

Electric towing tractor 29.0 ton

Simai

Four wheel-series

TE291



Electric towing tractor 29.0 ton

| Truck 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 |
| 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.

As per VDI guidelines 2198, this datasheet applies to standard electric tractor / platform truck only.

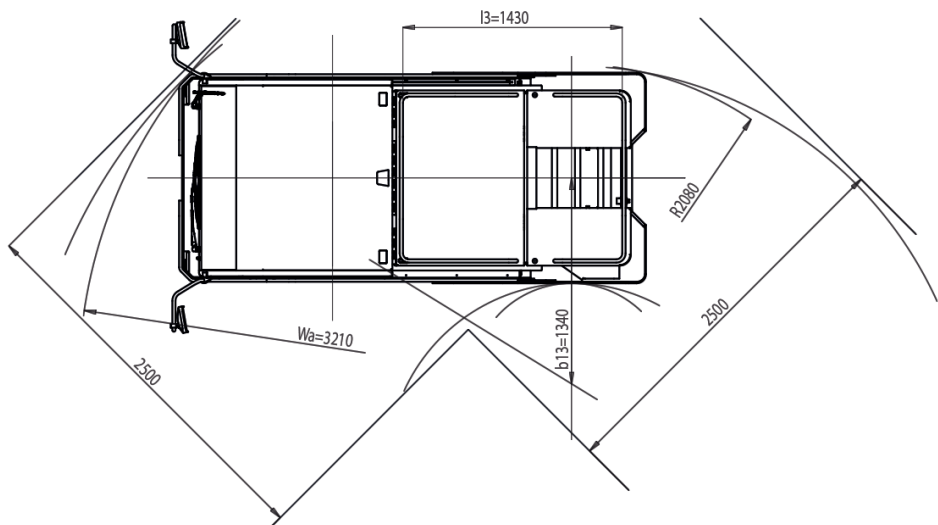
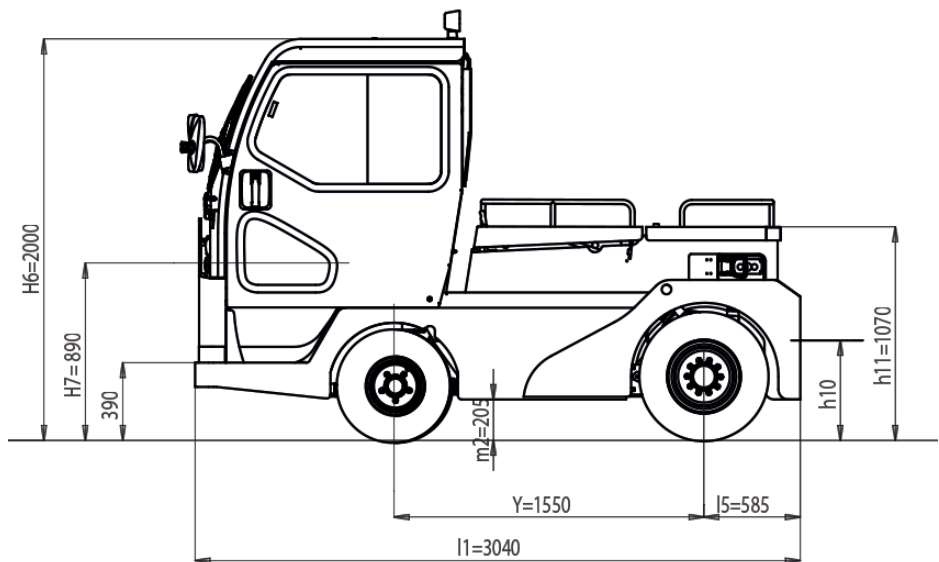
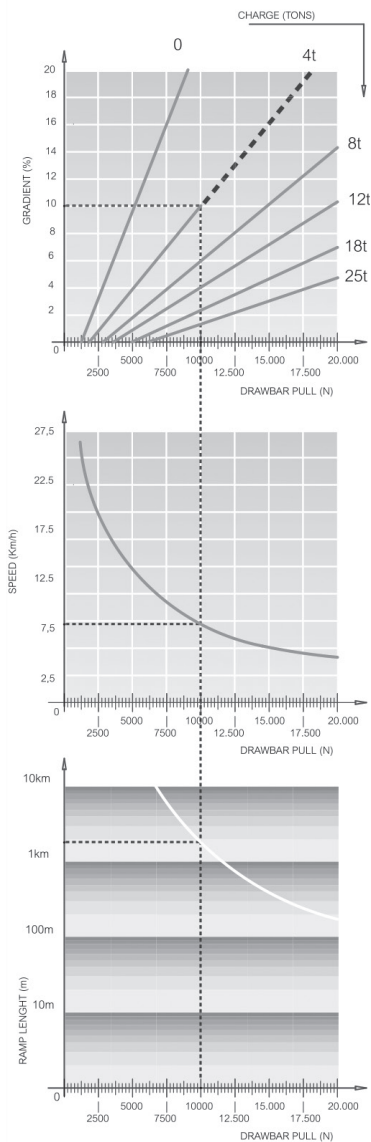
Dimensions are not binding and can be changed in any moment. The performances must be intended for brand new machines, after having completed the running-in tested in San Donato Milanese factory in normal climatic conditions.

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

Some data can vary according to different equipments.

Towed weight

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



Standard equipments:

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

