

Liberty Helicopters Fact Sheet L-4000TT

Liberty 4000 Turbine Trainer

Mission

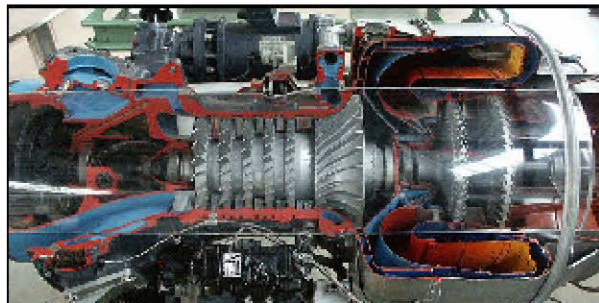
The Liberty 4000TT is a single-engine, dual-seat, multi-mission capable, advanced turbine rotorcraft. Its flying characteristics are similar to other two-bladed rotor systems in civilian and military rotorcraft.



Features

The L-4000TT's relative low fuel consumption, modular design and low maintenance cost, helps reduce the overall total ownership and operational cost of this multi-purpose rotorcraft. This rotorcraft called UH-1 can be configured for a variety of missions including: Search and Rescue (SAR), Airborne Law Enforcement (ALE) missions, Reconnaissance, Surveillance, Environmental Protection, Drug Interdiction and Patrol, external sling loaded cargo up to 4000 lbs, Fire fighting support.

The L-4000T is powered by a new upgraded and more powerful multi stage gas power turbine engine that delivers up to 1800 shaft horsepower.



Because of its excellent power-to-weight ratio, the rotorcraft can perform an initial climb of 2,000 ft or (609 m) per minute and can reach 10,000 ft or (3048 m) in less than five minutes.

Contact Information

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This rotorcraft can be ordered with a variety of advanced avionics and display options dependent on mission requirements.

General characteristics

- Crew: 1-4
- Capacity: 4,000 lb including up to 14 fire fighting troops, or 6 stretchers, or equivalent cargo
- Length: 57 ft 1 in (17.40 m) with rotors
- Wingspan: 48 ft 0 in (14.63 m)
- Width: 8 ft 7 in (2.62 m) (Fuselage)
- Height: 14 ft 5 in (4.39 m)
- Empty weight: 5,215 lb (2,365 kg)
- Gross weight: 9,040 lb (4,100 kg)
- Max takeoff weight: 9,500 lb (4,309 kg)
- Original Powerplant: 1 × [Lycoming T53-L-11 turboshaft](#), 1,100 shp (820 kW)
- Powerplant Upgrade: 1 × [Lycoming T53-L-701 turboshaft](#), 1,800 shp (1342 kW)
- Main rotor diameter: 48 ft 0 in (14.63 m)

Performance

- Maximum speed: 135 mph (217 km/h; 117 kn)
- Cruise speed: 125 mph (109 kn; 201 km/h)
- Range: 315 mi (274 nmi; 507 km)
- Service ceiling: 19,390 ft (5,910 m) (Dependent on environmental factors such as weight, outside temp., etc)
- Rate of climb: 1,755 ft/min (8.92 m/s)
- [Power/mass](#): 0.15 hp/lb (0.25 kW/kg) with 1100 shp

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