

TAKE OFF AND CLIMB

Normal, V_r is 50 mph, V_y is 70 mph with half flap.

Best angle climb speed V_x is 60 mph with half flap. This is not recommended due to potential loss of control in the event of an engine failure after take-off.

En route climb speed is 75 mph.

FUEL

12-13 l/h @ 4600 rpm power cruise is 100 - 105 mph.

Usable fuel is 85 litres.

Aircraft weighs 289 kg, full fuel weighs 61 kg, leaving 210 kg for crew and baggage.

APPROACH SPEEDS

Reduce power on base leg and trim to maintain less than 96 mph - top of white arc. Apply half flap and simultaneously lower nose and trim to maintain 70 mph according to aim point on runway. Fly at minimum 60 mph with full flap when landing is fully assured.

At about 30 feet reduce engine speed to idle. Reduce speed until the flare at a height of about 2-3 feet.

UPPER AIR WORK

Stalls and steep turns (aerobatics and intentional manoeuvres banking above 60 ° are prohibited).

STALLING SPEEDS

Clean – V_{s1} is 47 mph, full flap - V_{s0} is 43 mph.

GLIDE

At 60 mph the aircraft will glide 3 nautical miles from 2 000' agl.