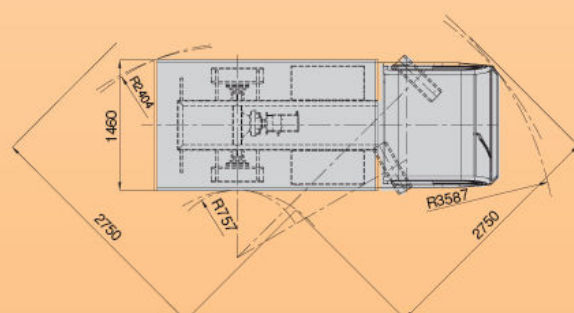
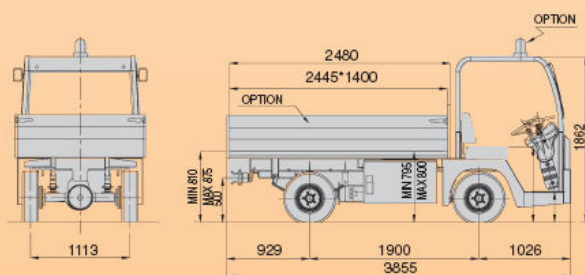
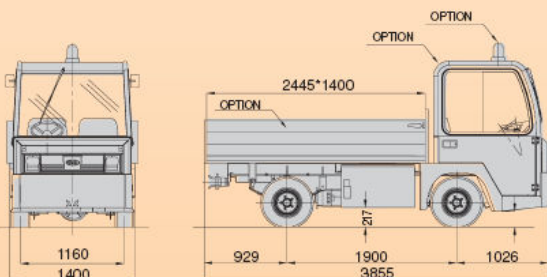
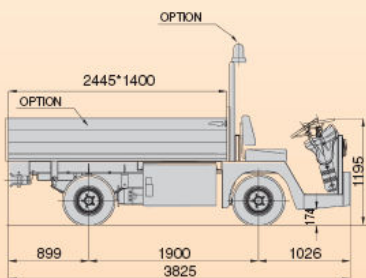
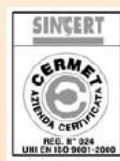




ELECTRIC CARRIER PE 20 AC

CARRYING CAPACITY Kg. 2000



PLATFORM TRUCK PE 20 AC

This compact, easy-to-drive and stout truck, with standard power steering, is the ideal solution for transport both inside or outside on medium/long distances. The “pick-up” loading chassis is normally supplied with a standard steel plate and resin-bonded phenolic multiply wood platform, but it is ready to be completed with different and customised equipments. Tilting sideboards are available. PE 20 AC is equipped with fore air springs Tropress type and aahock absorbers and rear axle with half-elliptic springs.

Complete instrumentation: circuit lock key, hour counter, battery charge indicator, check control for immediate detection of any fault or breakdown, lights switch, turn indicators, power steering motor brush wear pilot light, DC/DC converter malfunction warning light (optional: electrolyte level gauge – Level Check)

Lights complete, automobile type.

Secondary circuit, 24 V, from battery with DC/DC converter.

The PE 20 AC truck is available in the standard version, with **open cabin for bad weather protection**, and perimetral plastic protection, double hinge-opening, or with **fully enclosed cabin** with two side doors and rear view mirrors. Both cabins are equipped with glass windshield to approved standards and electrically operated wipers.

Towing hook available on request.

Front axle: mounted on swinging arm, with rubber support, elastically attached to the frame by airsprings Tropress type, shock absorbers and stabiliser.

Rear axle: forms a unit with the motor/drive, elastically attached to the frame by means of half-elliptic springs.

AC motor, brush-less, closed execution with external ventilation system. Equipped with an encoder, a thermal sound

Speed control through a three-phase microprocessor inverter with regenerative braking. Programmer interface (not delivered with the unit).

“Man on board” device, with pedal or, on request, under seat.

Service brake with brake pedal and double pump casing, acting on all 4 wheels (rear drums, fore disks).

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

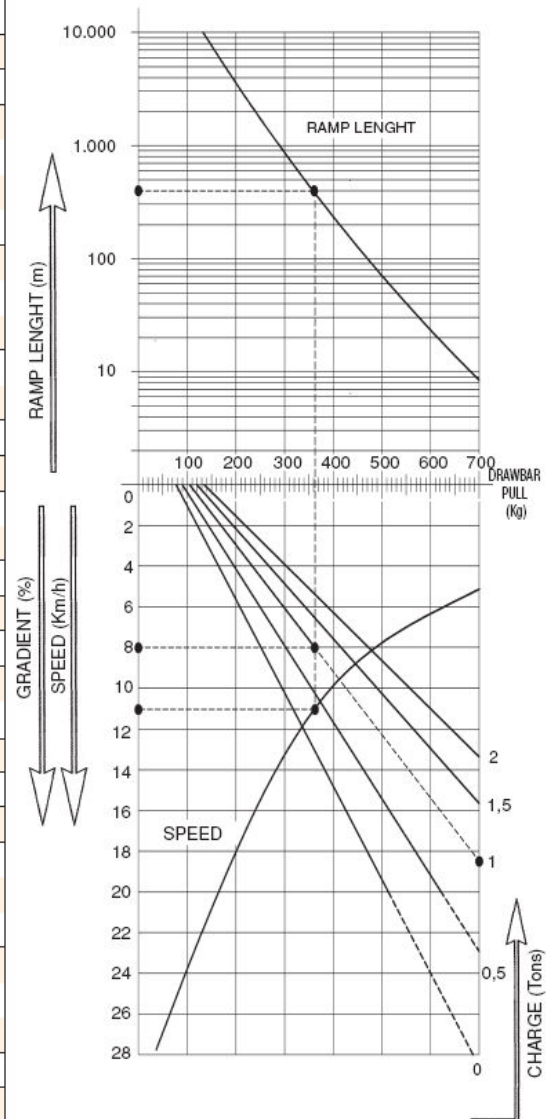
Parking and emergency brake, mechanical type.

Standard paint finish: RAL 7021/7035 grey; upon request, other colours available (optional).

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

FEATURES	1	Manufacturer	SIMAI SpA	
	2	Model	PE 20 AC	
	3	Carrying capacity	t	2
	4	Power supply	ELECTRIC	
	5	Type of control	SITTING DRIVER	
	6	Tyre equipment	PN= Pneumatic SE=Superelastic	PN/SE
	7	Wheels	front/rear nr X-motive wheels	2/2X
	8	Standard platform size	length x width	mm. 2445x1400
DIMENSIONS	9	Platform height	min-max	mm. 810-875
	10		length	mm. 3825
	11	Overall dimension	width	mm. 1400
	12		height	mm. 1862
	13		height steering wheel	mm. 1195
	14	Turning radius	R1 front	mm. 3587
	15		R2 rear	mm. 2404
	16		R3 inner	mm. 757
	17	Aisle width	L1 fore 90°	mm. 2750
	18		L2 rear 90°	mm. 2750
PERFORMANCES	19	Wheelbase	mm. 1900	
	20	Track	front/rear	mm. 1160/1113
	21	Ground Clearance	laden lowest point	mm. 174
	22		centre	mm. 217
	23	Speed	travel unladen/laden	Km/h. 25/20
	24	Drawbar pull	per hour	Kg. 100
	25	Max Drawbar pull	acceleration	Kg. 700
	26	Gradeability	max unladen	
	27		max laden	see the chart
	28	Autonomy	50% unladen 50% laden	Km. 55
TRANSMISSION	29	Weight unladen	standard battery included	Kg. 2200
	30	Axle loading	front/rear	Kg. 1700/2500
	31		front/rear	n° 2/2
	32	Tyre equipment	dimensions front	6.50.10
	33		dimensions rear	6.50.10
	34	Brakers	service - parking	FOOT/MAN.
	35		mech. (M) hydraulic (l) electr. (E)	VM
	36	Suspensions	type	DRUM
	37		axle front/rear	AIR/LEAF SPRINGS
	38	Battery	Volt/Amper hour	V/Ah. 48/400-480
39		Weight	Kg. 670-764	
40	Motor	type	ARMOURED	
41		drive: power rate S2=60'	KW 7,5 AC	
42		hydr. steering: power rate S2=60'	KW 1,2	
43	Speed control	type	INVERTER	
44		nr. gear speed forward/reverse	1-1	
45	Trasmission	type	RED. GEAR	

CHART PE 20 AC



READING EXAMPLE

C CHARGE = 1 TONS
 G GRADIENT = 8%
 S SPEED = 11 Km/h
 R MAX PRACTICABLE RAMP LENGHT = 400 m
 DRAWBAR PULL = 362 Kg

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 Milan Factory in normal climatic conditions. Performances and weight are to be intended with standard motors and battery (reported in bold) and with pneumatic tyres. Some data can vary according to different equipments.