

# **AIRCOUPE N5618F**

## **ENGINE START CHECKLIST**

1. Preflight..... COMPLETED
2. Seats & Belts..... ADJUST
3. Tach Time..... RECORD
4. Brakes..... TEST & SET
5. Fuel Valve..... ON (Forward)
6. Master Switch..... ON
7. Carb Heat..... COLD
8. Mixture..... RICH
9. Primer ..... AS REQUIRED
10. Throttle..... OPEN 1/8 INCH
11. Ignition Switch..... LEFT MAG
12. Prop Area..... CLEAR (Tow Bar!)
13. Starter Button..... PUSH
14. Idle..... 900 RPM
15. Oil Pressure..... UP (30 sec)
16. Ignition Switch..... BOTH
17. Generator..... ON
18. Radios..... AS REQUIRED
19. Transponder..... STANDBY
20. Intercom..... AS REQUIRED
21. Rotating Beacon..... ON
22. Passenger Briefing..... Complete (Feet!)

## **BEFORE TAKE-OFF CHECKLIST**

1. Throttle..... 1700 RPM
2. Engine Instruments..... CHECK
3. Ammeter..... CHARGING
4. Mags..... CHECK (50 RPM Drop)
5. Carb Heat..... CHECK (Drop & Return)
6. Throttle..... IDLE (Check Idle RPM))
7. Throttle..... 1000 RPM
8. Flight Controls..... CHECK
9. Trim Tab..... SET
10. Fuel Quantity..... CHECK
11. Primer..... LOCKED
12. Seats & Belts..... RECHECK
13. D.G..... SET
14. Altimeter..... SET
15. Radio..... SET
16. Transponder..... ALT
17. Time and Fuel..... RECORD
18. Take-off Abort Plan.... BRIEF
19. Airspace..... CONSIDER
19. Canopy..... LOCKED

## **START OF TAKE-OFF ROLL CHECKLIST**

1. Airspeed..... INCREASING
2. Oil Pressure..... NORMAL
3. Engine Controls..... PUSH 3 FULL FWD

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### SHUTDOWN CHECKLIST

1. Carb Heat..... COLD
2. Rotating Beacon..... LEAVE ON
3. Radios..... OFF
4. Intercom..... OFF
5. Throttle..... 1200 RPM
6. Mixture..... FULL LEAN
7. Ignition Switch..... OFF
8. All Switches..... OFF
9. Throttle..... FULL OUT
10. Parking Brake..... AS REQUIRED
11. Time..... RECORD

### AIRSPEEDS

|                         |               |                  |
|-------------------------|---------------|------------------|
| Best Glide Speed        | 78 MPH        | (68 KTS)         |
| Normal Takeoff:         |               |                  |
| Lift nose wheel         | 50 MPH        | (43 KTS)         |
| Climb out               | 68 MPH        | (59 KTS)         |
| Short Field Takeoff:    |               |                  |
| Lift nose wheel         | 50 MPH        | (43 KTS)         |
| Climb out               | <u>55</u> MPH | <u>(48)</u> KTS) |
| Best Rate of Climb      | 68 MPH        | (59 KTS)         |
| Normal Climb            | 80–85 MPH     | (70 - 74 KTS)    |
| Traffic Pattern Speed   | 80 MPH        | (70 KTS)         |
| Approach Speed          | 70–80 MPH     | (61 - 70 KTS)    |
| Stall Speed (Power On)  | 38 MPH        | (33 KTS)         |
| Stall Speed (Power Off) | 48 MPH        | (42 KTS)         |
| Maneuvering Speed       | 108 MPH       | (94 KTS)         |

### PERFORMANCE FIGURES

|                             |                     |
|-----------------------------|---------------------|
| Service Ceiling:            | 17,300 FT           |
| Absolute Ceiling            | 20,000 FT           |
| Take-Off Ground Run:        | 540 FT              |
| Landing Ground Run:         | 350 FT              |
| Best Rate of Climb (68 MPH) | 640 FPM             |
| Planned Fuel Burn           | 5.5 GPH at 2400 RPM |

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