



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“CESSNA C-152”
“CC-TCA MEGAPARTS S. A.”

A.- Operating Limits

1.- Aispeed Limitations

	KIAS
Va	104
Vne	149
Vno	111
Vfe	85
Vs	40
Vso	35
Vx (Sea Level)	55
Vy (Sea Level)	67
Vr	50
Vapp (Flap Down)	55-65
Vglide	60
Max Cross Wind	12

2.- Fuel (U.S. GAL)

Type to use	100LL
Total Capacity	26
Usable Fuel	24.5

2.1 Oil (U.S. Qts.)

Capacity	6
Capacity with Filter	7

3.- Weights (LBS)

Max. Takeoff Weight	1600
Maximum Baggage	120

4.- Engine (Max. Continuous Power)

Engine Operating Limitations	
HP or BHP Rate	110 BHP
Maximum RPM	2550
Static RPM	
Minimum	2280
Maximum	2380
Oil Temperature (°F)	
Normal Range	100 - 245
Maximum	245
Oil Pressure (PSI)	
Minimum	25
Normal Range	60 - 90
Maximum	115

5.- Maneuver Limitations

MANEUVER	KIAS
Chandelles	95
Lazy Eights	95
Steep Turns	95
Stalls	Slow deceleration
Spins (Flaps UP)	Slow deceleration

B.- Emergency Procedures

1.- ENGINE FAILURE DURING TAKEOFF ROLL

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

2.- ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

.Airspeed	60 KIAS
.Mixture	IDLE CUT-OFF
.Fuel Shutoff Valve	OFF
.Ignition Switch	OFF
.Wing Flaps	AS REQUIRED
.Master Switch	OFF
.Doors	UNLATCH PRIOR TO TOUCH DOWN

3.- ENGINE FAILURE DURING FLIGHT (RESTART PROCEDURES)

.Airspeed	60 KIAS
.Runway	SELECT FIELD
.Carburetor Heat	ON
.Primer	IN AND LOCKED
.Shutoff Valve	ON
.Mixture	RICH
.Ignition Switch	BOTH (or START if propeller is stopped)

4.- ENGINE FIRE DURING START ON GROUND

Continue Cranking to get a start which would suck the flames

If engine starts:

.Power	1700 RPM FOR A FEW MINUTES
.Engine	SHUTDOWN AND INSPECT FOR DAMAGE

If engine fails to start:

.Cranking	CONTINUE
.Fire Extinguisher	OBTAIN
.Engine	SECURE a) MASTER SWITCH - OFF b) IGNITION SWITCH - OFF c) FUEL SHUTOFF VALVE - OFF
.Fire	EXTINGUISH
.Fire Damage	INSPECT FOR DAMAGE

5.- ENGINE FIRE IN FLIGHT

.Mixture	IDLE CUT-OFF
.Fuel Shutoff Valve	OFF
.Master Switch	OFF
.Cabin Heat and Air	OFF
.Airpeed	85 KIAS

If fire is not extinguished, increase glide speed to find an airspeed which will provide an incombustible mixture

.Forced Landing	EXECUTE
-----------------	----------------

6.- ELECTRICAL FIRE IN FLIGHT

.Master Switch	OFF
.All other switches (except ignition switch)	OFF
.Vents/Cabin Air/Heat	CLOSED
.Fire Extinguisher	ACTIVATE (If available)
After discharging an extinguisher within a closed cabin, ventilate the cabin	
.Master Switch	ON
.Circuit Breakers	CHECK FOR FAULTY CIRCUIT, DO NOT RESET
.All Other Switches	ON ONE AT A TIME, WITH DELAY AFTER UNTIL SHORT CIRCUIT IS LOCALIZED
.Vents/Cabin Air/Heat	OPEN WHEN IT IS ASCERTAINED THAT FIRE IS COMPLETELY EXTINGUISHED