

## TRACTIVE TUG - Specification and Options

|                                   |                 |
|-----------------------------------|-----------------|
| <b>Model</b>                      | TT100           |
| <b>Towing Capacity on rails</b>   | 10000kg         |
| <b>Towing capacity on castors</b> | 2000kg          |
| <b>Max Weight transfer</b>        | 500Kg           |
| <b>Draw Bar Pull</b>              | 1000N           |
| <b>Drive System</b>               | AC Control      |
| <b>Motor Power</b>                | 1000W           |
| <b>Controller</b>                 | 200A AC Control |
| <b>Battery Capacity</b>           | 26A/h           |
| <b>Max Speed</b>                  | 6 Kph           |
| <b>Turning circle</b>             | 1.5m            |



**Standard Specification** - Tractive Power orange/black powdercoat mild steel body. Includes battery state indicator with service hour meter, industrial polyurethane drive wheel, 8A on-board charger, 26A/h sealed AGM lead-acid batteries and full 1 year warranty.

### **Battery Options**

Sealed batteries 26A/h (5 hour rate)  
Interchangeable 26A/h battery packs (5 hour rate)

### **Additional Cost**

Standard  
Option

### **Charger Type**

100-230v Auto 8A Charger High frequency on-board

Standard

### **Traction tyre Options**

Polyurethane (Solid)

Standard

### **Ancillary Options**

Strobe light (inc mounting kit)  
Audible Alarm  
Extra weight  
Key Pad power up with auto timer power off  
Security lid lock  
Multi-speed headset switch

Option  
Option  
Option  
Option  
Option  
Option

**Specifications continued below.....**

**Specification sheet continued.....**

**Machine material Options**

Other Powdercoat colour  
304 Stainless steel standard satine finish (metalwork only)  
316 Stainless steel standard satine finish (metalwork only)  
Specified polished finish

Option  
Option  
Option  
Option

**Specified compliance**

IP rating 44  
Zone 1  
Zone 2  
Easy clean (minimal ext. fasteners)

Standard  
Option  
Option  
Option

**Standard Coupling Options**

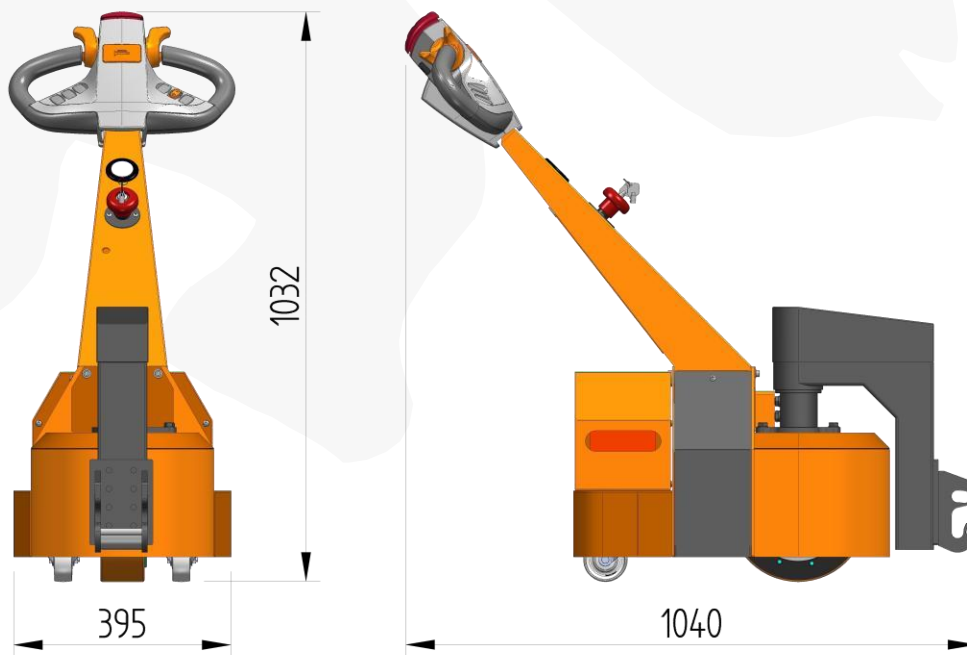
Push pad  
L-shaped  
Push pad adjustable  
L-shaped adjustable  
Dairy cage  
Channel Coupling  
Special design couplings

Option  
Option  
Option  
Option  
Option  
Option  
Option

**Note:**

If you have any special requirements that you do not see listed above, then please do not hesitate to contact us.

**Overall Dimensions**



## **TT50/100 Machine Overview**

All our Tractive tug units have an orange and black powder coated mild steel body as standard. This standard specification also includes a battery state indicator with service hour meter, polyurethane drive tyre, 8A on-board charger, 26A/h sealed lead-acid batteries and full 1 year warranty.

## **Headset/Throttle control**

The headset of the TT50/100 houses the speed control, horn and emergency reverse/anti-trap button. The throttle uses a 0-5v input to the controller, giving a smooth, fully variable speed control from 0-100% speed. (Max speed is 6Kph). The headset also has provision for an additional two switches such as a high/low speed switch. There is also an option for a creep button located at the back of the headset which is in the form of a momentary switch.

## **Emergency disconnect**

This is a lockable emergency disconnect used to switch the machine off or as an emergency battery isolator. When this is pressed the electro-magnetic brake will automatically engage, preventing the machine from moving.

## **Battery hour meter**

A display unit showing the power remaining in the battery via a LCD display screen which can be programmed to give you any machine information you require. Usually the LCD display will show the amount of hours a machine has run, but can be used to show speed, hours remaining before next service is due. It will also display fault code information.

## **Charger**

A high frequency micro-processed on board charger is supplied with 110/230V input and 8A output.

## **Controller**

A fully programmable AC controller utilises the latest in materials handling control systems. The controller uses a closed loop system that is connected to the motor bearing encoder. This means that whatever speed input is selected the controller will maintain constant speed regardless of gradients.

A multitude of programmable settings including acceleration rate, brake rate, deceleration, sensitivity of throttle control etc. can be changed to make the Tractive unit work to the customer's exact requirements.

## **Motor/Gearbox unit**

A planetary gearbox with a 800W or 1000W AC motor gives a total draw bar pull of up to 1000N. An electro-magnetic brake is used to prevent the machine from moving when stationary. This automatically disengages and engages when throttle input is present or not.

## **Tyres**

Industrial polyurethane for maximum durability.

## **Batteries**

Using AGM technology (Advanced Glass Mat) the 12V batteries are specially designed for traction applications. Batteries are wired in series to give power to the 24V DC system. The AGM batteries are completely sealed and can be mounted in any orientation. Even if the battery casing is punctured, these batteries will not leak.