

MAINE INSTRUMENT FLIGHT

Since 1946

WEIGHT & BALANCE INFORMATION-BEECHCRAFT SUNDOWNER

Maine Instrument Flight has 5 Beechcraft Sundowner airplanes. Below you will find the empty weight and empty weight moment for each airplane as of October 9th, 2017. Each Sundowner 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.

N9731L

SR# M-1358

7.8 GALLONS UNUSABLE FUEL

(3.9 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1,480.1 lbs.

EMPTY MOMENT: 165,418.2

The **usable** amount of fuel in *each* tank for N9731L is:

Full = 26 gallons

Slot = 16.1 gallons

Bottom of the tab = 11.1 gallons

N66126

SR# M-2382

2.6 GALLONS UNUSABLE FUEL

(1.3 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1,645.6 lbs.

EMPTY MOMENT: 183,731.2

N2397E

SR# M-1949

2.6 GALLONS UNUSABLE FUEL

(1.3 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1,555.1 lbs.

EMPTY MOMENT: 170,920.3

N18516

SR# M-2344

2.6 GALLONS UNUSABLE FUEL

(1.3 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1,617.0 lbs.

EMPTY MOMENT: 181,057.4

N2010A

SR# M-2344

2.6 GALLONS UNUSABLE FUEL

(1.3 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1579.4 lbs.

EMPTY MOMENT: 175,224.7

N23HK

SR# M-1911

2.6 GALLONS UNUSABLE FUEL

(1.3 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1,572.6 lbs.

EMPTY MOMENT: 174,593.2

N2243L

SR# M-1890

2.6 GALLONS UNUSABLE FUEL

(1.3 GALLONS UNUSABLE PER TANK)

EMPTY WEIGHT: 1579.4 lbs.

EMPTY MOMENT: 175,224.

The **usable** amounts of fuel in *each* tank for N66126, N18516, N23HK, N2397E, N2010A, & N2243L are:

Full = 28.6 gallons

Slot = 18.7 gallons

Bottom of the tab = 13.7 gallons

	WEIGHT	X	ARM	=	MOMENT
Empty Airplane			Variable		
Front Seats			110* *average seat position		
Rear Seats			142		
Usable Fuel (6 lbs./gallon)			117		
Baggage			167		

TOTAL WEIGHT

TOTAL MOMENT

Beechcraft Sundowner, C23

07/22/2016

