



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“CESSNA C-172G”

“CC-MQA”

Nombre	Firma
Fecha:	

A.- OPERATING LIMITATIONS

1.- Speed limitations (MPH)

Va	122
Vne	174
Vno	140
Vfe	100
Vs	59
Vso	52
Vx	65
Vy	80
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

3.- Weight (LBS)

Maximum TAKE-OFF	2.300
Maximum Baggage	120

4.- Engine (maximum continuous power)

Engine Operating Limitations	
Reason HP o BHP	145
Máximas RPM	2.700
Static RPM (at sea level)	
Maximum	2.330
Minimum	2.230
Oil temperature (°F)	
Maximum	240
Minimum	Green Arc
Oil pressure (PSI)	
Maximum	100
Normal	30-60
Minimum	10

5.- Maneuvering Limits (Utility cat.)

MANEUVER	MPH
Spin (Flaps UP)	SLOW DECELERATION
Steep turns	122
Lazy eight	122
Chandelle	122
Stalls	SLOW DECELERATION

B.- EMERGENCY PROCEDURES FOR IMMEDIATE ACTION:

1.- ENGINE FAILURE DURING TAKEOFF RUN

Throttle	<u>IDLE</u>
Brakes	<u>APPLY</u>
Wing Flaps	<u>RETRACT</u>
Mixture	<u>IDLE CUT-OFF</u>
Ignition Switch	<u>OFF</u>
Master Switch	<u>OFF</u>

2. - ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	<u>65 TO 75 MPH</u>
Mixture	<u>IDLE CUT-OFF</u>
Fuel Selector Valve	<u>OFF</u>
Ignition Switch	<u>OFF</u>
Wing Flaps	<u>AS REQUIRED</u>
Master Switch	<u>OFF</u>

3. - ENGINE FAILURE DURING FLIGHT

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

4. FIRE DURING START ON: GROUND

1. Cranking **CONTINUE**, to get a start, which would suck the flames and accumulated fuel through the carburetor and into the engine.

If engine starts:

2. Power **1700** RPM for a few minutes.
3. Engine **SHUTDOWN** and inspect for damage.

If engine fails to start:

4. Cranking **CONTINUE**, in an effort to obtain a start.
5. Fire extinguisher **OBTAIN** (have ground attendants obtain if not installed)
6. Engine **SECURE**
 - a. Master switch **OFF**
 - b. Ignition switch **OFF**
 - c. Fuel selector valve **OFF**
7. Fire **EXTINGUISH**, using fire extinguisher, wool blanket, or dirt
8. Fire damage **INSPECT**, repair damage or replace damaged components or wiring before conducting another flight.

5. - ENGINE FIRE IN FLIGHT

Mixture	<u>IDLE CUT-OFF</u>
Fuel Selector Valve	<u>OFF</u>
Master Switch	<u>OFF</u>
Cabin Heat and Air	<u>OFF</u> (except overhead vents)
Airspeed	<u>98 MPH</u> (if fire is not extinguished, increase glide speed to find an airspeed which will provide an incombustible mixture).
Forced Landing	<u>EXECUTE</u> (as described in Emergency Landing without Engine Power).