

Electric towing tractor

Tracto

R-series
TE252
TE293



Electric towing tractor 25-29 ton

IDENTIFICATION						
1.1	Manufacturer			CESAB		CESAB
1.2	Model			TE252		TE293
1.3	Drive			Electric		Electric
1.4	Operator type			Sit-on		Sit-on
1.5	Load capacity/rated load ¹⁾	Q	kg	25000		29000
1.7	Rated drawbar pull	F	N	5800		5800
1.9	Wheelbase (forks raised/lowered)	y	mm	1550		1550
WEIGHT						
2.1	Service weight		kg	3670		4000
2.2	Axle load, with load, front/rear		kg	2100/1930		2220/2140
2.3	Axle load, without load, front/rear		kg	1900/1770		2020/1980
WHEELS						
3.1	Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn),Polyurethane			SE/Pn		SE/Pn
3.2	Wheel size, front			6.50-10		6.50-10
3.3	Wheel 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	1115		1115
3.7	Track width, rear	b ₁₁	mm	1130		1130
DIMENSIONS						
4.7	Height of cab	h ₆	mm	1900		1900
4.8	Seat height	h ₇	mm	890		890
4.12	Coupling height	h ₁₀	mm	310-365-420-475-530		310-365-420-475-530
4.13	Loading height, unloaded	h ₁₁	mm	1070		1070
4.16	Length of loading surface	l ₃	mm	1430		1430
4.17	Overhang	l ₅	mm	457		457
4.18	Width of loading surface	b ₉	mm	1060		1060
4.19	Overall length	l ₁	mm	2996		2996
4.21	Overall width	b ₁	mm	1300		1300
4.32	Ground clearance, centre of wheelbase	m ₂	mm	205		205
4.35	Turning radius	W _a	mm	3140		3140
4.36	Internal turning radius	b ₁₃	mm	1252		1252
PERFORMANCE						
5.1	Travel speed, with/without load		km/h	14/25		12/25
5.6	Max. drawbar pull		N	19000		20000
5.7	Gradeability ²⁾		%	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 / I			I / I
5.10.1	Type of service brake front/rear			Disk / mult. disks		Disk / mult. disks
ELECTRIC MOTOR						
6.1	Drive motor rating S2 60 min		kW	2*10		2*10
6.3	Battery according to DIN 43531 / 35 / 36 A, B, C, no			43536 A		43536 A
6.4	Battery voltage, nominal capacity ²⁾	K _s	V/Ah	80/620		80/620
6.5	Battery weight		kg	1565		1565
6.6	Energy consumption according to EN 16796		kWh/h	7,98		9,14
OTHER						
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⁾ Performances and weight are intended with 620 Ah battery.

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 factory in normal climatic conditions.

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

Some data can vary according to different equipments.

Dimensional drawings

Tracto

TE252

EXAMPLE OF GRAPH READING:

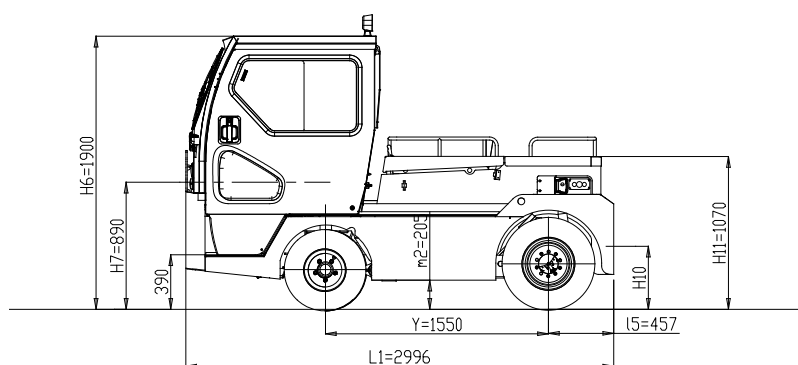
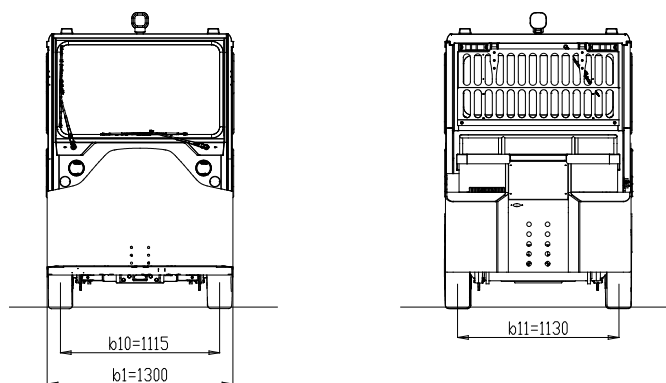
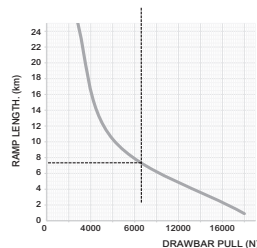
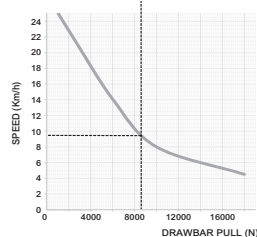
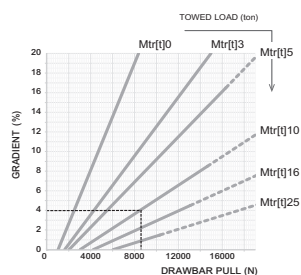
TOWED LOAD = 10 t

GRADIENT (i) = 4 %

DRAWBALL PUL (F) = 8600 N

SPEED (V0) = 9,5 km/h

MAX. PRACTICABLE RAMP LENGTH (s) = 7,5 km



TE293

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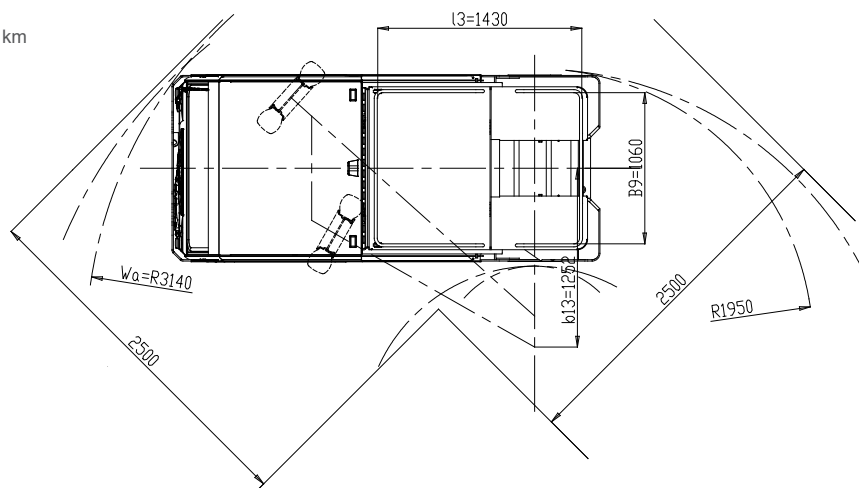
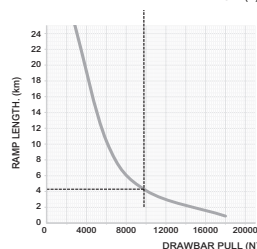
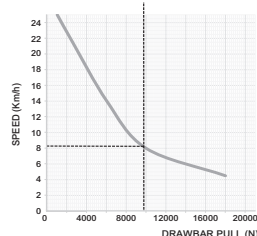
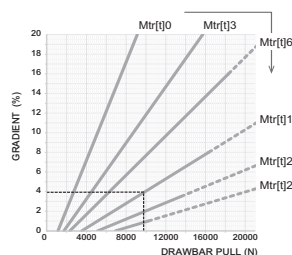
TOWED LOAD = 12 t

GRADIENT (i) = 4 %

DRAWBALL PUL (F) = 9900 N

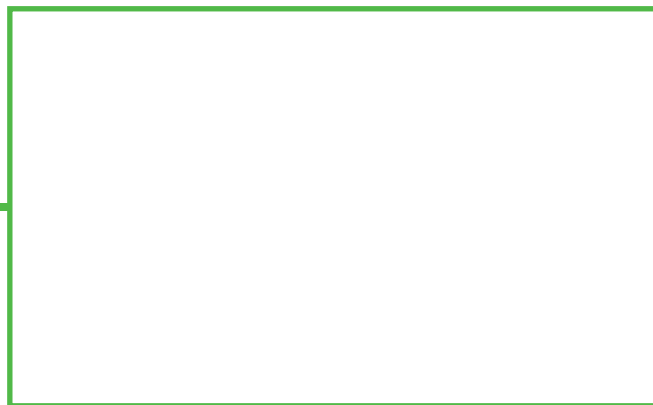
SPEED (V0) = 8 km/h

MAX. PRACTICABLE RAMP LENGTH (s) = 4,1 km



Standard equipments

- Inching buttons
- Hydraulic steering
- AC power system
- Adjustable steering column
- Rear motion buzzer
- Rear platform with 200 kg capacity
- Digital dashboard including battery charge level pilot, trouble shooting check system, speedometer, odometer and hourcounter



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