

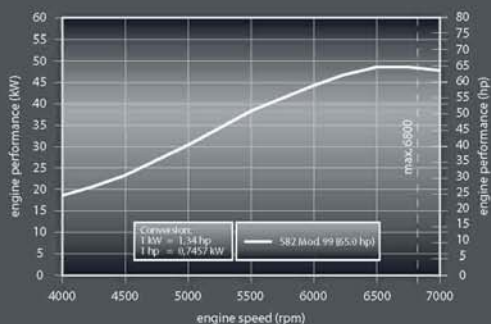
DESCRIPTION

2-cylinder, 2-stroke liquid cooled engine with rotary valve intake, with dual electronic ignition, integrated water pump and thermostat, exhaust system, carburetors, rewind starter



Picture: 582 with options

ENGINE PERFORMANCE



- highly reliable 2 stroke engine
- class leading power to weight ratio
- liquid cooled
- 20 years in production and still state of the art

VERSION	PERFORMANCE			TORQUE		MAX RPM	
	kW	hp	1/min	Nm	ft. lb.	1/min	1/min
582 Mod. 99	48	65	6500	75	55.3	6000	6800

BORE		STROKE		DISPLACEMENT	
76 mm	2.99 in	64 mm	2.52 in	580 cm ³	35.4 cu. in.

FUEL	Super 2-stroke motoroil	MIXING RATIO
min. MON 83 RON 91*	API - TC - Classification	582: 1 : 50
min. AKI 87*		or optional with fresh oil pump

* leaded or unleaded

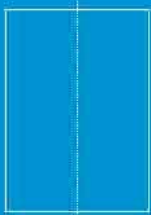
WEIGHT	kg	lb
engine	29.1	64.0
2 carburetors	1.8	4.0
exhaust system	5.1	11.2
electric starter	3.5	7.7
propeller speed reduction unit "B" / i = 2.58	4.5	9.9
propeller speed reduction unit "C" / i = 2.62/3.0/3.47/4.0	8.0	17.6
propeller speed reduction unit "E" / i = 2.62/3.0/3.47/4.0	11.2	24.7



WARNING: The ROTAX UL aircraft engines do not comply with federal safety regulations for standard aircraft. This engine is for use in experimental and ultralight uncertified aircraft only and only in circumstances in which an engine failure will not compromise safety. Before operating the engine read operator's manual. Information is available from your local authorized ROTAX®-distributor.

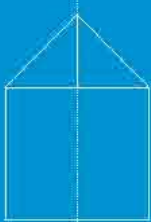
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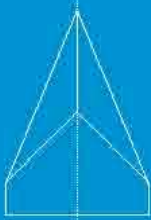
1

First fold a A4 size sheet of paper lengthwise along the dotted line and open it again. The fold becomes your centre line.



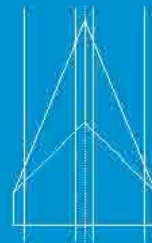
2

Fold the upper corners down towards the centre line.



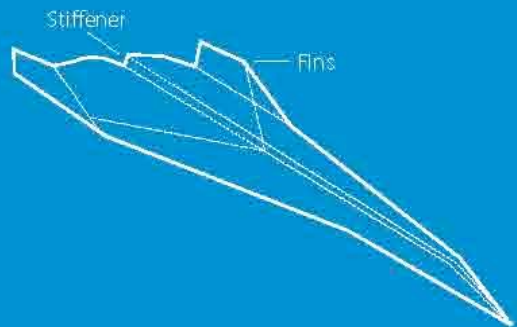
3

Fold the tip formed in this manner again to the centre.



4

To form a straight stiffener, fold inward again along the centre line then fold outward about 1 to 1.5 cm from the centre line. Fold the fins upward 1 to 1.5 cm from the edge of the wings.



White lines: Fold downwards (away)
 Red Lines: Fold upwards