

The bicycle car Dtrike

Cycling is cheap, good for the environment and good for health. But still, few people ride bikes. In Sweden, 13% cycle in the summer but only 7% in the winter. So **600,000 cyclists puts their bikes away in the winter**. Dtrike is designed as a safer and more comfortable all-weather bike. And should be able to appeal to a large percentage of those who park their bikes in the winter or when it rains.



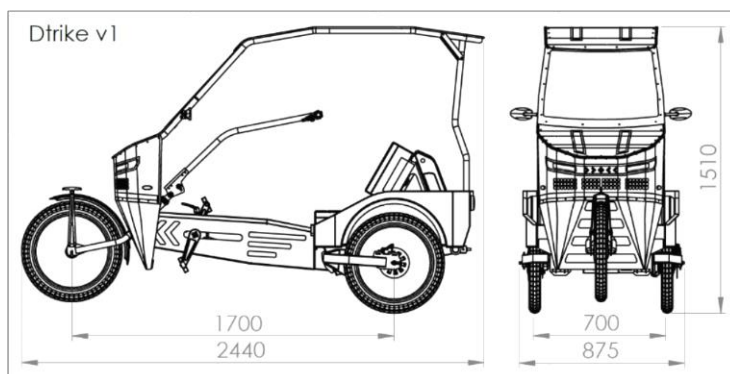
Dtrike is a three-wheeled recumbent bike with one wheel in front and two wheels in the back. You sit between the rear wheels, which makes it very stable and easy to sit in. The seat height is about the same as in a passenger car, so you can see and be seen well in traffic. The pedals can be easily adjusted back and forth for riders of different heights. Behind the seat there is room for luggage and there are also the batteries. The motor is a 250w e-bike motor that runs a maximum of 25 km/h so it is completely legal and can be driven on both roads and cycle paths.



The front and roof are made of aluminum tubes and plastic sheets, and the sides are made of fabric that is fastened with zippers along the edge of the roof. When the sun comes out, you pull up the zipper and roll up the sides and fasten them to the rear roll bar. The roof also makes it possible to load lighter things on a roof rack (skis, surfboard, sun lounge, fishing rod).



I've worked on a bike car before (PodRide) that didn't make it to market despite fantastic interest. I now have used those experiences to create this new product. To test the basics, I have built a similar body on an old recumbent bike. Overall, it works very well and it feels very nice to pull the sides when it's raining and cold. Was also pleasantly surprised that it was so fun to drive and so stable in the curves. Now I have made drawings of an updated complete version which I am in the process of getting prices for and building a more serious prototype of. In addition to testing, the prototype will be used for image and film material for a first sales round.



Data:

Length: 244cm, Width: 88cm, Height: 151cm, Motor: 250w, Speed with engine: 25km/h, Wheels: 20", Gears: 7 speed hub, Brake: 2x 160mm brake discs, Weight: approx. 75kg, Seat height: 48cm.