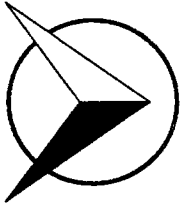


COMMONWEALTH OF AUSTRALIA



CIVIL AVIATION  
SAFETY AUTHORITY  
AUSTRALIA

# Type Certificate

Number: VA505

This certificate issued to Storch Aviation Australia Pty Ltd certifies that, pursuant to Regulations 21.21 and 23.1 of the Civil Aviation Regulations 1998 approval is granted for the following aircraft.

Slepcev Storch SS4

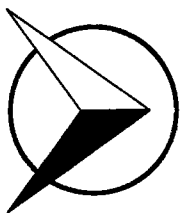
This certificate is valid until suspended or cancelled by the Civil Aviation Safety Authority. The basis of certification is as prescribed in Type Certificate Data Sheet Number VA505 issued by this Authority.

Date of application: 29 May 1999

Date of issuance: 14 October 1999

N.J. Probert  
Delegate of the Authority

# COMMONWEALTH OF AUSTRALIA



CIVIL AVIATION  
SAFETY AUTHORITY  
AUSTRALIA

No. : VA505  
Revision: 0  
Aircraft:  
Slepcev Storch SS4

Date: 14 October 1999

## TYPE CERTIFICATE DATA SHEET

This data sheet, which is part of the Type Certificate No. VA505, 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** "Slepcev Storch" Normal Category  
Approved: 14 October 1999

**Engine** Rotax 912S2 or 912S4  
(fitted with No. 165 carburettor jets)

<b>Engine Limits</b>	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

# COMMONWEALTH OF AUSTRALIA

TC No. VA505

Revision : 0

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
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

# COMMONWEALTH OF AUSTRALIA

TC No. VA505

Revision : 0

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		
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	SS4-55 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.		
Production Basis	Production under this Type Certificate.		

- END -