

Electric towing tractor

Tracto

R-series
TE301



Electric towing tractor 30.0 ton

IDENTIFICATION

1.1	Manufacturer			CESAB
1.2	Model			TE301
1.3	Drive			Electric
1.4	Operator type			Sit-on
1.5	Load capacity/rated load ¹⁾	Q	kg	30000
1.7	Rated drawbar pull	F	N	6000
1.9	Wheelbase	y	mm	2143

WEIGHT

2.1	Service weight		kg	4200
2.2	Axle load, with load, front/rear		kg	2070 / 2390
2.3	Axle load, without load, front/rear		kg	1980 / 2220

WHEELS

3.1	Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn), Polyurethane			SE/Pn
3.2	Wheel size, front			6.50-10
3.3	Wheel size, rear			7.00-12
3.5	Wheels, number front/rear (x = driven wheels)			2/2x
3.6	Track width, front	b ₁₀	mm	1115
3.7	Track width, rear	b ₁₁	mm	1110

DIMENSIONS

4.7	Height of cab	h ₆	mm	2032
4.8	Seat height	h ₇	mm	986
4.8.1	Step on platform height		mm	512
4.12	Coupling height	h ₁₀	mm	355 - 410 - 465 - 520 - 575
4.13	Loading height, unloaded	h ₁₁	mm	1110
4.16	Length of loading surface	l ₃	mm	630
4.17	Overhang	l ₅	mm	525
4.18	Width of loading surface	b ₉	mm	1060
4.19	Overall length	l ₁	mm	3080
4.21	Overall width	b ₁	mm	1377
4.32	Ground clearance, centre of wheelbase	m ₂	mm	200
4.35	Turning radius	W _a	mm	3355
4.35.1	Turning radius rear		mm	2315
4.36	Internal turning radius	b ₁₃	mm	1587
4.36.1	Aisle width when turning 90°		mm	2511

PERFORMANCE DATA

5.1	Travel speed, with/without load	km/h	12 / 25
5.6	Max. drawbar pull	N	20000
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 / I	
5.10.1	Type of service brake front/rear		Disk / mult. disks

ELECTRIC MOTOR

6.1	Drive motor rating S2 60 min	kW	2 X 10
6.3	Battery according to DIN 43531 / 35 / 36 A, B, C, no		43536 A
6.4	Battery voltage, nominal capacity ²⁾	K ₅	V/Ah 80 - 620
6.5	Battery weight	kg	1565
6.6	Energy consumption according to EN 16796	kWh/h	9,39

OTHERS

8.1	Type of drive 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 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 CESAB 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.

Towed weight

EXAMPLE OF GRAPH READING:

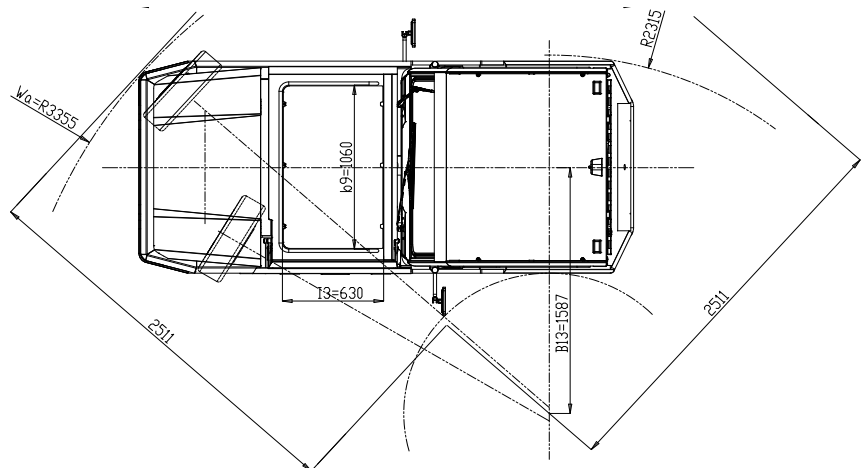
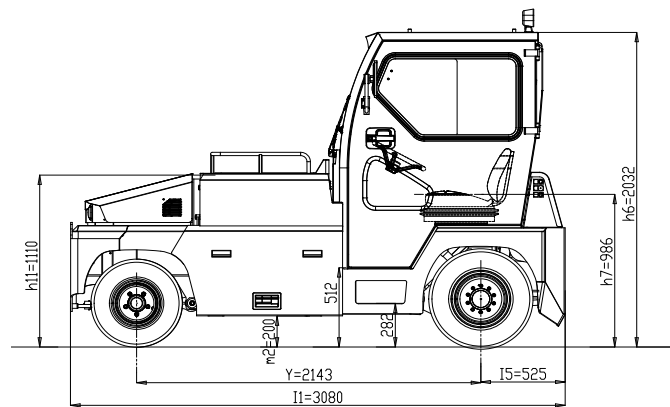
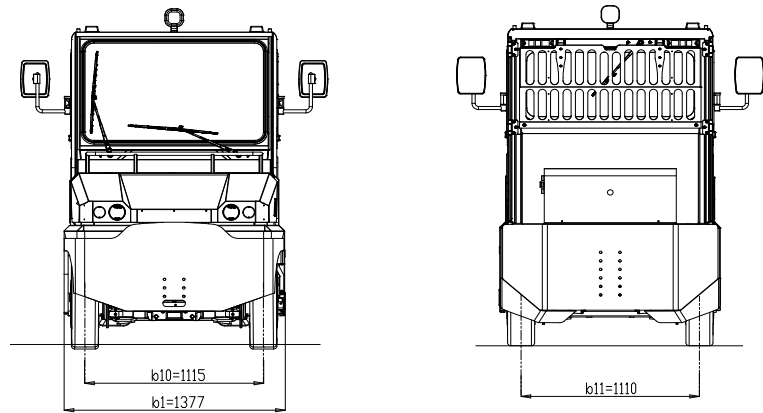
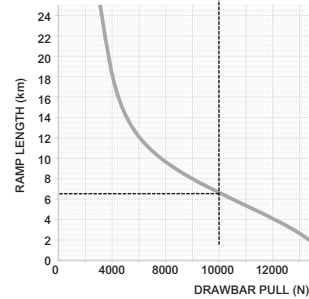
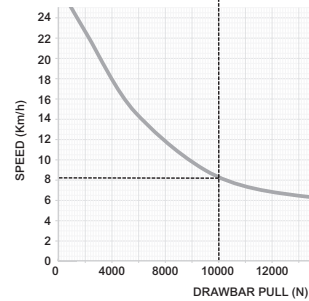
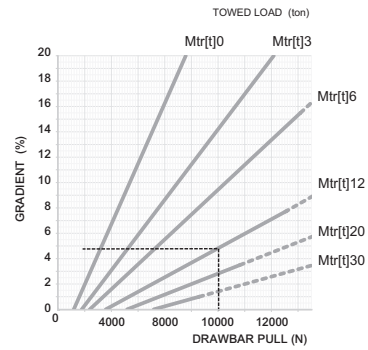
TOWED LOAD = 12 t

GRADIENT (i) = 4 %

DRAWBALL PUL (F) = 10000 N

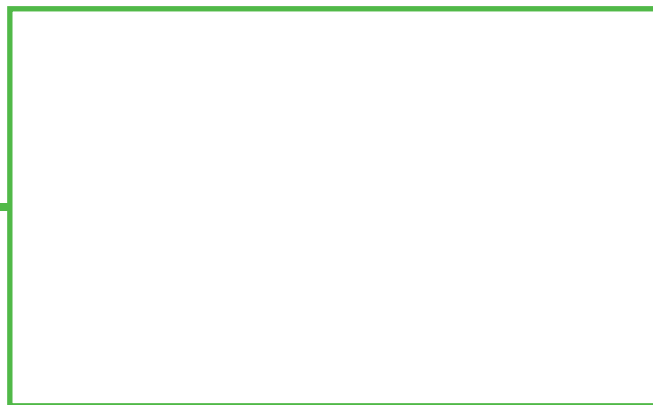
SPEED (V0) = 8 km/h

MAX. PRACTICABLE RAMP LENGTH (s) = 6 km



Standard equipments

- Inching buttons
- Operator presence system
- Side battery exchange
- Adjustable steering column
- AC power system
- Pneumatic tyres
- 2 steps entrance
- Negative parking brake
- Regenerative braking
- Head and taillights, turn signal lights
- Digital display
- Front platform



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