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G 120TP

The intelligent training solution of the 21st century



POWERED BY H3

Technical specification

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

Weights

Max. take-off weight (utility)	1,515 kg
Max. take-off weight (aerobatic)	1,440 kg
Max. landing weight	1,440 kg
Max. usable fuel capacity	288 kg / 360 Ltr
Max. crew / boarding weight	280 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 12,500 ft	235 KCAS
Max. mach number M_{MO} above 12,500 ft	0.45
Stall speed V_S (MSL, landing configuration, utility)	55 KCAS
Take-off and landing distances (MSL, ISA)	
Take-off distance over 50 ft (MTOW, no wind, no slope, utility)	345 m
Landing distance over 50 ft (MLW, no wind, no slope)	467 m
Cruise speeds, rate of climb, sustained g (ISA, MTOW)	
Max. cruise speed (MSL, MCP)	218 KTAS
Max. cruise speed (10,000 ft, MCP, utility)	237 KTAS
Rate of climb (MSL, MP, aerobatic)	2,978 ft/min
Sustained g (MSL, MCP, 1,350 kg aircraft weight)	3.1 g
Range / Endurance (ISA, MTOW, 45 min reserve fuel, 255 kg usable fuel, utility)	
Range (5,000 ft, 75% MCP)	520 NM
Range (10,000 ft, 45% MCP)	640 NM
Endurance (10,000 ft, max. endurance power)	5.6 hrs



The perfect basic training platform for tomorrow's pilot.

GROB is continuing the G 120 success story by upgrading the aircraft with the reliable RR 250-B17F turbine. The power upgrade eliminates the need for multiple fuels, because Jet A1 is available at most military operators locations.

Increased performance and manoeuvrability closes the gap between the classical basic tandem training aircraft and the G 120A. Combined reliability, increased power and system simplicity make the G 120TP the robust choice of aircraft.

The G 120TP's 21st century cockpit concept combined with superior manoeuvrability and increased power-to-weight ratio, provides a new dimension of potential. By improving the quality of initial through basic level flight training while realizing an enormous savings in life-cycle costs, the G 120TP sets a new and unmatched standard in military pilot training.

Streamline your pilot training investment of the future.

