

Beech Bonanza Empty Weight & Balance Worksheet

Reaction points (ARM) derived from Beechcraft Form 90-761-1C for Aircraft approved under TCDS 3A15

DATUM	00.0 +
FWD JACK POINTS	83.1 (wing fittings)
AFT JACK POINT	271.0 (tail stand)
NOSE WHEEL	13.1 Strut Compressed
	11.8 Strut Fully Extended
	√ 12.6 Strut 3.0" Extended
MAIL WHEELS	97.0 Strut Compressed
	96.0 Strut Fully Extended
	√ 96.6 Strut 3.5" Extended

Weights to be recorded in Pounds and 10ths of a pound. Measurements to be recorded in Inches and 10ths of an inch
Moments to be recorded in Whole Inch-Pounds

Reaction Point	Scale Reading	Tare	Net Weight	ARM	MOMENT
Left Main Wheel				96.6	
Right Main Wheel				96.6	
Nose Wheel				12.6	
Left Jack Point				83.1	
Right Jack Point				83.1	
Tail Jack Point				271.0	
Total as Weighed					
If empty weight items are not in airplane as weighed, they should be added in space below. If fuel or useful load items are in airplane as weighed, they should be subtracted in space below. Add (+) or Remove (-)					
Fuel, main tanks			()	75.0	()
Fuel, aux tanks			()	94.0	()
Fuel, tip tanks			()	89.5	()
Deicing Fluid			()	100.0	()
Corrected Empty (Operating) Weight					
Oil (12 quarts @ 7.5 lbs gal)			(23)	25.0	-575
Unusable Fuel (6 Gal @ 6 lbs gal)			(36)	75.0	-2700
CERTIFIED EMPTY WEIGHT (Actual)					

NOTE: Level using plumb line between two external screws on fuselage bulkhead aft of baggage compartment.