

AUSTRALIAN FLYING TRAINING SCHOOL

OPERATIONS MANUAL TYPE HANDLING NOTES

T-BIRD G115

ENGINE: Avco Lycoming O-235-112C 115 hp 4 cyl.
Max. Continuous Power Setting 2700 rpm
Max. take-off power 2800 rpm (Max. 5 minutes)

PROPELLER: Sensenich fixed pitch type

FUEL: Grade 100/130 Octane (Green)
or 100 LL (Blue)
Capacity Total 100 litres
Useable 91.7 litres
Consumption Total Average 22 litres/hr 65% power

OIL: Capacity Total Engine Capacity 6 Qt.
4 Qt. min. requirement

AIRSPEEDS (IAS): VNE 164 Kts
VNO 135 Kts
VA 95 Kts (normal)
99 Kts (utility)
VFE 94 Kts
Turbulent Penetration Speed Max. 135 Kts.

FLIGHT PLANNING: TAS 95 Kts (2500 rpm) @ Sea Level

STALLING SPEEDS: 0° Flap 53 Kts
12° Flap 51 Kts
40° Flap 48 Kts

SPINS **NOT** PERMITTED TGP, TGU
SPINS PERMITTED TGV, TGW, TGL, TGD

WEIGHT LIMITATIONS: Normal Category Max. take-off weight 850 kg
Normal Category Max. landing weight 850 kg
Utility Category Max. take-off weight 800 kg
Utility category Max. landing weight 800 kg
Baggage Max. 20 kg.

AIRCRAFT CENTRE OF GRAVITY CHARTS MUST BE CONSULTED

BEST ANGLE OF CLIMB	60 Kts Full power 12° flap
BEST RATE OF CLIMB	69 Kts Full power, blue line
NORMAL CLIMB	75 Kts Full power
BEST GLIDE SPEED	67 Kts
	Max. demonstrated crosswind 20 Kts
NORMAL APPROACH	80 Kts Base, 75 Kts Final, 70 Kts Threshold
FLAPLESS APPROACH	75 Kts Threshold
SHORT FIELD APPROACH	70 Kts Final, 65 Kts Threshold (850 kg.)