

# AIRflow



## VM133M

# VERNER

## Aircraft Engines

Benelux  
France

### Technical specifications:

**Displacement** 1330 cc /85.19 cubic inch

**Bore** 97 mm /3.81 inch

**Stroke** 90 mm /3.54 in

**Compression ratio** 1 :9.5

**Maximum power** 84 BHP (61 kW) @ 5500 RPM (5 minutes max.)

**Max. continuous power** 72 BHP (52 kW) @ 4500 RPM

**Torque** 119 Nm (85 ft/lb) @ 4000 RPM

**Fuel spec. consumption** 210 g/HP/hour (285g/kWh) at maximal continuous power (0.47 lb/hph)

**Propeller rotation** W, viewed from the front, tractor propeller (tractor propeller) - like Rotax 912

**Weight dry weight:** 60 kg, oil cooler: 1 kg, exhaust pipe: ~4 kg

**Ignition timing** 5° BTDC up to 2500 RPM, after, electronically variable

**Spark plugs** NGK DCPR9E R diameter 12 mm

**Spark plug gap** 0.4 mm (0.016 in)

**Electric starter** 12 V/1000 W

**Generator (Alternator)** 12 V/160 W (13 Amp)

**Lubrication** semi-synthetic motorcycle oil SAE 15W-50, API SH-CF (oil capacity 2.5 ÷ 3 liters)  
(we use DENICOL Pro 2000 racing motorcycle oil)

**Fuel aviation petrol** 100 LL AvGas or motor petrol, octane number 95 or more

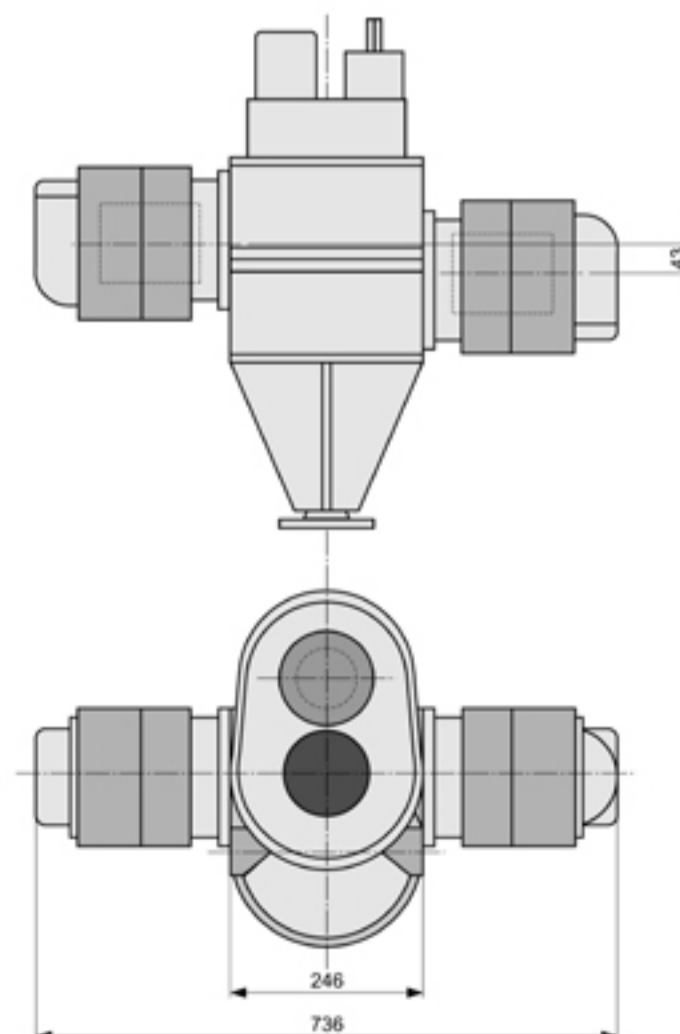
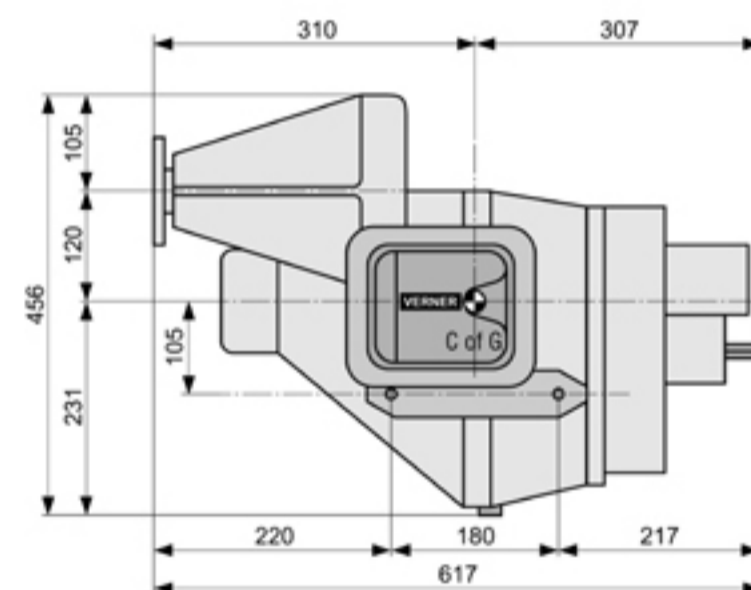
**Fuel pump** Pierburg 7.20971.63

**Carburetors** 2 × BING 64

**Reduction drive** 1 : 2 or 1 : 2.29 gear box, lubricated with motor oil

**Propeller hub** 75 mm B.C. × 6 × M8 mm tapped holes and Rotax standard on request

**Recommended** TBO 1000 hours



PRODUCTION - DIFFUSION

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