

# Electric platform truck 1.5 ton

## Simai

*Four wheel-series*

PE15.1



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Truck specifications					PE15.1
Identification	1.1	Manufacturer			Simai S.p.A
	1.2	Model			PE15.1
	1.3	Drive			Electric
	1.4	Operator type			Sit-on
	1.5	Load capacity/rated load	Q	kg	1500
	1.5.1	Towing capacity	Q	t	10000
	1.7	Rated drawbar pull	F	N	2200
	1.9	Wheelbase	y	mm	1900
Weight	2.1	Service weight		kg	1645
	2.2	Axle load, with load, front/rear		kg	1000 / 2220
	2.3	Axle load, without load, front/rear		kg	925 / 720
Tyres	3.1	Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn),Polyurethane			SE/Pn
	3.2	Tyre - size, front			4.00-8
	3.3	Tyre - size, rear			18*7-8
	3.5	Wheels, number front/rear (x = driven wheels)			2/2X
	3.6	Track width, front	b <sub>10</sub>	mm	845
	3.7	Track width, rear	b <sub>11</sub>	mm	884
Dimensions	4.7	Height of cab	h <sub>6</sub>	mm	2020
	4.8	Seat height	h <sub>7</sub>	mm	990
	4.8.1	Step on platform height		mm	480
	4.12	Coupling height	h <sub>10</sub>	mm	410
	4.13	Loading height	h <sub>11</sub>	mm	550
	4.16	Length of loading surface	l <sub>3</sub>	mm	1700
	4.17	Overhang	l <sub>5</sub>	mm	850
	4.18	Width of loading surface	b <sub>9</sub>	mm	1100
	4.19	Overall length	l <sub>1</sub>	mm	3065
	4.21	Overall width	b <sub>1</sub>	mm	1160
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	120
	4.35	Turning radius front	W <sub>a</sub>	mm	2850
	4.35.1	Turning radius rear		mm	2100
	4.36	Internal turning radius	b <sub>13</sub>	mm	1300
4.36.1	Aisle width when turning 90°		mm	2180	
Performance data	5.1	Travel speed, with/without load		km/h	15 / 18
	5.6	Max. drawbar pull		N	8000
	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 / E
Electric motor	6.1	Drive motor rating S2 60 min		kW	2 X 6,6
	6.3	Battery according to DIN 43531			43531 A
	6.4	Battery voltage, nominal capacity <sup>1)</sup>	K <sub>5</sub>	V/Ah	48/ 420 - 460 - 500
	6.5	Battery weight		kg	667 - 700 - 731
	6.6	Energy consumption according to VDI cycle <sup>2)</sup>		kWh/h	
	Others	8.1	Electronics control		
8.4		Sound level at driver's ear according to EN 12053		dB(A)	69

<sup>1)</sup> Performances and weight are intended with 500 Ah battery.

<sup>2)</sup> Contact the supplier for information.

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

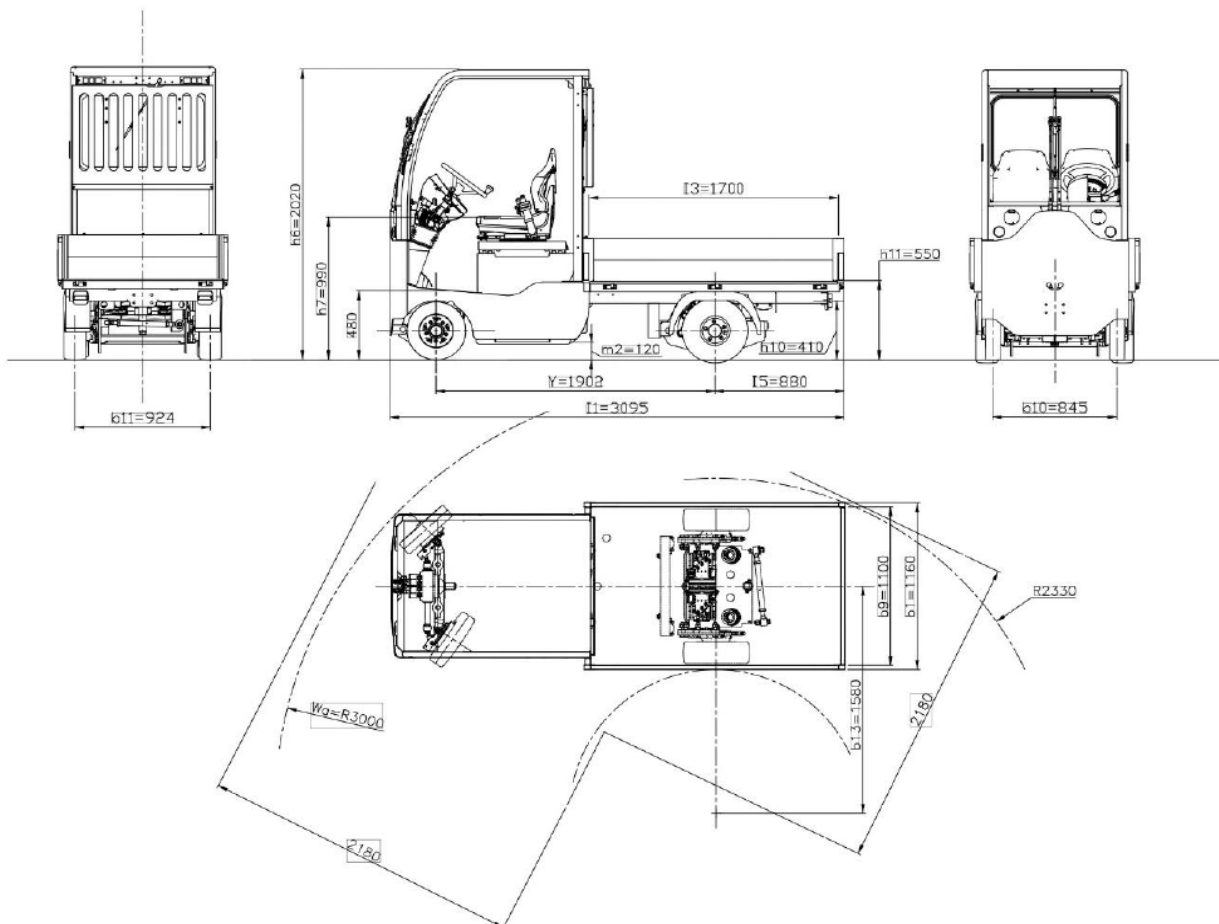
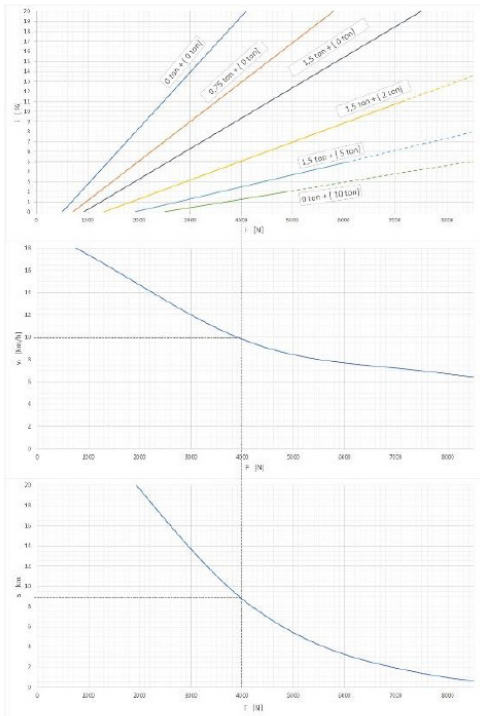
Dimensions are not binding and can be changed in any moment. The performances must be intended for brand new machines, after having completed the running-in tested in San Donato Milanese factory in normal climatic conditions.

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

READING EXAMPLE  
 LOADING CAPACITY + TRAILED  
 LOAD = 1.5 tons + [2 ton]  
 GRADIENT (i) = 5 %  
 DRAWBALL PULL (F) = 4000 N  
 SPEED (V0) = 10 (km/h)  
 MAX PRACTICABLE RAMP LENGTH (s) = 9 km



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## Standard equipments:

- AC power system
- Hydraulic steering
- Pneumatic tyres
- Automatic parking brake
- Regenerative braking
- Head and tail lights, turn signal lights
- Digital display

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