

G 520 EGRETT

Certificate of Records by



National Aeronautic Association
Texas 1988

Time to Climb to 15.000 Meters: 40 minutes 47 seconds
Altitude in Horizontal Flight: 16.238,55 meters (53,276.09 feet)
Altitude without Payload: 16.329,35 meters (53,573.96 feet)

The perfect platform for high altitude
reconnaissance and surveillance.

Developed and Certified in 1991, the GROB G 520 is one of the world's largest fully composite manned and unmanned aircraft, providing an ideal system platform for OPV/UAV applications (Optional Piloted Vehicle).

The flexible payload-bay concept of the G 520 can accommodate multiple mission systems for both civilian and military applications and operations with a minimum of integration and modification lead time.

Based on its proven airframe and systems reliability the G 520 mitigates development risks for future UAV and or system developments. The G 520 is the cost efficient performance platform for the UAV and OPV requirements of the 21st century, both in the HALE and MALE performance/application sector.

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G 520
EGRETT



The perfect platform for high altitude reconnaissance and surveillance



POWERED BY H3

Technical specification

Data subject to final confirmation

Full reconnaissance and surveillance capabilities.

The G 520 EGRETT features:

- Long endurance, high altitude performance
- Short runway capabilities
- Reconfigurable payload installation
- Full approval for all-weather IFR/Icing operations acc. to LBA/FAA Part 23 regulations

12 payload compartments for up to 1000 kg of mission equipment makes the G 520 an ideal multi-role platform for a wide range of missions. Depending on payload the G 520 has a range up to 5000 km (2700 NM) or up to 11 Hrs (UAV 32 Hrs) on stage time in all weather conditions.

The G 520 success story is continuing.

Weights OPV | UAV

Max. take-off weight	4700 kg 4900 kg
Max. ramp weight	4718 kg
Max. zero fuel weight	4077 kg
Standard empty weight	2912 kg
Max. landing weight	4465 kg
Max. usable fuel capacity	1098 kg / 1382 Ltr
Max. payload	1000 kg

Power Plant

Max. continuous power (MCP)	750 SHP
Honeywell TPE 331-14F with Hartzell Propeller, 4-blade	3,04m

Miscellaneous

Max payload volume	6371 Ltr
Max operating altitude	50.000 ft
Operation: VFR day/night, IFR, non-icing conditions	

Performance OPV | UAV

Operating speed range	
Max. operating speed	153 kias / M 0,448
Stall speed V _S (MLW, landing configuration)	58 kias
Take off and landing field length (MSL, ISA)	
Take off distance over 50 ft (MTOW, no wind, no slope)	457 m
Landing distance over 50 ft (MLW, no wind, no slope)	427 m
Cruise speeds, rate of climb (ISA, MTOW)	
Max. cruise speed (MSL)	153 ktas
Max. cruise speed (35,000 ft)	253 ktas
Rate of climb (MSL)	1590 ft/min
Time from MSL to 35,000 ft	28 min
Range / Endurance (ISA, MTOW, 45 min reserve fuel, 862 kg fuel load)	
Range (50,000 ft)	1935 NM 2725 NM
Endurance (45,000 ft, max. endurance power)	11 Hrs 32 Hrs +

