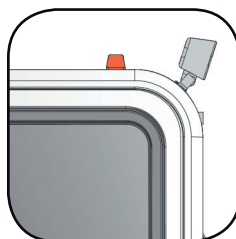


Electric towing tractor 50.0 ton

Simai

Four wheel-series

TE500RR



Electric towing tractor 50.0 ton

Truck specifications					TE500RR
Identification	1.1	Manufacturer			Simai S.p.A
	1.2	Model			TE500RR
	1.3	Drive			Electric
	1.4	Operator type			Sit-on
	1.5	Load capacity/rated load ¹⁾	Q	kg	50000
	1.7	Rated drawbar pull	F	N	10000
	1.9	Wheelbase	y	mm	1820
Weight	2.1	Service weight		kg	6500
	2.2	Axle load, with load, front/rear		kg	3160 / 3700
	2.3	Axle load, without load, front/rear		kg	3000 / 3500
Tyres	3.1	Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn),Polyurethane			SE/Pn
	3.2	Tyre - size, front			6.50-10
	3.3	Tyre - size, rear			250-15
	3.5	Wheels, number front/rear (x = driven wheels)			2/2X
	3.6	Track width, front	b ₁₀	mm	1170
	3.7	Track width, rear	b ₁₁	mm	1290
Dimensions	4.7	Height of cab	h ₆	mm	1820
	4.8	Seat height	h ₇	mm	820
	4.12	Coupling height	h ₁₀	mm	345 - 425 - 505 - 585
	4.13	Loading height, unloaded	h ₁₁	mm	900
	4.16	Length of loading surface	l ₃	mm	840
	4.17	Overhang	l ₅	mm	515
	4.18	Width of loading surface	b ₉	mm	1290
	4.19	Overall length	l ₁	mm	3350
	4.21	Overall width	b ₁	mm	1500
	4.32	Ground clearance, centre of wheelbase	m ₂	mm	190
	4.35	Turning radius	W _a	mm	3490
	4.36	Internal turning radius	b ₁₃	mm	1450
Performance data	5.1	Travel speed, with/without load		km/h	7 / 16
	5.6	Max. drawbar pull		N	29000
	5.7	Gradeability		%	see chart
	5.8	Max. gradeability loaded/unloaded		%	see chart
	5.10	Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical)			I / M
Electric motor	6.1	Drive motor rating S2 60 min		kW	28
	6.4	Battery voltage, nominal capacity ²⁾	K ₅	V/Ah	80/ 840 - 930
	6.5	Battery weight		kg	2200 - 2300
	6.6	Energy consumption according to VDI cycle ³⁾		kWh/h	
Others	8.1	Electronics control			Inverter AC
	8.4	Sound level at driver's ear according to EN 12053		dB(A)	69

¹⁾ Loading surface capacity: 200 kg

²⁾ Performances and weight are intended with 840 Ah battery.

³⁾ Contact the supplier for information.

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

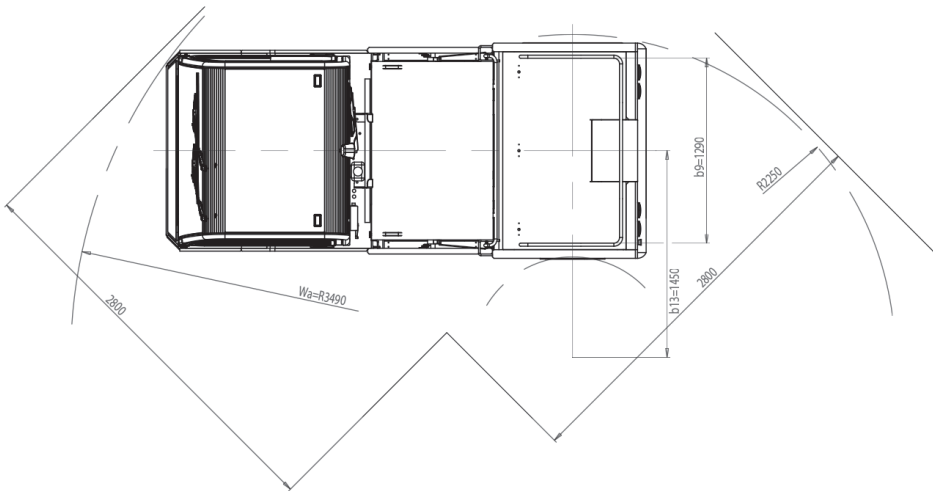
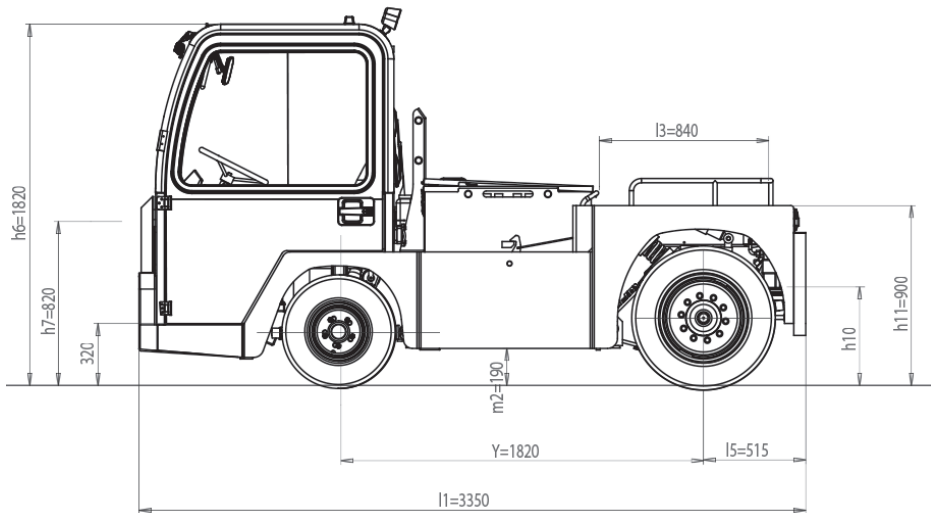
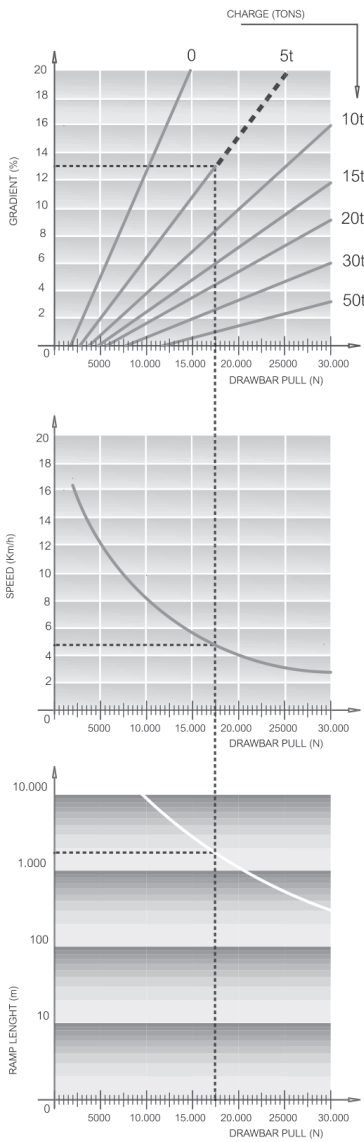
Dimensions are not binding and can be changed in any moment. The performances must be intended for brand new machines, after having completed the running-in tested in San Donato Milanese factory in normal climatic conditions.

Performances and weight are to be intended with standard motors and battery and with pneumatic tires.

Some data can vary according to different equipments.

Towed weight

GRADIENT = 13 %
DRAWBAR PULL = 17.500 N
SPEED = 4,8 Km/h
MAX PRACTICABLE RAMP LENGHT = 1600 m



Standard equipments:

- Inching buttons
- Operator presence system
- AC power system
- Pneumatic tyres
- Rear drawbar
- Mechanical parking brake
- Regenerative braking
- Head and tail lights, turn signal lights
- Digital display
- Rear platform

