

## Single Engine Air Tanker (SEAT) Fact Sheet AT-802

### Brief description

The AT-802 is the largest firefighting single engine air tanker in the world today. This aircraft is a modern, turboprop 'initial attack air tanker' that is fast, manoeuvrable, cost-effective and perfectly complements the Country Fire Service (CFS) 'rapid initial attack' bushfire strategy.

The CFS has ten (10) AT-802 air tankers on contract. These aircraft are located during peak periods of the Fire Danger Season at strategic airbases in the Lower South-East, Lower Eyre Peninsula and Mount Lofty Ranges.

### Specifications

**Manufacturer:** Air Tractor (USA)  
**Engine:** Pratt & Whitney P&W PT6A-67AG SHP Turboprop (1600SHP)  
**Wing Span:** 18.04m  
**Length:** 10.87m  
**Tank Capacity:** 3,100 litres (800 US Gallons)  
**Fuel Usage:** 280 litres/hour  
**Fuel Endurance:** 4 hours  
**Range:** 1250km  
**Cruise Speed:** 160 knots (296kph)  
**Drop Speed:** 110 knots (203kph)



### Operational capabilities of the AT-802 Single Engine Air Tanker

- The AT-802 can take-off and land on relatively short airstrips, allowing CFS to operate the aircraft closer to a fire at any of the recognised firefighting airbases around South Australia.
- Requires minimal logistical support, and with up to 4 hours fuel endurance, can operate over a fire for extended periods.
- The AT-802 can be airborne from initial dispatch to a fire in 3 minutes. The loading system on the AT-802 also provides a high-volume input capacity that means aircraft can land and be reloaded in as little as 3 minutes.
- The AT-802 is fitted with a 'state of the art' Gen II Fire Retardant Dispersal System (FRDS). This computerised fire gate system provides greater drop accuracy and consistent coverage of fuels on the ground. The FRDS also allows the pilot to 'split' the load into multiple drops, alter the coverage level based on the vegetation type and 'string' the load out to increase drop length.
- With a cruise speed of 160 knots (296kph) and range of over 1200km, the AT-802 can be rapidly deployed across South Australia to support firefighting operations.
- The AT-802 has the ability to drop a wide range of aerial firefighting products including foam, water enhancers and long-term retardants, all of which improve the effectiveness of firebombing operations in support of ground based firefighters.