



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

CESSNA C-172H

“CC – THL”

A. OPERATING LIMITATIONS

1.- Limitations Speed (MPH)

Va	122
Vne	174
Vno	140
Vfe 10°	100
Vs	57
Vso	53
Vx	66
Vy	85
Vr	60
Vapp (Flap DN)	65-75
Vglide	80
Max Cross Wind	15

4.- Engine (Maximum Continuous Power)

Engine Operating Limitations	
Reason HP o BHP	145
Maximum RPM	2.700
Static RPM	
Maximum	2.330
Minimum	2.220
Oil Temperature (°F)	
Maximum	240
Minimum	Green arc
Oil Pressure (PSI)	
Maximum	100
Minimum	10

2.- Fuel (U.S. GAL)

Type to Use	100/130
Total Capacity	42
Usable Capacity	39

2.1.- Fuel Pressure (PSI)

Minimum	Red Line
Maximum	Red Line

3.- Weight (LBS)

Maximum TAKE-OFF	2.300
Maximum Baggage	120

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**

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