

**BRITISH MICROLIGHT AIRCRAFT ASSOCIATION
ADVANCED WEIGHT & CG REPORT (3-AXIS)**

owner's name Mr R Cornwell		BMAA no. 8712	
a/c registration G-EFOX	make / type EuroFox 912(1)		
date of weighing 25-Oct-11	a/c serial no. BMAA/HB/604		
engine Rotax 912UL	propeller Duc Swirl, 3-blade, 166cm		
units of positions from datum - e.g. metres or inches		mm	
HADS / TADS reference HM18	HADS / TADS issue 1		

empty weight		empty weight [kg]	position from datum [mm]
empty weight [kg]	port main wheel	130.6	-21
289.5	starboard main wheel	133	(same as port)
position from datum [mm]	nose-wheel or tail-wheel	25.9	4289
364.592	fixed ballast (optional)		

pilot	minimum load [kg]	maximum load [kg]
	55	100
<input checked="" type="checkbox"/> fixed position seat	position from datum [mm]	440
<input type="checkbox"/> adjustable position seat	aft position [mm]	
	forward position [mm]	
<input type="checkbox"/> weight dependent position	light position [mm]	
intermediate load [kg]	heavy position [mm]	

<input checked="" type="checkbox"/> passenger	minimum load [kg]	maximum load [kg]
	0	100
<input checked="" type="checkbox"/> fixed position seat	position from datum [mm]	440
<input type="checkbox"/> adjustable position seat	aft position [mm]	
	forward position [mm]	
<input type="checkbox"/> weight dependent position	light position [mm]	
intermediate load [kg]	heavy position [mm]	

<input type="checkbox"/> occupants	maximum (combined) occupant load [kg]

<u>fuel tanks</u>	capacity [litres]	position from datum [mm]	description (optional)
<input type="checkbox"/> tank 1	80	440	wing tank
<input type="checkbox"/> tank 2			
<input checked="" type="checkbox"/> collector tank	6	870	collector

<u>miscellaneous</u>	maximum load [kg]	position from datum [mm]	description (optional)
<input checked="" type="checkbox"/> miscellaneous 1	7.5	1200	baggage
<input type="checkbox"/> miscellaneous 2			

<u>aircraft</u>	maximum ZFW [kg]	aft limit [mm]
	292.5	410
	MAUW [kg]	forward limit [mm]
	472.5	260
<input type="checkbox"/> heavy cg limits	aft limit [mm]	
intermediate weight [kg]	forward limit [mm]	

weight and balance

empty weight [kg] 289.5
position from datum [mm] 364.592

this aircraft is within the weight requirement of the TADS / HADS ☒ y
this aircraft is within the balance requirements of the TADS / HADS ☒ y
this aircraft requires an occupant / fuel-weight trade-off placard ☒ y

this aircraft COMPLIES with the weight and balance requirements of the TADS / HADS

occupant / fuel-weight trade-off requirements (TIL 026) met and up-to-date ☐

signed:

date:

inspector no.:

WEIGHTS FROM BMAA INSPECTOR A LLOYD

485

summary

empty weight [kg]	289.5
maximum ZFW [kg]	292.5

this aircraft is within the empty weight limit

fully loaded weight [kg]	558.9
MAUW [kg]	472.5

this aircraft requires an occupant / fuel-weight trade-off placard

most aft cg position

cg position [mm]	409.793
weight [kg]	472.5
fraction of cg range [%]	0.14
inside / outside cg range	inside
cg limit [mm]	410.0

item	load	position [mm]
baggage	7.5 [kg]	1200.0
collector	6.0 [litre]	870.0
pilot	100.0 [kg]	440.0
passenger	71.2 [kg]	440.0
wing tank	0.0 [litre]	440.0

most aft cg position (heavy)

cg position [mm]	
weight [kg]	
fraction of cg range [%]	
inside / outside cg range	
cg limit [mm]	

item	load	position [mm]

most forward cg position

cg position [mm]	376.631
weight [kg]	344.5
fraction of cg range [%]	77.75
inside / outside cg range	inside
cg limit [mm]	260.0

item	load	position [mm]
pilot	55.0 [kg]	440.0
passenger	0.0 [kg]	440.0
wing tank	0.0 [litre]	440.0
collector	0.0 [litre]	870.0
baggage	0.0 [kg]	1200.0

most forward cg position (heavy)

cg position [mm]	
weight [kg]	
fraction of cg range [%]	
inside / outside cg range	
cg limit [mm]	

item	load	position [mm]

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comments:

this form has been checked and the inspector's conclusion confirmed ☒

signed:

name:

date:

Bajin J Sg-

CTO

1 MAY 2012