



FIRE BOSS

AMPHIBIOUS AIR TRACTOR 802F
SCOOPING WATER BOMBER & TANKER



The Fire Boss is the ideal air tanker for wildland urban interface fires and rapid initial attack on critical hot spots.



ANSWER THE CALL. FAST.

Wildfires pit time and nature against fire crews. The Fire Boss scooping water bomber helps you gain the upper hand. That's because no other air tanker attacks fires with the tempo, agility and effectiveness of the Fire Boss.

THE RIGHT PLACE AT THE RIGHT TIME

The Fire Boss is a rugged and extremely reliable air tanker that does not require a big airport or an extensive infrastructure to keep it flying. A gravel runway (or water-side ramp) and fuel are all it needs to be a highly cost-effective forward attack resource. Low capital and operating costs make the Fire Boss the logical choice for rapid initial attack on multiple fire starts. The Fire Boss can be quickly pre-positioned to remote attack locations unsuitable for larger air tankers or beyond the "effective reach" of helicopters. An entire fleet of Fire Boss aircraft can be deployed for about the same cost as one twin engine turbine-powered water scooper.



AIR TRACTOR & FIRE BOSS :: PROVEN EFFECTIVE

The AT-802F originates from a line of rugged agricultural aircraft built to fly “low and slow” amidst trees, power lines, towers and irrigation center pivots. Purpose-built and FAA-certificated for aerial firefighting, the AT-802F single engine air tanker (SEAT) has amassed two decades of safe performance and fire suppression excellence around the world.

With nearly 15 years of real-world results, the Fire Boss conversion draws upon decades of aircraft float expertise. Fire Boss floats & equipment are built to provide consistent, reliable performance for years to come, allowing you to stay & fight.



STAY AND FIGHT

When a fire is burning near a lake, river, reservoir or ocean bay, the Fire Boss can deliver up to 14,000 gallons per hour for extended attack or ground support. With its fast ferry speed (150 knots), low drop speeds (105 knots) and impressive turn and climb rates, the Fire Boss excels in mountainous terrain and wildland-urban interface areas.

The Fire Boss can also operate as a land-based tanker, carrying water or retardant if scoopable water is not present. Additionally, a two-seat Fire Boss outfitted with an observer station can remain on-site to direct firefighting activities while also engaging in scooping operations.



RIGHT ON THE MONEY

A Fire Boss carries nearly half the payload of a twin turbine engine amphibious air tanker for about 1/10th of the capital and 1/5th of the operating expense. For a cost of less than 50 cents per gallon, the Fire Boss can deliver 20 loads and 14,000 gallons of water on a fire each hour.

RIGHT ON TARGET

The Fire Boss is especially effective in providing close ground support to fire agencies; it delivers extremely accurate salvo or string drops with its computer-controlled Fire Retardant Dispersal System (FRDS). Powered by the legendary Pratt & Whitney 1,600 HP PT6A-67F turbine engine, the Fire Boss can quickly climb to high mountain elevations and execute aggressive down-slope drops. The Fire Boss computerized constant flow fire gate reduces the number of drops needed to deliver desired coverage levels.



The Fire Boss can quickly climb to high mountain elevations and execute aggressive down-slope drops.





Around the globe, 70+ Fire Boss aircraft are proving their value and effectiveness with thousands of safe and successful firefighting missions.

HERE FOR THE LONG HAUL

The Fire Boss is the product of an alliance between Air Tractor, the world's leading manufacturer of aerial spraying aircraft and Fire Boss, an innovator in aerial firefighting. Air Tractor makes the pre-installation engine and airframe modifications to its AT-802F and Fire Boss completes the conversion, adding specialized water scooping floats at their facilities. Fire Boss aircraft and amphibious floats are fully supported around the world by Air Tractor and Fire Boss engineering, parts, repair and maintenance services. Fire Boss operators have the opportunity to receive factory-direct training for land-based and scooping operations. A two-seat training version is also available. This allows Fire Boss operators to immerse new Fire Boss pilots in the firefighting environment.

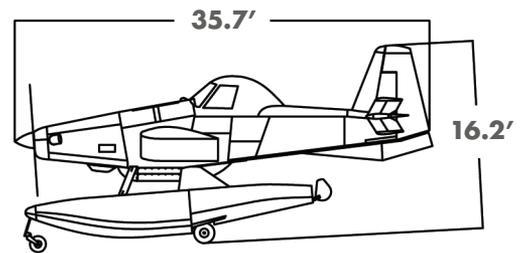
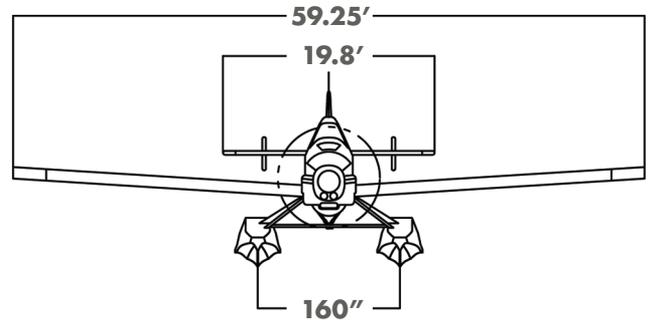
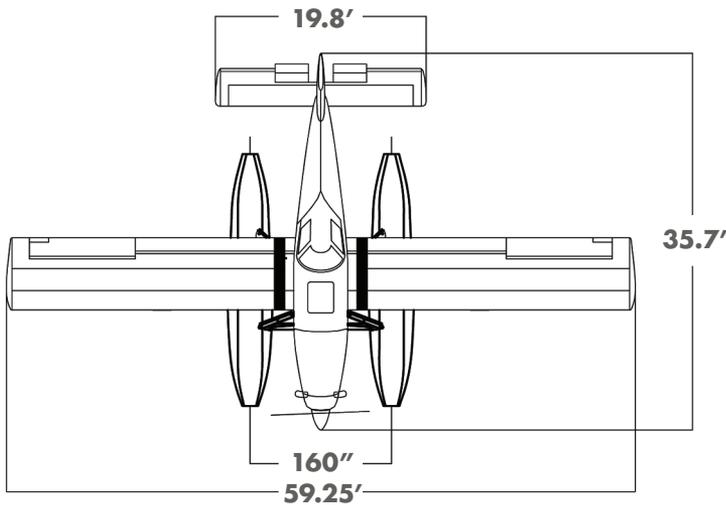
OFF-SEASON VERSATILITY

Beyond its capabilities as a firefighter, the Fire Boss can be re-fitted with conventional landing gear and a gate box after the fire season ends to perform other types of forestry protection duties, including aerial insecticide application, timber fertilization and post-fire forest rehabilitation, e.g. aerial re-seeding and erosion controlling hydromulch applications.



FIRE BOSS

AMPHIBIOUS AIR TRACTOR® 802F SCOOPER WATER BOMBER



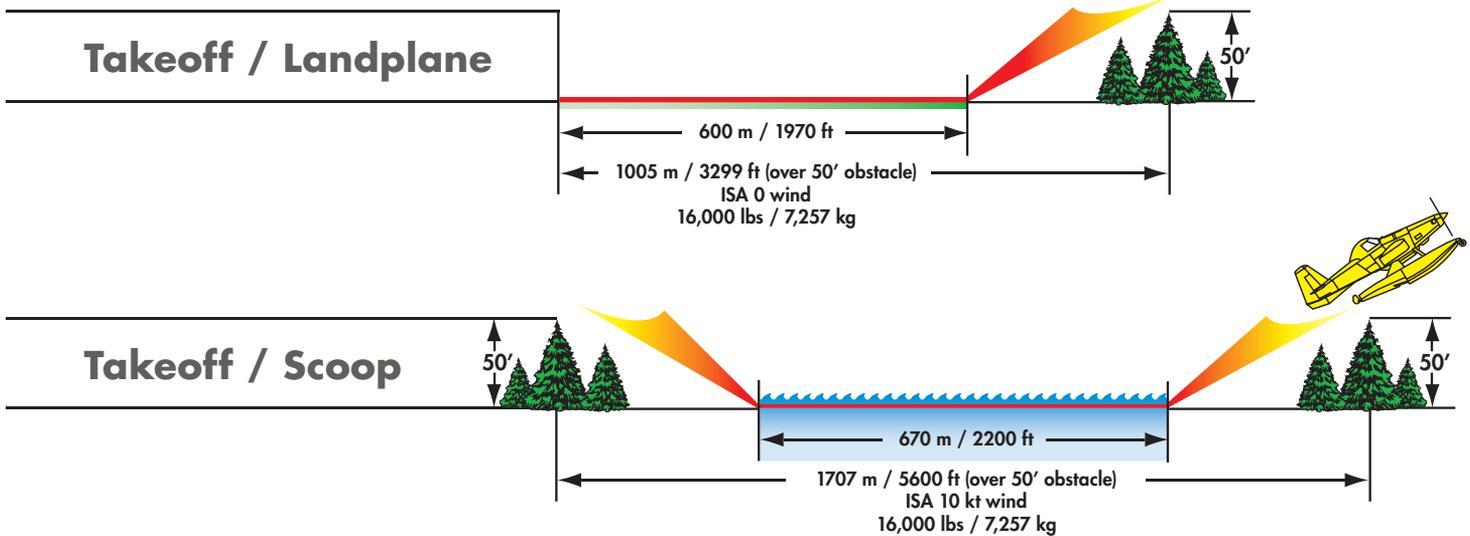
Specifications and Performance

Aircraft	Air Tractor AT-802F
Engine	PT6A-67AG // 1350 HP PT6A-67F // 1600 HP
Prop	Hartzell 5-blade c/s reversing, 115 or 119 inch / 291.1 or 302.2 cm
Floats	Wipline Model 10000 amphibious
Foam Capacity	Total capacity: 78 USg/296 liters Fuselage tank: 18 USg/68 liters Right float tank: 30 USg/114 liters Left float tank: 30 USg/114 liters
Foam Transfer System	Automatic / Manual
Over-Temp / Torque Warning	Visual and Aural
Hopper Quantity Pre-Select System (Operational Load Monitoring System)	Automatic / Manual
Gross Takeoff Weight (Land)	16,000 lbs // 7,257 kg
Gross Takeoff Weight (Water)	11,500 lbs // 5,216 kg
Maximum Landing Weight (Land)	12,300 lbs // 5,579 kg
Maximum Scooping Weight	16,000 lbs // 7,257 kg
Maximum Landing Weight (Water) – To Full Stop	11,500 lbs // 5,216 kg
Approximate Empty Weight	8,900-9,100 lbs // 4,037-4,128 kg
Approximate Useful Load	6,800-7,100 lbs // 3,084-3,221 kg
Maximum Cruise Speed At 16,000 lbs / 7,257 kg	150 KIAS
VS (16,000 lbs / 7,257 kg – 10° Flap)	75 KCAS
VS (16,000 lbs / 7,257 kg – 30° Flap)	72 KCAS
Rate of Climb At 16,000 lbs / 7,257 kg	892 ft/min // 272 m/min

Performance Statistics

Distance between fire and water source	Average turnaround time	Water delivered to fire per hour
In US Miles	In Minutes	In US Gallons
1	3	14,000
5	4	10,500
10	6	7,000
15	9	4,666
20	11	3,818

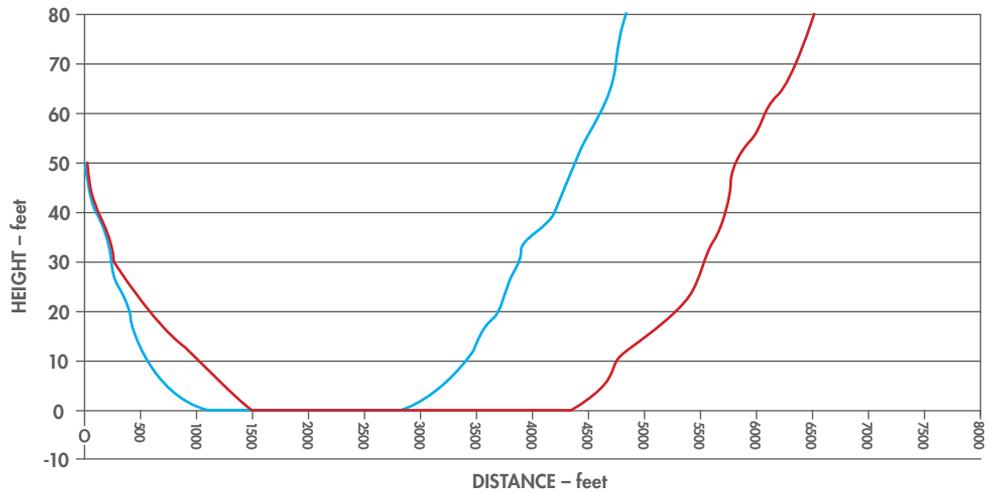
This chart shows the gallons of water the Fire Boss is able to deliver to a fire based on the distance between the fire and the nearest scoopable water source. It assumes that the Fire Boss has 2.5 hours of fuel endurance including a 30-minute reserve (U.S. Fire Agency Minimum Requirement). It also assumes scooping loads begin at approximately 600 gallons and approach 800 gallons as fuel burns and that no foam is carried onboard.



Performance Comparison

Fire Boss PT6A-67AG and
PT6A-67F Engine Installations
Choppy Water – 10 kt. Wind
Observed data, no corrections

- AT-802, PT6A-67F 1600 SHP
- AT-802, PT6A-67G 1350 SHP



Standard Equipment

- Wipline 10000 series amphibious floats
- Normal and emergency landing gear retraction system
- Landing gear advisory system
- Two retractable water scooping probes
- Automated load control system
- Higher capacity hopper venting system
- Emergency hopper overflow system
- Float emergency bilge system
- Engine over-torque warning system
- Water scooping probe advisory system
- Electronically controlled retractable water rudders
- Single water/retardant ground-loading port
- Stall improvement array kit (vortex generators)
- Finlets

- Flow generators (2-seat aircraft installation)
- Ventral fin
- Ballast management system (2-seat aircraft installation)
- Hardware for 1,600 SHP Pratt & Whitney PT6A-67F engine installation

Optional Equipment

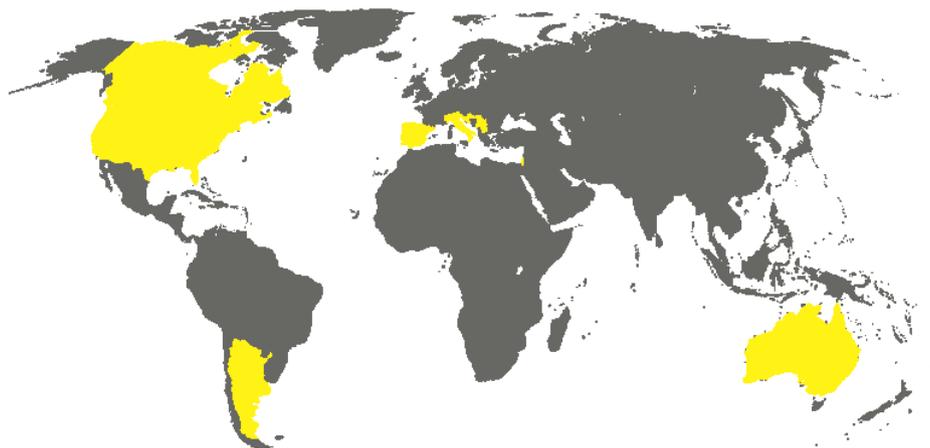
- Upgrade kit for 1,600 SHP PT6A-67F engine
- Rear cockpit trainer kit for AT-802 2-seat aircraft
- Float conversion kit for 2-seat aircraft installation
- Additional 30 gallon /113 liter foam tank kit
- Stall improvement array kit for AT-802A landplane
- Stall improvement array kit for AT-802 landplane

FIRE BOSS

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FIRE BOSS :: THE WORLD'S SMART SCOOPER

The Fire Boss is recognized around the world as a cost-effective addition to fire agency air attack programs and an economical alternative for aging and more expensive fixed-wing water scoopers.



Fire Boss In Front-Line Service

Avialsa	Spain
Conair	Canada
Air Sp&A	Italy
Martinez Ridao	Spain
Ministry of Defence	Croatia
Civil Protection Directorate	Macedonia
Aero Spray	United States
CEGISA	Spain
Civil Protection Directorate	Montenegro
Elbit Systems	Israel
FAASA	Spain
R&M Aircraft	Australia
Forest Protection Ltd.	Canada
Alaire/AeroFlight S.A.	Argentina
Pays Air Service	Australia

Asia & Pacific Region
Authorized Dealer:



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