

BRITISH MICROLIGHT AIRCRAFT ASSOCIATION

WEIGHT REPORT

see TIL 012 for BMAA weight and balance policy

a/c registration	G-CDVI	make / type	IKARUS C42 FB80
date of weighing	3-Jul-2016	a/c serial no.	0602-6794
engine	ROTAX 912UL	propeller	Warpdrive
MAUW [kg]	472.5	total fuel capacity [litres]	65
max per seat [kg]	120	max (combined) occupant load [kg]	172
<u>3-axis control (click to change)</u>		BRS fitted at time of weighing?	No
HADS / TADS reference	BM68	HADS / TADS issue	11
units of positions from datum - e.g. metres or inches		mm	

equipment inventory

Radio - TRIG TY91
Transponder - TRIG TT21

weighing data

	empty weight [kg]	position from datum [mm]
port main wheel	98.8	762
starboard main wheel	97.2	(same as port)
nose-wheel or tail-wheel	72	-772
fixed ballast (optional)		

subsequent changes

date (mandatory)	description (mandatory)	weight increment [kg]	position from datum [mm]
3-Jul-2016	Carpet	0.7	200
3-Jul-2016	Headsets	1	400
3-Jul-2016	Tie down kit	2.5	400

weight and balance

empty weight [kg]	272.2
position from datum [mm]	350.14

The data on this form is both a correct and accurate description of the weight and balance of this aircraft at this time
The aircraft weighing (including the scales used) are in accordance with the requirements of BMAA TIL 012, latest issue
An up-to-date occupant/fuel trade-off placard is displayed in the aircraft
The balance of the aircraft has been checked (using the Balance Check worksheet) and is satisfactory

signed: **USING FIGURES MEASURED BY B.RENEHAN** date: **3 July 2016** inspector no.: **264**

BMAA OFFICE USE ONLY

comments:

this form has been checked and confirmed satisfactory

signed: *R.S. Mott* name: **Rob Mott** date: **06/05/2022**

**BRITISH MICROLIGHT AIRCRAFT ASSOCIATION
BALANCE CHECK**

see TIL 012 for BMAA weight and balance policy

a/c registration	<input type="text" value="G-CDVI"/>	make / type	<input type="text" value="IKARUS C42 FB80"/>	
		a/c serial no.	<input type="text" value="0602-6794"/>	
units of positions from datum - e.g. metres or inches			<input type="text" value="mm"/>	
HADS / TADS reference	<input type="text" value="BM68"/>	HADS / TADS issue	<input type="text" value="11"/>	
empty weight				
	empty weight [kg]	<input type="text" value="272.2"/>		
	position from datum [mm]	<input type="text" value="350.14"/>		
pilot - fixed position seat				
	minimum load [kg]	<input type="text" value="55"/>		
	maximum load [kg]	<input type="text" value="120"/>		
fixed position seat	position from datum [mm]	<input type="text" value="400"/>		
adjustable position seat	aft position [mm]	<input type="text"/>		
	forward position [mm]	<input type="text"/>		
weight dependent position	light position [mm]	<input type="text"/>		
	heavy position [mm]	<input type="text"/>		
	intermediate load [kg]	<input type="text"/>		
passenger - fixed position seat				
	minimum load [kg]	<input type="text" value="0"/>		
	maximum load [kg]	<input type="text" value="120"/>		
fixed position seat	position from datum [mm]	<input type="text" value="400"/>		
adjustable position seat	aft position [mm]	<input type="text"/>		
	forward position [mm]	<input type="text"/>		
weight dependent position	light position [mm]	<input type="text"/>		
	heavy position [mm]	<input type="text"/>		
	intermediate load [kg]	<input type="text"/>		
gross occupancy limit				
	maximum (combined) occupant load [kg]	<input type="text" value="172"/>		
fuel tanks				
	capacity [litres]	position from datum [mm]	description (optional)	
tank 1	<input type="text" value="65"/>	<input type="text" value="950"/>	<input type="text"/>	
no tank 2 (click to change)				
no collector tank (click to change)				
miscellaneous				
	maximum load [kg]	position from datum [mm]	description (optional)	
no miscellaneous 1 (click to change)				
no miscellaneous 2 (click to change)				
aircraft				
	MAUW [kg]	aft limit [mm]	<input type="text" value="560"/>	
	<input type="text" value="472.5"/>	forward limit [mm]	<input type="text" value="350"/>	
no heavyweight cg limit (click to change)				
	intermediate weight [kg]	aft limit, heavy [mm]	<input type="text"/>	
	<input type="text"/>	fwd limit, hvy [mm]	<input type="text"/>	

weight and balance

empty weight [kg] 272.2

position from datum [mm] 350.14

this aircraft is within the balance requirements of the TADS / HADS y

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

summary

most aft cg position

cg position [mm] 432.535
weight [kg] 374.0
fraction of cg range [%] 60.70
inside / outside cg range **inside**
cg limit [mm] 560.0

item	load	position [mm]
tank 1	65.0 [litre]	950.0
pilot	55.0 [kg]	400.0
passenger	0.0 [kg]	400.0

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]
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most forward cg position

cg position [mm] 358.521
weight [kg] 327.2
fraction of cg range [%] 4.06
inside / outside cg range **inside**
cg limit [mm] 350.0

item	load	position [mm]
pilot	55.0 [kg]	400.0
passenger	0.0 [kg]	400.0
tank 1	0.0 [litre]	950.0

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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BMAA OFFICE USE ONLY

comments:

this form has been checked and confirmed satisfactory

signed:

R.S. Mott

name:

Rob Mott

date:

06/05/2022

FUEL LIMITATIONS PLACARD

G-CDVI

MTOW [kg]	472.5
Actual Empty Weight [kg]	272.2
Total Fuel Capacity [litres]	65.0
Total Max Occupant Load [kg]	172.0
Max Misc (Baggage) Load [kg]	0.0
Cockpit Load Increment [kg]	5
Max Fuel Load [kg]	46.8
Max Cockpit Load [kg]	172
Max Fuel + Cockpit Load [kg]	218.8
MTOW - Empty Weight [kg]	200.3

Cockpit Weight [kg]	Max Fuel Load [litres]
170	42
165	49
160	55
155	62
153 or below	65 (full)