What has been tried so far to reduce noise in F2C

Volodymyr Fulitka

ZALP engine.

Venturi size	4.6 mm
Piston induction	0.6 mm
Reduced exhaust period to	135 degrees.
Noise down by 4 dB to	93 dB at pilot in circle.
Speed +0.2	seconds.

Victor Yugov & Sosnovki

YUGOV & SOSNOVSKI engines test Kiev 2013

Venturi 3.0	mm
Piston induction	0.5 mm
Exhaust period?	
Noise at pilot in circle	94dB(A)
Flight speed	18.3 – 18.9 (+1.3 – 1.8) for 42-44 laps.

Rob Metkemijer

PROFI, engine open exhaust

Venturi 3.0	mm
Piston induction	0 mm
Exhaust period ?	
Noise at pilot in circle	92.2 dB (A) (-2.7)
Flight speed	18.7 (+1.2)

Yugo & Profi engines with side resonant mini pipe.

Profi

Venturi 4.85	mm
Piston induction	0 mm
Exhaust period ?	
Noise at pilot in circle	80 dB(A) (-14)
Flight speed Profi	18.4 (+1.1)

Yugov

Venturi 4.85	mm
Piston induction	0 mm
Exhaust period ?	
Noise at pilot in circle	82.1 dB(A) (-14)
Flight speed Yugov	18.1 (+1.1)

Rob Fitzgerald

Lerner engine

Venturi 4.5	mm
Piston induction	0.4mm
Exhaust period ?	
Noise at pilot in circle	93.0 dB(A)
Flight speed	16.9 for 33 laps

Venturi 3.0	mm
Piston induction	0.4mm
Exhaust period ?	
Noise at pilot in circle	88.0 dB(A) (-5)
Flight speed	18.9 for 50 laps.

Lerner engine with molded bubble to duct the exhaust (hopefully more details to come)

Noise at pilot in circle	85dB(A)
Flight speed	no loss of speed.

Peter Halman

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