**PIPER Cruiser MTB**

**WEIGHTS Kgs Lbs**

Empty aircraft (unusable fuel & oil) 627 1381

Maximum takeoff weight (normal) 975 2150

Maximum landing weight (normal) 975 2150

Maximum takeoff weight (utility) 884 1950

Maximum landing weight (utility) 884 1950

Maximum permissible baggage weight 90 200

**FUEL AND OIL** **Litres US galls**

Total usable 181 47.6

Total to tabs 136 35.8

Consumption rate / hr (planning) 35 9.2

Oil maximum 8

Oil minimum 6

**FULL FUEL** 181 litres 131 Kgs or 286 Lbs

 Available load 211 Kgs or 483 Lbs

 Endurance 4 Hrs 20 mins (plus reserves)

**TAB FUEL** 136 litres 98 Kgs or 215 Lbs

 Available load 244 Kgs or 554 Lbs

 Endurance 3 Hrs 0 mins (plus reserves)

**AIR SPEEDS Speed (knts)**

Vne (never exceed) 147

Vno(max cruise) 119

Vma (max manoeuvring) 110

Vfe (max flap extension) 97

Vy (best rate of climb) 75

Vx (best angle) 68 (or P chart)

Vtoss (take off safety speed) 68 (or P chart)

Vs (nil flap) 54

Vso (full flap ext) 46

Best glide 75

TAS (flight planning) 105

X-wind (max) 15

**APPROACH**

Base 80

Mid final 75 > 70

At 50 feet 65