



Electric Tow Tractor TTE 80 Towing Capacity 8000 kg

The "bridge" loading chassis is realised with high thickness plates, laser cut and electro-welded, allowing to have the best exploitation of the high torque performances of the AC motor.

Available with side or vertical battery's extraction

Complete instrumentation on adjustable steering column: key switch, digital dashboard (including hour counter, battery charge indicator, speedometer, check control for immediate detection of any fault or breakdown), lights selector, turn indicators, gear selector.

Lights: 1 front headlight, rear LED tail and stop lights. Flashing beacon available as option

Available in basic version or as an option with weather protection roof, with soft plastic PVC doors or with fully enclosed cabin with sliding doors.

Available with manual simple towing hitch, 3-positions manual towing hitch, towing hitch with automatic engaging or towing hitch with automatic engaging and disengaging from driving place (mechanical)

Rear inching control to ease coupling operations.

Fore and rear suspensions with rubberised steel helical springs

Steering wheel: same dimension as the rear ones, mounted on a big diameter fifth wheel.

Rear axle: forms a unit with the motor-transmission, mounted parallel to the axis of the rear wheels, it is connected to the chassis with rubber silent-blocks.

AC motor, brushless, closed execution with external venting system. equipped with an encoder, a thermal probe and an electromagnetic brake with manual unlock device.

Speed control through a three-phase microprocessor inverter with regenerative braking. Programming interface (supplied separately).

"Man on board" device, under the seat or, on request, pedal controlled.

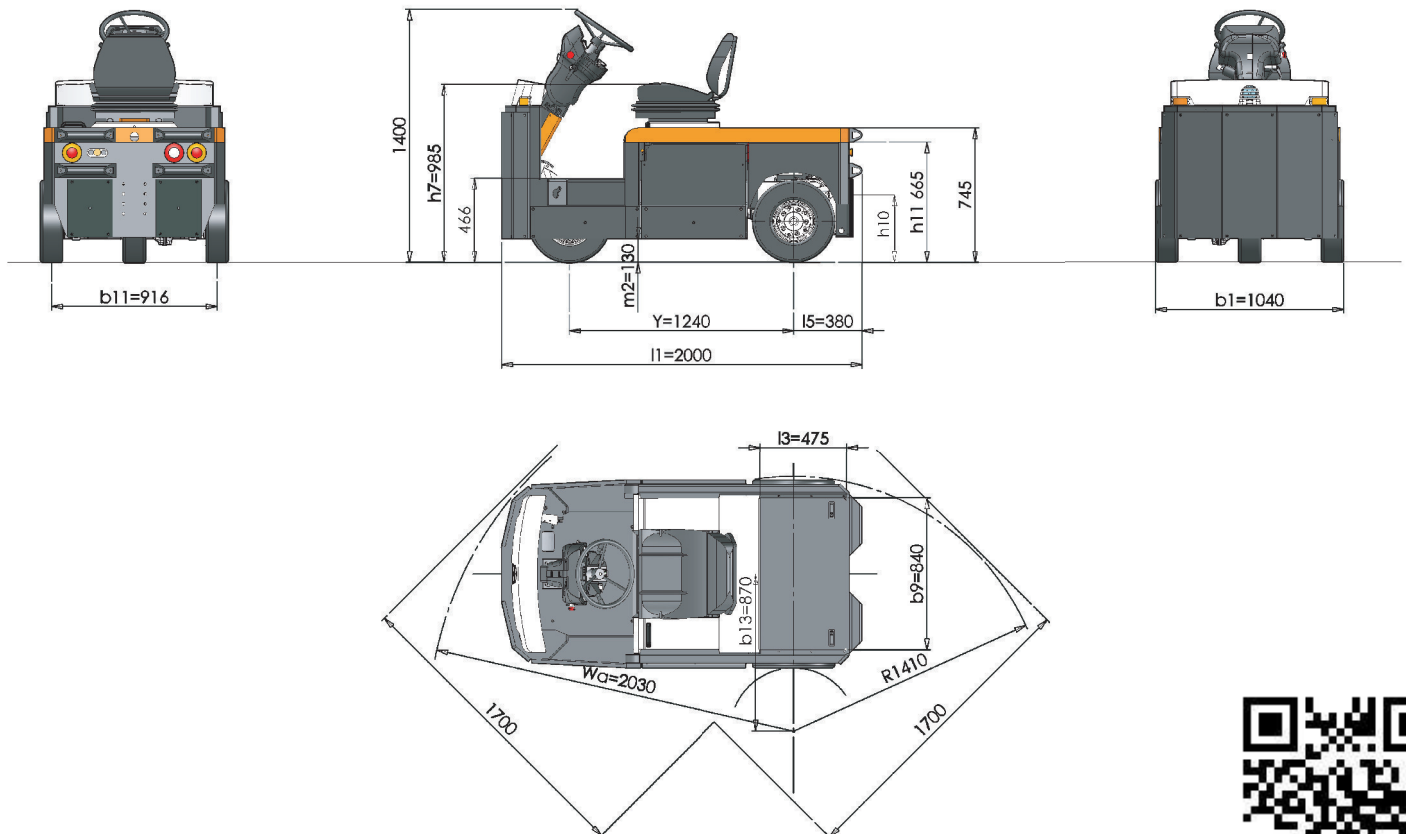
Automotive-like service brake, with brake pedal and pump casing, acting on all 3 wheels with drums.

Electric braking, preset, operating automatically when accelerator pedal is released, with brake pedal's first stroke and on reversing direction.

Parking and emergency brake, electromagnetic with electronic control: the brake is normally engaged when the unit is parked.

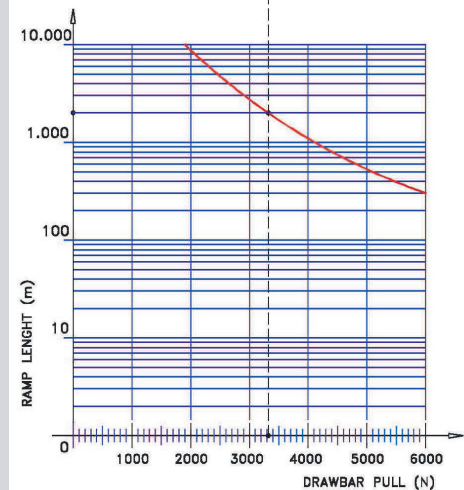
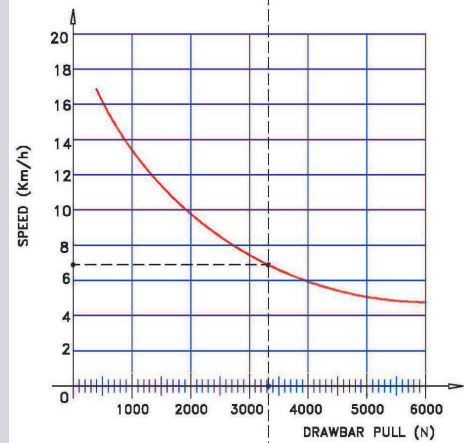
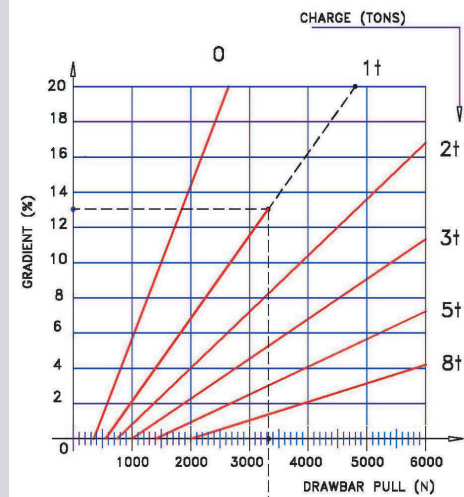
Standard painting: RAL 7021/7035 grey; other colours available upon request (option).

All SIMAI units are manufactured and certified in compliance with the Machine Directive and bear the CE mark.



FEATURES				SIMAI S.p.A.	
1.1	Manufacturer				SIMAI S.p.A.
1.2	Model				TTE80
1.3	Drive				Electric
1.4	Operator type				Sitting driver
1.5	Load capacity	Q	t		0,1
1.5.1	Towing capacity	Q	t		8
1.7	Rated drawbar pull	F	N		1650
1.9	Wheelbase	Y	mm		1240
WEIGHT					
2.1	Service weight (with battery)		Kg		1340
2.2	Axle loading laden fore/rear (w/operator 80 kg each)		Kg		640 / 880
2.3	Axle loading unladen fore/rear		Kg		587 / 753
TIRES, CHASSIS					
3.1	Tires: Cushion(Cu),Extra-elastic(SE),Pneumatic(Pn),Polyurethane(PE)				SE/Pn
3.2	Tire size fore				5.00-8
3.3	Tire size rear				5.00-8
3.5	Wheels, number fore/rear (X=motive)				1/2X
3.6	Tread, front	b ₁₀	mm		-
3.7	Tread, rear	b ₁₁	mm		916
DIMENSIONS					
4.7	Height of roof/cabin	h ₆	mm		2000
4.8	Seat height	h ₇	mm		985
4.8.1	Step-on platform's height		mm		466
4.12	Coupling height	h ₁₀	mm		300 - 355 - 410
4.13	Loading height (min/max)	h ₁₁	mm		665
4.16	Platform lenght	l ₃	mm		475
4.17	Rear overhang	l ₅	mm		380
4.18	Platform width	b ₉	mm		840
4.19	Overall lenght	l ₁	mm		2000
4.21	Overall width	b ₁	mm		1040
4.32	Ground clearance, centre of wheelbase	m ₂	mm		130
4.35	Turning radius, fore	Wa	mm		2030
4.35.1	Turning radius, rear		mm		1410
4.36	Turning radius, inner	b ₁₃	mm		870
4.36.1	Aisle width when turning 90°		mm		1700
PERFORMANCES					
5.1	Travel speed, laden/unladen		Km/h		9 / 16
5.5	Drawbar pull, laden		N		-
5.5.1	Drawbar pull, unladen		N		1650
5.6	Max. drawbar pull laden/unladen		N		- / 5800
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 / drum
MOTOR					
6.1	Drive motor rating S2 60 min		kW		5
6.1.1	Hydraulic steering motor rating S2 60 min		kW		-
6.3	Battery acc. to DIN 43531 /35 /36 A, B, C, no				no
6.4	Battery voltage	U	V		48
6.4.1	Battery rated capacity	K5	Ah		320
6.5	Battery weight		Kg		560
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				-

READING EXAMPLE:
 CHARGE = 1 TONS
 GRADIENT = 13 %
 DRAWBAR PULL = 3330 N
 SPEED = 7 Km/h
 MAX PRACTICABLE RAMP LENGTH = 2000 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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