



# SAILPLANE - POWERED SAILPLANE WEIGHING RECORD

GFA Form W1  
Oct2017

Weighed by: .....	Place: .....	Date: .. / .. / ..
Scales used: .....	Level Ref: .....	Datum: .....

## SAILPLANE - POWERED SAILPLANE DETAILS

Type	Serial number	C of R. No. <b>G</b>	Reg. <b>VH -</b>	Other Marks
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## EQUIPMENT LIST - ITEMS FITTED TO, OR NORMALLY CARRIED IN SAILPLANE

Qty.	Airspeed indicator (Knots)	Qty.	Mechanical Variometer	Qty.	Seat Cushions	Qty.	Unusable Fuel
	Altimeter (Feet)		Electric Variometer		Back Rest		Tachometer
	Compass		Air Data Computer		Head Rest		Engine Controller/Monitor
	Radio		GPS		Tie Down Kit		CO Detector
	Battery		Data Logger		Tail Parachute		Rear view Mirror/s
	Oxygen equipment		Other instrument		Water Ballast Bags		Other Engine Instrument

### WEIGHING MODELS

**Model 1**

$X = \frac{G_2 \times b}{G} + a$

**Model 1a**

$X = \frac{G_2 \times b}{G} - a$

**Model 2**

$X = \frac{G_2 \times b}{G} - a$

**Model 3**

$X = \frac{G_2 \times b}{G} - a$

### MEASUREMENTS AND CALCULATIONS

All dimensions are to be taken as positive

Left Wing		Right Wing	
Winglet	kg	Winglet	kg
Outer Panel	kg	Outer Panel	kg
Inner Panel	kg	Inner Panel	kg
Total Left Wing	kg	Total Right Wing	kg
Tail wheel Tricycle landing gear		Add Left Wing	
$G_1$ Left + $G_1$ Right = $G_1$	kg	Add main pin/s * (See manual)	
Nose wheel Tricycle landing gear		Total - Wings Structure weight	
$G_2$ Left + $G_2$ Right = $G_2$	Kg	mm	
Total Empty Weight $G$	kg	mm	
Less Total - Wings Structure weight	kg	mm	
Weight of Non-Lifting Parts, empty $G_3$	kg	mm	
* Note: Some designs require main pin/s weight to be in non-lifting parts.		mm	
Type 1 only, $X = \frac{G_2 \times b}{G} + a =$		mm	
Types 1a, 2, 3, $X = \frac{G_2 \times b}{G} - a =$		mm	

### LOGBOOK ENTRY

Empty weight	kg	Arm	mm
Weight of Non-lifting Parts, empty		kg	
Weighed by:			Date:

**STRIKE OUT MODELS NOT USED**

Note: After weighing, forward this form plus GFA form W2 to returns@glidingaustralia.org