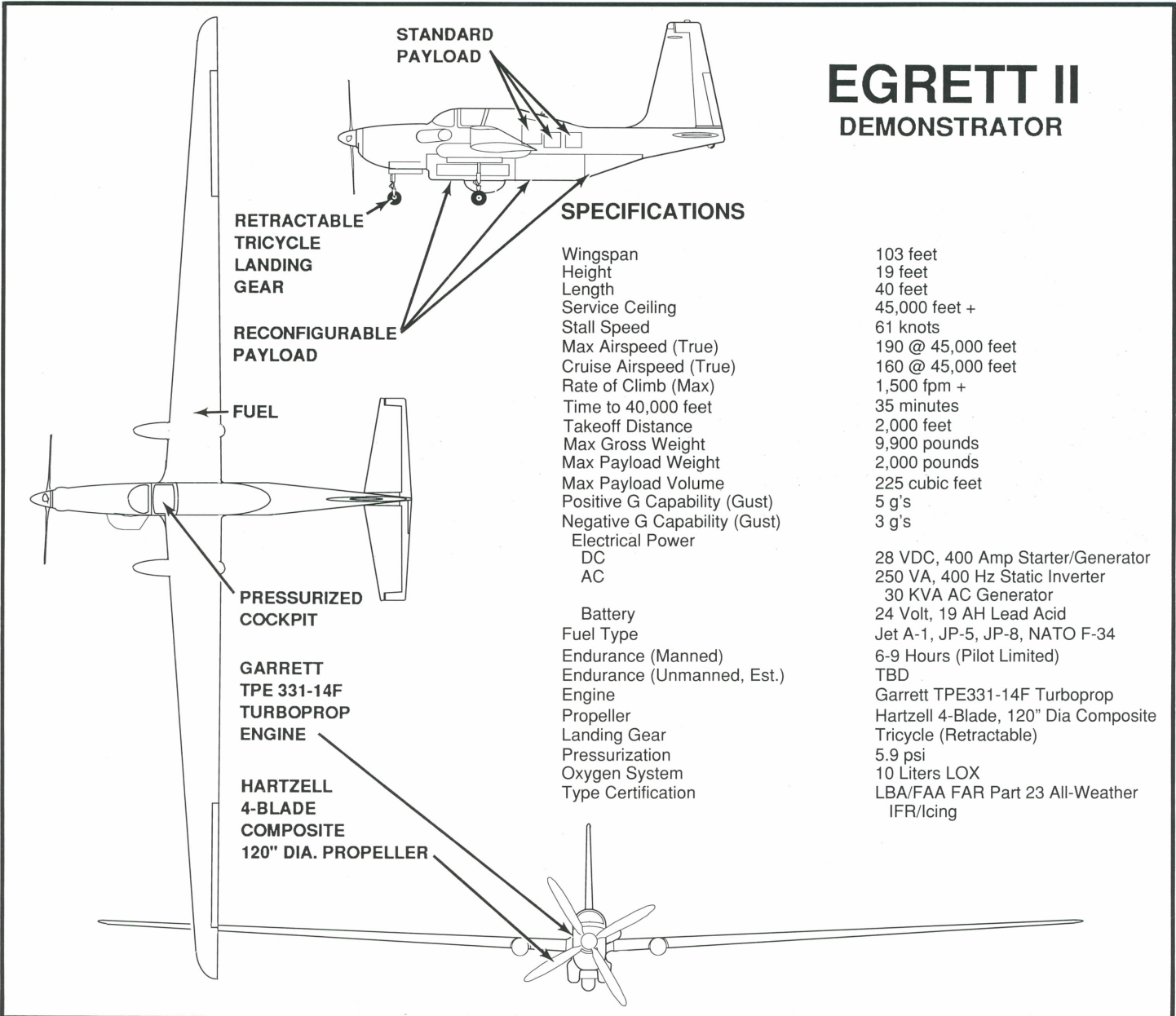


EGRETT II DEMONSTRATOR



Wingspan	103 feet
Height	19 feet
Length	40 feet
Service Ceiling	45,000 feet +
Stall Speed	61 knots
Max Airspeed (True)	190 @ 45,000 feet
Cruise Airspeed (True)	160 @ 45,000 feet
Rate of Climb (Max)	1,500 fpm +
Time to 40,000 feet	35 minutes
Takeoff Distance	2,000 feet
Max Gross Weight	9,900 pounds
Max Payload Weight	2,000 pounds
Max Payload Volume	225 cubic feet
Positive G Capability (Gust)	5 g's
Negative G Capability (Gust)	3 g's
Electrical Power	
DC	28 VDC, 400 Amp Starter/Generator
AC	250 VA, 400 Hz Static Inverter 30 KVA AC Generator
Battery	24 Volt, 19 AH Lead Acid
Fuel Type	Jet A-1, JP-5, JP-8, NATO F-34
Endurance (Manned)	6-9 Hours (Pilot Limited)
Endurance (Unmanned, Est.)	TBD
Engine	Garrett TPE331-14F Turboprop
Propeller	Hartzell 4-Blade, 120" Dia Composite
Landing Gear	Tricycle (Retractable)
Pressurization	5.9 psi
Oxygen System	10 Liters LOX
Type Certification	LBA/FAA FAR Part 23 All-Weather IFR/Icing

FLIGHT INSTRUMENTS

The cockpit has the following instruments:

- Airspeed Indicator
- Altimeter
- Flight Director
- Bearing/Distance Heading Indicator
- Radio Magnetic Indicator
- Altitude Pre-Select/Alerter
- Rate-of-Climb Indicator
- Turn and Bank Indicator
- Oxygen Pressure & Quantity Meters
- Cabin Altitude
- Clock
- Emergency Gyro
- Standby Altimeter

- Standby Attitude Indicator
- Standby Magnetic Compass
- Turbine Percent RPM
- Output Torque
- Engine Gas Temperature/ Variable Red Line
- Oil Temperature/Pressure
- Fuel Flow
- Fuel Quantity
- Fuel Totalizer
- D.C. Generator Voltage/ Current Meters
- A.C. Generator Voltage/ Current Frequency Meters

AVIONICS

- NAV Receiver
- VOR/ILS
- ADF
- Magnetic- slaved Compass System
- Vertical Gyro
- UHF Transceiver
- VHF Transceiver
- TACAN
- IFF Transponder
- Marker Beacon
- Autopilot/Flight Director

CLEARED BY
EICO-D



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