

Grumman G-164A Ag-Cat for FS2004



Background

The aircraft modelled in this package is the Grumman G-164A Ag-Cat, manufactured in the mid 1970's. It is powered by the 600hp Pratt & Whitney R-1340 Wasp engine.

Like most Ag-Cats, this aircraft features some modifications, in particular, extended wingtips.

The colour scheme is for a South African registered aircraft.

General notes

The visibility of the pilot figure in the external views is toggled using the spoiler key [/].

The hopper door may be opened and closed by clicking on it from the Virtual Cockpit view.

The left and right canopy doors and the canopy roof may be opened and closed using the Exit keys [Shift+E, 1, 2, 3] or by clicking on them from the Virtual Cockpit view.

Aircraft performance

The hopper load has a big effect on aircraft performance and handling. It can be changed in the "Fuel and Payload" window.

Please refer to *G164A_Pilot_Handbook.pdf* for performance figures and check lists.

Cockpit layout

This model is designed to be flown from the Virtual Cockpit view. It includes only a basic 2D panel. The Virtual Cockpit is best viewed at a zoom factor of 0.65.

The cockpit layout is presented on the following page.



1. Fuel Gauge
2. Hopper Door



3. Spray Boom Pressure Gauge
4. Main Instrument Panel
5. Parking Brake & Control Lock
6. Carburettor Heat
7. Electrical Panel
8. Spray Pump Fan Brake
9. Communications Radio



10. Hand Fuel Pump
11. Elevator Trim
12. Fuel Shut-Off Valve
13. Spray Lever
14. Throttle Quadrant
15. Fuel Primer
16. Magneto Switch



Spray effect

The pump that pressurises the spray system on the Ag-Cat is driven by the spray pump fan. This fan has a brake to stop it from over-speeding when there is no fluid in the system.

In the simulator, the spray effect is activated by the smoke key [I]. Spray will only be generated when the spray boom pressure is above 15 PSI, which means that the Spray Pump Fan Brake must be released and there must be enough airflow over the spray pump fan.

Please set the "Special effects detail" slider to "High" in the "Settings - Display" window for the spray effect to be properly displayed.

Alternative sound package

This model uses the default Douglas DC3 sounds. As an alternative, Doug Smith's T6 sounds also work very well. This free download is contained in a file called *T6Sound.zip* and is available from various sites.

Repaints

Repaints of this model may be made and distributed without further permission from the author.

Thanks

A big thank you to Robert Sanderson for his work on the AIR and CONFIG files.

Comments

Please send any comments to marcel.du.plessis@kentron.co.za