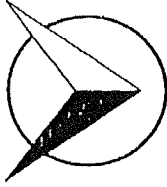


COMMONWEALTH OF AUSTRALIA



CIVIL AVIATION  
SAFETY AUTHORITY  
AUSTRALIA

# Type Certificate

Number: VA507

This certificate issued to Storch Aviation Australia Pty Ltd certifies that, pursuant to regulation 21.13A of the Civil Aviation Regulations 1998 approval is granted for the following aircraft.

Slepcev Storch SS4-UL

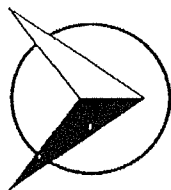
This certificate is valid until suspended or cancelled by the Civil Aviation Safety Authority. The basis of certification is as prescribed in Type Certificate Data Sheet Number VA507 issued by this Authority.

Date of application: 16 September 1999

Date of issuance: 16 November 1999

N.J. Probert  
Delegate of the Authority

COMMONWEALTH OF AUSTRALIA



CIVIL AVIATION  
SAFETY AUTHORITY  
AUSTRALIA

No. : VA507  
Revision: 0  
Aircraft:  
Slepcev Storch SS4-UL

Date: 28 October 1999

## TYPE CERTIFICATE DATA SHEET

This data sheet, which is part of the Type Certificate No. VA507, lists the conditions and limitations under which the aeroplane for which the Type Certificate was issued meets the airworthiness requirements of the Civil Aviation Safety Authority, Australia.

**Type Certificate Holder:** Storch Aviation Australia Pty. Ltd.  
113 Koree Island Road  
Beechwood NSW 2446  
AUSTRALIA

**Model SS4-UL** "Slepcev Storch" Primary Category  
Approved: 28 October 1999

Engine	Rotax 912ULS 2 or 912ULS 4 (fitted with No. 165 carburettor jets)
Engine Limits	Take-off Maximum (5 minutes) 5800 RPM Continuous 5500 RPM Maximum Cylinder Head Temperature 135 deg C Maximum Oil Temperature 130 deg C Minimum Oil Temperature 50 deg C Maximum Oil Pressure 690 kPa Minimum Oil Pressure (Below 3500RPM) 83 kPa Time Limit at Zero and Negative Gravity Max. 5 seconds at -0.5 g
Fuel	Unleaded gasoline (MOGAS) minimum RON95 to AS1876; or Premium Gasoline leaded to DIN 51600, AS1876, O-NORM C1103, EURO SUPER RON95; or AVGAS 100LL. (NOTE: Use of leaded fuels is not recommended when unleaded fuel is available Fuels containing alcohol are not permitted

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Oil	OAT -7 deg C to +40 deg C    SAE 20W-50 OAT        Below -7 deg C    SAE 15W-50 (NOTE: Use registered brand automotive oil only. Do not use aircraft engine oil. Do not use any additives.)
Propeller	Storch Aviation Australia Pty. Ltd. PROP-004 2 bladed fixed pitch wooden Propeller Diameter    Not over    1880 mm Not under    1855 mm Maximum Static RPM (full throttle) Not over    5600 RPM Not under    5400 RPM
Airspeed Limits (Knots IAS)	Never Exceed                    98 Max Structural Cruise         77 Manoeuvring                    72 Max Flaps Extend               61
Centre of Gravity	Forward Limit:                435 mm aft of datum at all weights. Aft Limit:                        564 mm aft of datum at all weights.
Datum	Leading edge of slat.
Levelling Means	Longitudinal    Spirit level on Starboard door sill. Lateral            Spirit level across Port and Starboard door sills.
Maximum Weight	Take-off            550 kg Landing             550 kg
Number of Seats	Two    Pilot arm:                    +265 mm Second occupant arm: +1066 mm
Baggage	20 kg at +1730 mm
Fuel Capacity	Total:    74 litres    at +225mm Usable    66 litres    at +225 mm
Oil Capacity	2.5 litres

COMMONWEALTH OF AUSTRALIA

TC No. VA507

Revision : 0

Control Surface Deflections	Aileron	Up	21 ± 2 degrees
		Down	15 ± 2 degrees
	Elevator	Up	31 ± 2 degrees
		Down	20 ± 2 degrees
	Rudder	L & R	30 ± 2 degrees
	Flaps	Down	23 ± 2 degrees
	Tab	Up	33 ± 2 degrees
		Down	45 ± 2 degrees
	Tab measurements are made with the elevator in the zero deflected position.		
Crosswind Component	Maximum crosswind component for take-off and landing is 15 knots.		
Serial Numbers Eligible	SS4UL-55 and later.		
Certification Basis	Civil Aviation Regulations 1998 (CAR 1998) at Amendment 1 Dated December 1998, Part 21 Paragraph 21.21 and CAR 1998 Part 23 using JAR-VLA Very Light Aeroplanes 26 April, 1990 including amendments VLA/91/1 and VLA/92/1, with exemptions against JAR-VLA 903(a), 905(a) and 1013(a)		
Flight Manual	SS4UL-FM Revision 0 dated 19 October 1999 or later approved revision		
Production Basis	Production under this Type Certificate.		
Noise Certification	Compliance with ICAO Chapter 10 requirements has not been shown		

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