

# **swissauto<sup>®</sup>**

*if you can't beat it, buy it*

# **250**

## **ENGINE RANGE**

*Both in terms of durability and performance, helvenco AG aims to become the world's number one manufacturer of 4-stroke kart engines by pioneering the development of quick, handling-efficient engines. The current line-up boasts a wide range of models in which the company's technological edge has been crystallized. Among these engines, the latest EFI model in particular reflects the trend of today's karting demands.*

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### **VT1 EFI - 250 DOHC – 38Hp – complete engine:**



The VT1 EFI – swissauto250 engine is delivered including exhaust system, 37mm throttle body, electric fuel-pump, air-box kit, engine mounts, radiator, battery box, programmable ECU, clutch and assembly instructions. In fact, just assemble the parts, add oil and water and go. Available options: Rubber for exhaust, shock absorbing sprocket carrier (50mm only). Recommended age: 15 years+

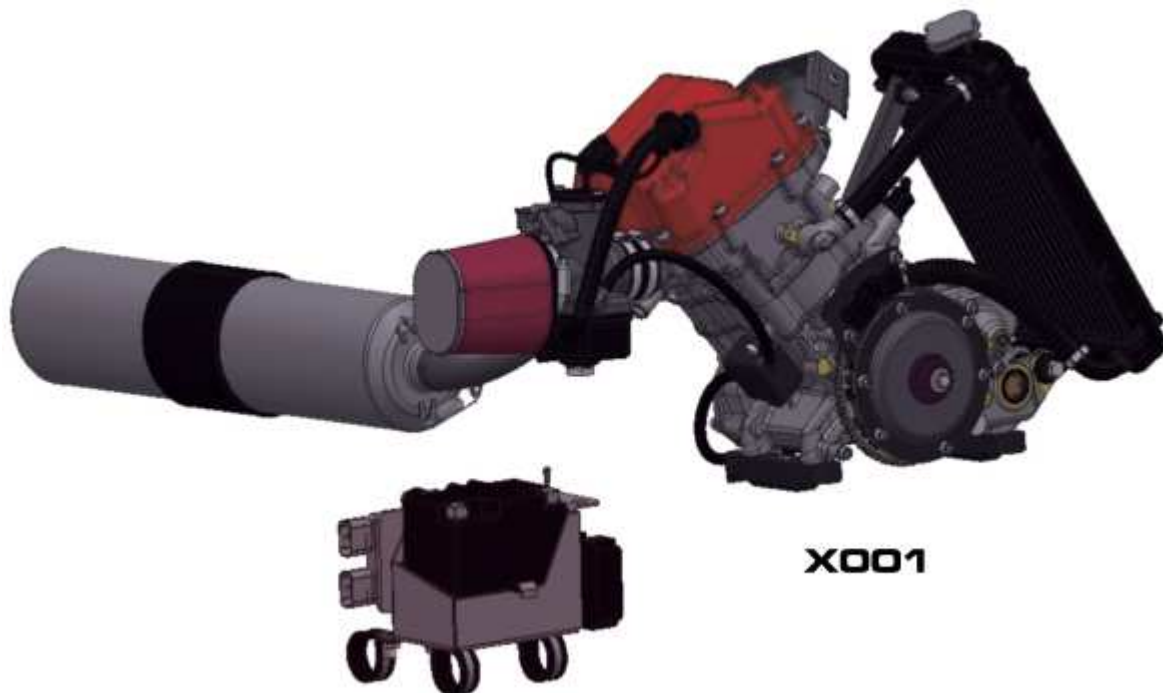
**Order number: 03001400**

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# **250**

## **VT1 CARB - 250 DOHC – 35Hp – complete engine:**



The VT1 CARB – swissauto250 engine comes complete with exhaust system, 30mm carburettor, fuel-pump, air-filter, engine mounts, radiator, battery box, ECU, clutch, and assembly instructions. This engine can be upgraded to a VT1 EFI.

Available options: Rubber for exhaust, air-box kit, intake torque tube, shock absorbing sprocket carrier (50mm only), EFI kit. Recommended age: 15 years+

**Order number(s): 03000400**

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## **VT2 - 250 DOHC – 28Hp – complete engine:**

The VT2 – swissauto250 engine is 100% equal to the VT1 version but comes with a 25mm intake restrictor as an option.



Upgrading a swissauto250 VT2 to VT1 is simply done by removing the air restrictor, or better by replacing it with the intake torque tube option. Recommended age: 14 to 16 years

**Order number(s): 03000400 + 03400307**

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## **VT3 CARB - 250 DOHC – 22Hp – complete engine:**

For the VT3 category we use a VT1 swissauto250 engine combined with a 20mm dellorto carburettor kit. This engine is also a lot used for endurance racing.



35Hp total output can be reached just by replacing the 20mm carburettor in a 30mm dellorto. This option is much turned into account for optimization of the driving skills during training sessions. Recommended age: 12 to 16 years

**Order number(s): 03000410**

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## **VT4 - Mondial - 250 DOHC – 15Hp – complete engine:**

In fact a VT4 configuration is a VT3 engine with a smaller 16mm intake flange. So again we use a VT1 swissauto250 engine combined with a restricted 20mm dellorto carburettor kit.



It is also possible to buy the intake flange of the VT3 configuration as an option so young drivers already can train with more speed. Recommended age: 11 to 14 years

**Order number(s): 03000420**

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## **VT1 - 250 DOHC – 35Hp – spare engine:**



The VT1 – swissauto250 spare engine is thought as a quick replacement engine. It comes without exhaust system, carburetor/throttle body, air-filter, radiator, battery box, and ECU. It does have a mounted clutch, fuel-pump, charge coil, ignition coil, pick-up sensor and the engine mounts. It definitely is the cheapest way to have a second swissauto250 race engine.

**Order number(s): 03000430**

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## **VT1 - 250 DOHC – 35Hp – naked block:**



The name speaks for itself; a VT1 – swissauto250 naked block is a completely stripped engine. It exists only out of the “turning parts” meaning the following parts are not included: Exhaust system, carburetor/throttle body, air-filter, radiator, battery box, ECU, clutch, fuel-pump, charge coil, ignition coil, pick-up sensor nor the engine mounts. In case you would have a total loss engine, this is the most economic way to replace it.

**Order number(s): 03000450**