



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
 “SUBDEPARTAMENTO “LICENCIAS”

CESSNA SKYLANE C-182T NAVIII KAP140
CC-PNB

A. OPERATING LIMITATIONS

1.- Limitations Speed (KIAS)

Va (3.100 lbs)	110
Vne	175
Vno	140
Vfe (10°)	140
Vs	51
Vso	41
Vx (Sea Level)	65
Vy (Sea Level)	80
Vr	50-60
Vapp (Flaps Down)	60-70
Vglide (3100 lbs)	76
Max Cross Wind	15

2.- Fuel (U.S. GAL)

Type to Use	100/130
Total Capacity	92
Usable Capacity	87

2.1 Oil (U.S. Qts.)

Capacity	9
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3.- Weight (LBS)

Maximum TAKE-OFF	3100
Maximum Baggage	200

4.- Engine (Maximum Continuous Power)

Engine Operating Limitations	
Reason HP o BHP	230
Maximum RPM	2400
Head Cylinder Temperature (°F)	
Minimum	200
Maximum	500
Oil Temperature (°F)	
Minimum	100
Maximum	245
Oil Pressure (PSI)	
Minimum	20
Maximum	115

5.- Maneuvering Limits (Normal Cat.)

MANEUVER	KIAS
Chandelle	110
Lazy Eight	110
Steep Turns	110
Stall	Slow Deceleration

B. EMERGENCY PROCEDURES

1. ENGINE FAILURE DURING TAKEOFF ROLL

THROTTLE CONTROL **IDLE (PULL FULL OUT)**

BRAKES **APPLY**

2. ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

AIRSPEED **75 KIAS (FLAPS UP)**

70 KIAS (FLAPS 10° - FULL)

3. ENGINE FAILURE DURING FLIGHT (Restart Procedures)

AIRSPEED **75 KIAS**

FUEL SELECTOR Valve **BOTH**

FUEL PUMP Switch **ON**

MIXTURE CONTROL **RICH**

4. FIRE DURING START ON GROUND

MAGNETOS Switch **START**

If Engine Starts:

POWER **1800 RPM (for a few minutes)**

ENGINE **SHUT DOWN (inspect for damage)**

If engine fails to start:

THROTTLE CONTROL	FULL OPEN (PUSH FULL IN)
MIXTURE CONTROL	IDLE CUT OFF (PULL FULL OUT)
MAGNETOS Switch	START (continue cranking)
FUEL SELECTOR Valve	PUSH DOWN AND ROTATE TO OFF
FUEL PUMP Switch	OFF
MAGNETOS Switch	OFF
STBY BATT Switch	OFF
MASTER Switch (ALT and BAT)	OFF

5. ENGINE FIRE IN FLIGHT

MIXTURE CONTROL	IDLE CUT OFF (PULL FULL OUT)
FUEL SELECTOR VALVE	PUSH DOWN AND ROTATE TO OFF
FUEL PUMP Switch	OFF
MASTER Switch (ALT and BAT)	OFF

6. ELECTRICAL FIRE IN FLIGHT

STBY BATT Switch	OFF
MASTER Switch (ALT and BAT)	OFF
VENTS/CABIN AIR/HEAT	CLOSED
FIRE EXTINGUISHER	ACTIVATE

7. CABIN FIRE

STBY BATT Switch	OFF
MASTER Switch (ALT and BAT)	OFF
VENTS/CABIN AIR/HEAT	CLOSED
FIRE EXTINGUISHER	ACTIVATE

8. H. WING FIRE

LAND and TAXI Light Switches	OFF
NAV Light Switch	OFF
STROBE Light Switch	OFF
PITOT HEAT Switch	OFF