

**Airspeed**

Never Exceed ( $V_{ne}$ )	155.5 kts
Max Structural Cruise/Rough Air	129 kts
Max Manoeuvring ( $V_a$ )	129 kts
Max Flap Extension ( $V_{fe}$ )	97 kts

**Engine**

Maximum RPM	2800 rpm
Normal Cruise RPM	2400 rpm
Maximum Cruise RPM	75% of power
Max Mag RPM drop	175 rpm (50 diff) @1800rpm

**Flight Load Factors**

Flaps up	+4.4g to -1.8g
Flaps down	+2.0g to 0.0g

**Performance Data**

Best rate of climb ( $V_y$ ) no flap	75 kts
Best angle of climb ( $V_x$ ) no flap	65 kts
Obstacle clearance takeoff (10 degrees flap)	59 kts

Stall speed (clean) ( $V_{s1}$ )	57 kts
Stall speed (full flap) ( $V_{s0}$ )	48 kts
Maximum demonstrated crosswind component	18 kts

Fuel consumption	30 litres/hour
Fuel capacity	120 litres
Unusable fuel	2 litres
Usable fuel	118 litres

**Maximum Performance/Short Field Data**

Takeoff rotation speed	55 kts
Takeoff climb rate, 10° flap	60 kts (NSAC recommends 65 kts)
Takeoff normal climb, no flap	75 kts

Approach speed, full flap	65 kts
Landing minimum speed, full flap	60 kts (at 50' decision point)