



Port City Air, Inc.
104 Grafton Drive – Pease International Trade Port
Portsmouth New Hampshire
FAA Certified Repair Station #P49R49ON

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Weight And Balance Data
Actual Weight

N2537G

182B

S/N 51837

5/24/2023

Position	Weight	Arm	Moment
Nose	546	-64.5	-35217
Right Main	867	61.0	52887
Left Main	913	61.0	55693
Total	2326		73363

Subtracted Fuel

Empty weight	2326
Useful load;	624
Empty weight;	2326
EWCG;	31.54
Max weight;	2950

Weighed By : Richard Ruel

5/24/2023

Calibration date 9/13/2022

Jackson Aircraft Weighing System; M2400 Wireless Laptop System. Calibrated

WEIGHT AND BALANCE REPORT N2537G

AIRCRAFT: N2537G
MANUFACTURER: CESSNA
MODEL: 182B

DATE: November 18, 2015

Aircraft weighted in closed hanger on Roadrunner I aircraft scales on EDO 289-2700 Amphibious floats, all equipment in place, zero fuel and full oil. Datum is front of firewall and aircraft was leveled by placing a level on the upper doorsill

Forward weighing points was under the float foward of the fire wall at - 19.50
Aft weighing points was under the float rear of the firewall at + 53.5

	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
RIGHT SCALE	807	+ 53.5	43,174.5
LEFT SCALE	904	+ 53.5	48,364.0
Forward SCALE	<u>518</u>	- 19.5	<u>-10101.0</u>
TOTALS	2229	+ 36.5	81,437.5

This aircraft has an empty weight of 2229 lb. with an empty C of G at 36.5 inches aft of Datum. This aircraft has a gross weight of 2950 lb.

The C of G limits for this aircraft on Edo 289-2700 Amphibious floats are 36.0 to 46.5 inches aft of Datum (as per STC)

Oil capacity is 12 QTS = 22lb. at -18.2 arm and has a moment of -400.4

Weight and balance was in accordance with current federal regulations.

PAUL M. ZANIS AP18365759IA

N2537G

EQUIPMENT LIST FOR WEIGHT AND BALANCE DATED NOVEMBER 24, 2015

AIRCRAFT: CESSNA

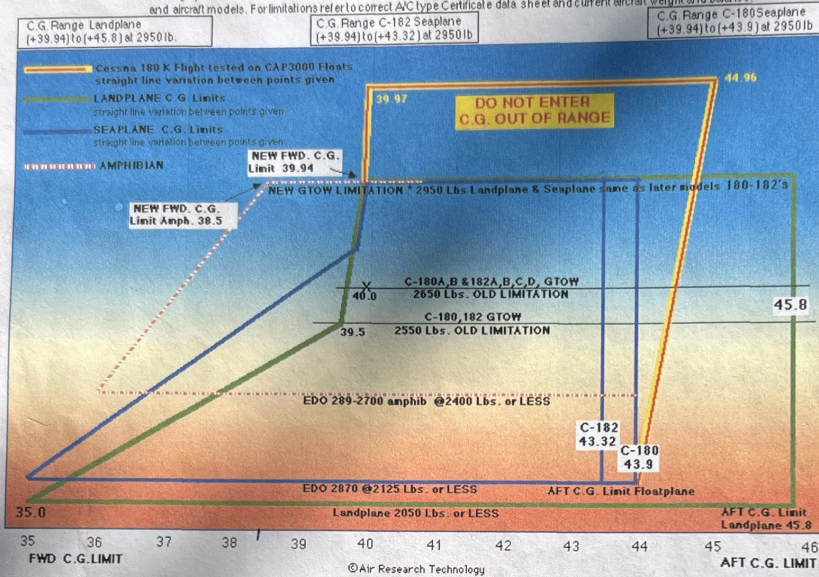
TYPE: 182B

SERIAL#: 51837

EQUIPMENT	WEIGHT	ARM
DELCO REMY STARTER	14.0	-40.0
BRACKET AIR FILTER	1.0	-15.0
ENGINE OIL COOLER	3.0	-33.0
BATTER R35	28.0	114.0
HARTZELL ALTERNATOR AL12-F-60	9.0	-5.0
LANDING LIGHTS (2) GE 4509	4.0	32.0
STALL WARNING INDICATOR	2.0	15.0
TURN AND BANK	2.0	16.0
CLOCK	0.5	18.0
COMPASS	1.0	16.0
VSI	1.0	17.0
ALT.	2.2	14.0
D.G.	4.0	16.0
HORIZON	4.5	15.0
SMART SCANNER	2.0	17.0
VACUUM SYSTEM	7.0	-10.0
DUAL CONTROLS	5.0	8.0
SUNVISORS	1.5	32.0
ROTATING BEACON	1.5	218.0
FIRE EXTINGUISHER	7.0	45.0
EDO 289-2700 FLOATS-AMPHIBIOUS	570.0	38.1
HYDRAULIC SYSTEMS AND, HAND PUMP	12.3	-2.0

GTOW and C.G. LIMITS with *WingExtensions* Cessna 180, 180A thru C and Cessna 182, 182A thru D
 Straight line variation between points given.

* This graph is for demonstration only DO NOT USE for operational purposes. C.G. Limits may vary with different float types and aircraft models. For limitations refer to correct A/C type Certificate data sheet and current aircraft weight and balance.



N2537G C of G Limits

C of G Limits at 2400 lbs or less are 36 to 43.9 as above chart and ART Wing Extension STC.

C of G Limits at 2950 are 38.5 to 43.9 as per above chart and Art Wing Extension STC.

Use above chart for C-182 on Edo 2700 Amphibs for all weights between 2400lbs and 2950 Lbs.