

MICROLIGHT TYPE ACCEPTANCE DATA SHEET (TADS)

NO: BMO-55 ISSUE: 1

TYPE GRYPHON/TRIPACER

- (1) MANUFACTURER: WING: WASP GRYPHON  
TRIKE: ULTRASPORTS (No longer trading).
- (2) UK IMPORTER: N/A
- (3) CERTIFICATION BASIS: BCAR Section S requirements listed in CAA document dated 17th January 1986, ref: 9/30/UL18
- (4) DEFINITION OF BASIC STANDARDS: As defined by MAAN 1222 and this TADS.
- (5) DIMENSIONS/WEIGHT FOR COMPLIANCE WITH MICROLIGHT DEFINITION
- (a) Wing area (inc canard area, excluding winglets): 14.87 m<sup>2</sup>
  - (b) Span: 9.75m
  - (c) Standard Mean Chord: 1.52m
  - (d) Dry Empty Weight: 130kg
  - (e) Max Take-Off Weight: 250kg
  - (f) Wing Loading (Weight Empty/Wing Area): 6.72kg/m<sup>2</sup>
  - (g) Wing Loading (Max Take-Off Weight/Wing Area): 14.79kg/m<sup>2</sup>
  - (h) Fuel Capacity: 20 litres

(6) POWER PLANTS

Designation	GRYPHON/ TRIPACER				
Engine Type	Fuji Robin EC34PM Inv				
Reduction Gear	2.3:1				
Exhaust System	Rotaflow				
Intake System	-				
Propeller Type	Newton 2 Blade				
Propeller Dia x Pitch	54" x 30"				
Noise Type Cert No.	93M issue 1				

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(7) MANDATORY LIMITATIONS: \* To be placarded

(A) Max Take-off Weight: 250 kg\*

(B) C G Limits (3-Axis Aircraft): N/A

(C) C G Datum: N/A

(D) Cockpit Loadings:	Front	Rear	Total
Pilot and Baggage or Ballast (Min)	55kg	0	55kg *
Pilot and Baggage (Max)	105kg	0	105kg *

(E) Permanent Ballast, Weight and Position: None

(F) Empty C of G (3-Axis Aircraft): N/A

(G) Never Exceed Speed: 35 knots (40mph) \*

(H) Manoeuvring Speed: 35 knots (40mph) \*

(I) Permitted Manoeuvres: Non Aerobatic Pitch <+ 30<sup>0</sup> \*  
Roll <60<sup>0</sup> \*

(J) Fuel Contents (Max Useable): 20 litres

(K) Power Plant See Table

Engine	Fuji Robin EC34PM				
Max RPM	7500				
MAX CHT					
Fuel Spec	83MON or 90 RON min. Petrol/Oil				
Oil Spec	Self Mix 2 Stroke				
Fuel/Oil Mix	32:1				
Max EGT					
Oil Press					
Oil Temp					

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(8) INSTRUMENTS REQUIRED FOR TYPE ACCEPTANCE:

ASI	Altimeter	RPM	CHT	Compass	EGT Coolant Temp
Req 0-55mph	Req Wrist Type Acceptable				

(9) CONTROL DEFLECTIONS (3-Axis Systems): N/A

Pitch Control	Up:-	Down:-
Tailplane Trim	Up:-	Down:-
Ailerons	Up:-	Down:-
Rudder	Left:-	Right:-
Steering	Left:-	Right:-
Spoilers		

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

Fuji Robin EC34PM manual.  
Gryphon owners manual.  
Maintain to BMAA schedule MMS issue 1.

(11) MANDATORY MODIFICATIONS/SERVICE BULLETINS/AIRWORTHINESS DIRECTIVES ECT:

As defined by MAAN 1222. The wing rib profiles must be checked every 50 hours and at permit renewal.

(12) MINIMUM PERFORMANCE AT MAX TAKE-OFF WEIGHT

Rate of Climb: 600 ft/min (Using Fuji Robin EC34PM Engine).

Climb Speed: 28knots (33mph)

Stall or Minimum Flying Speed: 20knots (22mph)

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Notes

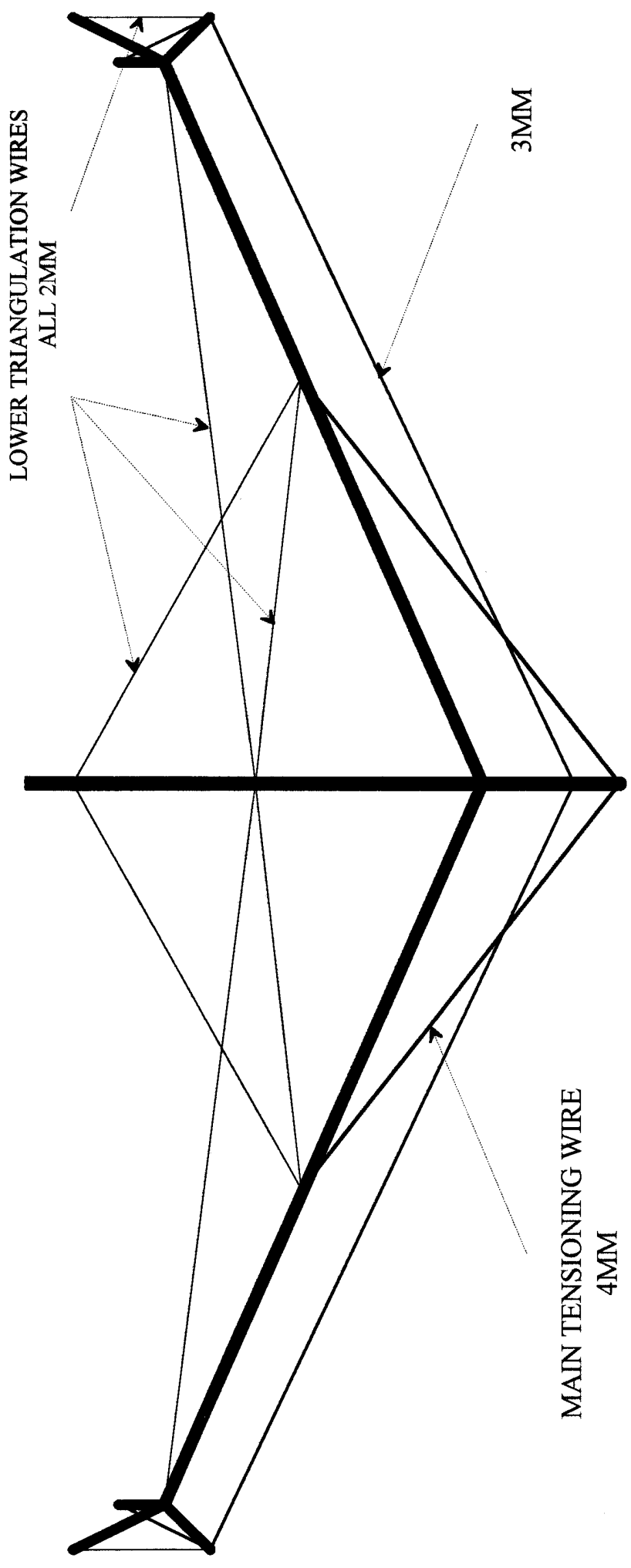
1. G A Drawings and/or photographs illustrating the principal features of the aircraft submitted for type approval shall be attached to, and form part of, this Data Sheet.

Signed

Issue 1.

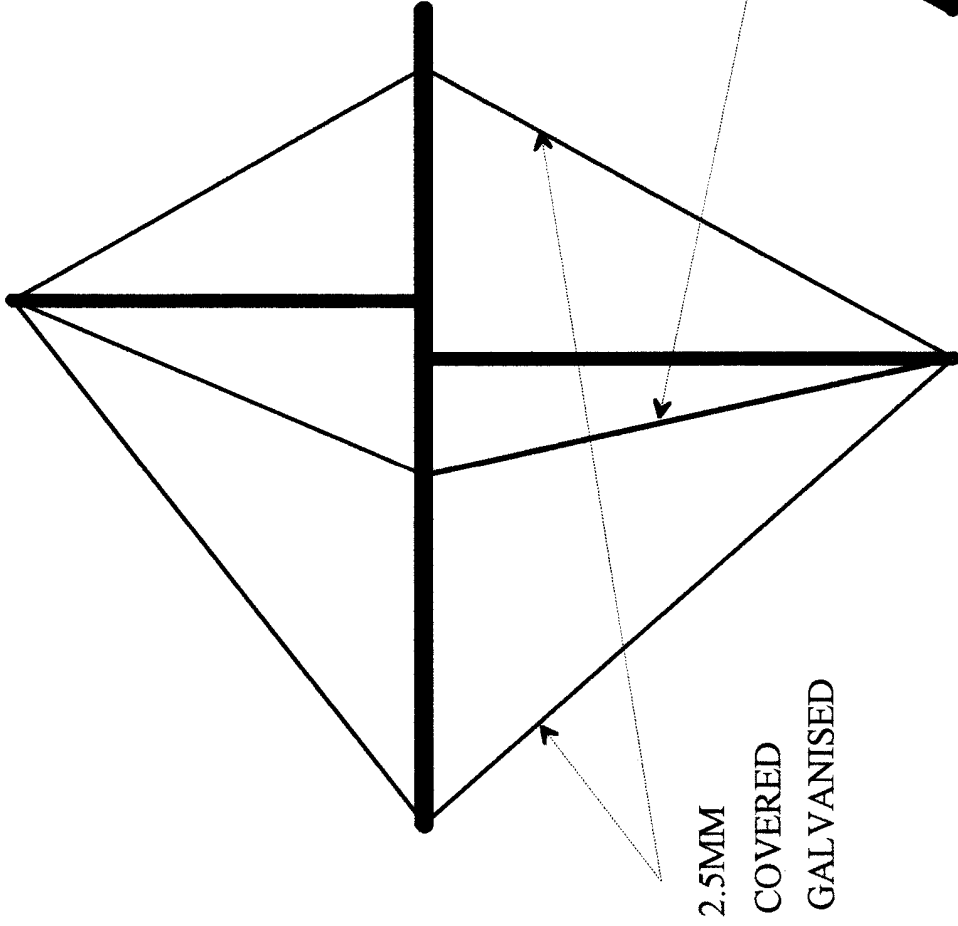


W.G. Brooks  
Chief Technical Officer  
5 September 1996

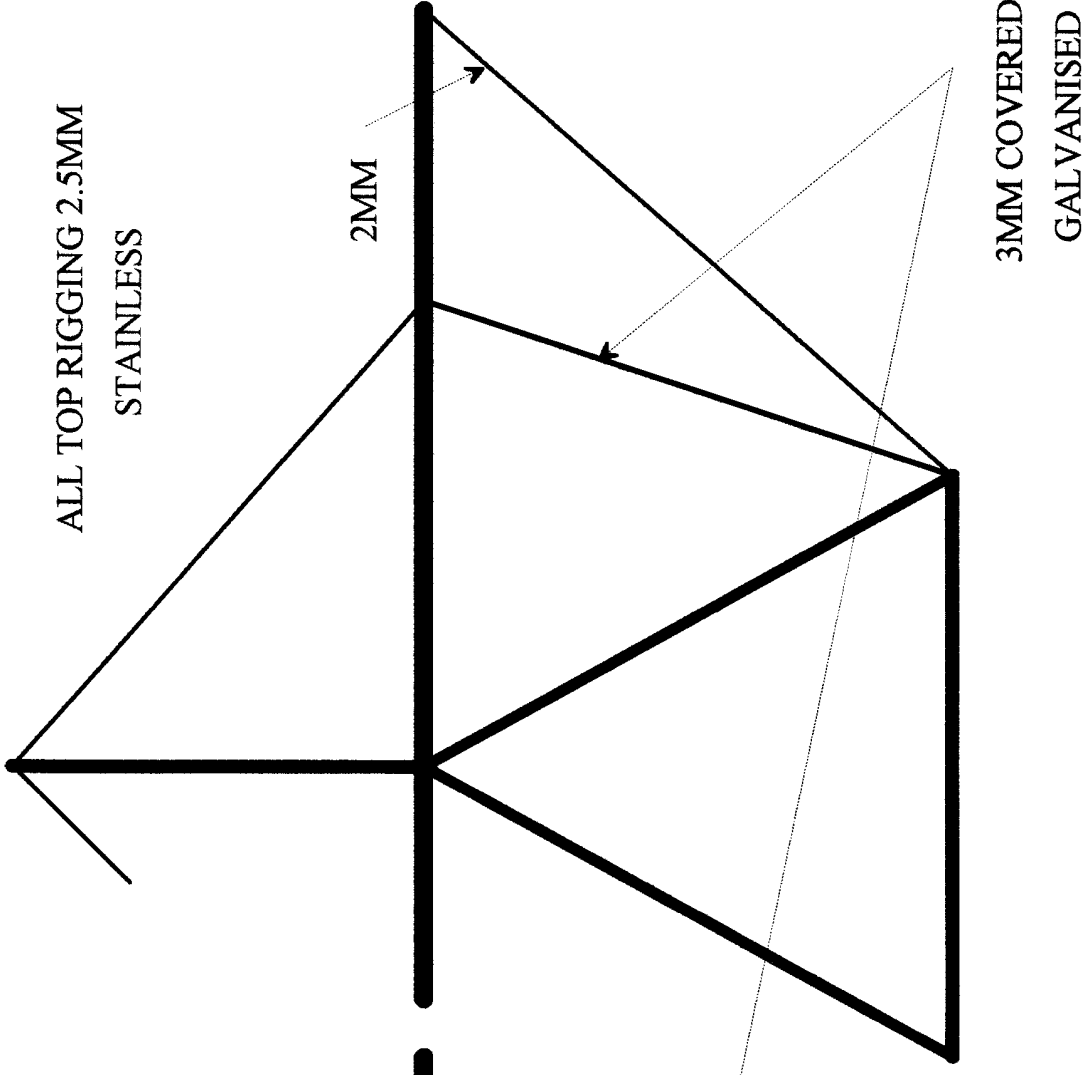


GRYPHON 2  
G-MBPY

SIDE ELEVATION



FRONT ELEVATION



GRYPHON 2  
G-MBPY