

WEIGHT AND CENTRE OF GRAVITY SCHEDULE

REF NUMBER: PWL 10476

AIRCRAFT DESIGNATION: Cessna F172M

NATIONALITY AND REGISTRATION MARK: G-DUNK

CONSTRUCTOR: Reims Aviation S.A.

CONSTRUCTOR'S SERIAL NUMBER: F172 01402

CENTRE OF GRAVITY LIMITS:

(Normal category) (+ 38.5) to (+ 47.3) at 2300 lbs
(+ 35.0) to (+ 47.3) at 1950 lbs

(Utility category) (+ 35.5) to (+ 40.5) at 2000 lbs
(+ 35.0) to (+ 40.5) at 1950 lbs
Straight line variation between points given

MAX AUTHORISED WEIGHT: (Normal cat.) 2300 lbs
(Utility cat.) 2000 lbs

PART A. BASIC WEIGHT

The Basic Weight of the aircraft as calculated from Weighing Report Planeweighs no. 10476 dated the 28-Mar-07 is: **1534 lbs.**

The Centre of Gravity of the aircraft in the same condition, at this weight and with the landing gear extended is: **38.64 inches Aft of the Datum.**

The total moment about the datum in this condition is: **59260 lbs / inches.**

NOTE: The datum is the one to which the limits in the Certificate of Airworthiness of Flight Manual refer and is defined as: **Fwd face of firewall bulkhead**

The Basic Weight includes the weight of 24.0 lbs unusable fuel and the weight of the following items, which comprise the Basic Equipment:

ITEM

As per owner's list

PART B. VARIABLE LOAD

The weight and lever arms of the variable load are shown below. The variable load depends on the equipment carried for the particular role.

<u>ITEM</u>	<u>WEIGHT (lbs)</u>	<u>LEVER ARM (in)</u>	<u>MOMENT (lb/in)</u>
Pilot	Use actual	40.00	As calculated

NOTE: The actual weight of the pilot must be used for aircraft not exceeding 12500 lbs and with less than 12 seating capacity.

PART C. LOADING INFORMATION (DISPOSABLE LOAD)

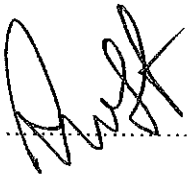
<u>ITEM</u>	<u>WEIGHT (lbs)</u>	<u>LEVER ARM (in)</u>	<u>CAPACITY</u>
Usable fuel (max)	228.0	48.00	38.0 US gall.
			31.7 imp gall.
Engine oil (inc in Basic Weight)	15.0		8.0 US Qt.
			1.7 imp gall.

			<u>MOMENT (lb/in)</u>
Passenger Row 1	Use actual	40.00	As calculated
Passenger Row 2	Use actual	73.00	As calculated
Passenger Row 3	N/A		
Baggage:	120 (max)	95.00	As calculated

NOTE: Fuel density is 6 lbs / US gallon (7.2 lbs / imp gallon)
 Engine oil is 7.5 lbs / US gallon (9 lbs / imp gallon)

To obtain the total loaded weight of the aircraft, add to the Basic Weight the weights of the variable and disposable load items to be carried for the particular role.

This schedule was prepared on **28-Mar-07** and supercedes all previous issues.

Signed.....  on behalf of Planeweighs Ltd.
 CAA Approval no. **AI/8538/79**

NOTE: It is a requirement of the Air Navigation Order that the Commander of an aircraft registered in the United Kingdom shall satisfy himself, before takeoff, that the load carried is of such weight and is so distributed and secured, that it may be carried safely on the intended flight. Refer to the ANO, Article 28.

