

# SHERPA

# GT500



## GT500

If your flying needs allow the use of an experimental licensed aircraft and your flight requirements demand the maximum short field performances, then you need Sherpa's new GT500. Whether hauling passengers or supplies, this new 10/720 400 HP ruggedly constructed Sherpa has the ability to go wherever you want on wheels, skis, or floats. With a 2,165 lb. useful load and a fuel capacity of 121 gal., economy cruise settings can provide as much as 8 hours of flight time plus reserves!

### Sherpa Aircraft

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# GT500 Specs

Power Plant:	IO/720 Lycoming (400 HP) - <i>current</i> Honeywell TPE331-1 (665 HP) - <i>planned upgrade</i>
Fuel Capacity:	121 US gallons
Accommodations:	5 Seats with Aft Baggage
Tires:	29 x 11 x 10 or 35" Alaskan Bushwheels
Oxygen:	Optional - All 5 Positions

## Weights & Loadings

Empty Weight:	2,585 lbs
Max Takeoff Weight:	4,750 lbs - <i>current</i> 5,000 lbs - <i>planned upgrade</i>
Max Wing Loading:	18.41 lbs/sq ft
Max Power Loading:	11.87 lbs/hp
Useful Load:	2,165 lbs

## Performance

Never Exceed Speed	185 kt
Maximum Cruise Speed, 75% Power:	140 kt
Economy Cruise Speed, 65% Power:	120 kt
Fuel Consumption at 75% Power:	20.1 gph
Fuel Consumption at 65% Power:	15.5 gph
Range:	963 nm
Stall Speed, Flaps Up:	48 kt
Stall Speed, Flaps Down:	34 kt
Rate of Climb, Sea Level:	1,480 fpm
Service Ceiling:	21,000 ft
Takeoff Ground Roll, 3,000 lb:	135 ft
Takeoff Ground Roll, 4,750 lb:	396 ft

## Specifications

Length:	30.25 ft
Height:	9.25 ft
Wingspan:	42.6 ft
Wing Area:	258 sq ft
Wheel Base:	9 ft
Tire Size, Tailwheel:	5.00x5
Landing Gear Type:	Conventional, Fixed
Seats:	5

