



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“VULCANAIR P68TC OBSERVER”

HABOCK AVIATION CHILE SpA

A.- Limitaciones de Operación

1.- Limitaciones (KIAS)

Va (2084 kg/4594 lb)	137
Va (1500 kg/3307 lb)	116
Vne	201
Vno	160
Vfe (Flaps 15°)	161
Vfe (Flaps 35°)	111
Vmca	67
Vs	69
Vso	62
Vx	80
Vy	95
Vsse	80
Vxse	80
Vyse	90
Vr	75
Vapp (Flap DN)	88
Max Cross Wind	20

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100 LL
Capacidad Total	184
Combustible Usable	177
Presión de Combustible (PSI)	
Máxima	65
Mínima	12

3.- Pesos (LBS)

Máximo TAKE-OFF	4.594
Máximo Ramp	4.630
Máximo Landing	4.365
Máximo Baggage	400

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	210
Máximas RPM	2.575
Temperatura Cabeza de Cilindros (°F)	
Máxima	475
Mínima	200
Temperatura de aceite (°F)	
Máxima	245
Mínima	140
Presión de aceite (PSI)	
Máxima	95
Mínima	25

5.- Límites de Maniobras (Cat. Normal)

Spin	Prohibit
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B.- Emergencies Procedures

1. ENGINE FAILURE BEFORE ROTATION SPEED

Throttle	CLOSED IMMEDIATELY
Braking	AS REQUIRED

If insufficient runway remains for safe stop:

Fuel Selector Valves	ENGINE SHUT-OFF
Gang Bar	OFF
Manoeuvre to avoid obstacles.	

2. ENGINE FAILURE AFTER ROTATION SPEED

Airspeed	CHECK 75 KIAS
Directional control	MAINTAIN
Mixture	FULL RICH
Propellers	FULL FORWARD
Throttles	FULL FORWARD
Airspeed	ESTABLISH 80 KIAS

When clear of obstacles:

Inoperative Engine	
- Throttle	CLOSE
- Propeller	FEATHER
- Mixture	IDLE CUT-OFF
Climb	STRAIGHT AHEAD
Flaps	UP
Trims	AS REQUIRED
Inoperative Engine	SECURE
As soon as practical	LAND

3. ENGINE FAILURE DURING FLIGHT

Directional control	MAINTAIN
Airspeed	90 KIAS min
Trims	ADJUST
Inoperative engine	IDENTIFY and VERIFY
Engine air start	ATTEMPT

If air start is unsuccessful:

Engine securing procedure	COMPLETE
As soon as practical	LAND

4. INFLIGHT ENGINE SECURING PROCEDURE

Throttle	CLOSE
Propeller	FEATHER
Mixture	IDLE CUT-OFF
Fuel selector valve	ENGINE SHUT-OFF
Alternator switch	OFF
Auxiliary fuel pump	OFF
Magneto switch	OFF
Electrical load	REDUCE
Crossfeed	AS REQUIRED

5. ENGINE FIRE DURING GROUND OPERATION

Fuel Selector	ENGINE SHUT-OFF
Mixture	IDLE CUT-OFF
Throttles	CLOSE
Brakes	AS REQUIRED
Radio	CALL FOR ASSISTANCE
Gang Bar	PUSH for OFF
As soon as practical	EVACUATE AIRCRAFT

6. INFLIGHT ENGINE FIRE

Affected Engine

IDENTIFY and SECURE

Cabin Hot Air

OFF

As soon as practical

LAND