

Edinburgh Flying Club

Load Sheet for Piper Warrior PA-28-161 G-BPFH

Full usable fuel = 181 litres (40 Imp Galls)

To calculate actual weight of fuel in aircraft:

Calculate the fuel used since the aircraft was last refuelled by multiplying elapsed tacho time since last refuelling by a typical fuel burn of **32** litres per tacho hour. Subtract this quantity from the full usable fuel figure above.

1 imperial gallon = 1.2 US gallons = 4.54 litres, **all of which weigh 7.2 lbs**

G-BPFH	Empty weight (lbs)	Arm (ins)	Moment (wt x arm)
Aircraft basic empty weight	1592 (1592.47)	87.4	139,182
Fuel load		95	
Pilot seat		80.5	
Front seat 2		80.5	
Rear seat 1		118.1	
Rear seat 2		118.1	
Baggage (max 200 lbs)		142.8	
	Total weight (sum of above)	Lever arm (total moment ÷ total weight)	Total moment (sum of above)
Totals		← _____	
Permissible limits	Max weight 2325 lbs	↓ (see graph)	
Declaration: <u>Aircraft is within weight and balance limitations</u>			
Signed: _____ (Aircraft Commander) Date: _____			