**Geide Headwind N5498E** Experimental – AB or LSA **$12,000**

Airworthy Certification 1965

TTAF 1302 TTE 680

Wing Span 24’ 8” x Cord 48” Area 95 sqft. Airfoil 2412

Wing loading 6.77lbs/sqft. Power loading 12lbs/hp

Length 17’ 3”

Height 68”

Wheel Tread 63 3/8”

Hor Tail Span 87 ½” area 7sqft elevator 9.54sqft

Vert Tail Height 48” area 2.17sqft rudder 4.77sqft

Engine VW 1835cc 55hp single port direct drive

Carburetor Bendix Zenith updraft 30mm P/N12566 rear crankshaft Bendix aircraft magneto.

Propeller Geide 34.5”pitch x 54”dia. SAE 1 3” Thick Red Oak

Fuel Capacity 7 gal 6.7 usable

Fuel Consumption 3.3 gph 93 Autogas (no ethanol) or 110LL

Weight empty 424lbs

Max Gross Weight 670 lbs

CG and range 24.4” fwd 32.6” aft 8.2” firewall datum MAC 26.06%

No electrical system.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Geide Headwind Operational Speeds & Performance (demonstrated)** | | | |  | |
|  | mph | rpm | AOA | | |
| Vs | 34-38 |  | 15-16° | | |
| Vr | 57 |  |  | | |
| Vx | 65 |  |  | | |
| Vy | 70 |  |  | | |
| Va | 89 | 3300 |  | | |
| Vno | 95 |  |  | | |
| Vne | 115 | 3600 |  | | |
|  |  |  |  | | |
| Rate of Climb | 650ft/min | max |  | | |
| T.O. distance | 600ft | no obstacles | | | |
| Landing Distance | 800ft | no obstacles | | | |
| Glide Ratio | 6 to 1 |  |  | | |
| Max. service ceiling demonstrated | 6,700msl |  |  | | |
| **Maneuvers** | mph | No accelerated or snap maneuvers | | | |
| Steep Turns (60° bank) | 85 |  |  | | |
| Lazy Eights | 85 |  |  | | |
| Chandelles | 85 |  | | |  |
| Stall | 36 | Max aft CG limit 30.6" | | |  |
| Spins |  | Not Recommended Limit One Turn | | | |

**Geide Hawk N9039U** Experimental – AB or LSA  **$12,000**

Airworthy Certification Aug 2000 Phase II 2001

TTAF 560 TTE 560

Wing Span 21’ Cord 50” Area 79 sqft. Fred Wieck Airfoil 43012A

Wing loading 8.1 lbs/sqft. power loading 11.6lbs/hp.

Length 18’

Height 6’

Wheel Tread 54 ”

Hor Tail Span 86 ” elevator area 7.8 sqft

Vert Tail Height 46” rudder area 4 sqft Offset 2° right

Engine VW 1835cc 55hp direct drive dual port

Carburetor Bendix Zenith updraft 30mm P/N12566 rear crankshaft Slick aircraft magneto.

Propeller Geide 34.5”pitch x 54”dia. SAE 1 3” Thick Red Oak

Fuel Capacity 9gal 8.5 usable

Fuel Consumption 3.3 gph 93 Autogas (no ethanol) or 110LL

Weight empty 381lbs

Max Gross Weight 640 lbs

CG and range 24.98” fwd 29.15” aft 4.2” firewall datum MAC 24.3% - 27.3%

No electrical system.

|  |  |  |  |
| --- | --- | --- | --- |
| **Geide Hawk Operational Speeds & Performance (demonstrated)** | | |  |
|  | mph |  | AOA |
| Vs | 43 |  | 15-16° |
| Vr | 57 |  |  |
| Vx | 70 |  |  |
| Vy | 75 |  |  |
| Va | 84 |  |  |
| Vc | 95 |  |  |
| Vcmax | 115 |  |  |
| Vne | 133 |  |  |
|  |  |  |  |
| Rate of Climb | 1000ft/min | max | |  |
| T.O. distance | 400ft | no obstacles | |
| Landing Distance | 800ft | no obstacles |  |
| Glide Ratio | 8 to 1 |  |  |
| Max. service ceiling demonstrated | 7,600msl |  | |  |
| **Maneuvers** | mph |  |  |
| Steep Turns (60° bank) | 84 |  |  |
| Lazy Eights | 84 |  |  |
| Chandelles | 84 |  |  |
| Rolls | 95 |  |  |
| Loops | 95 | Min Entry Speed |  |
| Stall Accel 60°bank 63  Spins | Stall | Max aft CG limit 27" | |