

GOLDEN SKIES R/C AIRCRAFT, INC.

FALCO F.8L

November 26, 2010

The Falco model aircraft is an ~ 1/4 scale of full size. (Actual 26.7% - See Table 1)

- Some slight modification to true scale has been made for aesthetic reasons.
- As close to scale outlines as possible, consistent with best flight characteristics.
- Proficient at all sport and IMAC aerobatics.

Specifications: (Overview):

Scale:	26.7% Scale (See Table 1)
Wing Span:	~ 84" Wing span
Wing Area:	~1098.4 sq. in.
Length:	~ 69.7" (not including Spinner)
Weight:	< 8 pounds ARF Weight (out of box) < 15-17 lbs, Ready to Fly, (depends on equipment installed)
Wing loading:	25-30 oz./sq. ft. target
Servos:	7-8
Engine:	40-50cc gas or 1.8 to 2.2 Nitro-Fuel or electric
Radio:	6 channels with retract
Build Type:	ARF
Sell Price:	\$525.00 USD target, not including retracts
Color scheme:	Ferrari Red. (Others optional)
Instrument panel:	Detailed. (Similar to Figure 4)
Canopy:	Nustrini Canopy

Control Surfaces:

- Air-foiled Tail Surfaces (See *.dwg Outline drawings)
- Elevator, Dual Servos – Tail Mounted Servos
- Rudder, Pull-Pull, Servo mounted in wing saddle area.
- Ailerons w/ in-wing servos, one servo per Aileron
- FLAPS w/ in-wing servos, Fowler Type, one servo per flap
- Throttle, one servo, in wing saddle area or under the cowl
- Landing Gear, Tricycle Configuration
 - Retracts, electro-mechanical, **Optional**

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Table 1
Falco F8.L

	Full Scale			26.7%		
	Meters	Feet	In	Meters	Feet	In
Wing Span	8.00	26.25	315	2.14	7.01	84.11
Wing Area	9.94	107.00	15,408.00	0.71	7.63	1098.42
Length	6.63	21.75	261	1.77	5.81	69.69
Height	2.29	7.50	90	0.61	2.00	24.03
Wing Loading		14.95		2.0	0.01	31.5
Weight (Lbs)	1600.0	Lbs/HP	4.4	15.0	Lbs/HP	
Engine	340 HP Lycoming IO-540			210 2/s or 180 4/s or 40-50 cc gas		



White w/ Blue / Purple Stripe©

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