



F22 PINGUINO



Specification & Features



Variable pitch propeller, fixed or retractable gear. The best cost-effective primary trainer for private and professional pilot flight training programs



A roomy cockpit provides comfortable side-by-side seating for two people, with duplicated throttle for easy engine handling



The F22 family: one basic airframe for a variety of models, all fully acrobatic, capable to satisfy all possible operational requirements



Reliable engine installation, well accessible for easy and economic maintenance. An adequate instrument panel suitable for full IFR flight instruments and avionics installation

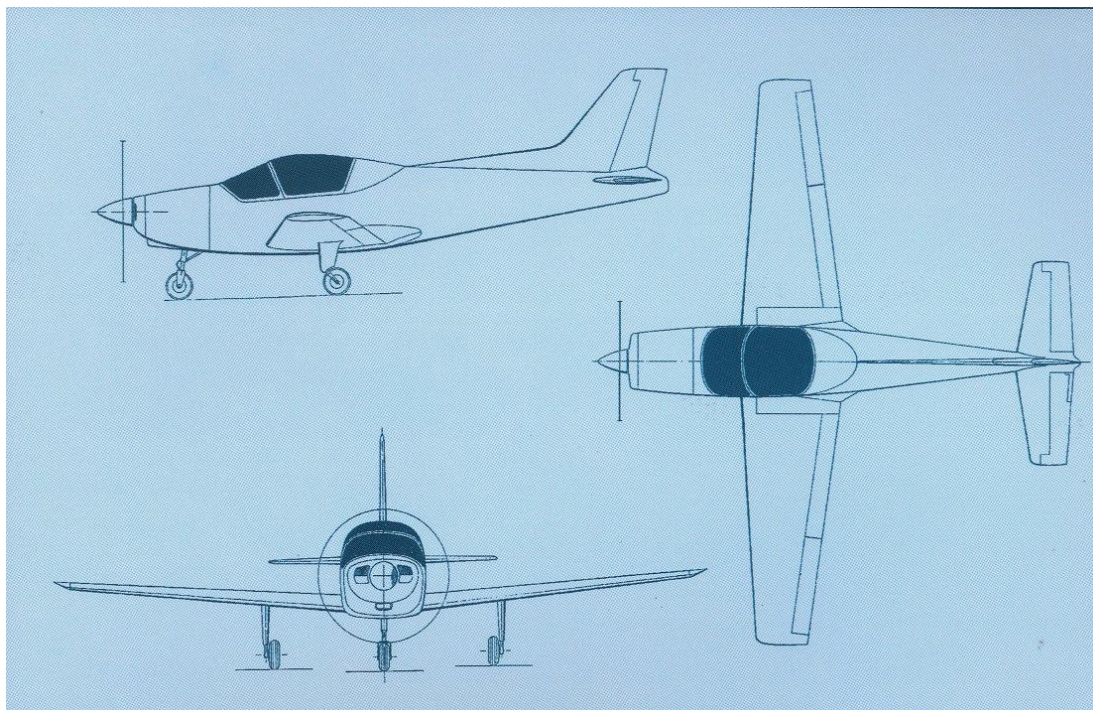




F22 PINGUINO



Specification & Features



TECNICAL DATA			F.22 A		F.22 B		F.22 R		F.22 C	
DIMENSIONS										
Span	ft	m	27,9	8,50	27,9	8,50	27,9	8,50	27,9	8,50
Length	ft	m	24,3	7,40	24,3	7,40	24,3	7,40	24,3	7,40
Height	ft	m	9,3	2,84	9,3	2,84	9,3	2,84	9,3	2,84
Wing area	sq ft	m ²	116,3	10,82	116,3	10,82	116,3	10,82	116,3	10,82
WEIGHTS										
Empty (basic airplane)	lbs	kg	1125	510	1170	530	1270	575	1290	585
Max T.O. (Cat. U)	lbs	kg	1720	780	1875	850	1875	850	1985	900
POWER PLANT										
Type			LYCOMING O-235-N2C		LYCOMING O-320-D2A		LYCOMING O-320-D1A		LYCOMING O-360-A1A	
Power			116 HP		160 HP		160 HP		180 HP	
Propeller (2 blades) fixed			MT-180-120-2C		MT-180-140					
Propeller (2 blades) Variable Pitch							HARTZELL HC-C2YL-1BF		HARTZELL HC-C2YK-1BF	
Fuel capacity (1 tank)	U.S. Gals	lt	27,7	105	35,7	135	35,7	135	42,3	160
PERFORMANCE (ISA, SL, Max T.O. Weight Cat U)										
Max Speed	Kts	Km/h	122	225	140	260	165	305	178	330
Rate of climb	ft/mi n	m/sec	650	3,25	1.000	5	1.400	7	1.800	9
Stall speed (full flaps)	Kts	Km/h	50	92,5	52	97	53	98	54	100
Service ceiling	ft	m	13.000	3950	16.000	4.880	18.000	5.650	20.000	6.100
Max range	NM	Km	450	830	540	1.000	650	1200	755	1.400
T.O. run	ft	m	970	295	785	240	655	200	655	200
Landing run	ft	m	650	200	720	220	750	230	780	240
LOAD FACTOR										
			W = 1.650 lbs/ 750 Kg - Cat. A + 6g - 3g		W = 1.765 lbs/ 800 Kg - Cat. A + 6g - 3g		W = 1.765 lbs/ 800 Kg - Cat. A + 6g - 3g		W = 1.875 lbs/ 850 Kg - Cat. A + 6g - 3g	

AVIO INTERNATIONAL GROUP HOLDING S.A.

Legal place of business: Via Lugano, 13 – 6982 Agno - Switzerland

Italian factory: Via Stazione, 122 – 21020 Mornago (VA) – Italy

www.aviointernational.com

info@aviointernational.com