

# TE.206

Electric Tow Tractor



The Charlotte TE.206 tow tractor is a battery powered electric three wheel towing vehicle that has been utilized in many sectors of industry including airports, automotive, railway, and hospitals. The unit is a compact highly maneuverable vehicle, which allows easy access to the operators compartment with good front and rear visibility. The unit features a low step for easy operator access. It also incorporates a rear platform for additional carriage capacity.

The unit is capable of a top running speed of 9 mph (14.5 km/h) when empty with a drawbar pull of 1000 lbs. (453.6 kg). Options include tilting operators cab, onboard charger and monobloc batteries.

## STANDARD FEATURES

- Ø Robust chassis design
- Ø Hydraulic braking system with regen braking
- Ø Hydraulic power steering available
- Ø Very low center of gravity
- Ø Motor directly coupled to rear axle eliminating drive line
- Ø Adjustable over-center park brake lever

# TE.206

## TECHNICAL CHARACTERISTICS

|                         |                              |            |                      |             |
|-------------------------|------------------------------|------------|----------------------|-------------|
| <b>Manufacturer</b>     | Manufacturer                 |            | Charlotte of America |             |
| <b>Model</b>            | Manufacturer's Designation   |            | <b>TE.206</b>        |             |
| <b>Capacity</b>         | Rated Load                   | Ton        | 6                    |             |
| <b>Energy Source</b>    | Battery                      | Volts      | 48V                  |             |
| <b>Battery Capacity</b> | Industrial Battery           | AH         | 220-240              |             |
| <b>Controller</b>       | Manufacturer                 |            | Sevcon               |             |
|                         | Model                        |            | PowerPak             |             |
| <b>Traction Motor</b>   | Type                         |            | DC Series Wound      |             |
|                         | Rating                       | Hp / kw    | 8.0 / 6.0            |             |
| <b>Dimensions</b>       | Length With Tow Hitch        | in / mm    | 84.3 / 2140          |             |
|                         | Width                        | in / mm    | 41.3 / 1050          |             |
|                         | Height                       | in / mm    | 47.6 / 1210          |             |
|                         | Sitting Height               | in / mm    | 20.5 / 520           |             |
|                         | Inside Turning Radius (min)  | in / mm    | 43.3 / 1100          |             |
| <b>Performance</b>      | Speed Max (Empty On Level)   | mph / km/h | 8.7 / 14.0           |             |
|                         | Tractive Effort (Max)        | lbf / daN  | 1000 / 450           |             |
|                         | Admissible Gradient          | %          | 4                    |             |
| <b>Chassis</b>          | Frame Mfg. W/Jigs & Fixtures |            | Yes                  |             |
|                         | Auto Design Wiring Harness   |            | Yes                  |             |
|                         | Wheels Front/Rear            |            | Pneumatic or Solid   |             |
|                         | Tire Front                   |            | 4.00 - 8             |             |
|                         | Tires Rear                   |            | 4.00 - 8             |             |
|                         | Ground Clearance             | in / mm    | 3.0 / 75             |             |
|                         | Service Brake                |            | Hydraulic            |             |
|                         | Brake, Front                 |            | Disc                 |             |
|                         | Brakes, Rear                 |            | Drum                 |             |
|                         | Parking Brake                |            | Over center w/handle |             |
|                         | Suspension                   | Front      |                      | None        |
|                         |                              | Rear       |                      | Leafsprings |
|                         | Gross Weight                 | lb / kg    | 2314 / 1050          |             |
| <b>Axle</b>             | Manufacturer                 |            | Charlotte            |             |
|                         | Motor Direct Coupled To Axle |            | Yes                  |             |
|                         | Reduction In Differential    |            | Yes                  |             |



These descriptions are given as an indication only and do not represent a commitment



### Charlotte America

P.O. Box 968  
600 Mountain Lane  
Bluefield, VA 24605  
Phone: (276) 326-1510  
Fax: (276) 326-1602  
e-mail: [equipmentsales@charlatteus.com](mailto:equipmentsales@charlatteus.com)

### Charlotte France

Z.I. - Route du Boutoir  
89210 Brienon sur Armancon (France)  
Phone: (33) 386 43 01 30  
Fax: (33) 386 43 04 66  
e-mail: [contact@charlattemanutention.fayat.com](mailto:contact@charlattemanutention.fayat.com)

### Charlotte United Kingdom

LSUK Building  
Spindle Way  
RH10 1TG Crawley West Sussex  
United Kingdom  
Phone: (44) 01 293 529 640  
e-mail: [ukparts@charlattemanutention.fayat.com](mailto:ukparts@charlattemanutention.fayat.com)