



The perfect basic training platform for tomorrow's pilot.

The G 120TP's unique combination of state-of-the-art open architecture mission simulation systems allows in-cockpit training of students in normal civil flight mode or military training mode that is optimized for initial through basic level flight training.

With GROB's Virtual Tactical Training system (VTT) the trainee pilot will be able to plan the mission and operate the system elements by means of real or simulated panels switches and HOTAS the same way its done in an advanced mission aircraft.

As pilots skills progress, high performance maneuvers and tactical missions with airborne simulations are now available, previously found only on light jets and multi-million dollar high performance turbo-prop trainers. By improving the quality of initial through basic level flight training while realizing enormous savings in life cycle costs, the G 120TP sets a new and unmatched standard in military pilot training.

Streamline your pilot investment of the future!

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G 120TP

The intelligent training solution for the 21st century



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Technical specification

Data subject to final confirmation

G 120TP is the only side by side military training aircraft certified in the 21st century with full aerobatic and military training capability.

Turbine-powered high performance combined with operating simplicity makes the G 120TP the ideal training platform for learning the first steps of flying all the way to pushing the envelope at 6g during the aerobatic training phase.

The optional Martin-Baker Mk.15B ejection seats add required safety for both instructor and student while advancing into more dynamic maneuvers during the training schedule. Especially designed for the G 120TP operation the Mk.15B ejection seat is fully automatic and cartridge activated, providing safe escape for most combinations of aircraft altitude, speed, attitude and flight path.

The G 120 success story continues with the new generation G 120TP.

Weights

Max. take-off weight (utility)	1,590 kg
Max. take-off weight (aerobatic)	1,550 kg
Max. landing weight	1,550 kg
Max. usable fuel capacity	288 kg / 360 Ltr
Max. crew/weight	295 kg
Max. baggage weight	50 Kg

Power Plant

Max. continuous power (MCP)	380 SHP
Max. power (MP, 5 min limit)	456 SHP

Flex power ratings available on request

Miscellaneous

Max load factors aerobatic	+6 / -4 g
Max operating altitude	25,000 ft

Operation: VFR day/night, IFR, non-icing conditions

Performance

Operating speed range	
Max. operating speed V_{MO} (MSL up to 10,800 ft)	245 kcas
Max. mach number M_{MO} (above 10,800 ft)	0.45
Stall speed V_S (MSL, landing configuration, utility)	58 kcas
Take-off and landing distances (MSL, ISA)	
Take-off distance over 50 ft (MTOW, no wind, no slope, utility)	374 m
Landing distance over 50 ft (MLW, no wind, no slope)	497 m
Cruise speeds, rate of climb, sustained g (ISA, MTOW)	
Max. cruise speed (MSL, MCP, utility)	218 ktas
Max. cruise speed (10,000 ft, ISA, MCP, utility)	237 ktas
Rate of climb (MSL, MP, aerobatic)	2,772 ft/min
Sustained g (MSL, MCP, 1,500 kg aircraft weight)	2.78 g
Range / Endurance (ISA, MTOW, 45 min reserve fuel, maximum fuel, utility)	
Range (5,000 ft, 75% MCP)	580 NM
Range (10,000 ft, 45% MCP)	735 NM
Endurance (10,000 ft, max. endurance power)	6 hrs



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