Electric towing tractor 8.0 ton

Simai















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1.1 Manufacturer	Truck specifications					TE80IXB
1.3 Drive						Simai S.p.A
1.7 Ratea drawbar pull 1.9 Wheelbase y mm 1070 10		1.2	Model			TE80IXB
1.7 Ratea drawbar pull 1.9 Wheelbase y mm 1070 10		1.3	Drive			Electric
1.7 Ratea drawbar pull 1.9 Wheelbase y mm 1070 10		1.4	Operator type			Sit-on
1.7 Ratea drawbar pull 1.9 Wheelbase y mm 1070 10		1.5	Load capacity/rated load 1)	Q	kg	8000
1.9 Wheelbase		1.7	Rated drawbar pull	F	N	1900
2.2		1.9		у	mm	1070
SEPR	Weight	2.1	Service weight		kg	1255
SEPR		2.2	Axle load, with load, front/rear		kg	745 / 690
3.1 Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn),Polyurethane 3.2 Tyre - size, front 4.00-8 4.00-8 3.3 Tyre - size, rear 4.00-8 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 4.7 Height of cab h ₈ mm 1790 4.8 Seat height h ₇ mm 780 mm 265 - 320 - 375 4.13 Loading height, unloaded h ₁₁ mm 600 4.16 Length of loading surface I ₃ mm 350 4.18 Width of loading surface I ₃ mm 350 4.19 Overhang I ₅ mm 650 4.19 Overall length I ₁ mm 2250 4.21 Overall width b ₁ mm 1000 4.32 Ground clearance, centre of wheelbase m ₂ mm 105 4.36 Internal turning radius M ₃ mm 2440 4.36 Internal turning radius M ₃ mm 980 5.1 Travel speed, with/without load 5.6 Max. drawbar pull N 6200 5.7 Gradeability Sa Max. gradeability loaded/unloaded 5.10 Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical) I/E I		2.3	Axle load, without load, front/rear		_	650 / 605
3.2 Tyre - size, front 3.3 Tyre - size, rear 4.00-8 4.00-8 4.00-8 3.5 Wheels, number front/rear (x = driven wheels) 2/2X 3.6 Track width, front 3.7 Track width, front 3.7 Track width, rear 5.1 Track width, without load 5.1 Track width, rear 5.1 Track width, without load 5.1 Track width, without load 5.1 Track width, rear 7.1 Track width, rear 7	Tyres	3.1	Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn), Polyurethane			SE/Pn
3.5 Wheels, number front/rear (x = driven wheels) 2/2X 3.6 Track width, front 3,7 Track width, front 3,7 Track width, front 5,1 mm 912 4.7 Height of cab h ₆ mm 1790 4.8 Seat height h ₇ mm 265 - 320 - 375 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 4.21 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 h ₁₃ mm 980 5.1 Travel speed, with/without load km/h 9 / 16 5.6 Max. drawbar pull N 6200 5.7 Gradeability See chart 5.10 Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical) K ₈ 6.1 Drive motor rating S2 60 min kW 5 6.4 Battery voltage, nominal capacity 2 kg 536 - 550 - 580 6.5 Battery weight kg 536 - 550 - 580		3.2				4.00-8
3.6 Track width, front 3.7 Track width, rear 5.1 mm 912		3.3	Tyre - size, rear			4.00-8
No. Seat height Seat hei		3.5	Wheels, number front/rear (x = driven wheels)			2/2X
3.7 Track width, rear b_1 mm 912		3.6	Track width, front	b ₁₀	mm	810
4.7 Height of cab		3.7	Track width, rear		mm	912
4.8 Seat height	Dimensions	4.7	Height of cab		mm	1790
4.13 Loading height, unloaded h ₁₁ mm 600		4.8	Seat height		mm	780
4.13 Loading height, unloaded H ₁₁ mm 600 4.16 Length of loading surface I ₃ mm 350 4.17 Overhang I ₅ mm 255 4.18 Width of loading surface b ₉ mm 650 4.19 Overall length I 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 5.1 Travel speed, with/without load km/h 9 / 16 5.6 Max. drawbar pull N 6200 5.7 Gradeability Gradeability Gradeability Gradeability Sama, gradeability Gradeabi		4.12	Coupling height	h ₁₀	mm	265 - 320 - 375
4.16 Length of loading surface I3 mm 350		4.13	Loading height, unloaded		mm	600
4.21 Overall width 4.32 Ground clearance, centre of wheelbase 4.35 Turning radius 4.36 Internal turning radius 5.1 Travel speed, with/without load 5.6 Max. drawbar pull 5.7 Gradeability 5.8 Max. gradeability loaded/unloaded 5.10 Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical) 6.1 Drive motor rating S2 60 min 6.2 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) mm 1000 mm 1000 mm 1000 mm 2440 mm 2440 mm 980 km/h 9 / 16 N 6200 See chart see chart l/E 6.1 Drive motor rating S2 60 min kW 5 K ₅ V/Ah 48/315, 345, 375 kg 536 - 550 - 580		4.16	Length of loading surface	1 1	mm	350
4.21 Overall width 4.32 Ground clearance, centre of wheelbase 4.35 Turning radius 4.36 Internal turning radius 5.1 Travel speed, with/without load 5.6 Max. drawbar pull 5.7 Gradeability 5.8 Max. gradeability loaded/unloaded 5.10 Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical) 6.1 Drive motor rating S2 60 min 6.2 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) mm 1000 mm 1000 mm 1000 mm 2440 mm 2440 mm 980 km/h 9 / 16 N 6200 See chart see chart l/E 6.1 Drive motor rating S2 60 min kW 5 K ₅ V/Ah 48/315, 345, 375 kg 536 - 550 - 580		4.17	Overhang	اً	mm	255
4.21 Overall width 4.32 Ground clearance, centre of wheelbase 4.35 Turning radius 4.36 Internal turning radius 5.1 Travel speed, with/without load 5.6 Max. drawbar pull 5.7 Gradeability 5.8 Max. gradeability loaded/unloaded 5.10 Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical) 6.1 Drive motor rating S2 60 min 6.2 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) mm 1000 mm 1000 mm 1000 mm 2440 mm 2440 mm 980 km/h 9 / 16 N 6200 See chart see chart l/E 6.1 Drive motor rating S2 60 min kW 5 K ₅ V/Ah 48/315, 345, 375 kg 536 - 550 - 580		4.18	Width of loading surface	b ₉	mm	650
4.32 Ground clearance, centre of wheelbase 4.35 Turning radius 4.36 Internal turning radius 5.1 Travel speed, with/without load 5.6 Max. drawbar pull 5.7 Gradeability 5.8 Max. gradeability loaded/unloaded 5.10 Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical) 6.1 Drive motor rating S2 60 min 6.4 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) Mm 105 Mm 2440 Mm 980 N 6200 See chart % see chart I/E 6.1 Drive motor rating S2 60 min kW 5 K ₅ V/Ah 48/315, 345, 375 kWh/h		4.19	Overall length	l ₁	mm	2250
4.35 Turning radius 4.36 Internal turning radius 5.1 Travel speed, with/without load 5.6 Max. drawbar pull 5.7 Gradeability 5.8 Max. gradeability loaded/unloaded 5.10 Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical) 6.1 Drive motor rating S2 60 min 6.4 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) mm 2440 mm 2440 mm 2440 mm 980 km/h 9 / 16 N 6200 % see chart l/E l/E V/Ah 48/315, 345, 375 kg 536 - 550 - 580		4.21	Overall width	b ₁	mm	1000
4.36 Internal turning radius 5.1 Travel speed, with/without load 5.6 Max. drawbar pull 5.7 Gradeability 5.8 Max. gradeability loaded/unloaded 5.10 Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical) 6.1 Drive motor rating S2 60 min 6.4 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) Mm/h 980 km/h 9 / 16 N 6200 See chart I/E Ky V/Ah 48/315, 345, 375		4.32	Ground clearance, centre of wheelbase	m ₂	mm	105
4.36 Internal turning radius 5.1 Travel speed, with/without load 5.6 Max. drawbar pull 5.7 Gradeability 5.8 Max. gradeability loaded/unloaded 5.10 Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical) 6.1 Drive motor rating S2 60 min 6.4 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) Mm/h 9 / 16 N 6200 See chart // See chart // K ₅ V/Ah 48/315, 345, 375		4.35	Turning radius	Wa	mm	2440
5.6 Max. drawbar pull 5.7 Gradeability 5.8 Max. gradeability loaded/unloaded 5.10 Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical) 6.1 Drive motor rating S2 60 min 6.4 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) N 6200 N see chart I/E KW 5 Ky 536 - 550 - 580			Internal turning radius		mm	980
6.1 Drive motor rating S2 60 min 6.4 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) KWh/h	Performance data	5.1	Travel speed, with/without load		km/h	9 / 16
6.1 Drive motor rating S2 60 min 6.4 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) KWh/h		5.6	Max. drawbar pull		N	6200
6.1 Drive motor rating S2 60 min 6.4 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) KWh/h		5.7	Gradeability		%	see chart
6.1 Drive motor rating S2 60 min 6.4 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) KWh/h		5.8	Max. gradeability loaded/unloaded		%	see chart
6.4 Battery voltage, nominal capacity 2) 6.5 Battery weight 6.6 Energy consumption according to VDI cycle 3) K ₅ V/Ah 48/315, 345, 375 kg 536 - 550 - 580		5.10	Service / parking brake (I=Hydraulic E=Electromagnetic M=Mechanical)			I/E
6.6 Energy consumption according to VDI cycle 3 kWh/h		6.1	Drive motor rating S2 60 min		kW	5
6.6 Energy consumption according to VDI cycle 3 kWh/h				K ₅	V/Ah	48/315, 345, 375
6.6 Energy consumption according to VDI cycle 3 kWh/h		6.5	Battery weight		kg	536 - 550 - 580
8.1 Electronics control Inverter AC			Energy consumption according to VDI cycle 3)		kWh/h	
	Others	8.1				Inverter AC
8.4 Sound level at driver's ear according to EN 12053 dB(A) 69		8.4	Sound level at driver's ear according to EN 12053		dB(A)	69

¹⁾ Loading surface capacity: 100 kg.

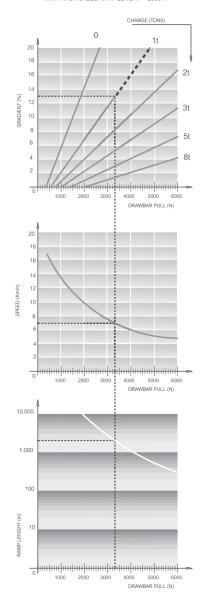
As per VDI guidelines 2198, this datasheet applies to standard electric tractor / platform truck only. Dimensions are not binding and can be changed in any moment. The performances must be intended for brand new machines, after having completed the running-in tested in San Donato Milanese factory in 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.

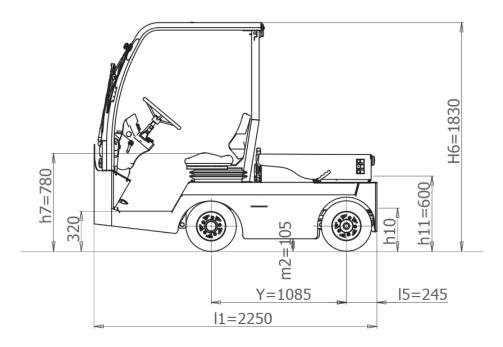
²⁾ Performances and weight are intended with 375 Ah battery. ³⁾ Contact the supplier for information.

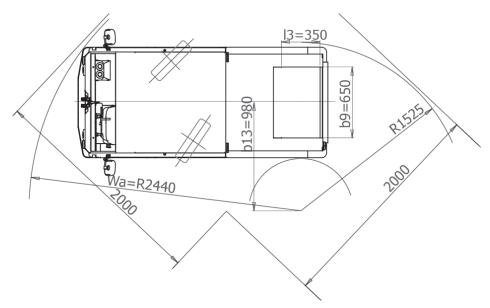
Towed weight

Simai

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







Standard equipments:

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

