

8.1 Empty weight center of gravity:

Serial No. 1507-7404

Aircraft data sheet No:

Typ: C-42C

Basic empty weight (standard equipment): kg

Operating empty weight (incl. optional equipment): 291.5 kg

a = 770 mm, b = 1540 mm

G₁ G_{1R} : 109.5 + G_{1L} : 111.5 = 221.0 kg
 G₂ = 70.5 kg
 G total = 291.5 kg

x_s mm: 397.55 mm

x_s % : 29,2 % L

It is the pilot's responsibility to ensure that the MTOW of 1041 lbs (472.5 kg) is not exceeded.

max. useful load: kg

MTOW: 472,5 kg

Loading plan

position	weight x lever arm = torque		
	kp	cm	cm kp
empty weight	<u>291.5</u>	<u>39.75</u>	<u>11587.125</u>
1. seats		40	
2. fuel		95	
3. baggage		130	
total weight	kp	total torque	kp
center of gravity CG =	total torque	[cm kp]	cm
	total weight	[kp]	

allowed range for CG: 300 - 560 mm behind zero datum (leading edge)

empty weight CG: 280 - 460 mm behind zero datum (leading edge)

Date: 06.08.2015

Signature: _____

