



DEPARTAMENTO "SEGURIDAD OPERACIONAL"
SUBDEPARTAMENTO "LICENCIAS"

Aeronave Experimental
"HSR VAN'S RV-7"

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A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	KIAS
Va	123
Vne	200
Vno	129
Vfe 10°	105
Vs	52
Vso	44
Vx	70
Vy	90
Vr	55
Vapp (Flap DN)	75-85
Vplaneo	80
Max Cross Wind	15

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	41
Capacidad Usable	40
Flujometro (LPH)	
Desde	0
Hasta	60

3.- Pesos (LBS)

Máximo TAKE-OFF	1800
Máximo Equipaje	200

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	185
Máximas RPM	2700
RPM estáticas	
Máximas	2700
Mínimas	2670
Temperatura de aceite (°F)	
Máxima	245
Mínima	140
Presión de aceite (PSI)	
Máxima	115
Mínima	25

5.- Límites de maniobras (Cat. Norma)

MANIOBRA	MPH
Spin (Flaps UP)	SLOW DECELERATION
Escarpados	120
Ocho Flojo	120
Chandela	120

B.- Emergencies Procedures

1.-ENGINE FAILURE DURING TAKE OFF ROLL

ENGINE FAILURES

Throttle	IDLE
Mixture	IDLE CUT-OFF
Brakes	APPLY
Flaps	RETRACT

If insufficient runway remains:

Fuel Selector	OFF
Ignition Switches (Both)	OFF
MASTER	OFF

2.-ENGINE FAILURE IMMEDIATELY AFTER TAKE OFF

Airspeed	80 KIAS (Flaps UP) 60 KIAS (Flaps DOWN)
Mixture	IDLE CUT-OFF
Prop/Pitch	LOW
Fuel Selector	OFF
Ignition Switches (Both)	OFF
Flaps	AS REQUIRED
Master	OFF
Forced Landing	PERFORM AS PRACTICAL

3.-ENGINE FAILURE DURING FLIGHT

Airspeed	95 KIAS
Fuel Selector	CHANGES TANKS
Boost Pump	ON
Mixture	RICH
Ignition Switch	LEFT, RIGHT, BOTH ON
Starter	START (if propeller is stopped)

If no engine re-starts:

Transponder	7700
ELT	ON
SPOT	S.O.S
Radio	TRANSMIT MAY DAY
Forced Landing	PERFORM AS PRACTICAL

4.-FIRE DURING START ON GROUND

Mixture	IDLE CUT-OFF
Fuel Selector	OFF
Starter	OFF
Master	OFF
Fire Extinguish	OBTAIN
Aircraft	EVACUATE
Fire	EXTINGUISH

5.-ENGINE FIRE IN FLIGHT

Mixture	IDLE CUT-OFF
Fuel Selector	OFF
Boost Pump	OFF
Cabin Heat and Air	OFF
IBBS	OFF
MASTER	OFF
Forced Landing	PERFORM AS PRACTICAL