3-wheel electric tow tractor

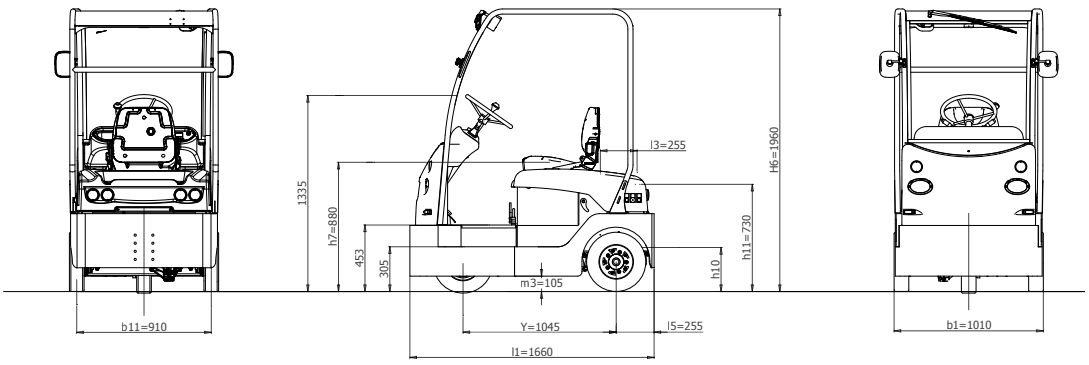
TTE71

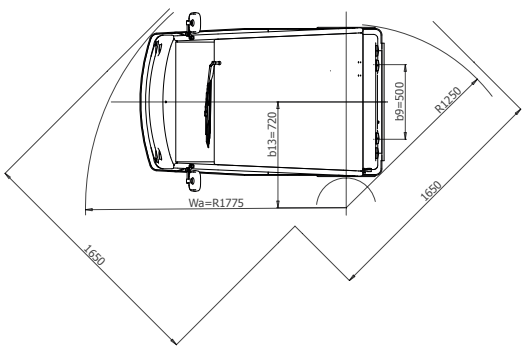
Towing Capacity 7000 kg

3-wheel tow tractor, man on board, with rear-wheel drive. Extremely compact and easy to drive, ideal for all industrial duties - both indoors and outdoors.

- "Shock resistant" **supporting perimeter chassis** ensures maximum exploitation of induction motor torque.
- **Suspensions:** rubberised steel coil spring in the front, rubber silent block in the rear.
- **Drum service brake** acting on 3 wheels with twofold braking system. Electromagnetic parking brake. Preset electrical **braking**, operating automatically when accelerator pedal is released, with first stroke of brake pedal and on reversing direction. Fifth wheel mechanical steering.
- **1 operator on board.** Optimised driving position for maximum comfort and efficiency, low step-on platform for comfortable access as well as user-friendly and ergonomic dashboard.
- **"Man on board" device** with seat occupancy sensor. Available in basic version, with weather protection roof with front windscreen and electric wipers. PVC canvas doors or cab with hinged side doors available.
- **Lighting system:** 2 front lights (position/dipped-beam/main-beam), 2 front turn indicators, 2 rear turn indicators, 2 rear lights (position/brake lights). Horn. Flashing light, reversing light and blue lights available upon request.
- **Digital dashboard** with battery charge indicator, fault detection, speedometer and hour meter. 24 V DC/DC converter for auxiliary services.
- **Induction motor e**quipped with encoder, thermal probes and negative electromagnetic parking brake with manual brake disengage lever.
- **Electronic speed control of AC motor** with energy recovery during deceleration and braking. Several towing hitches available. Rear inching control to ease coupling operations.
- **Battery** DIN 43531A 48 V - available capacity 315Ah, 345Ah and 375Ah. 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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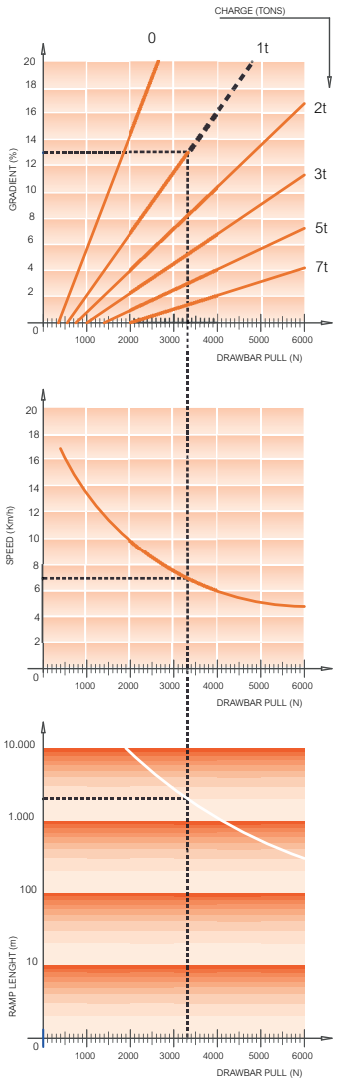
Simai

FEATURES	1.1	Manufacturer			SIMAI S.p.A.
	1.2	Model			TTE71
	1.3	Drive			electric
	1.4	Operator Type			Sitting driver
	1.5	Load Capacity	Q	t	
	1.5.1	Towing Capacity	Q	t	7
	1.7	Rated Drawbar pull	F	N	1550
	1.9	Wheelbase	Y	mm	1045
WEIGHT	2.1	Service weight (w/battery)		Kg	1065
	2.2	Axle loading laden front/rear (with operator 80 kg. each)		Kg	-
	2.3	Axle loading unladen front/rear		Kg	465 / 600
TIRES, CHASSIS	3.1	Tyres:Cushion(Cu),Superelastic(SE), Pneus(Pn) Poliurethane (PE)			SE/PN
	3.2	Tyre size front			4.00-8
	3.3	Tyre size rear			4.00-8
	3.5	Wheels nr. Front/Rear (X=motive)			1/2X
	3.6	Tread front	b_{10}	mm	-
	3.7	Tread rear	b_{11}	mm	910
DIMENSIONS	4.7	Height of roof/cabin	h_6	mm	1960
	4.8	Seat height	h_7	mm	880
	4.8.1	Step on platform height		mm	
	4.12	Coupling height	h_{10}	mm	245 - 300 - 355
	4.13	Loading height (min / MAX)	h_{11}	mm	730
	4.16	Platform length	l_3	mm	255
	4.17	Rear overhang	l_5	mm	
	4.18	Platform width	b_9	mm	650
	4.19	Overall length	l_1	mm	1660
	4.21	Overall width	b_1	mm	1010
	4.32	Ground clearance - centre of wheelbase	m_2	mm	105
	4.35	Turning radius front	Wa	mm	1775
	4.35.1	Turning radius rear		mm	1250
	4.36	Turning radius inner	b_{13}	mm	205
	4.36.1	Aisle width when turning 90°		mm	1650
PERFORMANCES	5.1	Travel speed laden/unladen		Km/h	8,5 / 18
	5.5	Drawbar pull laden		N	-
	5.5.1	Drawbar pull unladen		N	1550
	5.6	Max. Drawbar pull laden/unladen		N	6000
	5.7	Gradeability laden/unladen		%	
	5.8	Max. Gradeability laden/unladen		%	4 / 22
	5.10	Service / Parking brake (I=Hydraulic E=Electromagn. M=Mechanical)			I / E
	5.10.1	Type of service brake front/rear			Drum / Drum
MOTOR	6.1	Drive motor rating S2=60 min		kW	5
	6.1.1	Hydrauling steering motor rating S2=60 min		kW	-
	6.3	Battery according to DIN 43531 / 35 / 36 A, B, C, no			43531 A
	6.4	Battery voltage	U	V	48
	6.4.1	Battery rated capacity	K_5	Ah	315 - 345 - 375
	6.5	Battery weigth		Kg	536 - 550 - 580
	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			-

READING EXAMPLE:
CHARGE = 1 TONS
GRADIENT = 13 %
DRAWBAR PULL = 3300 N
SPEED = 6,2 Km/h
MAX PRACTICABLE RAMP LENGHT = 1500 m



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 normaal 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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