



**2.11 Fuel**

**Fuel quantity:**

Wing fuel tanks quantity.....	2x 15.06 US gal
Total fuel quantity.....	30.12 US gal
Unusable fuel.....	2x 0.13 US gal
Total usable fuel.....	29.85 US gal
Maximum allowable difference in fuel tanks.....	7.93 US gal

**Recommended fuel type:**

**NOTE**

*Refer to the ROTAX Operator's Manual, section 10.2.2 Fuel, and Rotax Service Instruction SI-912-016*



**MOGAS**

European standard	- min. RON 95, EN 228 Super, EN 228 Super plus
US standard	- ASTM D4814
Canadian standard	- min. AKI 91, CAN/CGSB-3.5 Quality 3

**CAUTION**

*Fuels that contain more than 5% ethanol blend have not been tested and are not permitted for use.*

**AVGAS**

US standard	- AVGAS 100 LL (ASTM D910)
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AVGAS 100 LL places greater stress on the valve seats due to its high lead content and forms increased deposits in the combustion chamber and lead sediments in the oil system. Thus it should only be used in case of problems with vapor lock or when other types of gasoline are unavailable.

# SportCruiser

## Pilot Operating Handbook

*ZAW*

### 9.1 Airspeed indicator range markings

Marking	IAS value or range		Significance
	knot	mph	
White arc	32-75	37-86	Flap Operating Range.
Green arc	39-108	45-124	Normal Operating Range.
Yellow arc	108-138	124-158	Maneuvers must be conducted with caution and only in smooth air.
Red line	138	158	Maximum speed for all operations.

### 9.2 Engine instruments markings

Rotax 912ULS 98.6 [hp] (73.5 [kW])	Minimum Limit (red line)	Normal Operating Range (green arc)	Caution Range (yellow arc)	Maximum Range (red line)
Engine speed [RPM]	1400	1400-5500	5500-5800	5800
Oil Temperature	122 °F (50 °C)	194-230 °F (90-110 °C)	230-266 °F (110-130 °C)	266 °F (130 °C)
Exhaust Gas Temp. (EGT)	-	1472-1562 °F (800-850 °C)	1562-1616 °F (850-880 °C)	1616 °F (880 °C)
Cylinder head Temperature (CHT)	122 °F (50 °C)	167-230 °F (75-110 °C)	230-275 °F (110-135 °C)	275 °F (135 °C)
Oil Pressure	12 psi (0.8 bar)	29-73 psi (2-5 bar)	73-102 psi (5-7 bar)	102 psi (7 bar) cold engine starting
Fuel Pressure	0.15 bar (2.2 psi)	0.15-0.4 bar (2.2-5.8 psi)	-	0.4 bar (5.8 psi)

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## 2.4) Operating media-Fuel

General note

**NOTICE**

Obey the local codes and the latest edition of Service Instruction SI-912-016 for the selection of the correct fuel.

**NOTICE**

Use only fuel suitable for the respective climatic zone.

NOTE:

Risk of vapour formation if using winter fuel for summer operation.

Knock resistance

The fuels with following specifications can be used:

Fuel specifkationen		
	Usage/Description	
Knock resistance	912 A/F/UL	912 S/ULS
	Min. RON 90 (min. AKI* 87)	Min. RON 95 (min. AKI* 91)

\* Anti Knock Index (RON+MON)/2

MOGAS

	Usage/Description	
Mogas	912 A/F/UL	912 S/ULS
European standard	EN 228 Normal EN 228 Super EN 228 Super plus	EN 228 Super EN 228 Super plus

AVGAS

AVGAS 100LL places greater stress on the valve seats due to its high lead content and forms increased deposits in the combustion chamber and lead sediments in the oil system.

	Usage/Description	
AVGAS	912 A/F/UL	912 S/ULS
Aviation Standard	AVGAS 100 LL (ASTM D910)	AVGAS 100 LL (ASTM D910)