pneumatic tires. Some data can vary according to different equipments.

Simai S.p.A.
Via Civesio, 10 • 20097 S. Donato Milanese (MI) • Italy
T +39 02 5278541 • F +39 02 5278544 • info@simai.it • www.simai.it

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