

TE80

Specifications						TE80
Identification	1.1	Manufacturer				Simai S.p.A
	1.2	Model				TE80
	1.3	Drive				Electric
	1.4	Operator type				Sit-on
	1.5	Load capacity/rated load ¹⁾	Q	kg		8000
	1.7	Rated drawbar pull	F	N		1900
	1.9	Wheelbase	y	mm		975
Weight	2.1	Service weight		kg		1229
	2.2	Axle load, with load, front/rear		kg		614 / 795
	2.3	Axle load, without load, front/rear		kg		585 / 645
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				4.00-8
	3.5	Wheels, number front/rear (x = driven wheels)				2/2X
	3.6	Track width, front	b ₁₀	mm		810
	3.7	Track width, rear	b ₁₁	mm		912
Dimensions	4.7	Height of cab	h ₆	mm		2019
	4.8	Seat height	h ₇	mm		1010
	4.12	Coupling height	h ₁₀	mm		265 - 320 - 375
	4.13	Loading height, unloaded	h ₁₁	mm		600
	4.16	Length of loading surface	l ₃	mm		350
	4.17	Overhang	l ₅	mm		258
	4.18	Width of loading surface	b ₉	mm		650
	4.19	Overall length	l ₁	mm		1595
	4.21	Overall width	b ₁	mm		1000
	4.32	Ground clearance, centre of wheelbase	m ₂	mm		105
	4.35	Turning radius	W _a	mm		1910
	4.36	Internal turning radius	b ₁₃	mm		930
Performance data	5.1	Travel speed, with/without load		km/h		9 / 16
	5.6	Max. drawbar pull		N		6200
	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		5
	6.4	Battery voltage, nominal capacity ²⁾	K ₅	V/Ah		48/315, 345, 375
	6.5	Battery weight		kg		536 - 550 - 580
	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: 100 kg.

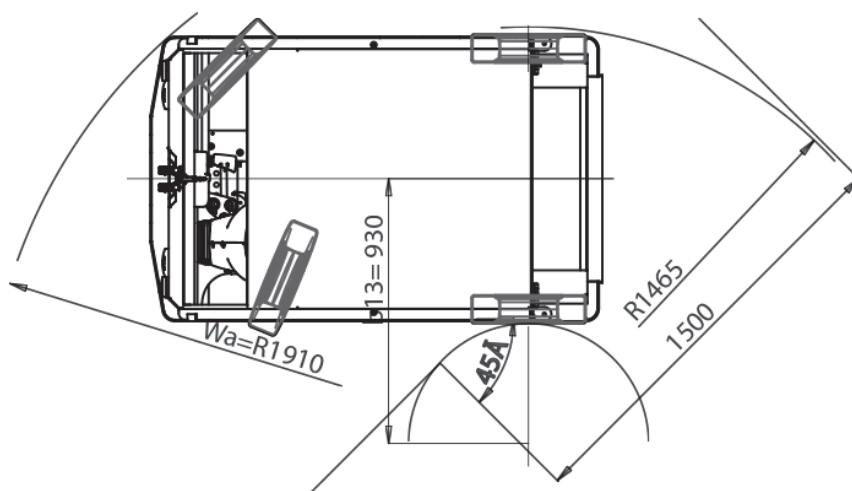
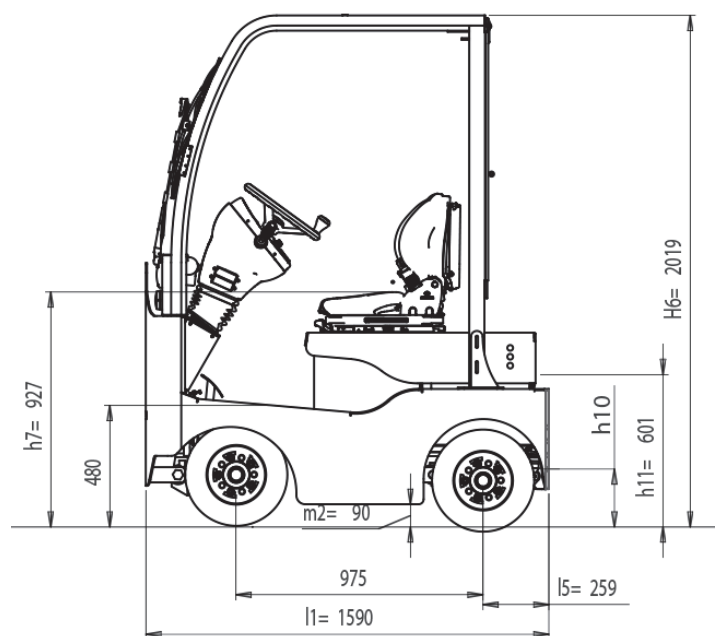
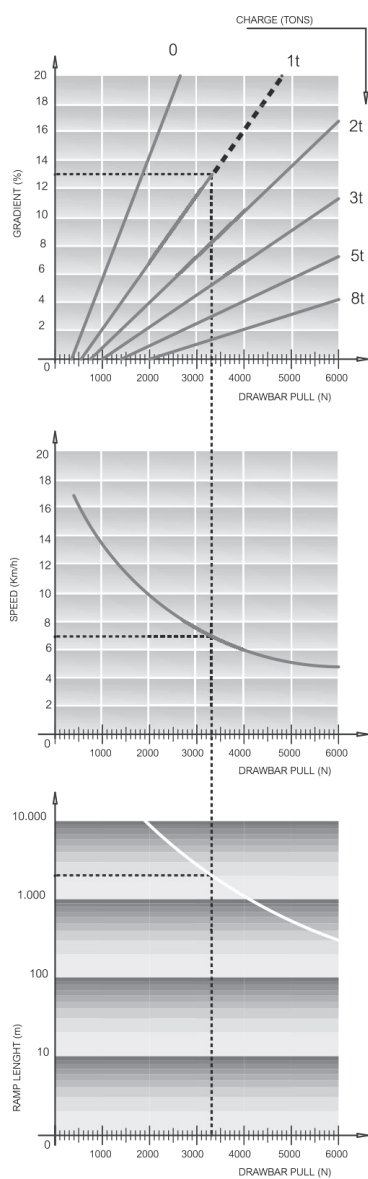
¹⁾ Performances and weight are intended with 375 Ah battery.

²⁾ Contact the supplier for information.

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

Towed weight

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



TE80IXB

Specifications						TE80IXB
Identification	1.1	Manufacturer				Simai S.p.A
	1.2	Model				TE80IXB
	1.3	Drive				Electric
	1.4	Operator type				Sit-on
	1.5	Load capacity/rated load ¹⁾	Q	kg		8000
	1.7	Rated drawbar pull	F	N		1900
	1.9	Wheelbase	y	mm		1070
Weight	2.1	Service weight		kg		1255
	2.2	Axle load, with load, front/rear		kg		745 / 690
	2.3	Axle load, without load, front/rear		kg		650 / 605
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				4.00-8
	3.5	Wheels, number front/rear (x = driven wheels)				2/2X
	3.6	Track width, front	b ₁₀	mm		810
	3.7	Track width, rear	b ₁₁	mm		912
Dimensions	4.7	Height of cab	h ₆	mm		1830
	4.8	Seat height	h ₇	mm		780
	4.12	Coupling height	h ₁₀	mm		265 - 320 - 375
	4.13	Loading height, unloaded	h ₁₁	mm		600
	4.16	Length of loading surface	l ₃	mm		350
	4.17	Overhang	l ₅	mm		255
	4.18	Width of loading surface	b ₉	mm		650
	4.19	Overall length	l ₁	mm		2250
	4.21	Overall width	b ₁	mm		1000
	4.32	Ground clearance, centre of wheelbase	m ₂	mm		105
	4.35	Turning radius	W _a	mm		2440
	4.36	Internal turning radius	b ₁₃	mm		980
Performance data	5.1	Travel speed, with/without load		km/h		9 / 16
	5.6	Max. drawbar pull		N		6200
	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		5
	6.4	Battery voltage, nominal capacity ²⁾	K ₅	V/Ah		48/315, 345, 375
	6.5	Battery weight		kg		536 - 550 - 580
	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: 100 kg.

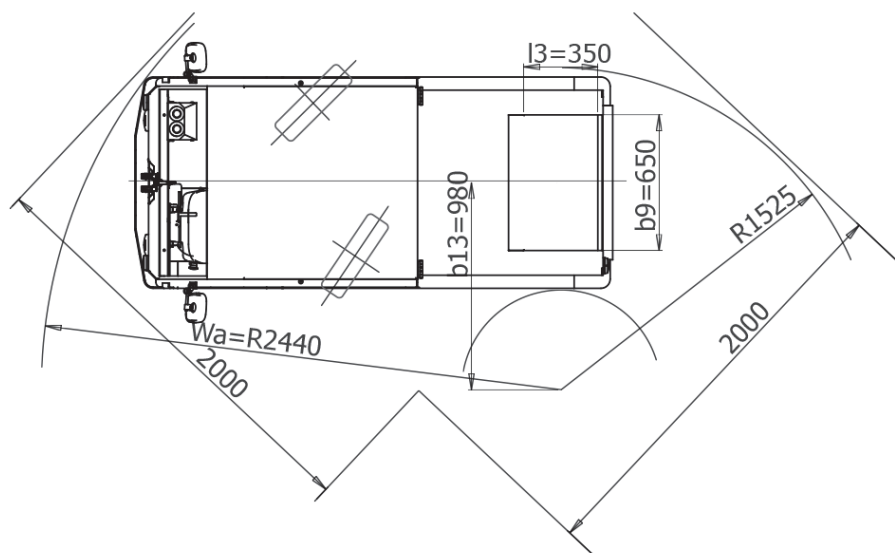
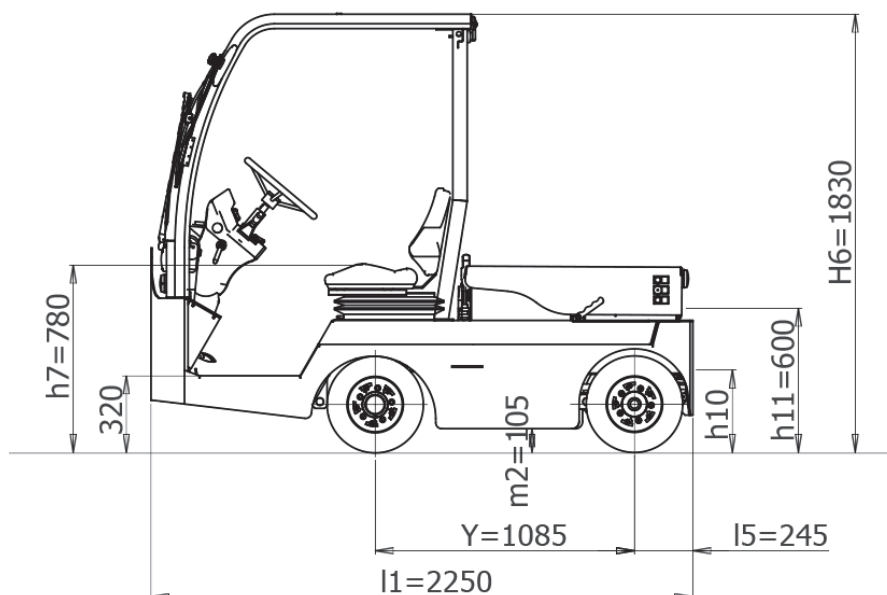
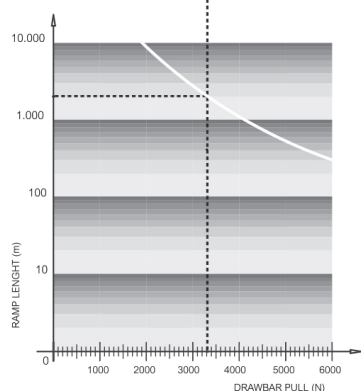
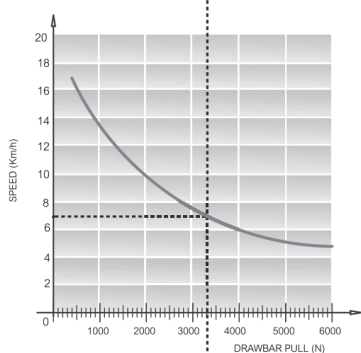
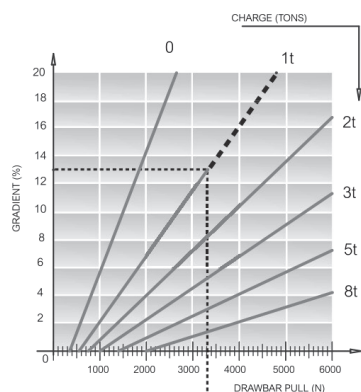
²⁾ Performances and weight are intended with 375 Ah battery.

³⁾ Contact the supplier for information.

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

Towed weight

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



TE152

Specifications						TE152
Identification	1.1	Manufacturer				Simai S.p.A
	1.2	Model				TE152
	1.3	Drive				Electric
	1.4	Operator type				Sit-on
	1.5	Load capacity/rated load ¹⁾	Q	kg		15000
	1.7	Rated drawbar pull	F	N		3000
	1.9	Wheelbase	y	mm		1425
Weight	2.1	Service weight		kg		2260
	2.2	Axle load, with load, front/rear		kg		1440 / 1170
	2.3	Axle load, without load, front/rear		kg		1290 / 970
Tyres	3.1	Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn),Polyurethane				SE/Pn
	3.2	Tyre - size, front				18x7x8
	3.3	Tyre - size, rear				6.00-9
	3.5	Wheels, number front/rear (x = driven wheels)				2/2X
	3.6	Track width, front	b ₁₀	mm		894
	3.7	Track width, rear	b ₁₁	mm		1040
Dimensions	4.7	Height of cab	h ₆	mm		1960
	4.8	Seat height	h ₇	mm		850
	4.12	Coupling height	h ₁₀	mm		240 - 295 - 350 - 405
	4.13	Loading height, unloaded	h ₁₁	mm		825
	4.16	Length of loading surface	l ₃	mm		1282
	4.17	Overhang	l ₅	mm		365
	4.18	Width of loading surface	b ₉	mm		880
	4.19	Overall length	l ₁	mm		2660
	4.21	Overall width	b ₁	mm		1180
	4.32	Ground clearance, centre of wheelbase	m ₂	mm		130
	4.35	Turning radius	W _a	mm		2875
	4.36	Internal turning radius	b ₁₃	mm		1241
Performance data	5.1	Travel speed, with/without load		km/h		11 / 21
	5.6	Max. drawbar pull		N		10500
	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
	6.4	Battery voltage, nominal capacity ²⁾	K ₅	V/Ah		48/ 525 - 575 - 625
	6.5	Battery weight		kg		812 - 857 - 898
	6.6	Energy consumption according to VDI cycle ³⁾		kWh/h		
Others	8.1	Electronics control				2 inverter AC
	8.4	Sound level at driver's ear according to EN 12053		dB(A)		69

¹⁾ Loading surface capacity: 200 kg

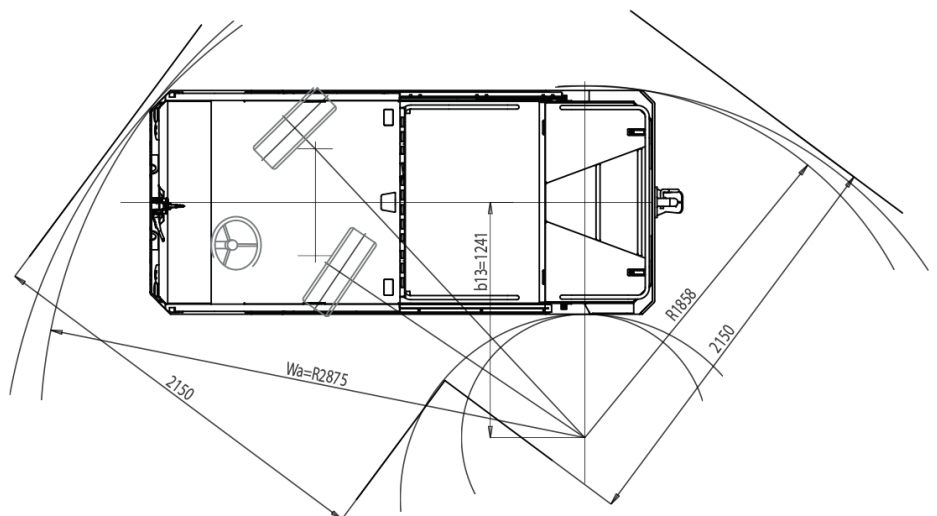
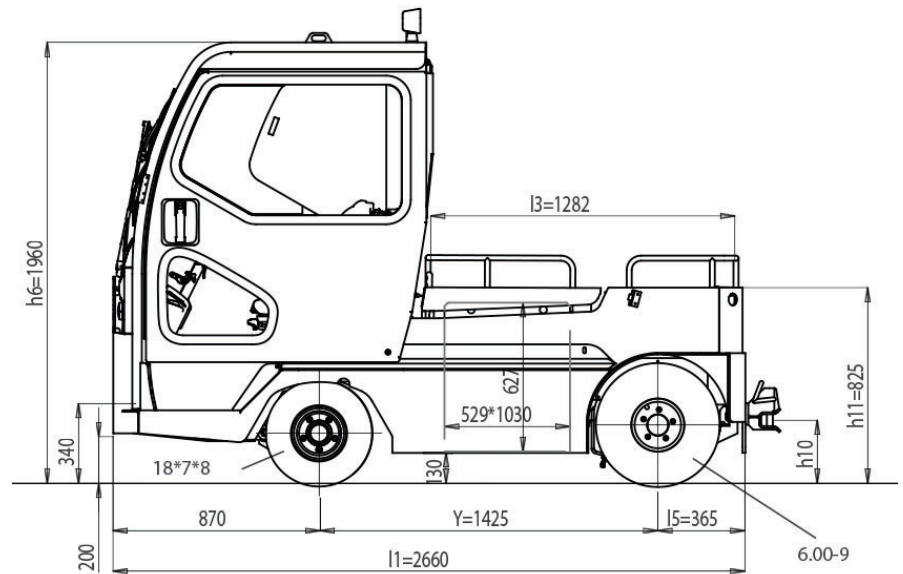
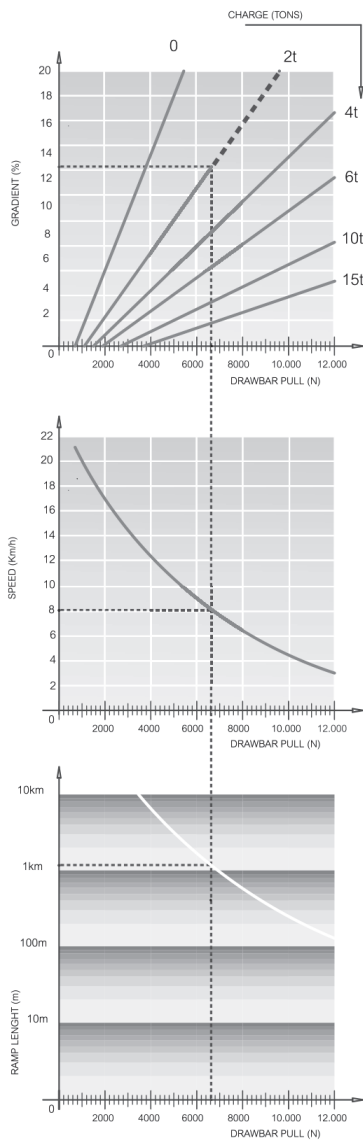
²⁾ Performances and weight are intended with 625 Ah battery.

³⁾ Contact the supplier for information.

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

Towed weight

READING EXAMPLE:
 CHARGE = 2 TONS
 GRADIENT = 15 %
 DRAWBAR PULL = 6650 N
 SPEED = 8 Km/h
 MAX PRACTICABLE RAMP LENGTH = 1300 m



TE250R, TE300R

Specifications						TE250R	TE300R
Identification	1.1	Manufacturer				Simai S.p.A	Simai S.p.A
	1.2	Model				TE250R	TE300R
	1.3	Drive				Electric	Electric
	1.4	Operator type				Sit-on	Sit-on
	1.5	Load capacity/rated load ¹⁾	Q	kg		25000	29000 / 34000
	1.7	Rated drawbar pull	F	N		5400	6000
	1.9	Wheelbase	y	mm		2000	2000
Weight	2.1	Service weight		kg		3729	3729
	2.2	Axle load, with load, front/rear		kg		1811 / 2178	1811 / 2178
	2.3	Axle load, without load, front/rear		kg		1721 / 2008	1721 / 2008
Tyres	3.1	Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn), Polyurethane				SE/Pn	SE/Pn
	3.2	Tyre - size, front				6.50-10	6.50-10
	3.3	Tyre - size, rear				7.00-12	7.00-12
	3.5	Wheels, number front/rear (x = driven wheels)				2/2X	2/2X
	3.6	Track width, front	b ₁₀	mm		1170	1170
	3.7	Track width, rear	b ₁₁	mm		1190	1190
Dimensions	4.7	Height of cab	h ₆	mm		1900	1900
	4.8	Seat height	h ₇	mm		900	900
	4.12	Coupling height	h ₁₀	mm		310 - 380 - 450 - 520	310 - 380 - 450 - 520
	4.13	Loading height, unloaded	h ₁₁	mm		1060	1060
	4.16	Length of loading surface	l ₃	mm		500	500
	4.17	Overhang	l ₅	mm		545	545
	4.18	Width of loading surface	b ₉	mm		1180	1180
	4.19	Overall length	l ₁	mm		2970	2970
	4.21	Overall width	b ₁	mm		1370	1370
	4.32	Ground clearance, centre of wheelbase	m ₂	mm		200	200
	4.35	Turning radius	W _a	mm		3210	3210
	4.36	Internal turning radius	b ₁₃	mm		1500	1500
Performance data	5.1	Travel speed, with/without load		km/h		12 / 25	12 / 25
	5.6	Max. drawbar pull		N		20000	19000
	5.7	Gradeability		%		see chart	see chart
	5.8	Max. gradeability loaded/unloaded		%		see chart	see chart
	5.10	Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical)				I / M	I / M
Electric motor	6.1	Drive motor rating S2 60 min		kW		20	20
	6.4	Battery voltage, nominal capacity ²⁾	K _s	V/Ah		80/ 500 - 560 - 620	80/ 500 - 560 - 620
	6.5	Battery weight		kg		1300 - 1430 - 1565	1300 - 1430 - 1565
	6.6	Energy consumption according to VDI cycle ³⁾		kWh/h			
Others	8.1	Electronics control				Inverter AC	Inverter AC
	8.4	Sound level at driver's ear according to EN 12053		dB(A)		69	69

¹⁾ Loading surface capacity: 100 kg

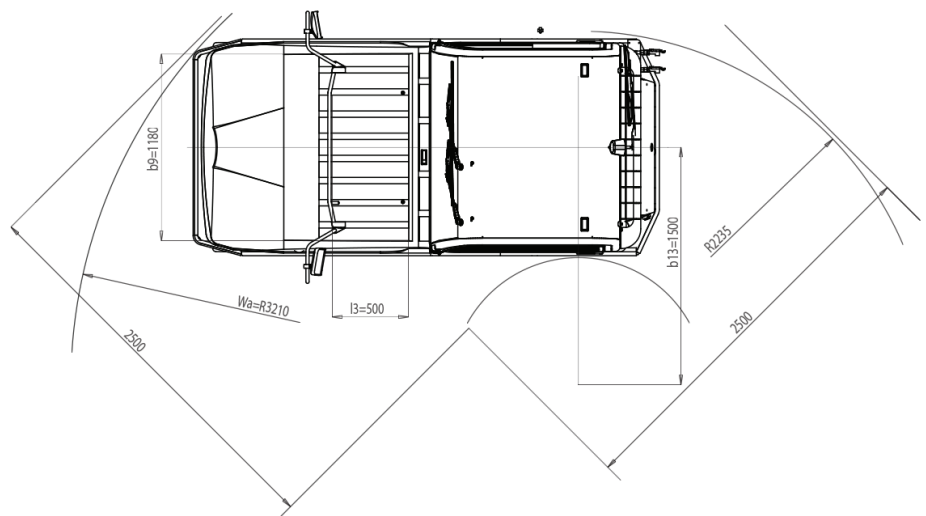
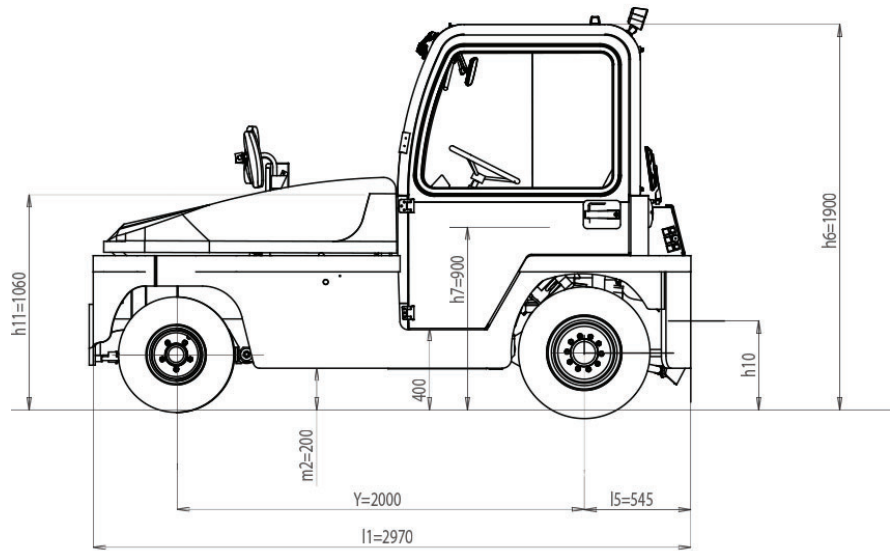
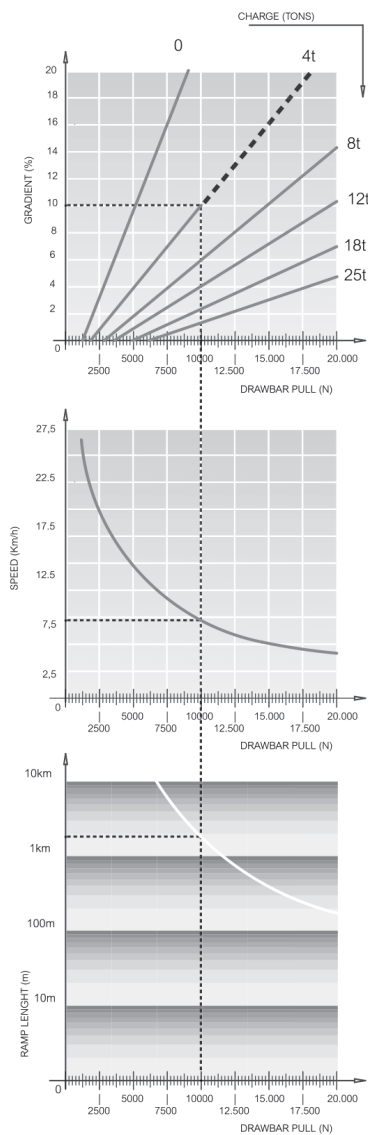
²⁾ Performances and weight are intended with 560 Ah battery.

³⁾ Contact the supplier for information.

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

Towed weight

READING EXAMPLE:
 CHARGE = 4 TONS
 GRADIENT = 10 %
 DRAWBAR PULL = 10.000 N
 SPEED = 8 Km/h
 MAX PRACTICABLE RAMP LENGTH = 1800 m



TE291

Specifications						TE291	TE291L
Identification	1.1	Manufacturer				Simai S.p.A	Simai S.p.A
	1.2	Model				TE291	TE291L
	1.3	Drive				Electric	Electric
	1.4	Operator type				Sit-on	Sit-on
	1.5	Load capacity/rated load ¹⁾	Q	kg		29000	29000
	1.7	Rated drawbar pull	F	N		5800	5800
	1.9	Wheelbase	y	mm		1550	1840
Weight	2.1	Service weight		kg		4030	4650
	2.2	Axle load, with load, front/rear		kg		2350 / 2040	2630 / 2380
	2.3	Axle load, without load, front/rear		kg		2150 / 1880	2430 / 2220
Tyres	3.1	Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn),Polyurethane				SE/Pn	SE/Pn
	3.2	Tyre - size, front				6.50-10	6.50-10
	3.3	Tyre - size, rear				7.00-12	7.00-12
	3.5	Wheels, number front/rear (x = driven wheels)				2 / 2X	2 / 2X
	3.6	Track width, front	b ₁₀	mm		1170	1170
	3.7	Track width, rear	b ₁₁	mm		1190	1190
Dimensions	4.7	Height of cab	h ₆	mm		2000	2000
	4.8	Seat height	h ₇	mm		890	890
	4.12	Coupling height	h ₁₀	mm		310 - 380 - 450 - 520	310 - 380 - 450 - 520
	4.13	Loading height, unloaded	h ₁₁	mm		1070	1070
	4.16	Length of loading surface	l ₃	mm		1430	1720
	4.17	Overhang	l ₅	mm		585	585
	4.18	Width of loading surface	b ₉	mm		1060	1060
	4.19	Overall length	l ₁	mm		3040	3330
	4.21	Overall width	b ₁	mm		1370	1370
	4.32	Ground clearance, centre of wheelbase	m ₂	mm		205	205
	4.35	Turning radius	W _a	mm		3210	3510
	4.36	Internal turning radius	b ₁₃	mm		1340	1340
Performance data	5.1	Travel speed, with/without load		km/h		12 / 25	12 / 25
	5.6	Max. drawbar pull		N		20000	20000
	5.7	Gradeability		%		see chart	see chart
	5.8	Max. gradeability loaded/unloaded		%		see chart	see chart
	5.10	Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical)		I / M		I / M	I / M
Electric motor	6.1	Drive motor rating S2 60 min		kW		20	20
	6.4	Battery voltage, nominal capacity	K ₅	V/Ah		80/620	80/930
	6.5	Battery weight		kg		1565	2185
	6.6	Energy consumption according to VDI cycle ²⁾		kWh/h		-	-
Others	8.1	Electronics control				Inverter AC	Inverter AC
	8.4	Sound level at driver's ear according to EN 12053		dB(A)		69	69

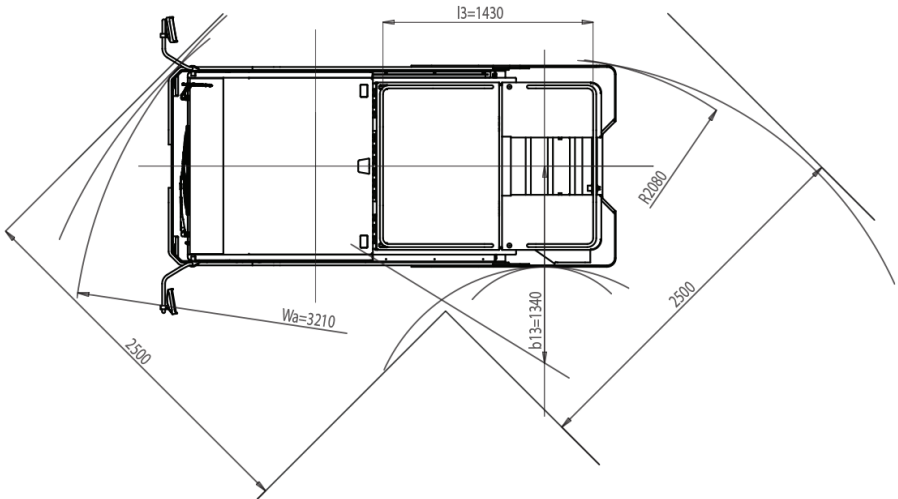
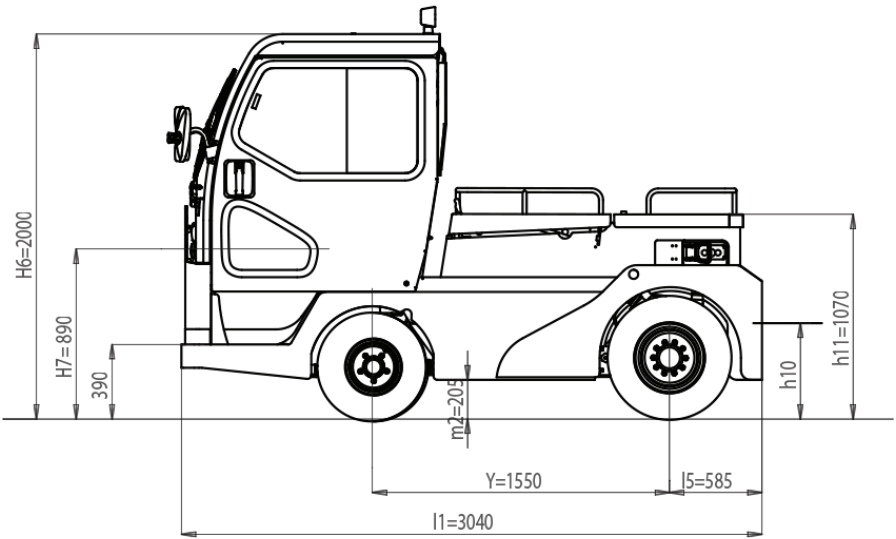
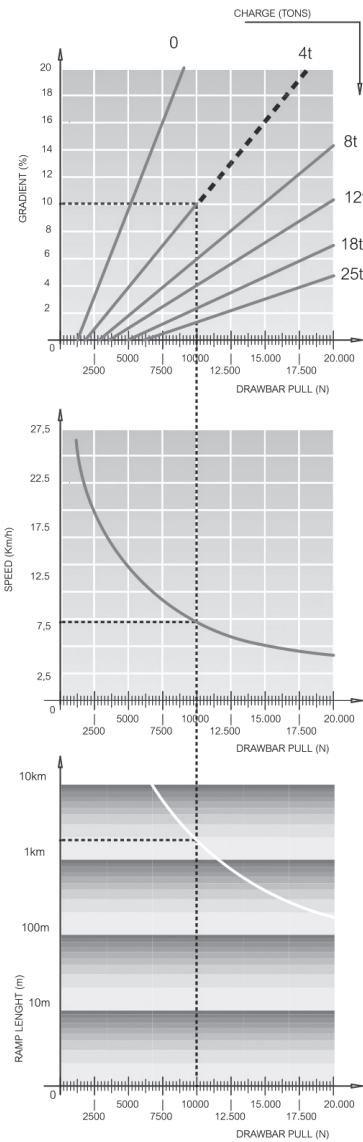
¹⁾ Loading surface capacity: 200 kg

²⁾ Contact the supplier for information.

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

Towed weight

READING EXAMPLE:
CHARGE = 4 TONS
GRADIENT = 10 %
DRAWBAR PULL = 10.000 N
SPEED = 8 Km/h
MAX PRACTICABLE RAMP LENGTH = 1800 m



TE500RR

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

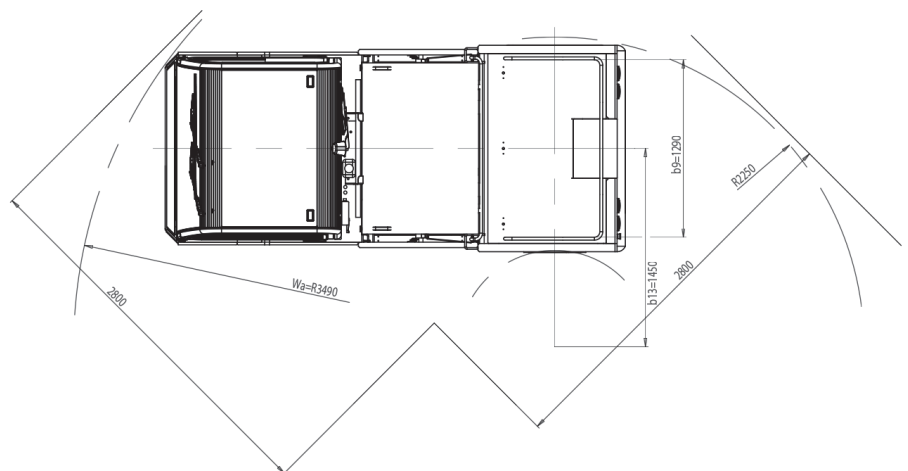
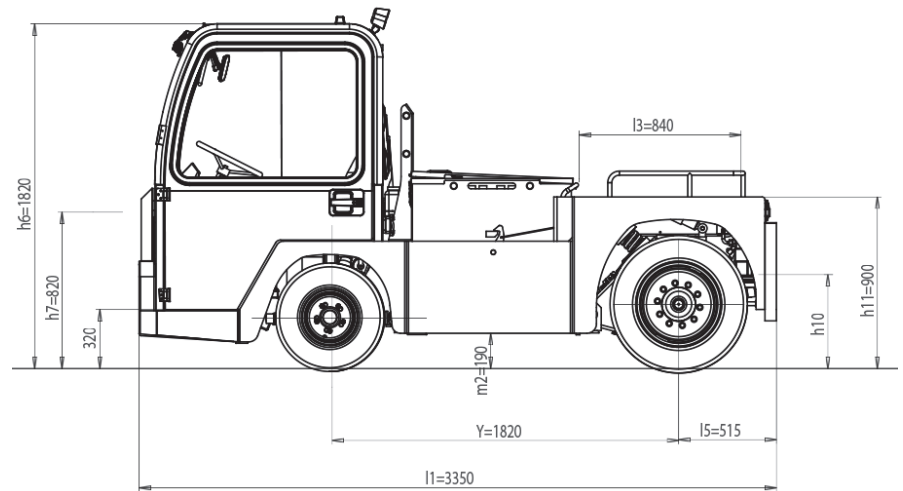
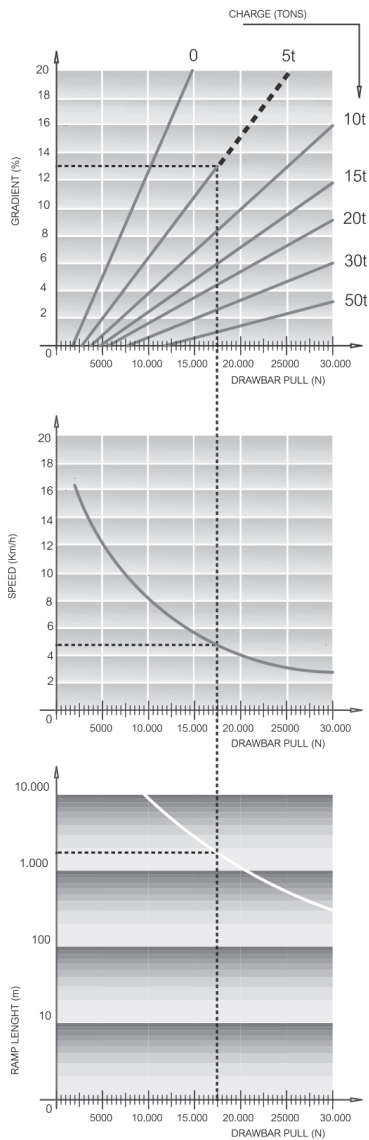
²⁾ Performances and weight are intended with 840 Ah battery.

³⁾ Contact the supplier for information.

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

Towed weight

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



PE15

Specifications						PE15
Identification	1.1	Manufacturer				Simai S.p.A
	1.2	Model				PE15
	1.3	Drive				Electric
	1.4	Operator type				Sit-on
	1.5	Load capacity/rated load ¹⁾	Q	kg		1500
	1.7	Rated drawbar pull	F	N		1400
	1.9	Wheelbase	y	mm		1800
Weight	2.1	Service weight		kg		1243
	2.2	Axle load, with load, front/rear		kg		783 / 2120
	2.3	Axle load, without load, front/rear		kg		673 / 570
Tyres	3.1	Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn),Polyurethane				SE/Pn
	3.2	Tyre - size, front				5.00-8
	3.3	Tyre - size, rear				5.00-8
	3.5	Wheels, number front/rear (x = driven wheels)				2/2X
	3.6	Track width, front	b ₁₀	mm		810
	3.7	Track width, rear	b ₁₁	mm		838
Dimensions	4.7	Height of cab	h ₆	mm		1990
	4.8	Seat height	h ₇	mm		1000
	4.12	Coupling height	h ₁₀	mm		410
	4.13	Loading height, min/max	h ₁₁	mm		400/560
	4.16	Length of loading surface	l ₃	mm		1700
	4.17	Overhang	l ₅	mm		850
	4.18	Width of loading surface	b ₉	mm		1100
	4.19	Overall length	l ₁	mm		3035
	4.21	Overall width	b ₁	mm		1160
	4.32	Ground clearance, centre of wheelbase	m ₂	mm		240
	4.35	Turning radius	W _a	mm		2910
	4.36	Internal turning radius	b ₁₃	mm		970
Performance data	5.1	Travel speed, with/without load		km/h		15 / 17
	5.6	Max. drawbar pull		N		5500
	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		5
	6.4	Battery voltage, nominal capacity ²⁾	K ₅	V/Ah		48/ 240 - 260 - 300
	6.5	Battery weight		kg		438 - 465 - 515
	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⁾ Towing capacity: 5000 kg

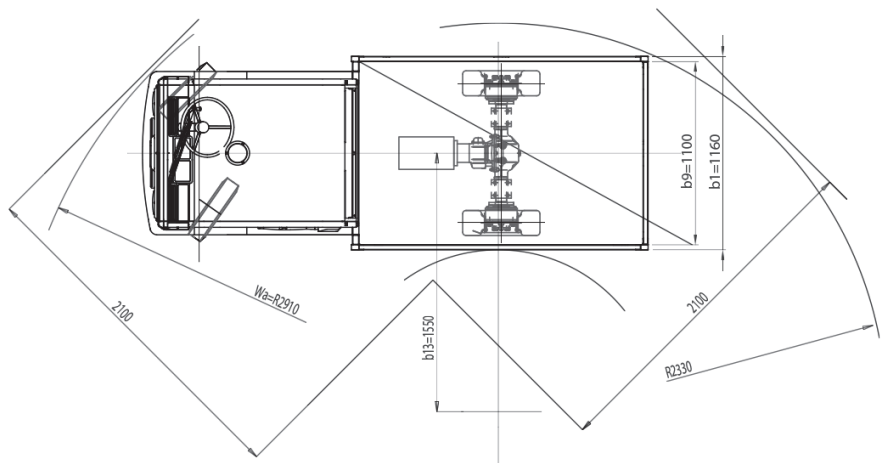
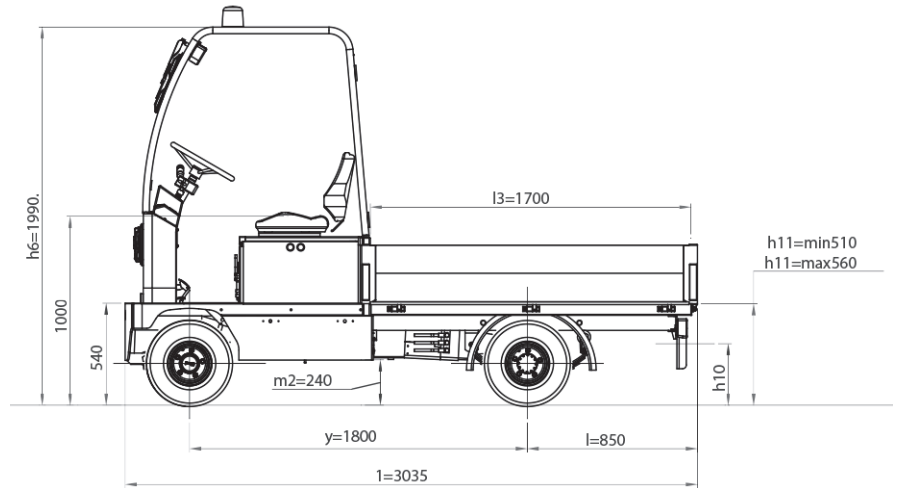
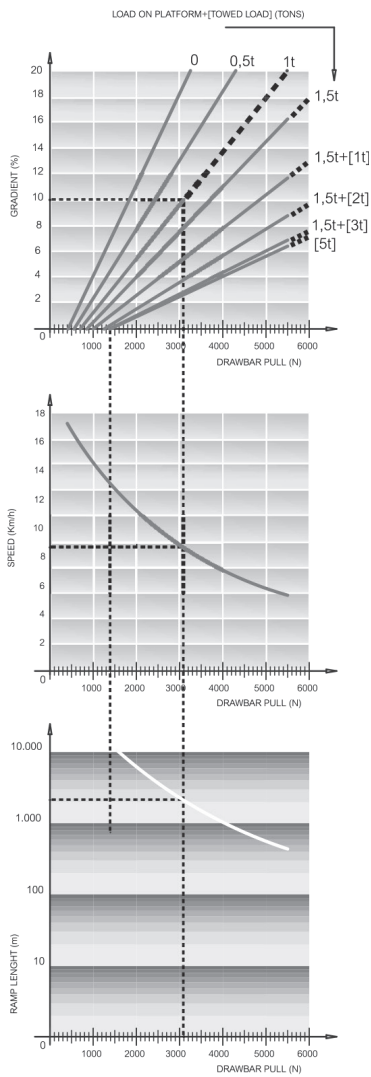
²⁾ Performances and weight are intended with 300 Ah battery.

³⁾ Contact the supplier for information.

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

Towed weight

READING EXAMPLE:
 CHARGE = 1 TONS
 GRADIENT = 10 %
 DRAWBAR PULL = 3070 N
 SPEED = 8,6 Km/h
 MAX PRACTICABLE RAMP LENGHT = 2000 m



PE20

Specifications						PE20
Identification	1.1	Manufacturer				Simai S.p.A
	1.2	Model				PE20
	1.3	Drive				Electric
	1.4	Operator type				Sit-on
	1.5	Load capacity/rated load ¹⁾	Q	kg		2000
	1.7	Rated drawbar pull	F	N		1750
	1.9	Wheelbase	y	mm		1935
Weight	2.1	Service weight		kg		2130
	2.2	Axle load, with load, front/rear		kg		1815 / 2475
	2.3	Axle load, without load, front/rear		kg		1130 / 1000
Tyres	3.1	Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn),Polyurethane				SE/Pn
	3.2	Tyre - size, front				6.00-9
	3.3	Tyre - size, rear				6.00-9
	3.5	Wheels, number front/rear (x = driven wheels)				2/2X
	3.6	Track width, front	b ₁₀	mm		850
	3.7	Track width, rear	b ₁₁	mm		1200
Dimensions	4.7	Height of cab	h ₆	mm		1870
	4.8	Seat height	h ₇	mm		855
	4.12	Coupling height	h ₁₀	mm		355
	4.13	Loading height, min/max	h ₁₁	mm		655/735
	4.16	Length of loading surface	l ₃	mm		2000
	4.17	Overhang	l ₅	mm		585
	4.18	Width of loading surface	b ₉	mm		1300
	4.19	Overall length	l ₁	mm		3465
	4.21	Overall width	b ₁	mm		1435
	4.32	Ground clearance, centre of wheelbase	m ₂	mm		200
	4.35	Turning radius	W _a	mm		3475
	4.36	Internal turning radius	b ₁₃	mm		790
Performance data	5.1	Travel speed, with/without load		km/h		18 / 23
	5.6	Max. drawbar pull		N		6100
	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		7
	6.4	Battery voltage, nominal capacity ²⁾	K ₅	V/Ah		48/ 480
	6.5	Battery weight		kg		830
	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⁾ Towing capacity: 6000 kg

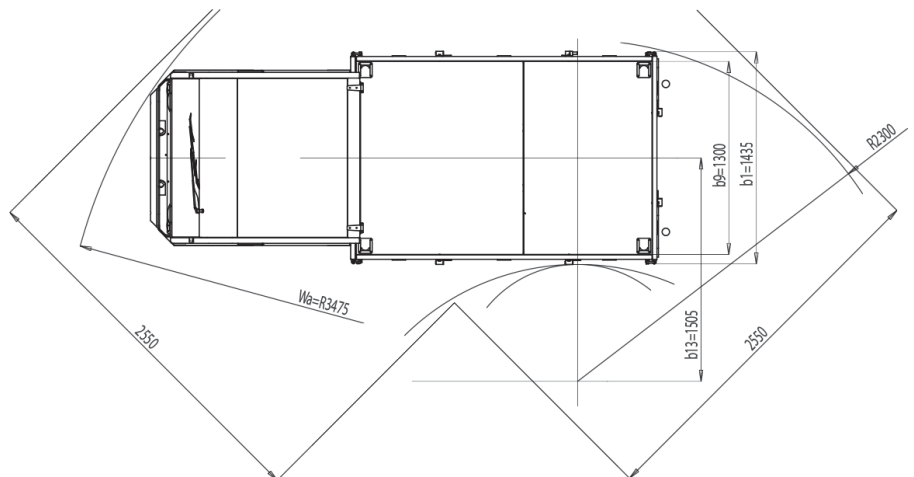
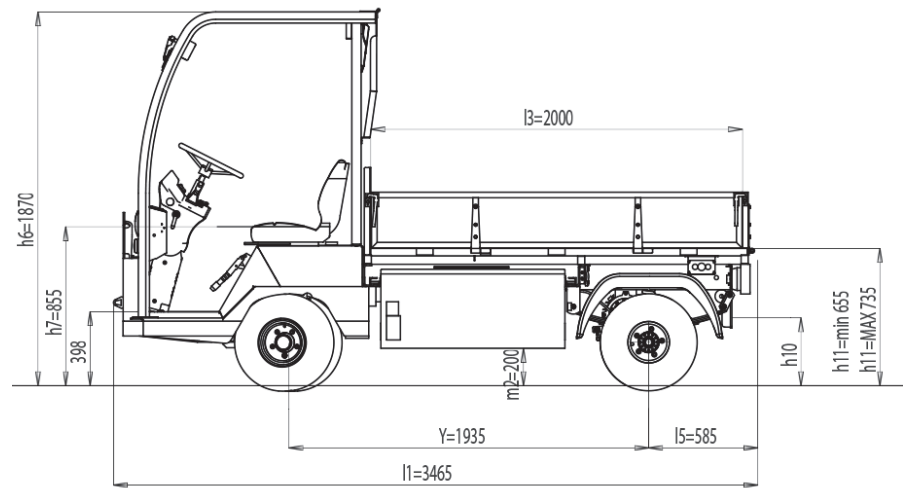
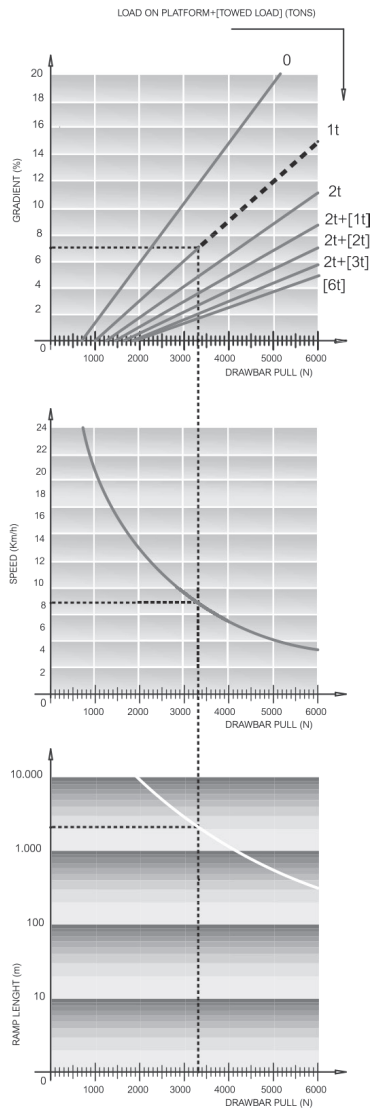
²⁾ Performances and weight are intended with 480 Ah battery.

³⁾ Contact the supplier for information.

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

Towed weight

READING EXAMPLE:
 CHARGE = 1 TONS
 GRADIENT = 7 %
 DRAWBAR PULL = 3330 N
 SPEED = 8.2 Km/h
 MAX PRACTICABLE RAMP LENGTH = 2000 m



PE30

Specifications						PE30
Identification	1.1	Manufacturer				Simai S.p.A
	1.2	Model				PE30
	1.3	Drive				Electric
	1.4	Operator type				Sit-on
	1.5	Load capacity/rated load ¹⁾	Q	kg		3000
	1.7	Rated drawbar pull	F	N		2400
	1.9	Wheelbase	y	mm		1890
Weight	2.1	Service weight		kg		2750
	2.2	Axle load, with load, front/rear		kg		2300 / 3610
	2.3	Axle load, without load, front/rear		kg		1500 / 1250
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				6.50-10
	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		1170
Dimensions	4.7	Height of cab	h ₆	mm		1900
	4.8	Seat height	h ₇	mm		900
	4.12	Coupling height	h ₁₀	mm		425 - 480 - 535
	4.13	Loading height, min/max	h ₁₁	mm		850 / 915
	4.16	Length of loading surface	l ₃	mm		2450
	4.17	Overhang	l ₅	mm		925
	4.18	Width of loading surface	b ₉	mm		1500
	4.19	Overall length	l ₁	mm		3825
	4.21	Overall width	b ₁	mm		1560
	4.32	Ground clearance, centre of wheelbase	m ₂	mm		150
	4.35	Turning radius	W _a	mm		3565
	4.36	Internal turning radius	b ₁₃	mm		1480
Performance data	5.1	Travel speed, with/without load		km/h		19 / 25
	5.6	Max. drawbar pull		N		9500
	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		12
	6.4	Battery voltage, nominal capacity ²⁾	K ₅	V/Ah		80/ 350 - 400 - 480
	6.5	Battery weight		kg		1080 - 1120 - 1250
	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⁾ Towing capacity: 8000 kg

²⁾ Performances and weight are intended with 400 Ah battery.

³⁾ Contact the supplier for information.

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

Towed weight

READING EXAMPLE:
 CHARGE = 1 TONS
 GRADIENT = 13 %
 DRAWBAR PULL = 6200 N
 SPEED = 7.6 Km/h
 MAX PRACTICABLE RAMP LENGTH = 1000 m

