

Aircraft Basic Empty Weight and Balance

Date: November 7, 2018

Model: Beechcraft Travelair D95A

Aircraft Serial: TD-697

Registration: N998DM

Aircraft weighed as equipped this date IAW D95A owner's manual, Travel Air shop manual, TCDS 3A16 and AC 43.13-1B section 2 utilizing calibrated wheel-weighing scales, landing gear struts extended.

Scale S1 reading = 1546 lbs.	Left main wheel	Tare = 0 lbs.	Net weight = 1546 lbs.
Scale S2 reading = 1545 lbs.	Right main wheel	Tare = 0 lbs.	Net weight = 1545 lbs.
Scale S3 reading = 551 lbs.	Nose wheel	Tare = 0 lbs.	Net weight = 551 lbs.

Aircraft weighed with **full** fuel (112 gals), **6 qts indicated** Engine oil per side, no headsets or equip inside the cabin. Aircraft leveled longitudinally and laterally using the leveling screws as identified on the side of the fuselage.

Scale S1 arm = 96.375

Scale S2 arm = 96.375

Scale S3 arm = 12.25

Actual weight as described = 3642 lbs.

Actual CG as described = 83.64

Total moment as described = 304644.8

Total Empty weight less useable fuel (106 gals) = 3006 lbs.

Empty weight CG less fuel (264 lbs. @ arm 75.0) + (372 lbs. @ arm 93) = 83.25

Total moment less useable fuel = 250248.8

C.G. Range: (Landing Gear Extended)

(+80.5) to (+86.0) at 4200 lb.

(+75.0) to (+86.0) at 3600 lb. or less

Straight line variation between points given

Landing gear retraction moment (+623 in.-lb.)

It is the responsibility of the airplane owner and pilot to assure that the airplane is properly loaded. Maximum allowable gross weight is 4200 pounds. See "weight and balance section" for loading instructions.

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