



**DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”**

CESSNA C-172

“CC – PAT”

A. OPERATING LIMITATIONS

1.- Limitations Speed (MPH)

Va	122
Vne	174
Vno	140
Vfe 10°	100
Vs	57
Vso	49
Vx	66
Vy	85
Vr	60
Vapp (Flap DN)	65-75
Vglide	80
Max Cross Wind	15

2.- Fuel (U.S. GAL)

Type to Use	100/130
Total Capacity	39
Usable Capacity	36

2.1.- Fuel Pressure (PSI)

Minimum	Red Line
Maximum	Red Line

3.- Weight (LBS)

Maximum TAKE-OFF	2.300
Maximum Baggage	120

4.- Engine (Maximum Continuous Power)

Engine Operating Limitations	
Reason HP o BHP	145
Maximum RPM	2.700
Static RPM	
Maximum	2.320
Minimum	2.420
Oil Temperature (°F)	
Maximum	240
Minimum	Green arc
Oil Pressure (PSI)	
Maximum	100
Minimum	10

5. - Maneuvering Limits (Normal Cat.)

MANEUVER	MPH
Spin (Flaps UP)	Slow Deceleration
Steep Turns	122
Lazy Eight	122
Chandelle	122

B. EMERGENCIES PROCEDURES

1.- ENGINE FAILURE DURING TAKEOFF RUN

Throttle	IDLE
Brakes	APPLY
Wing Flaps	RETRACT
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
Master Switch	OFF

2. - ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	75 MPH (FLAPS UP)
	70 MPH (FLAPS DOWN)
Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF

3. - ENGINE FAILURE DURING FLIGHT

Airspeed	80 MPH
Carburetor Heat	ON
Fuel Selector Valve	BOTH
Mixture	RICH
Ignition Switch	BOTH (or START if propeller is stopped)
Primer	IN AND LOCKED

4. - FIRE DURING START ON GROUND

Cranking	CONTINUE
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If Engine Starts:

Power	1.700 RPM for a few minutes
Engine	SHUTDOWN and inspect for damage

If engine fails to start:

Throttle	FULL OPEN
Mixture	IDLE CUT-OFF
Cranking	CONTINUE
Fire Extinguisher	OBTAIN
Engine	SECURE
Master Switch	OFF
Ignition Switch	OFF
Fuel Selector Valve	OFF
Fire	EXTINGUISH
Fire Damage	INSPECT

5. - ENGINE FIRE IN FLIGHT

Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Master Switch	OFF
Cabin Heat and Air	OFF
Airspeed	100 KIAS
Forced Landing	EXECUTE