

# Electric towing tractor

## *Tracto*

---

R-series  
TE80IXB



# Electric towing tractor 8.0 ton

## IDENTIFICATION

|     |                                        |          |    |      |
|-----|----------------------------------------|----------|----|------|
| 1.1 | Manufacturer                           | CESAB    |    |      |
| 1.2 | Model                                  | TE80IXB  |    |      |
| 1.3 | Drive                                  | Electric |    |      |
| 1.4 | Operator type                          | Sit-on   |    |      |
| 1.5 | Load capacity/rated load <sup>1)</sup> | Q        | kg | 8000 |
| 1.7 | Rated drawbar pull                     | F        | N  | 1900 |
| 1.9 | Wheelbase                              | y        | mm | 1090 |

## 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 |

## WHEELS

|     |                                                                    |                 |    |     |
|-----|--------------------------------------------------------------------|-----------------|----|-----|
| 3.1 | Tyre - Cushion(Cu), Extra-elastic(SE), Pneumatic(Pn), Polyurethane | SE/Pn           |    |     |
| 3.2 | Wheel size, front                                                  | 4.00-8          |    |     |
| 3.3 | Wheel size, rear                                                   | 4.00-8          |    |     |
| 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 | 916 |

## DIMENSIONS

|      |                                       |                 |    |                 |
|------|---------------------------------------|-----------------|----|-----------------|
| 4.7  | Height of cab                         | h <sub>6</sub>  | mm | 1820            |
| 4.8  | Seat height                           | h <sub>7</sub>  | mm | 750             |
| 4.12 | Coupling height                       | h <sub>10</sub> | mm | 265 - 320 - 375 |
| 4.13 | Loading height, unloaded              | h <sub>11</sub> | mm | 635             |
| 4.16 | Length of loading surface             | l <sub>3</sub>  | mm | 375             |
| 4.17 | Overhang                              | l <sub>5</sub>  | mm | 259             |
| 4.18 | Width of loading surface              | b <sub>9</sub>  | mm | 640             |
| 4.19 | Overall length                        | l <sub>1</sub>  | mm | 2263            |
| 4.21 | Overall width                         | b <sub>1</sub>  | mm | 1000            |
| 4.32 | Ground clearance, centre of wheelbase | m <sub>2</sub>  | mm | 98              |
| 4.35 | Turning radius                        | W <sub>a</sub>  | mm | 2440            |
| 4.36 | Internal turning radius               | b <sub>13</sub> | 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       |           |
| 5.10.1 | Type of service brake front/rear                                     | Drum / drum |           |

## ELECTRIC MOTOR

|     |                                                      |                |                       |
|-----|------------------------------------------------------|----------------|-----------------------|
| 6.1 | Drive motor rating S2 60 min                         | kW             | 5                     |
| 6.3 | Battery according to DIN 43531 / 35 / 36 A, B, C, no | 43531 A        |                       |
| 6.4 | Battery voltage, nominal capacity <sup>2)</sup>      | K <sub>5</sub> | V/Ah 48/315, 345, 375 |
| 6.5 | Battery weight                                       | kg             | 536 - 550 - 580       |
| 6.6 | Energy consumption according to EN 16796             | kWh/h          | 2,62                  |

## 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.

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 pneumatic tires.

Some data can vary according to different equipments.

## Towed weight

### EXAMPLE OF GRAPH READING:

TOWED LOAD = 2 t

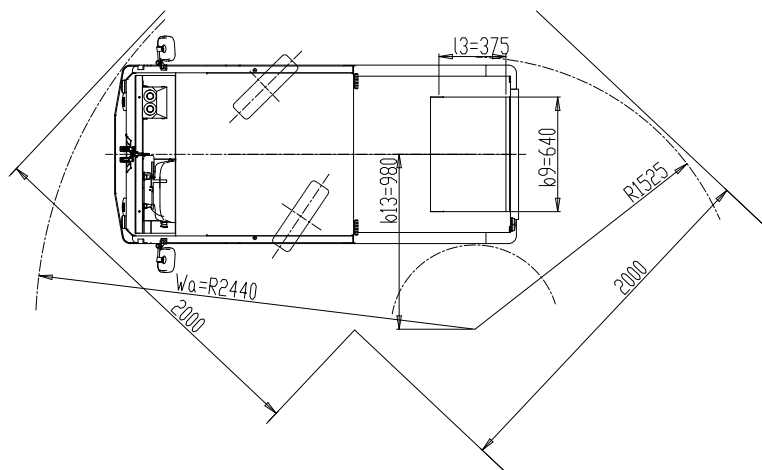
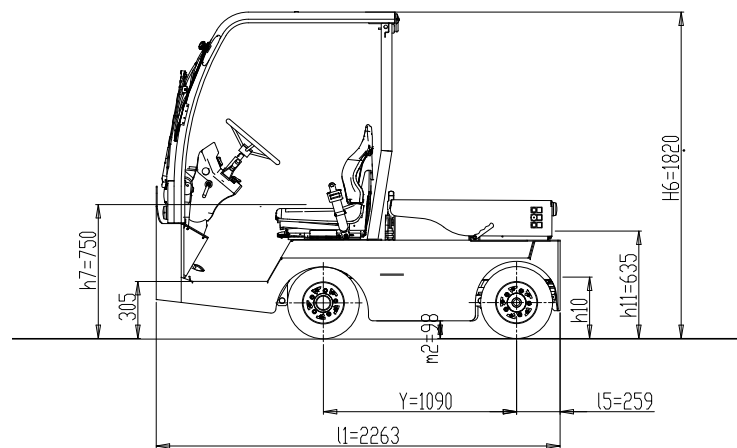
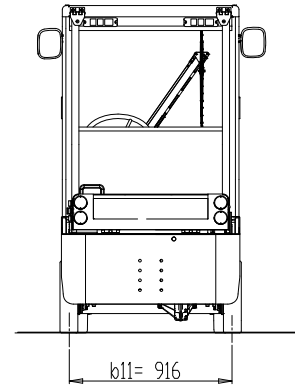
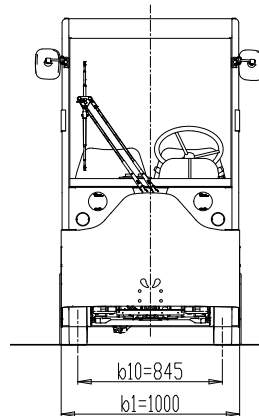
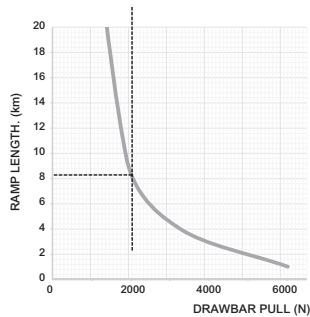
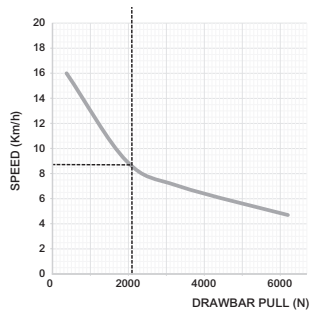
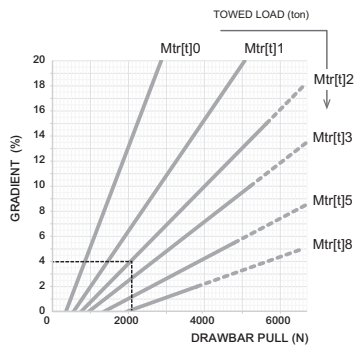
GRADIENT (i) = 4 %

DRAWBALL PUL (F) = 2100 N

SPEED (V0) = 8,5 km/h

MAX. PRACTICABLE RAMP LENGTH (s) = 8,5 km

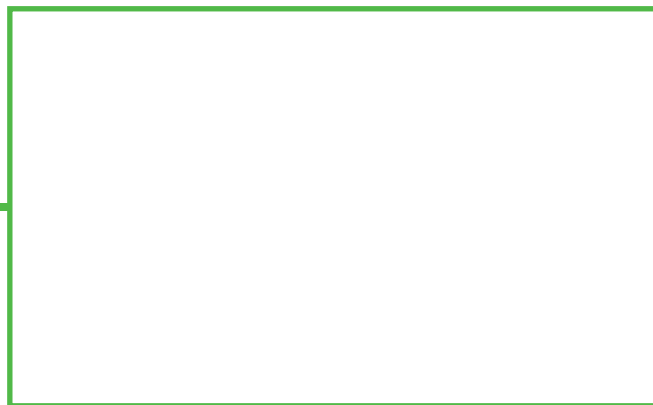
# Tracto



---

# 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



CMHE-CESAB MATERIAL HANDLING EUROPE - Version 1, 06-03-2025