

Takeoff Checklist - ASK13 - N1749

- Controls → Free and normal
- Ballast → Front seat 143-220 lbs, useful load 410 lbs
- Straps → Secure and snug
- Instruments → Adjusted - alt set 800 ft - radio 122.8 - volume adj.
- Trim → Set for takeoff, neutral
- Spoilers → Closed and locked
- Canopy → Closed and locked
- Tow Line → Hooked up and checked
- Radio Check → Call tow plane with release height
- Emergency → Options for premature rope break

Pilot weight range: 143 lbs min - 220 lbs max
Empty weight: 650 lbs Max gross weight: 1060 lbs
Max useful load: 410 lbs
Max tow speed: 87 mph Max flight speed: 120 mph
Max maneuver speed: 87 mph

Landing Checklist - ASK13 - N1749

- Speed → L/D (27:1) 50 mph + ½ wind + full gust
- Trim → Set for pattern speed
- Spoilers → Checked hands on
- Radio → Intent to land on 45 or downwind - ADG 122.80
- Pattern Speed → 50-55 mph or best L/D 50 mph + ½ wind spd + gust
- Look → Check pattern / area for traffic
- Land → Level attitude, touchdown 40-45 mph

Stall speed: 35 mph (Single) 38 mph (Double)
Min sink speed: 40 mph (Single) 44 mph (Double)
Best speed L/D: 50 mph Glide distance per 1000 ft = 4.6 nm

T. Shipp 2017