

3-wheel electric tow tractor

TTE40

Towing Capacity 4000 kg

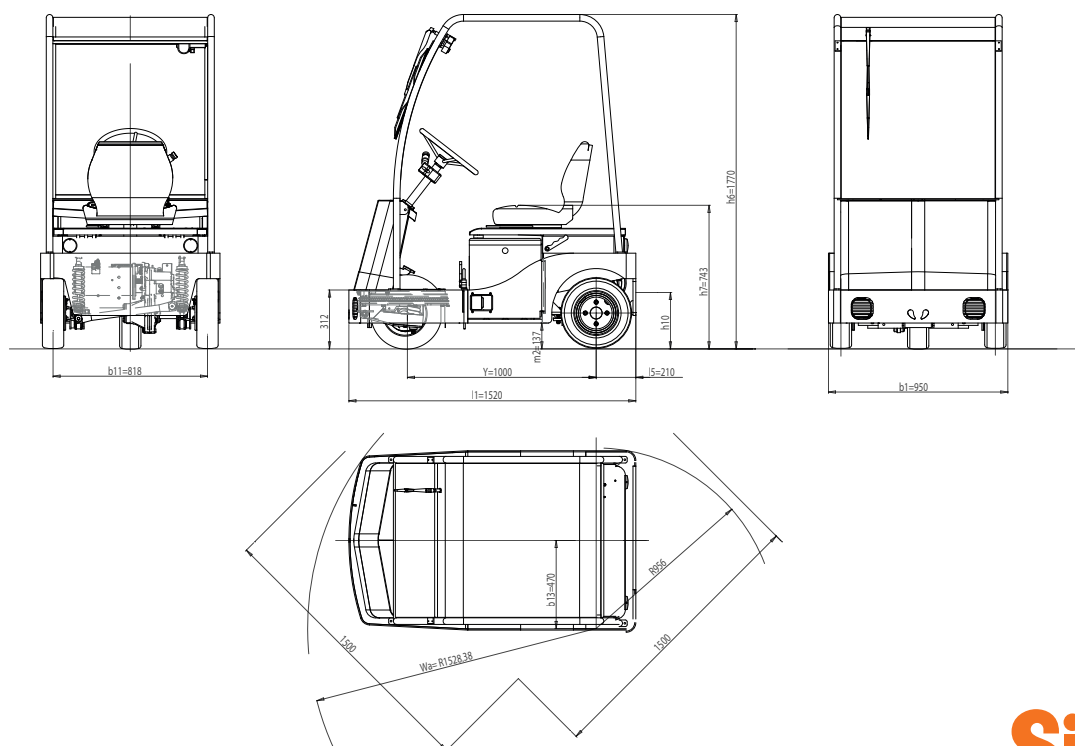


3-wheel tow tractor, man on board, with rear-wheel drive. Extremely compact and easy to drive, ideal for all industrial duties - even outdoors. Height with roof is limited for towing duties in tunnels and height-restricted areas.

- “Shock resistant” **supporting chassis** ensures maximum exploitation of induction motor torque.
- **Suspensions:** front rubberised steel coil spring and shock absorber, rear steel coil springs with shock absorbers.
- **Drum service brake** acting on 3 wheels. 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 available.

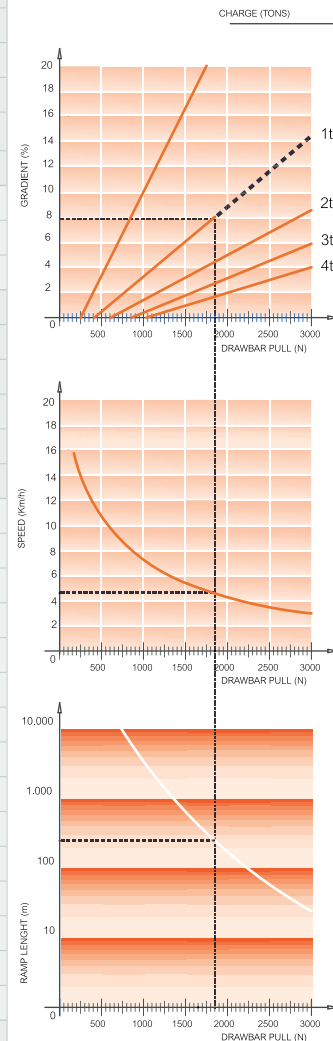
- **Lighting system:** 2 front lights, 2 rear lights (position/brake lights). Horn.
- **Multifunction digital dashboard** with battery charge indicator, fault detection, speedometer and hour meter.
- **Induction motor** equipped with encoder, thermal probes and negative electromagnetic parking brake 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 24 V** - available capacity 240Ah, 300Ah and 360Ah. Fast replacement from the side or above. 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.



FEATURES	1.1	Manufacturer				SIMAI S.p.A.
	1.2	Model				TTE40
	1.3	Drive				Electric
	1.4	Operator Type				Sitting driver
	1.5	Load Capacity	Q	t		-
	1.5.1	Towing Capacity	Q	t		4
	1.7	Rated Drawbar pull	F	N		1000
	1.9	Wheelbase	Y	mm		1000
	WEIGHT	2.1	Service weight (w/battery)			kg
2.2		Axle loading laden front/rear (with operator 80 kg. each)			kg	320 / 470
2.3		Axle loading unladen front/rear			kg	290 / 420
TIRES, CHASSIS	3.1	Tyres:Cushion(Cu),Superelastic(SE), Pneus(Pn) Poliurethane (PE)				SE/Pn
	3.2	Tyre size front				15x4,5-8
	3.3	Tyre size rear				15x4,5-8
	3.5	Wheels nr. Front/Rear (X=motive)				1/2X
	3.6	Tread front	b ₁₀	mm		-
	3.7	Tread rear	b ₁₁	mm		818
DIMENSIONS	4.7	Height of roof/cabin	h ₆	mm		1770
	4.8	Seat height	h ₇	mm		743
	4.8.1	Step on platform height		mm		312
	4.12	Coupling height	h ₁₀	mm		290 - 345 - 400
	4.13	Loading height (min / MAX)	h ₁₁	mm		-
	4.16	Platform length	l ₃	mm		-
	4.17	Rear overhang	l ₅	mm		210
	4.18	Platform width	b ₉	mm		-
	4.19	Overall length	l ₁	mm		1520
	4.21	Overall width	b ₁	mm		950
	4.32	Ground clearance - centre of wheelbase	m ₂	mm		137
	4.35	Turning radius front	Wa	mm		1528
	4.35.1	Turning radius rear		mm		956
	4.36	Turning radius inner	b ₁₃	mm		470
	4.36.1	Aisle width when turning 90°		mm		1500
PERFORMANCES	5.1	Travel speed laden/unladen			Km/h	7 / 15
	5.5	Drawbar pull laden			N	-
	5.5.1	Drawbar pull unladen			N	1000
	5.6	Max. Drawbar pull laden/unladen			N	- / 3200
	5.7	Gradeability laden/unladen			%	See chart
	5.8	Max. Gradeability laden/unladen			%	See chart
	5.10	Service / Parking brake (I=Hydraulic E=Electromagn. M=Mechanical)				I / E
	5.10.1	Type of service brake front/rear				- / drum
MOTOR	6.1	Drive motor rating S2=60 min			kW	2
	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		240 - 300 - 360
	6.5	Battery weight		kg		300 - 320 - 340
	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 = 8 %
 DRAWBAR PULL = 1850 N
 SPEED = 4,8 Km/h
 MAX PRACTICABLE RAMP LENGHT = 250 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 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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