

## **CLASS 12**

### **OPEN WHEEL – AIR COOLED**

### **SINGLE OR TWO SEAT VEHICLES LIMITED TO AIR COOLED ENGINES**

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#### **COMPETITION REGULATIONS**

This class is an open class and all components will be considered open unless restricted herein

#### **SUSPENSION COMPONENTS**

Front suspension Front suspension is limited to VW type 1 configuration. Suspension must be of the twin beam, trailing arm type. Beam is open. This includes width and manufacturer. Trailing arms are open this includes width length and manufacturer. Spindles are open.

#### **ENGINE, TRANSMISSION AND DRIVELINE**

##### **Engine and Engine Displacement**

Engine must be VW air cooled type and conforms to the following:

- (1) it retains a maximum of two valves per cylinder.
- (2) Single seat vehicles do not displace more than 1776cc.
- (3) Two seat vehicles do not displace more than 1835cc.
- (4) All vehicles limited to 1 carb of any type.
- (5) Carb retains a maximum of 2 venturies per cyl.
- (6) Maximum allowable venture size for two valve engines is 42mm.
- (7) Carburetors must be of the automotive type.
- (8) This is a rear engine class only; engine must be located behind rear axle centerline.

##### **New Class 12 Engine Option**

Engine must be a Type 1 VW

##### **Displacement:**

Single Seat vehicles do not displace more than 2020cc  
Two Seat Vehicles do not displace more than 2120cc  
Any Bore/Stroke Combination Allowed

##### **Carburetors & manifolds:**

Individual runner manifolds only, No balance tube. 1 3/4in maximum runner size.  
No Plenum Manifolds allowed.

OE End Castings only Allowed. Any modifications allowed.

All vehicles limited to 1 carburetor

Weber 44IDF & EMPI HPMX 44 carburetor only allowed

Maximum venturi size is 34mm

##### **Piston:**

Open

**Crankshaft:**

Open

**Compression Ratio:**

Maximum compression ratio limited to 9.0:1.

**Cylinder Heads:**

Any manufacture cylinder head. Titanium retainers are allowed. Any valve size and manufacture allowed. Any valve spring size and manufacture allowed.

**Camshaft and Rocker Arms:**

Only 1.1:1 & 1.25:1 rocker arms allowed. No roller tip rockers allowed.

Any rocker shaft manufacture allowed.

Any camshaft and lifter manufacture allowed.

Any Timing Gears allowed.

Aftermarket VW type fan shrouds allowed. Has to be upright type 1 VW shroud.

No Porsche 911 shrouds allowed.

**Oil pump and oil system:**

Any manufacture oil pump is allowed. Dry sump, deep sump, and accusump systems allowed.

**Ignition**

Any ignition system allowed

**Weight**

Minimum 1500 lbs.

Weight shall be considered dry weight for long course and wet weight for short course (dry weight is with all fuel tanks drained.) Tools, spare tires and parts must be removed. But otherwise the vehicle must be race ready. Official weight will be considered weight shown on official scales.