

CONDENSED HANDLING NOTES

TRINIDAD TB20

ENGINE: AVCO LYCOMING IO-540-C4-D5D
250 H.P.
6 CYL.

PROPELLER: Hartzell Variable Pitch "Constant Speed" Type

FUEL: GRADE 100/130 OCTANE (GREEN)
OR 100 LL (BLUE)
CAPACITY: TOTAL 336 litres, 73.5 Imp. gals., 88.2 U.S.
USEABLE 326 litres, 71.1 Imp. gals., 85.5 U.S.

CONSUMPTION: TOTAL AVERAGE 55 lt./hr. @ 65% Power
Best Power Mixture Setting

OIL: CAPACITY: TOTAL SYSTEM CAPACITY - 13.32 qt.
SUMP CAPACITY - 12 qt.

AIRSPEEDS: (IAS) VNE 189 KTS
VNO 151 KTS
VLE 140 KTS
VLO 130 KTS
VA 127 KTS
VFE TAKE OFF: 129 KTS. LANDING: 103 KTS.
VSI 64 KTS
VSO 53 KTS

MAX. CROSSWIND COMPONENT 25 KTS.
TURBULENT PENETRATION SPEED MAX. - 140, REC - 130.

FLIGHT PLANNING: TAS 155 Kts. (23" 2300 RPM)
* Consult Flight Manual for Power Settings at Altitude.

STALLING SPEEDS: (Calculated at 1335 Kg.)
0° FLAP - 64 Kts.
10° FLAP - 59 Kts.
40° FLAP - 53 Kts.
SPINS ARE PROHIBITED.

WEIGHT LIMITATIONS

TRINIDAD TB20

NORMAL CATEGORY: MAX. TAKE-OFF WEIGHT - 1335 KG.
 MAX LANDING WEIGHT - 1335 KG.

BAGGAGE: 65 KG / 110 LB.

AIRCRAFT C OF G CHARTS MUST BE CONSULTED.

BEST RATE OF CLIMB:

- LANDING GEAR UP, FLAP RETRACTED - 92 KTS.
- LANDING GEAR DOWN, LANDING FLAP - 73 KTS.

BEST ANGLE OF CLIMB:

- LANDING GEAR UP, FLAP RETRACTED - 81 KTS.
- LANDING GEAR DOWN, LANDING FLAP - 67 KTS.

NORMAL CLIMB: 100 KTS. 25" 2500 RPM

BEST GLIDE SPEED: 92 KTS.

NORMAL APPROACH: 90 KTS BASE/FINAL, 80 KTS MID FINAL,
75 KTS THRESHOLD.

SHORT FIELD APPROACH: 90 KTS BASE/FINAL, 75 KTS MID FINAL
70 KTS THRESHOLD.

FLAPLESS APPROACH: 85 KTS.

CIRCUIT PROCEDURE - AEROSPATIALE TRINIDAD TB20

