SHERPA | GT1000

GT1000

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 GT1000. Whether hauling passengers or supplies, this new 8-place Honeywell turbine powered, ruggedly constructed Sherpa has the ability to go wherever you want on wheels, skis, or floats. With a 3000 lb. useful load and a fuel capacity of 346 gal., economy cruise settings can provide as much as 8 hours of flight time plus reserves!

Sherpa Aircraft
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GT1000 Specs

Power Plant:	Honeywell TPE331-5 (840 HP) - *current*
	Honeywell TPE331-10 (1020 HP) - *planned upgrade*
Fuel Capacity:	346 US gallons
Accommodations:	8 Seats with Aft Baggage
Tires:	29 x 11 x 10 or 35" Alaskan Bushwheels
Oxygen:	Optional - All 8 Positions

Weights & Loadings

Empty Weight:	3,500 lbs
Max Takeoff Weight:	6,500 lbs - *current*
	7,500 lbs - *planned upgrade*
Max Wing Loading:	20.63 lbs/sq ft
Max Power Loading:	8.66 lbs/hp
Useful Load:	3,000 lbs

Performance @ 5,000 lbs

Takeoff Distance:	102 ft
Landing Distance:	120 ft
Rate of Climb:	1,900 fpm
Stall Speed - Flaps Up, Power Off:	60 mph
Stall Speed - Flaps Down, Power Off:	30 mph

Performance @ 6,500 lbs

Cruise Speed:	188 mph
Economy Cruise:	174 mph
Stall Speed - Flaps Up, Power On:	58 mph
Stall Speed - Flaps Down, Power On:	34 mph
Rate of Climb:	1,400 fpm
Service Ceiling:	25,000 ft
Takeoff Distance:	336 ft
Landing Distance:	240 ft
Range:	1,256 mi

Exterior Dimensions

Wing Span:	47 ft 6 in
Wing Chord:	6 ft 8 in
Wing Aspect Ratio:	7.1
Length:	34 ft 1 in
Height:	9 ft 9 in
Tail Plane Span:	18 ft 3 in
Wheel Track:	8 ft 10 in
Propeller Clearance:	3 ft 1 in (3-point)	1 ft 7 in (level)
Propeller Diameter:	116 in (3-Blade)
Cabin Door Height:	3 ft 7 in
Cargo Door Width:	5 ft 1 in
Baggage Door:	1 ft 8 in x 2 ft 6 in

Interior Dimensions

Cabin Volume:	220 cu ft
Baggage Compartment:	7.5 cu ft