

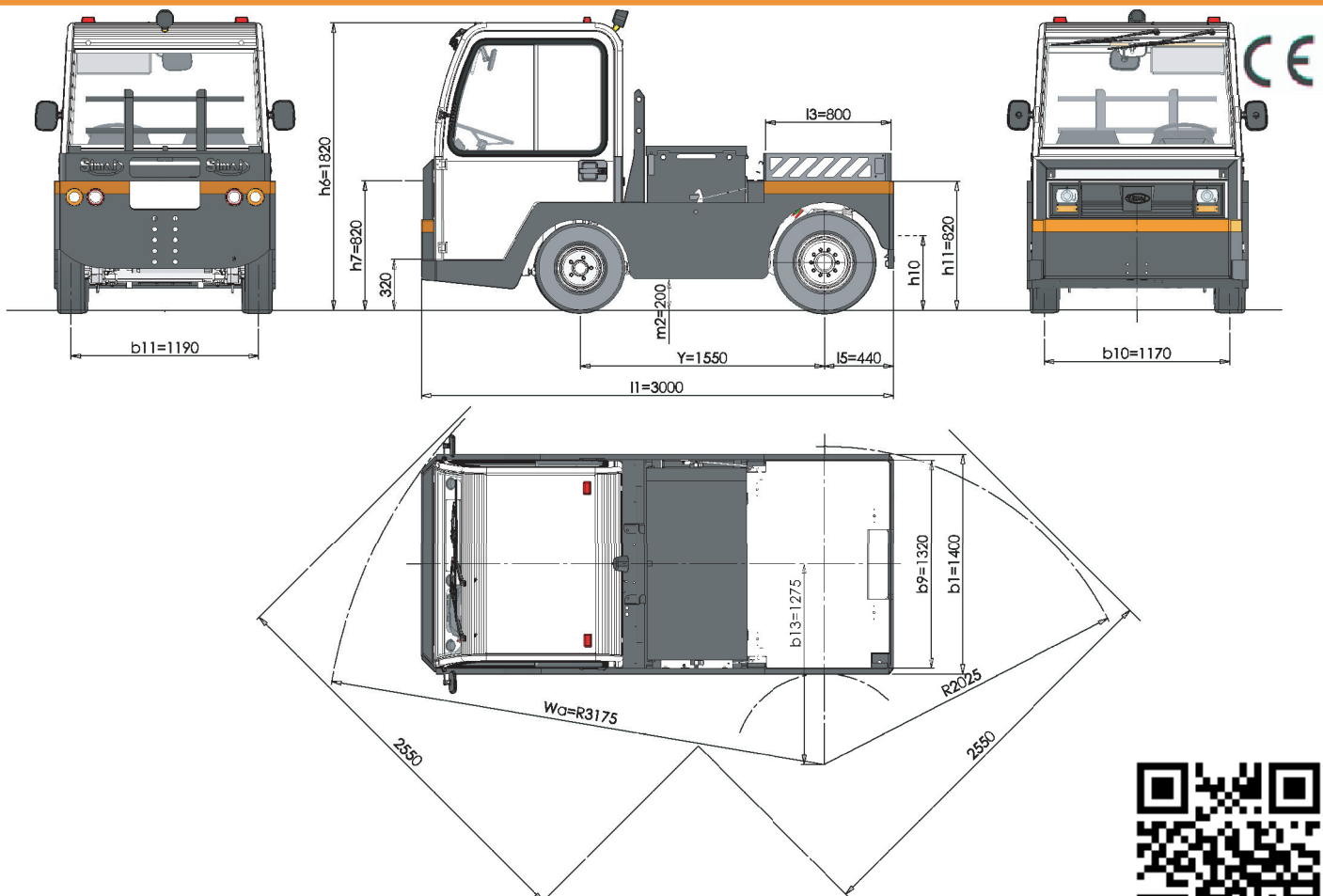


Electric Tow Tractor TE 250 RR Towing Capacity 25000 kg



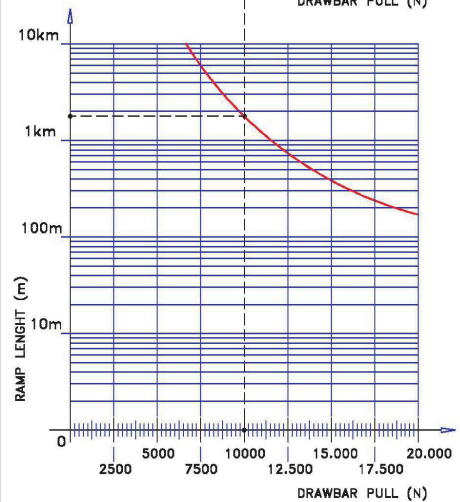
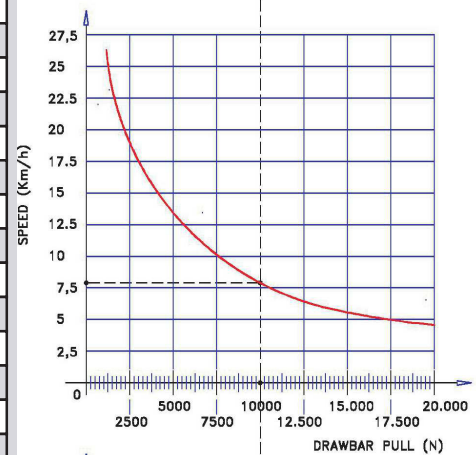
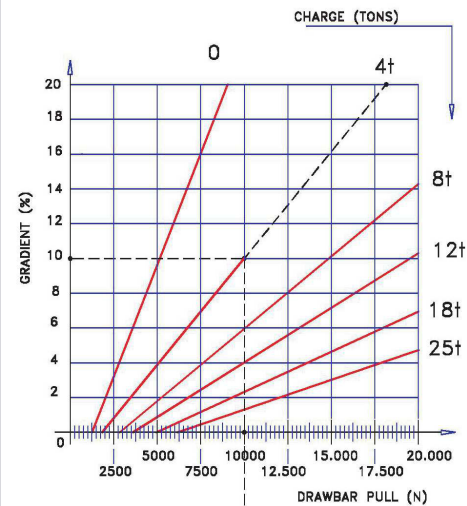
Heavy-duty high-performance and long-range truck, for continuous service. The driver's seat is located forward and ensures high front and rear visibility under maximum towing conditions and improve stability.

- The shock-resistant supporting type chassis in thick oxygen-lance cut plate increases grip and allows for maximum exploitation of the motor's torque.
- Available with weather protection roof, with soft plastic PVC doors or with fully enclosed cabin with banging or 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 or electro-hydraulic)
- Rear inching control to ease coupling operations.
- The battery box, equipped with an automatic coupling device, is located behind of the cabin.
- A small platform is located behind the battery.
- High-performance hollow-shaft electric AC motor, integrated in the driveline via cascade reduction gears and epicyclic reduction gears on the wheels. Speed measurement via gear sensor.
- Speed control through a three-phase microprocessor inverter with regenerative braking. Programming interface (supplied separately).
- "Man on board" device under the seat or, upon request, with pedal.
- Standard hydraulic steering.
- Front and rear steel helical spring suspensions with shock absorbers and stabilizer bar.
- Service brake with pedal and double pump casing, acting on all 4 wheels with double circuit. Front disk brakes with 4-cylinder callipers and easy-to-access oil bath rear multiple disks braks.
- Mechanical lever-type parking and emergency brake. Negative parking brake also available on request.
- 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 switch, turn indicators, handbrake warning light, rear control consent for slow approach.
- Complete automotive-like shockproof lights. Rear LED lights. Anticollision lights. Flashing beacon available as option
- 24 V secondary circuit, from battery with DC/DC converter.
- Standard painting: grey RAL 7021/7035; upon request, other colors available.
- 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			TE250RR	
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	25	
1.7	Rated drawbar pull	F	N	6000	
1.9	Wheelbase	Y	mm	1550	
WEIGHT					
2.1	Service weight (with battery)		Kg	3593	
2.2	Axle loading laden fore/rear (w/operator 80 kg each)		Kg	2144 / 1709	
2.3	Axle loading unladen fore/rear		Kg	1984 / 1609	
TIRES, CHASSIS					
3.1	Tires: Cushion(Cu),Extra-elastic(SE),Pneumatic(Pn),Polyurethane(PE)			SE/Pn	
3.2	Tire size fore			6.50-10	
3.3	Tire size rear			7.00-12	
3.5	Wheels, number fore/rear (X=motive)			2/2X	
3.6	Tread, front	b ₁₀	mm	1170	
3.7	Tread, rear	b ₁₁	mm	1190	
DIMENSIONS					
4.7	Height of roof/cabin	h ₆	mm	1820	
4.8	Seat height	h ₇	mm	820	
4.8.1	Step-on platform's height		mm	320	
4.12	Coupling height	h ₁₀	mm	310 - 380 - 450 - 520	
4.13	Loading height (min/max)	h ₁₁	mm	820	
4.16	Platform lenght	l ₃	mm	800	
4.17	Rear overhang	l ₅	mm	440	
4.18	Platform width	b ₉	mm	1320	
4.19	Overall lenght	l ₁	mm	3000	
4.21	Overall width	b ₁	mm	1400	
4.32	Ground clearance, centre of wheelbase	m ₂	mm	200	
4.35	Turning radius, fore	Wa	mm	3175	
4.35.1	Turning radius, rear		mm	2025	
4.36	Turning radius, inner	b ₁₃	mm	1275	
4.36.1	Aisle width when turning 90°		mm	2550	
PERFORMANCES					
5.1	Travel speed, laden/unladen		Km/h	12 / 25	
5.5	Drawbar pull, laden		N	-	
5.5.1	Drawbar pull, unladen		N	6000	
5.6	Max. drawbar pull laden/unladen		N	- / 19000	
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 / M	
5.10.1	Type of service brake fore/rear			disk / multip. disks	
MOTOR					
6.1	Drive motor rating S2 60 min		kW	20	
6.1.1	Hydraulic steering motor rating S2 60 min		kW	1	
6.3	Battery acc. to DIN 43531 /35 /36 A, B, C, no			no	
6.4	Battery voltage	U	V	80	
6.4.1	Battery rated capacity	K5	Ah	500 - 560 - 620	
6.5	Battery weight		Kg	1300 - 1430 - 1565	
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 = 4 TONS
 GRADIENT = 10 %
 DRAWBAR PULL = 10.000 N
 SPEED = 8 Km/h
 MAX PRACTICABLE RAMP LENGHT = 1800 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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