



FLYDIVER.COM
VERNER ENGINES
FULL SERVICE DEALER



VERNER VM133MK
84hp 1300cc

SHELTON, WA
360.490.6268

WWW.FLYDIVER.COM

Detailed Photos & Specifications

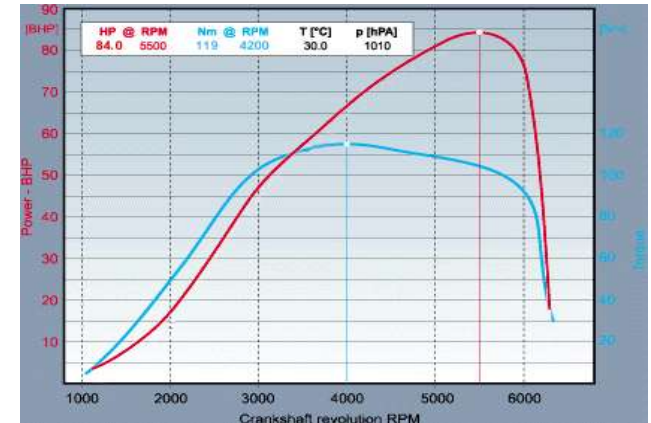
Boxer Engine Comparison Chart

Make / Model	Verner 133MK
Style	2 Cylinder 4 Stroke
Horsepower	84 @ 5500 rpm 3 min. 70 continuous @ 4200
Fuel Consumption (gal. / hr.)	2.65 @ 3750 (75% power)
Total Installed Weight Dry w/ carbs, GB, ES, Alt., Coolant Containers (if any) and Exhaust	134.2 lb w/o exhaust & oil cooler 146.2 lb. installed No water weight
Cooling System	Oil / Air (wet sump)
Carburetion / Ignition	DCDI
Torque	88 ft./lb. @75%
Gear Box	Internal 2:1 or 2.29:1
Electric Start	Yes + Alternator
Engine Instruments Included	Oil Pressure Light
TBO	1000

Rotax 912	HKS 700E
4 Cylinder 4 Stroke	2 Cylinder 4 Stroke
81 @ 5500 rpm 5 min. 79 continuous @ 5000	60 @ 6200 rpm 56 @ 5800 rpm
5.1 gal. / hr. @ 75%	2.38 @ 4750 rpm
127.8 with carbs 140.8 installed + water & oil weight	55KG / 121lb.
Water / Oil / Air (dry sump)	Oil / Air
DCDI	DCDI
912: 61.2ft./lb.@75% 914: 77.6 ft./lb@75%	
Included	Included
Yes	Yes + Generator
No	
1200 (UL) 1500 (certified)	500

More & Less Than The Competition

- More Power 84hp@5500rpm
- More torque @ 75% power than R914
- Much Better Fuel Consumption 2.65 gal./hr.
- Less Plumbing Oil & Air Cooled, No Water
- Wet Sump No Radiator - No Oil Canister
- Lower Initial Cost Lower Installation Cost
- 4 Stroke Reliability **1000 Hour TBO**
- Electric Start, 160W Alternator, Dual CDI/ECU Ignition, all Standard
- *And you get the Verner 133MK for thousands less than a comparable R912*



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Verner Factory Authorized
Service Technician
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Full Specs and Photos at WWW. FlyDiver.com

Engine Specifications

VM133MK

VM133S

Displacement 1329 cc / 85.13 cubic inch
 Bore 97 mm / 3.81 inch
 Stroke 90 mm / 3.54 in
 Compression ratio 1 : 9.8
 Max power 84 BHP (63 kW)@5500 rpm 3 min. max
 Max. continuous power 70 BHP (51 kW)@4200rpm
 Torque 119 Nm, 88ft/lb@4200rpm
 Propeller rotation CCW, viewed from the propeller end - like R912
 Crank case and covers Magnesium alloy
 Weight bare 61 kg / 134.2 lb
 Weight w/muffler & oil cooler 146.2 lb
 Spark plugs DCPR9E
 Electric starter 12 V/1000 W
 Generator (Alternator) 12 V/160 W (13 Amp)
 Lubrication oil class SH/SG 5
 Fuel motor petrol, octane 95
 European 92 USA
 Fuel pump Pierburg 7.20971.63
 Carburetors 2 x Bing 64
 Reduction drive 1:2.0 or 1:2.29 internal lubricated with motor oil
 Propeller hub ø75 x 6 x M8 mm tapped holes, ø80 x 6 x 13 holes, ø101,6 x 6 x 13 holes
 Battery 17 Ah (24 Ah for best life)
 Recommended TBO **1000 hours**

1329 cc / 85.13 cubic inch
 97 mm / 3.81 inch
 90 mm / 3.54 in
 1 : 9.8
 80 BHP @ 5500 rpm 3 min. max
 68 BHP @ 4200rpm
 CCW, viewed from the front (tractor propeller) - like R912
 Magnesium alloy
 60 kg / 132 lb
 144 lb
 DCPR9E
 12 V/1000 W
 12 V/160 W (13 Amp)
 oil class SH/SG 5
 motor petrol, octane number 95 European
 Pierburg 7.20971.63
 1 x Bing 64
 1:2.29
 1:2.0 or 1:2.29 internal lubricated with motor oil
 ø75 x 6 x M8 mm tapped holes, ø80 x 6 x 13 holes, ø101,6 x 6 x 13 holes
 17 Ah (24 Ah for best life)

Coming Soon

**VM133MK -- Fuel Injected, Supercharged
 Scheduled for late 2009 production release**

Who Flies Verner Engines?

Trikes: Aerocruise, Northwing, Apex, AKS

Fixed Wing: Bailey-Moyes Dragonfly, Cherry, Cora (Cz), Drifter (Australia), Ekolot (Cz), Falcon, G3 Mirage, Genesis, Ipar Stella & Magic, Kitfox, Kolb Mk III, M-Squared, Murphy Renegade, Petrel, Potier, RANS S6, S12, S7, JK05, Revelation, RANS Coyote and Coyote II, Piper UL, Skyboy (Czech), SkyRanger, Stella, Sunny, Sunrise, TITAN, Wild Thing, Xair, Zephyr 2000, Zenith

Gyro: TwinStar

Hovercraft: Hovertech--**3 engines with More than 2500 trouble free hours NO OVERHAUL!**



Kitfox



Sky Ranger