

G-FAVS: Favourites Racing Ltd's PA32

Weight and Balance Table

| | Weight (LBS) | Arm Aft of Datum (inches) | Moment (Inch LBS) |
|-------------------------------|--------------|---------------------------|-------------------|
| Basic Weight | 1939.4 | 78.6 | 152525 |
| Pilot & Front Passenger | | 85.5 | |
| Passenger Centre Seats | | 118.1 | |
| Passenger Rear Seats | | 155.7 | |
| Passenger Centre Jump Seat | | 118.1 | |
| Fuel (84 U/S Gallons Maximum) | | 95 | |
| Baggage Forward Locker | | 42 | |
| Baggage Aft | | 178.7 | |
| Total Loaded Aeroplane | | | |

Weight Conversion Chart

| Stones | Pounds | Kilos |
|--------|--------|-------|
| 8 | 112 | 50.8 |
| 9 | 126 | 57.1 |
| 10 | 140 | 63.5 |
| 11 | 154 | 69.8 |
| 12 | 168 | 76.2 |
| 13 | 182 | 82.5 |
| 14 | 196 | 88.9 |
| 15 | 210 | 95.2 |

Hint = Seat heavier people in rear seats

MAX AUTHORISED WEIGHT - 3400 LBS

$$\frac{\text{Total Moments}}{\text{Total Weight}} = \text{Inches Aft of Datum}$$

Fuel Considerations

| | | | |
|----------------|---------------------------------|-------------------------|-----------------------------|
| Capacities: | Tip: | 17 U/S Gallons per side | 102 LBS |
| | Main: | 25 U/S Gallons per side | 150 LBS |
| | Total Maximum Fuel: | 85 U/S Gallons | 510 LBS |
| Fuel Burn: | 14 U/S Gallons per hour | Absolute Max Endurance | 5 hours plus 1 hour reserve |
| Filling Tanks: | Fill Tips First Use Mains First | | |

Performance Data:

ALWAYS CARRY OUT YOUR OWN PERFORMANCE CALCULATION.

At MAUW of 3400 LBS this aircraft will require at least 1050 ft (320 M) take off run assuming a level paved surface in ISA Conditions. - 10 degree flap.

At MAUW of 3400 LBS this aircraft will require at least 633 ft (192 M) landing distance assuming a level paved surface in ISA Conditions. - 40 degree flap.