

# Ayres 660 Turbo Thrush

*All New 660 Gallon Thrush*



# The 660 Turbo Thrush

## *Ayres Delivers Performance*

No ag aircraft matches the rugged performance of the Turbo Thrush.

The 660 Gallon Turbo Thrush out performs all competitors in overall efficiency, performance and reliability. The combination of the rugged Turbo Thrush airframe with the economical & responsive AlliedSignal or Pratt & Whitney engines creates an aircraft that surpasses the competition.

A wide range of engine and airframe options ensures that the 660 Turbo Thrush is available in a configuration to meet your requirements.

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### Check out these value-added features:

Rugged Thrush Airframe

New 50 ft Wing Span & Redesigned Tips

Longer Steel Spar Caps for Added Strength & Longevity

Efficient Flaps & Drooped Ailerons for Shorter Take-offs

All New Rugged Steel Spring Landing Gear

660 Gallon Hopper with 3 inch Spray System

Superior Corrosion Protection

Pressurized Aft Fuselage



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Below is a list of available engines and their ratings:

TPE-331-10	940 SHP
PT6A-45	1173 SHP
PT6A-60AG	1050 SHP
PT6A-65AG	1300 SHP

*Unmatched Product Support*

*Engine & Airframe Training*

*Extended Warranty (one year or 600 hours)*

# There Are Some Things We Can't Describe.

Only flying the new 660 Gallon Turbo Thrush can adequately describe the sense of control, or the security you will feel. You have to be there in person to appreciate the stable flight characteristics and performance of the Thrush.

The new wing with its 50 ft. wing span and increased area (375 sq. ft.) ensures stability and control during ag maneuvers.

When it comes to negotiating rough strips, small fields or obstacles, you will never be more comfortable than in a Thrush.

**There is simply no doubt about it . . . The Thrush lets you negotiate from Strength.**

Not only is the Turbo Thrush the most rugged ag aircraft in the world, it has one of the best swaths and spray patterns in ag aviation.

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**If you haven't checked out a Thrush lately . . . Contact us Soon and Discover What We Can't Describe.**



The Rugged 660 Turbo Thrush with a Pratt & Whitney PT6A-65

# Performance & Specifications

## STANDARD EQUIPMENT

- \* Allied Signal TPE 331-10 or Pratt & Whitney PT6A-45, 60, 65
- \* Hartzell Reversing Propeller
- \* 600 Gallon (88 Cubic Foot) Clear-vision Fiberglass Hopper
- \* 228 Gallon (usable) Fuel Capacity
- \* Universal Spray System with External 3-inch Stainless Steel Plumbing
- \* 3 inch Transland Pump
- \* Five Blade Weath-Aero Fan Assy.
- \* Streamlined Spray Booms with 68 Nozzles Installed (70% boom)
- \* 3 inch Left Side Loader
- \* 24 Volt Electrical System
- \* Dual 24 Volt Batteries
- \* Starter-Generator
- \* Navigation and Instrument Lights
- \* Wingtip Strobe Lights
- \* High-Flotation 29-inch Tires
- \* Cleveland Dual Caliper Disc Brakes
- \* 6.00x6 Tail Wheel Assembly
- \* Spring Steel Tail Wheel Assembly

## OPTIONAL EQUIPMENT

- \* Ferry Fuel System
- \* Custom Paint Scheme
- \* Cockpit Fire Extinguisher
- \* Cockpit Map Light
- \* Dual Cockpit
- \* Forward Facing Rear Seat
- \* Dual Controls
- \* Bubble Windows (Aft Cockpit Only)
- \* 31 inch Wheels & Brakes
- \* Shadin Electronic Fuel Flow Indicator
- \* Air Conditioning
- \* Agitator Installation
- \* AU5000 Micronair Installation
- \* Automatic Flagman Installation
- \* 3 Inch Side Loader
- \* Fire Bomber Installation
- \* Smoker Installation
- \* Crop Hawk Flow Meter
- \* Micronair Application Monitor
- \* Transland Stainless Steel Spreader
- \* Avionics Installation
- \* Instrument Installation
- \* Landing Lights
- \* Night Working Lights
- \* Hopper Level Indicator
- \* Hopper Rinse System

- \* Spring Steel Main Landing Gear
- \* Windshield Wiper & Washer
- \* Polyurethane Finish on All Exterior Metal Surfaces
- \* All Aluminum Surfaces Etched with Chromicoat L25 for Corrosion Resistance
- \* Sealed Cockpit Enclosure
- \* Quick Detach Fuselage Skins
- \* Stainless Steel Bottom Fuselage Skins
- \* Massive Overturn Structure
- \* 4130 Chrome-moly Tubular Steel Fuselage Construction
- \* 4130 Chrome-moly Steel Upper and Lower Steel Spar Caps
- \* Adjustable Mesh (cool) Seat
- \* Adjustable Rudder Pedals
- \* Stainless Steel Rudder Cables
- \* Wire Cutters on Main Landing Gear
- \* Cockpit Wire Deflector
- \* Wire Deflector Cable (Canopy to Vertical Fin)
- \* Wing Root Fairings
- \* Upper and Lower Hopper Windows
- \* All Metal Empennage
- \* Aileron Servo Tabs
- \* Aileron Droop System

## SPECIFICATIONS AND PERFORMANCE DATA

* Fuel Capacity	228 Gallons	863 Liters	
* Empty Weight	5,250 Pounds	2,381 Kilograms	
* Typical Operating Wt	12,500 Pounds	5,670 Kilograms	
* Hopper Capacity			
	(Dry)	88 Cu. Feet	2.49 Cu. Meters
	(Liquid)	680 Gallons	2,468 Liters
* Length	33 Ft. 6 in.	10.22 Meters	
* Height	9 Ft. 2 in.	2.796 Meters	
* Wing Span	50 Ft. 0 in.	15.25 Meters	
* Wing Area	375 Sq. Ft.	34.837 Meters	
* Tread Width	9 Ft. 6 in.	2.89 Meters	
* Velocity Never Exceed	200 Mph	322 Kph	
* Working Speeds	100 -175 Mph	161-282 Kph	
* Stall Speed As Usually Landed	57 Mph	92 Kph	
* Sea Level Rate of Climb at 10,500 Pounds	1,250 Fpm	381 Mpm	
* Sea Level Rate of Climb at 12,500 Pounds	1,025 Fpm	312 Mpm	
* Take Off Distance @ 12,500 Lbs.	1,500 Feet	457 Meters	
* Landing Distance as Usually Landed	600 Feet	183 Meters	
* Fuel Consumption	45-75 Gph	170 -283 Lph	
* Cruising Speed @ 55% Power	175 Mph	281 Kph	
* Ferry Range @ 50% Power and 165 Mph @ 8,500 Feet	600 Miles	966 Kilometers	

Note: Performance figures calculated for Pratt & Whitney PT6A-65 Ag. Specifications are preliminary and are subject to change.



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