

BRITISH MICROLIGHT AIRCRAFT ASSOCIATION
MICROLIGHT TYPE ACCEPTANCE DATA SHEET (TADS)

NO: BM061 ISSUE: 2

TYPE	SIROCCO 377GB (Modified)	
(1) MANUFACTURER:	- Midland Ultralights Ltd (no longer trading) - Treated as a Type Accepted BMAA Homebuilt, as described in MAAN 1086	
(2) UK IMPORTER:	N/A	
(3) CERTIFICATION:	BCAR SECTION S, (in the modification state at the date of manufacture or modification of any example)	
(4) DEFINITION OF BASIC STANDARD:	GA Drawing No. 8000 Issue 1 dated 11.4.95	
(5) DIMENSIONS/WEIGHT FOR COMPLIANCE WITH MICROLIGHT DEFINITION		
	(a) Wing area (inc canard area, excluding winglets):	13.99 m ²
	(b) Span:	10.31 m
	(c) Standard Mean Chord:	1.357 m
	(d) Dry Empty Weight (standard aircraft):	138 kg
	(e) Max Take-Off Weight:	238 kg
	(f) Wing Loading (Weight Empty/Wing Area):	9.86 kg/m ²
	(a) Wing Loading (Max Take-Off Weight/Wing Area):	17.01kg/m ²
	(h) Fuel Capacity (minimum usable):	20 litres

BRITISH MICROLIGHT AIRCRAFT ASSOCIATION
MICROLIGHT TYPE ACCEPTANCE DATA SHEET (TADS)

NO: BM061 ISSUE: 2

(6) POWER PLANTS

Designation	Sirocco 377GB (Modified)	
Engine Type	Rotax 377 fan cooled Inverted	
Reduction Gear	Rotax, 2.58:1	
Exhaust System	Rotax	
Intake System	Rotax side intake-muffler K&N filter	
Propeller Type	Romain 2 blade wood, square tipped	
Propeller Dia x Pitch	57" x 32"	
Noise Type Cert No.	14M issue 2	

(7) MANDATORY LIMITATIONS: * To be placarded

- (A) Max Take-off Weight: 238kg *
- (B) CG Limits: 71.4" to 76.1" AOD
- (C) CG datum: Aircraft nose
- (D) Cockpit Loadings:
- | | Front | Rear | Total |
|------------------------------------|----------------|------|------------------|
| Pilot and Baggage or Ballast (Min) | 120 lb / 55kg | - | 120 lb / 55kg * |
| Pilot and Baggage (Max) | 200 lb / 91 kg | - | 200 lb / 91 kg * |
- (E) Permanent Ballast, Weight and Position: none
- (F) Empty CG: Approx 86.24" AOD
- (G) Never Exceed Speed: 86 mph IAS *
- (H) Manoeuvring Speed: 53 mph IAS *

BRITISH MICROLIGHT AIRCRAFT ASSOCIATION
MICROLIGHT TYPE ACCEPTANCE DATA SHEET (TADS)

NO: BM061 ISSUE: 2

(I) Permitted Manoeuvres: Non Aerobatic. Bank angle not exceeding 60° *

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

(K) Power Plant See Table

Engine	Rotax 377	
Max RPM	6,500	
MAX CHT	250 °C	
MAX EGT		
Fuel Spec	Petroleum spirit, minimum RON 90 or MON 83	
Engine Oil Spec	2 stroke oil SAE 20	
Gearbox oil spec		
Fuel/Oil Mix	50:1	

(8) INSTRUMENTS REQUIRED FOR TYPE ACCEPTANCE:

ASI	Altimeter	RPM	CHT / EGT	Compass	Coolant temp
Required	Required	optional	optional	optional	optional

(9) CONTROL DEFLECTIONS:

Pitch control UP:	135 mm ± 5 mm	Tailplane trim UP:	10mm ± 1.5mm
Pitch control DOWN:	200 mm ± 5 mm	Tailplane trim DOWN:	22mm ± 2.5 mm
Spoilers UP:	150mm ± 10mm	Rudder LEFT:	250mm ± 5 mm
Spoilers Down:	n/a	Rudder RIGHT:	250mm ± 5 mm

BRITISH MICROLIGHT AIRCRAFT ASSOCIATION
MICROLIGHT TYPE ACCEPTANCE DATA SHEET (TADS)

NO: BM061 ISSUE: 2

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

Midland Ultralights Ltd Document Ref. 15. Sirocco 377GB Flight Manual.

Manufacturer's engine manual

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


11.1 Mandatory Permit Directive MPD 1995-097 requires inspection of the elevator push rod control tube for wear and damage by a BMAA inspector at intervals of no more than 50 flying hours.

11.2 Mandatory Permit Directive MPD 1999-005 requires that before any further flight the stabilator and mountings are modified in accordance with MAAN 1336 or some other approved repair scheme, after which a check flight is to have been carried out. No subsequent action to this modification is then required.

(12) MINIMUM PERFORMANCE AT MAX TAKE-OFF WEIGHT

Rate of Climb: 800 fpm

Stall or Minimum Flying Speed: 27 mph IAS

BMAA Approval:		G B Gratton Chief Technical Officer	12 April 1999
-------------------	---	---	---------------

Issue History

Issue 1 Issue by BMAA, 22 Jul 1998, MAAN 1086 issue 2, correcting errors in the MAAN and issuing this as a separate TYPE ACCEPTED TADS. Signatory G B Gratton, CTO.

Issue 2 Incorporating MPD 1999-005. Signatory, G B Gratton, CTO.

BRITISH MICROLIGHT AIRCRAFT ASSOCIATION
MICROLIGHT TYPE ACCEPTANCE DATA SHEET (TADS)

NO: BM061 ISSUE: 2

Illustration of Aircraft

