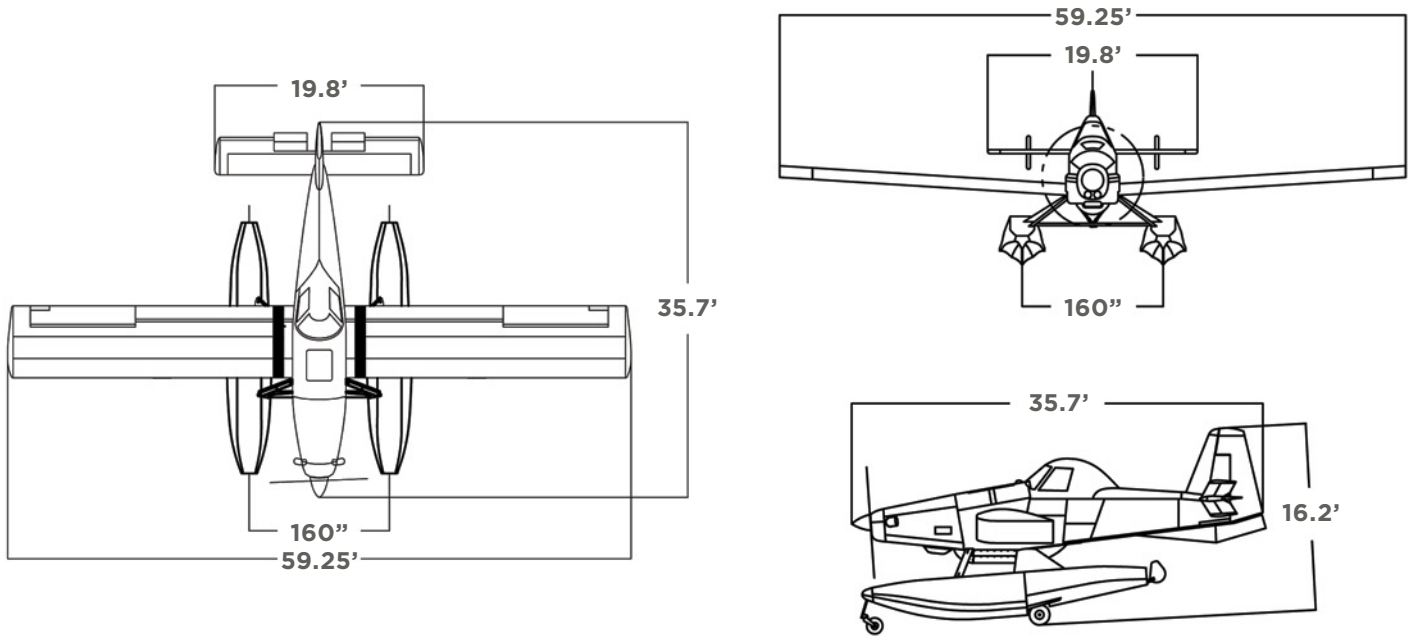


FIRE BOSS

AMPHIBIOUS AIR TRACTOR® 802F SCOOPER WATER BOMBER



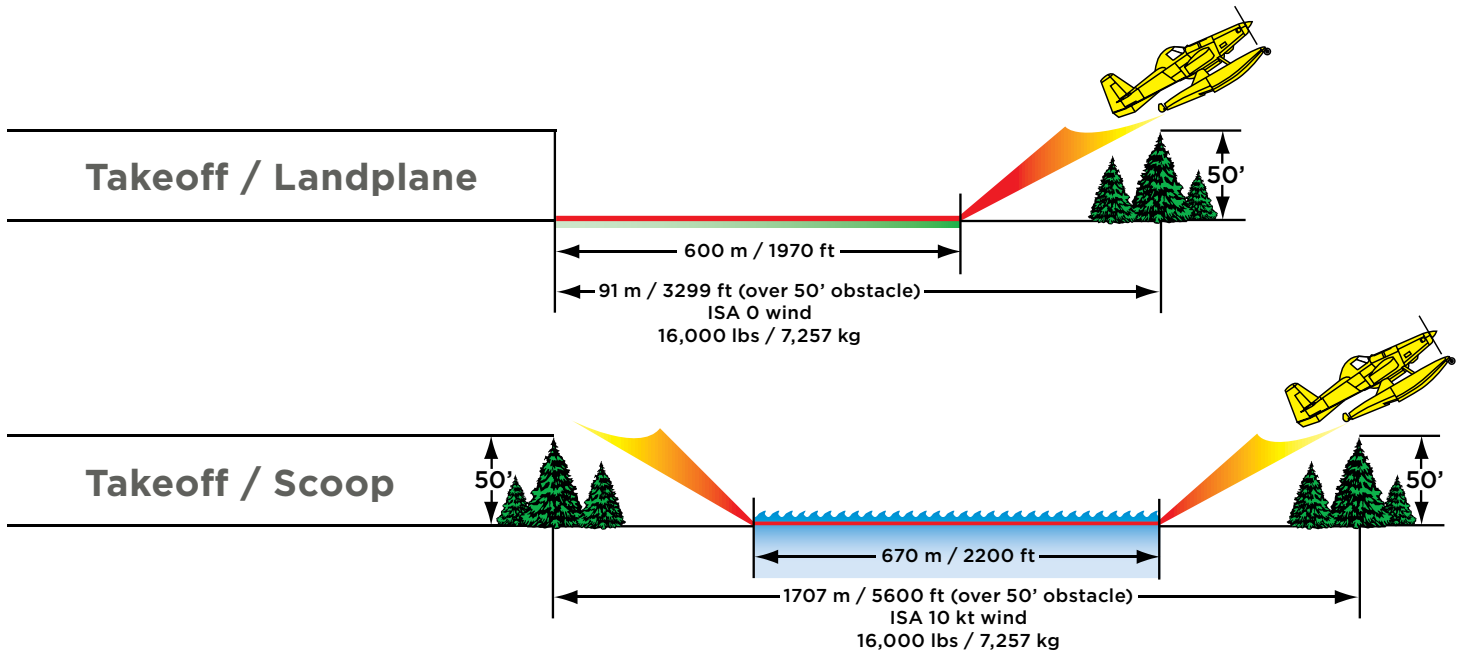
Specifications and Performance

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

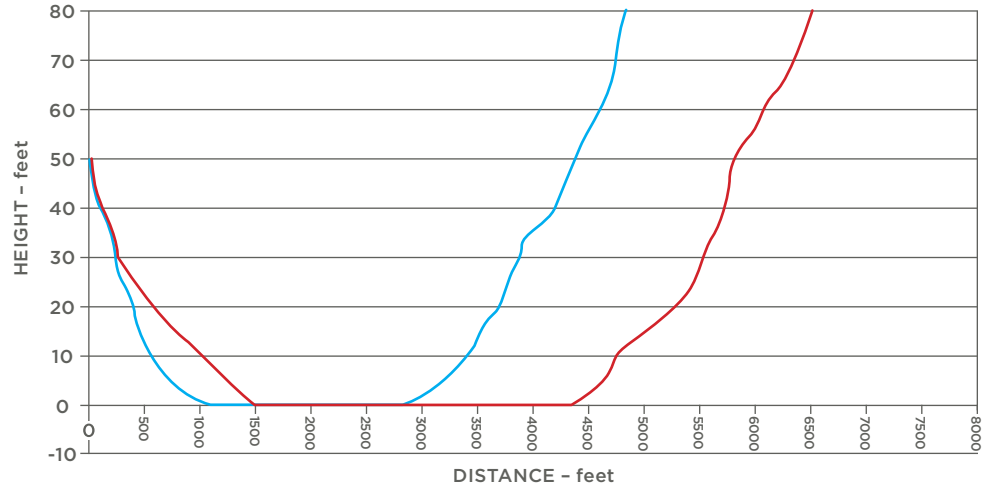
This chart shows the gallons of water the FIRE BOSS is able to deliver to a fire based on the distance between the fire and the nearest scoopable water source. It assumes that the FIRE BOSS has 2.5 hours of fuel endurance including a 30-minute reserve (U.S. Fire Agency Minimum Requirement). It also assumes 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

- Wipaire 10,000 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



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