



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

**“AIRVAN GA8”**

**A.- Limitaciones de Operación**

**1.- Limitaciones KIAS**

Va	4.000 lbs	121
Vne		185
Vno Max. Estructural		143
Vfe		97
Vs		64
Vso		57
Vx (SL)		71
Vy (SL)		78
Vr		60
Vapp (Flaps DN)		64-68-71
Vplaneo		69-73-78
Max Cross Wind		15

**2.- Combustible**

Tipo a Utilizar	100/130
Capacidad Total Std	349
Capacidad Usable Std	332
Presión de	
Máxima	18
Mínima	55

**3.- Pesos (LBS)**

Máximo TAKE-OFF	4.000
Máximo Equipaje	680

**4.- Motor (Potencia Máxima Continua)**

Limitaciones Operativas de Motor	
Razón HP o BHP	300
Máximas RPM	2.700 2 Min
Temperatura Cabeza de Cilindros (°F)	
Máxima	500
Mínima	NA
Temperatura de Aceite (°F)	
Máxima	118
Mínima	60
Presión de Aceite (PSI)	
Máxima	115
Mínima	25

**5.- MANIOBRA**

**KIAS**

Spin (Flaps UP)	Prohibit
Escarpados	121
Ochos Flojos	121
Chandelas	121

## B.- Limitaciones de Operación con LANZAMIENTO de PARACAIDISTAS

### 1.- Limitaciones KIAS

Vne	120
Parachute Jump	70 - 100
Door Opening/Closed	80 or below

### 2.- Other

Door Position	FULL
Large Estatic Line Fron Tail Plane Stabilizer	50 mm
Max. Jumpers Door	5
Max. Jumpers outside door	3
Max. Junpers Capacity	Load
Air Deflector	Installed

### 3.- Motor (Potencia Max. Contínua)

Manifold	24
Max. RPM	2400

### 4.- Flight

Slip Max.	One Ball
Bank Max.	30°

## **B.- Emergencies Procedures**

### **1.- ENGINE FAILURE DURING TAKEOFF RUN**

Throttle	CLOSED
Brakes	APPLY
Wing Flaps	UP
Master Switches Bus 1 & 2	OFF
Ignition Switch	OFF
Fuel Shut off Valve	OFF

### **2.- ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF**

Airspeed	64 - 71 KIAS
Ignition Switch	OFF (as time permit)
Fuel Shut of Valve	OFF (as time permit)
Master Switches Bus 1 & 2	OFF
Wing Flaps	FULL RECOMENNDE
Braking	HEAVY AFTER TOUCHDOWN

### **3.- ENGINE FAILURE DURING FLIGHT (RESTART PROCEDURE)**

Airspeed	69 - 78 KIAS
Fuel Pump	ON CHECK FUEL PRESURE
Fuel Shut of Valve	CONFIRM ON
Fuel Quantity	CHECK
Mixture	RICH
Oil	CHECK TEMP AND PRESURE
Ignition	CICLE BOTH-LEFT-RIGHT-BOTH
Throttle	CHECK LINKAGE OPERATION
Starter	ACTIVATE IF PROP STOPED

#### 4.- ENGINE DURING START ON GROUND

Cranking CONTINUE

##### a.- If Engine Starts

Power 1700 RPM for a few minutes

Engine SHUTDOWN and inspect for damage

##### b.- If Engine Fail to Start

Cranking CONTINUE

Throttle FULL OPEN

Mixture IDLE CUT-OFF

Fuel Shut of Valve OFF

Ignition Switsch OFF

Master Switches Bus 1 & 2 OFF

Aircraft EVACUATE

#### 5.- ENGINE FIRE IN FLIGHT

Fuel Shut of Valve OFF

Fuel Pump OFF

Propeller COARSE

Mixture IDLE CUT-OFF

Master Switches Bus 1 & 2 OFF

Vents CLOSE HEATER AND AIR VENTS

Airspeed 140 KIAS

INCREASE UP TO VNE IF REQUIRED

Forced Landing EXECUTE