



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“PIPER TWIN COMANCHE”
PA-39-160

A.- Limitaciones de Operación

1.- Limitaciones (velocidades)

	KIAS	MPH
Va	141	162
Vne	200	205
Vno	169	194
Vfe	109	125
Vle	131	150
Vmcg	70	-.-
Vmca	70	90
Vs	66	76
Vso	61	69
Vx	78	90
Vy	91	112
Vxse	-.-	-.-
Vyse	91	105
Vapp	-.-	100
Vplano	-.-	100
Cross Wind	-.-	20

3.- Pesos
Maximum T-OFF Weight 3.600 lbs.
Maximum Baggage 200 lbs.

4.- Motor
Engine operating limits
Rate Horsepower (HP) 160
Rate Speed (RPM) 2.700
Static RPM Green Arc
Oil Temperature
Mínima 120°F
Máxima 245°F
Oil Pressure
Mínima 25 PSI
Máxima 100 PSI

2.- Combustible
Tipo a utilizar 100/130 Green
NORMAL TIP
Capacidad total 90 120 Gal.
Comb. Utilizable 86 114 Gal.
Fuel Pressure Green Arc

5.- Maneuver Limits (Normal Category)
MANEUVER ENTRY SPEED
Spins (flaps Up) PROHIBIT
Steep Turns MAX 162 MPH

B.- Emergencies Procedures

1.- ENGINE FAILURE DURING TAKEOFF/ (Not Airborne)

a.- Adequate Runway Remaining:

Throttle	REDUCE ON BOTH ENGINE
Brakes	AS REQUIRED
Stop	AIRPLANE STRAIGHT AHEAD

b.- Inadequate Runway Remaining:

Throttles	REDUCE ON BOTH ENGINE
Master Switch	OFF
Fuel Shutoff Valves	OFF BOTH
Brakes	APPLY

2.- ENGINE FAILURE DURING TAKEOFF (Airborne)

a.- Adequate Runway Remaining:

Throttle	REDUCE ON BOTH ENGINE
Brakes	AS REQUIRED
Effect	LANDING

b.- Inadequate Runway Remaining:

Inoperative Engine	FEATHER
Throttle (Eng. Oper.)	FORWARD
Propeller (Eng. Oper.)	FORWARD
Speed (Vyse)	91 KIAS
Temperature	CHECK
Trim	STABILIZER

3.- ENGINE FAILURE IN FLIGHT

Check	LOSS THRUST
Aircraft	CONTROL
Engine Inoperative	FEATHER

4.- ENGINE FIRE DURING START

Cracking	CONTINUE
Throttle	RETARD
Mixture	IDLE CUT-OFF