

# Key Product Features and Advantages

# DA42NG

## DA42 NG vs. single engine Cirrus SR22 Turbo / Twin Piper Seneca V\*

Criterion	DA42 NG	SR22 Turbo	Seneca V
Basic List Price (net)	EUR 522.750**	USD 612.980	USD 756.500
Engine Manufacturer	Austro Engine	Continental	Continental
Horsepower (max)	170 HP/engine	310 HP	220 HP/engine
Climb Rate	1.200 ft/min	1400ft/min	1462 ft/min
Max. Take-off Weight	1900 kg	1542 kg	2155 kg
Useful Payload	485 kg	490 kg	610 kg
Normal Cruise Speed	174 kts TAS	180 kts TAS	176 kts TAS
Fuel Capacity	288 lt	348 lt	462 lt
Cruise Range at 75%	1760 km	1713 km	1504 km
Take off	400 mt	313 mt	348mt (flap 25°)

## Comparison of Fuel Cost (250 flight hours per year @ 75% cruise power)

### DA42NG

Fuel grade: JetA1 (price as of Sept 2010: EUR 1,20/l)  
 Fuel consumption approx. 51.5 l/h (ca. 13.6 US gal/h)  
 Fuel cost/year: 250 h x EUR 1,20/l x 51,5 l/h = EUR 15.450

### Piper Seneca V

Fuel grade: Avgas (price as of Sept 2010: EUR 2,50/l)  
 Fuel consumption approx. 101 l/h (ca. 26,4 US gal/h)  
 Fuel cost/year: 250 h x EUR 2,50/l x 101 l/h = EUR 63.125

## Potential Fuel Cost Savings: EUR 47.675 per year YTD

The technical data contained in this brochure are derived from the respective aircraft manufacturers' published manuals, booklets, and websites available at the time of the preparation of this brochure or are calculated by approximation based on such data. Fuel consumption, cruise range and cruise speed may vary subject to the constitution and state of the aircraft, the nature and mode of aircraft operation, wind, weather, and other atmospheric conditions. Status: April 2009.

\* the configuration of the Aircraft above includes Glass Cockpit (Garmin G1000) and Automatic Pilot Garmin GFC700

\*\* the higher initial cost is offset by the savings on fuel (see comparison above) and the higher resale value of Jet A-1 powered Aircraft