

# AZTEC NOMAD

## SPECIFICATIONS

- Engines ..... Lycoming IO-540  
2,000 HR. TBO  
250 H.P. 8.5:1
- Propellers ..... Hartzell feathering  
82" diameter
- Length ..... 31'-2"
- Height ..... 15'-0"
- Wing Span ..... 40'-2"
- Wing Area ..... 224.6
- Wing Loading ..... 25.37
- Power Loading ..... 11.4
- Seats ..... 5 – 7
- Cabin Length ..... 7'-6"
- Cabin Width ..... 48"
- Cabin Height ..... 52"
- Gross Weight ..... 5700 lbs.
- Basic Empty Weight ..... 3900 lbs.
- Max useful load ..... 1800 lbs.
- Zero fuel weight ..... 5250 lbs.
- Max landing weight ..... 5400 lbs.
- Standard Fuel Capacity ..... 144 U.S. (864 lbs)
- Optional Fuel Capacity ..... 192 U.S. (1152 lbs.)
- Baggage Capacity ..... (40 cu.ft.)  
Nose compartment ..... 150 lbs.  
Aft compartment ..... 150 lbs.

## SPECIFICATIONS (cont'd.)

- Aztec Nomad floats ..... 5700 lb. flotation  
6 water tight  
compartments  
hydraulic gear act.  
Cleveland wheels & brakes

## PERFORMANCE

- Take-off Distance on Water (ft) ..... 1750
- Rate of climb (ft/min) ..... 950
- Engine Out Rate of Climb (ft/min S.L.) ..... 50
- Cruise Speed MPH  
75% (29 GPH) ..... 155  
65% (26 GPH) ..... 145
- Maximum Range (S.M.)  
Standard ..... 785  
Optional ..... 1010

## LIMITING AND RECOMMENDED AIRSPEEDS

(IAS MPH)

- $V_y$  (best rate of climb) ..... 102
- $V_{mc}$  (min. control w/critical engine inop.) ..... 60
- $V_{yse}$  (best s.e. rate of climb) ..... 102
- $V_a$  (design manoeuvring) ..... 136
- $V_{fe}$  (max. flap extension) ..... 125
- $V_{lo}$  (max. landing gear extension) ..... 125
- $V_{no}$  (max. structural cruise) ..... 153
- $V_{ne}$  (max. never exceed speed) ..... 193
- $V_{s1}$  (stall clean) ..... 59
- $V_{s0}$  (stall dirty) ..... 54

## PERFORMANCE COMPARISON CHART (real life)

	AZTEC NOMAD AMPHIBIAN	CESSNA U206 AMPHIBIAN	PISTON BEAVER AMPHIBIAN	TURBINE BEAVER AMPHIBIAN	CARAVAN AMPHIBIAN
COST (used) U.S.\$	<b>375,000 – 550,000</b>	200,000 – 350,000	400,000 – 550,000	600,000 – 800,000	1.0 – 1.3 M
ENGINE H.P.	<b>500</b>	300	450	550	675
EMPTY WEIGHT (lbs)	<b>3,900</b>	2,700	3,800	4,000	5,800
USEFUL LOAD (lbs)	<b>1,800</b>	900	1,440	1,950	2,200
GROSS WEIGHT	<b>5,700</b>	3,600	5,090	5,370	8,000
TAKE OFF RUN ON - WATER - OVER 50 FEET	<b>1,750' 2,750'</b>	2,300' 3,200'	1,650' 2,350'	1,500' 1,900'	2,500' 3,300'
TIME	<b>22 sec.</b>	29 sec.	21 sec.	18 sec.	25 sec.
RATE OF CLIMB	<b>950'</b>	600	550	900	1,000
CRUISE 75% (mph)	<b>155</b>	140	105	125	155
FUEL BURN/HR	<b>29</b>	16	29	40	70
RANGE (st. miles)	<b>785</b>	750	350	500	790
STALL SPEED (mph)	<b>54</b>	59	45	45	68
ENGINE OUT RATE OF CLIMB	<b>+ 50</b>	- 1,000	- 1,050	- 950	- 950
PERSONS WITH FULL FUEL	<b>6</b>	2	4	4	0

Note: some performance specs are estimated.

AZTEC NOMAD INC.  
1201 Gravenhurst Parkway, Gravenhurst, Ontario P1P 1R1

email: [airmusk@muskoka.com](mailto:airmusk@muskoka.com)  
website: [www.aztecnomad.com](http://www.aztecnomad.com)

PH. (705) 687-6696  
FAX (705) 687-4045