

WAW, RAW and eWAW cycles: 2015 Technical and Legal Specifications.

The WAW, RAW and eWAW velomobiles are fast and light human powered vehicles, designed for safe, four-season, practical and comfortable personal mobility. All three are produced by Katanga s.r.o., C°N° CZ29272335, Hrnčířská 574/8, 60200 Brno, Czech Republic, +420 602 724 063, info@katanga.eu, www.katanga.eu.

Technical Specifications:

Fuel: Human powered (WAW, RAW) or biohybrid (eWAW) human + electric.
Frame material: carbon, aramid and fibreglass / epoxy composites, aluminium, steel.
Number of wheels: three. Rear wheel driven, Front wheel steered.
Brakes: Two independent Sturmey Archer 70mm brakes, optionally 90mm.
Steering: Joystick type, zero scrub radius, Ackermann and anti-Ackermann.
Transmission: Bicycle type, chain and cogs, derailleurs or internally geared hubs.
Standard equipment: LED lights, pump, horn, patch kit.
Weight: ca. 22-28-35 kg (RAW-WAW-eWAW).
Maximum payload 110 kg.
Battery (eWAW): LiFePO4 36V nominal, 10 - 15 Ah
e-Assist motor (eWAW): maximum continuous rated power 250W, acceleration assistance limited to 25 km/h, pedelec system with pedal sensor.

Legal Specifications:

At present, by Chapter I, article 1, 1.(f), the eWAW is excluded from the *Directive 2002/24/EC of the European Parliament and of the Council of 18 March 2002 relating to the type-approval of two or three-wheel motor vehicles and repealing Council Directive 92/61/EEC*. ([32002L0024](#)).

Therefore they are categorised as (bi-)cycles and are not subject to the obligation of a Certificate of Conformity.

However, by Belgian law they are categorised as 'rijwiel', meaning they are allowed on the road as well as on cyclepaths (KB 01/12/75 art. 9.1.2.1°).

Gent, Belgium, 29-04-2015.
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