



MINISTERIO DE TRANSPORTES,
TURISMO Y COMUNICACIONES

DIRECCION GENERAL DE AVIACION CIVIL

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22-I
CHASER-S
20 DIC. 1988

HOJA DE DATOS DEL CERTIFICADO DE AERONAVEGABILIDAD
DE TIPO Nº 22-I

Esta Hoja de Datos, corresponde al Certificado de Aeronavegabilidad de Tipo Nº 22-I y expone las limitaciones y condiciones bajo las cuales se ha expedido dicho Certificado siguiendo los requerimientos de la Dirección General de Aviación Civil, O.M. de 14 de Noviembre de 1988 (B.O.E. de 18 de Noviembre de 1988).

Tenedor: AERIAL ARTS LTD.
Edburton, N-Sussex
Gran Bretaña



TYPE CIASER S

- (1) MANUFACTURER: AERIAL ARTS LTD.
- (2) UK IMPORTER: N/A
- (3) CERTIFICATION BASIS: BCAR SECTION S ADVANCE ISSUE, MARCH 1983
- (4) DEFINITION OF BASIC STANDARD: CH-03-AA MOD 07-11 MAY 88
- (5) DIMENSIONS/WEIGHTS FOR COMPLIANCE WITH MICROLIGHT DEFINITION
- (a) Wing area (inc canard area, excluding winglets): 10m²
- (b) Span 8.1m
- (c) Standard Mean Cord: 1.24m
- (d) Dry Empty Weight: 100kg
- (e) Max Take-Off Weight: 220kg
- (f) Wing Loading (Weight Empty/Wing Area) 10kg/m²
- (g) Wing Loading (Max. Take Off Weight/Wing Area): 22kg/m²
- (6) POWER PLANTS

Designation	ROTAX				
Engine Type	377				
Reduction Gear	2.58:1				
Exhaust System	ROTAX 2x90 with after muffler				
Intake System	K + N ROTAX muffler				
Propeller Type	CYCLONE SEMI SCIMITAR				
Propeller Dia x Pitch	59" x 39"				
Noise Type Cert No.	60m Issue Two				

Noise requirement

	1 Seat	2 Seat	BCAR Reference
Registered Pre 1/4/86	80 dBA	84 dBA	N3-6, 3 Iss 4
Registered Post 1/4/86	76 dBA	80 dBA	N3-6, 4 Iss 4

(7) MANDATORY LIMITATIONS:

(a) Max Take-off Weight: 220kg

(b) C G Limits (3-axis aircraft): n/a

(c) C G Datum: n/a

(d) Cockpit Loadings:

Pilot and Baggage or Ballast (min)

Pilot and Baggage (max)

	Front	Rear	Total
Pilot and Baggage or Ballast (min)	55kg	-	55kg
Pilot and Baggage (max)	100kg	-	100kg

(e) Permanent Ballast, Weight and Position: none

(f) Empty C G (3-axis aircraft): n/a

(g) Never Exceed Speed: 108mph

(h) Manoeuvring Speed: 66mph

(i) Permitted Manoeuvres: non acrobatic

(j) Fuel Contents (Max Useable): 23 litres

(k) Power Plant: See Table.

Engine	ROTAX 377				
Max RPM	6500				
Max CHT	480°F				
Fuel Spec	4-STAR PETROL/OIL				
Oil Spec	TWO-STROKE OIL				
Fuel/Oil Mix	50:1				
Max EGT	1200°F				
Oil Press	n/a				
Oil Temp	n/a				

(8) INSTRUMENTS REQUIRED FOR TYPE APPROVAL:

ASI	Altimeter	RPM	CHT	Compass	EGT
Required	Required*	Optional	Optional	Optional	Optional

(9) CONTROL DEFLECTIONS (3-AXIS SYSTEMS) n/a

<u>Pitch Control</u>	Up: -	Down:-
<u>Tailplane Trim</u>	Up: -	Down:-
<u>Ailerons</u>	Up: -	Down:-
<u>Rudder</u>	Up: -	Down:-
<u>Steering</u>	Left: -	Right:-
<u>Spoilers</u>	Up: -	Right:-

(10) PILOT'S NOTES, MAINTENANCE MANUALS REFERENCES:

Aerial Arts Ltd. Chaser S Owners Manual Ref:/WP/REPORT/CHASER.DOC - ISSUE 1-24 MAY - as ammended

(11) MANDATORY MODIFICATIONS/SERVICE BULLETINS/AIRWORTHINESS DIRECTIVES ETC:(12) MINIMUM PERFORMANCE AT MAX T/O WT

Rate of Climb: 1050 ft/min at 45 mph IAS

Stalling Speed 34 mph IAS

* NOTE

Wrist Altimeter permitted provided that:-

- (a) A cockpit placard states, "WRIST ALIMETER MANDATORY"
- (b) A Wrist Altimeter is part of the aircraft equipment.

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