

# LOADMASTERS

Aircraft Weight & Balance, Load & Trim, Design & Modification Services

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## WEIGHT AND CENTRE OF GRAVITY SCHEDULE

REF. NUMBER	LW 8630	Issue. 1
AIRCRAFT DESIGNATION	DR400/140	
NATIONALITY & REGISTRATION MARK	G - BAGR	
CONSTRUCTOR	Avions Pierre Robin	
CONSTRUCTOR'S SERIAL NUMBER	753	
MAXIMUM AUTHORISED WEIGHT	1000 kg	

CENTRE OF GRAVITY LIMITS Refer to Flight Manual

### PART A: BASIC WEIGHT

The Basic Weight of the aircraft as calculated from LOADMASTERS

Weighing Report 15MA8630 ,dated 18-Mar-15 is: 614.3 kg

The Centre of Gravity of the aircraft in the same condition  
at this weight and with the landing gear extended is: 0.330 meters aft of datum

The total moments about this datum in this condition are: 202.9 kg.m

Note: The datum is the one to which the limits in the Certificate of Airworthiness or  
Flight Manual refer and is defined as the leading edge of the rectangular part of the wing

The Basic Weight includes the weight of the total quantity of unusable fuel and full oil  
and the weight of the following items which comprise the list of Basic Equipment:-

- Radio to current AD917 (or AD968 if on a new application)
- Flight Instruments - as listed in separate aircraft equipment list.
- Fire Extinguisher
- First Aid kit
- Pilots & Co-Pilots Seats
- Pax Seats Row 2 x 2

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WEIGHING RECORD		Ref. no. <b>15MA8630</b>	Issue <b>1</b>
Aircraft	Robin DR400/140	Registration	G - BAGR
Place	Hawarden	Date	18-Mar-15
Equipment	Platforms AC1-25	Serial no.	753
Aircraft attitude..LEVEL...degrees Nose Up / Down		Weighted by	Nick Bottomley

  

All Weights in  $\frac{kg}{kg}$  / kg

Pos'n	S/No	Weight (Each reaction)	Weight (Totals)	Arm $\frac{m}{m}$	Moment $\frac{kg \cdot m}{kg \cdot m}$
1	409	188.0	188.0	-0.832	-156.4
2					
3					
4	404	208.0	419.0	0.838	351.1
5	551	211.0			
6					
7					
8					
9					
10					
11					
12					
AS WEIGHED			607.0	0.321	194.7
Total Subtractions (see over)			Nil	0.0	0.0
Total Additions (see over)			Drainable Unusable Fuel	7.3	8.2
AIRCRAFT WEIGHT			614.3	0.330	202.9

REMARKS:

The Aircraft Weight with the fuel tanks empty (completely) but including unusable fuel, engine oil full, systems primed and equipped as per NWMAAS Ltd

Check List dated 18-Mar-15 is 614.3 kg

The Centre of Gravity (Arm) is 0.330 m aft of the datum

Certified that the above mentioned aircraft has been weighed in accordance with the terms of the order applicable thereto and unless otherwise stated above conforms fully to the standards/specifications quoted hereon and the requirements of the C.A.A. or other regulating authority.

Signed:

for and on behalf of Loadmasters

C.A.A. Approval ref. AI/9901/04