

MAINE INSTRUMENT FLIGHT

Since 1946

WEIGHT & BALANCE INFORMATION-BEECHCRAFT SPORT

Maine Instrument Flight has 6 Beechcraft Sport airplanes. Below you will find the empty weight and empty weight moment for each airplane as of October 9th, 2017. Each Sport fuel tank has a *total* capacity when full of 29.9 gallons, 20 gallons at the slot, and 15 gallons at the bottom of the tab. Please note, however, that the *unusable* fuel varies according to the aircraft serial number. Also, the *unusable* fuel in both tanks is already factored into the empty weight of the aircraft. Therefore, only use the **usable** fuel quantities when figuring weight & balance and when calculating the endurance.

N2053L

SR# MB-812

7.8 GALLONS UNUSABLE FUEL

(3.9 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1,515 lbs.

EMPTY MOMENT: 167,079

N2168W

SR# MB-659

7.8 GALLONS UNUSABLE FUEL

(3.9 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1500.6

EMPTY MOMENT: 165,926

The **usable** amount of fuel in *each* tank for N2053L and N2168W is:

Full = 26 gallons

Slot = 16.1 gallons

Bottom of the tab = 11.1 gallons

N23982

SR# MB-831

2.6 GALLONS UNUSABLE FUEL

(1.3 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1,492.3 lbs.

EMPTY MOMENT: 166,548

N2012K

SR# MB-901

2.6 GALLONS UNUSABLE FUEL

(1.3 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1,486.6 lbs.

EMPTY MOMENT: 165,600

N24020

SR# MB-838

2.6 GALLONS UNUSABLE FUEL

(1.3 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1,491.1 lbs.

EMPTY MOMENT: 166,105

N5137M

SR# MB-890

2.6 GALLONS UNUSABLE FUEL

(1.3 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1,496 lbs.

EMPTY MOMENT: 166,157

The **usable** amounts of fuel in *each* tank for N23982, N24020, N5137M, & N2012K are:

Full = 28.6 gallons

Slot = 18.7 gallons

Bottom of the tab = 13.7 gallons

MAINE INSTRUMENT FLIGHT

Since 1946

Weight **x** **Arm** **=** **Moment**

Empty Airplane		The arm of the empty airplane is not needed.	
Pilot		110* (average)	
Co-Pilot		110* (average)	
Fuel (6lbs/ Gal.)		117	
Baggage		142	

TOTAL WEIGHT

TOTAL MOMENT

*N2053L, N23982, & N24020-Seat position is variable from 105 to112
N5137M & N2012K-Seat position is variable from 104 to 112

