

ABC Airsports

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Aircraft Check Out Form

Use the POH (Pilot operating handbook) or AFM (Aircraft flight manual) of the aircraft to be flown.
Use the current weight and balance information for the aircraft to be flown.

Name _____ Date _____

Make and Model of Aircraft? _____

1. What is the type of power plant? _____
How many cylinders? _____
Carbureted or fuel injected? _____
2. What is the maximum horsepower for takeoff? _____
What is the time limit if any? _____
What is the maximum continuous horsepower? _____
What is the oil capacity? _____
What is the normal oil operating level? _____
What is the minimum oil operating level? _____
What type of oil is used in this airplane? _____
3. Is this plane equipped with a vacuum pump? _____
Is there a backup vacuum system? _____
4. How many batteries? _____
How many amps? _____
What is the voltage of system? _____
Is there an over voltage relay? _____
What does it do? _____
How do you reset it? _____
Is there a plug for external power? _____
Where is it located? _____
Should the alternator be on or off when using external power? _____
5. Total fuel capacity? _____
Fuel grade? _____
Usable fuel capacity? _____
Number of fuel tanks? _____
How many positions to fuel selector? _____
How many fuel drains? _____

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Where are they located? _____
Lowest point of fuel system? _____
What method is used to determine the quantity of fuel? _____
Is there an aux fuel pump? _____
How many settings to it? _____
When is it used, on what setting? _____

6. Describe cold starting procedure? _____
Describe hot starting procedure? _____
At what RPM do you check the magnetos? _____
Max drop? _____
Max differential drop between magnetos? _____
Max takeoff power setting? _____
Cruise climb power setting? _____
Cruise power setting? _____
What procedure is used to protect from shock cooling the engine? _____
Describe the leaning procedure: _____
How do you detect carburetor or induction icing? _____
What do you do? _____

7. V_{so} _____
 V_s _____
 V_x _____
 V_y _____
 V_a _____ at what weight? _____
 V_{fe} _____
 V_{no} _____
 V_{ne} _____
Cruise climb? _____
Normal landing approach speed, full flaps? _____
Normal landing approach speed, no flaps? _____
Short field landing approach speed? _____
Soft field landing approach speed? _____

Flap setting for short field take off? _____
Flap setting for soft field take off? _____
Flap setting for short field landing? _____
Flap setting for soft field landing? _____

Go around procedure: _____

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8. Complete the following computations

Take off distance:

Gross weight, 6000 feet elevation, standard day

Ground roll distance? _____

Over 50 feet obstacle distance? _____

75% power, 7500 feet, standard day:

Power setting? _____

Fuel consumption? _____

TAS? _____

Landing distance:

Gross weight, 6000 feet elevation, standard day

Ground roll distance? _____

Over 50 feet obstacle distance? _____

9. Weight and balance

Use information from actual airplane to be flown

What is the useful load with full fuel? _____

Compute the two following examples:

Your weight, a 170lbs passenger, 25lbs luggage, full fuel (Is it possible? If not, what can you do?)

Your weight, 3 x 170lbs passenger, full fuel (Is it possible? If not, what can you do?)

10. Retractable landing gear airplane

What is the maximum speed for gear retraction? _____

What is the maximum speed for gear extension? _____

What is the maximum speed for flying with the gear extended? _____

How is the gear operated (Electric, hydraulic, mechanical...)? _____

Describe the emergency gear extension procedure _____