

## Vans RV-9A VH-LPL Checklist

<b>PRE-START</b>	
Pre-flight	COMPLETE
Documents	CHECK
Pax Brief	COMPLETE
Fuel Select	FULLEST
Switches	ALL OFF
Trim	SET
Master+Alt	ON
Flaps	RETRACT
<b>START</b>	
Mixture	RICH
Fuel Pump	ON
Fuel Pressure	UP & GREEN
Fuel Pump	OFF
Throttle	Closed
Surrounds	SAFE
Prop	CLEAR
<b>AFTER START</b>	
Oil Pressure	UP 20 SECS
Alternator	CHARGING
Avionics	ON & SET
Strobe	ON
<b>TAXYING</b>	
Radio Call	CORR FRQ
Brakes	CHECK
Heading Ind.	CHECK

<b>PRE TAKEOFF</b>	
Trim	CHECK
Mixture	RICH
Flaps	SET
Temp & Press	CHECK
Instruments	CHECK/SET
Switches	CHECK/SET
Controls	FULL & FREE
Canopy	LOCK
Harness	TIGHT
<b>RUN-UP</b>	
Brakes	ON
Power	1800 RPM
Magnetos	150/50
Carb Heat	20 SECS
Idle Speed	CHECK
<b>TAKEOFF</b>	
Fuel Pump	ON
Swing	ANTICIPATE
Nose Wheel	RAISE EARLY
Climb	110 Kts
<b>CRUISE (A-P-T)</b>	
Power	65% (45)
Trim	SET
Mixture	LEAN
Autopilot	ENGAGE
<b>DESCENT (P-A-T)</b>	
Power	REDUCE
Rate/Descent	500 FPM
Mixture	RICHEN

Albany AWIS: 122.125    CTAF: 127.85    FIS Melbourne Centre: 123.9

**ENROUTE**

Compass/Ind.	CHECK
Log	UPDATE
Engine	TEMP/PRESS
Altitude	VERIFY
Radio	CHECK FRQ
Orientation	CHECK
Fuel	CHECK/SELECT
Field	IDENTIFY

**CIRCUIT JOIN**

Autopilot	OFF
Speed	120 Kts
Brakes	OFF
Mixture	RICH
Fuel Pump	ON
Harness	TIGHT
Canopy	LOCK
Carb Heat	ON
Radio Call	POSITION

**FINAL**

Flaps	FULL
Speed	60 Kts
Rate/Descent	500 FPM
Cross Wind	MAX 15 Kts
Carb Heat	OFF

**LANDED**

Flaps	RETRACT
Trim	RESET
Fuel Pump	OFF
Radio Call	CLEAR

**SHUT DOWN**

Avionics	OFF
Lights/Strobe	OFF
Power	1200 RPM
Mags	CHECK
Power	1000 RPM
Mixture	CLOSE
Master & Alt	OFF
Key	OFF & OUT

**AIR SPEEDS**

Vne	183 Kts
Vno	158 Kts
Va	112 Kts
Vfe	78 Kts
Vx	65 Kts
Vy	85 Kts
Vso	46 Kts
Vs	53 Kts
Best glide	71 Kts

<b>EMERGENCIES</b>	<b>KEEP CALM</b>
AVIATE	First
NAVIGATE	Second
COMMUNICATE	Third
<b>ENGINE FIRE:-</b>	<b>ON GROUND</b>
Crank	CONTINUE
Power	1700 RPM
Evacuate	INSPECT
<b>ENGINE FIRE:-</b>	<b>IN FLIGHT</b>
Fuel	OFF
Master	OFF
Cabin Air	OFF
<b>ENGINE FAIL:-</b>	<b>ON TAKEOFF</b>
Speed	70 Kts
Mixture	CUT-OFF
Fuel	OFF
Ignition	OFF
Flaps	AS REQD
Master	OFF
<b>ENGINE FAIL:-</b>	<b>IN FLIGHT</b>
Speed	70 Kts
Carb Heat	ON
Fuel Pump	ON
Mixture	RICH
Fuel Select	SWAP
Ignition	ON
Restart	CRANK
Transponder	7700

<b>LANDING:-</b>	<b>EMERGENCY</b>
Speed	70 Kts
Field	IDENTIFY
Harness	TIGHT
Fuel Pump	OFF
MAYDAY	121.5
ELT	ACTIVATE
Transponder	7700
Fuel Select	OFF
Flaps	AS REQD
Master	OFF
Touch Down	60 Kts
<b>DITCHING:-</b>	<b>WATER</b>
Speed	70 Kts
Location	NEAR HELP
Strong Wind	INTO WIND
Strong Swell	PARALLEL
Mayday	121.5
ELT	ACTIVATE
Transponder	7700
Harness	TIGHT
Fuel Pump	OFF
Fuel Select	OFF
Flaps	FULL
Master	OFF
Touch Down	50 Kts
Canopy	EVACUATE
Life Vest	INFLATE

## FUEL AND POWER CHART      LYCOMING MODEL O-320-B SERIES

Press Alt. 1000 Feet	Std. Alt TEMP Deg.C	88 HP 55% Rated			104 HP 65% Rated			120 HP 75% Rated				
		Approx Fuel 28.4 Lit. per Hour			Approx Fuel 32.2 Lit. per Hour			Approx 37.9 Lit. per Hr.				
		RPM & MAN. PRESS			RPM & MAN. PRESS			RPM & MAN. PRESS				
		2100	2200	2300	2400	2100	2200	2300	2400	2200	2300	2400
S.L.	15	21.9	21.0	20.2	19.5	24.2	23.3	22.5	21.7	24.9	24.0	
1	13	21.6	20.8	19.9	19.2	23.9	23.0	22.2	21.4	24.6	23.8	
2	11	21.3	20.4	19.6	19.0	23.6	22.7	21.9	21.2	25.1	24.3	23.5
3	9	20.9	20.1	19.3	18.7	23.3	22.4	21.7	21.0	24.8	24.0	23.3
4	7	20.6	19.8	19.1	18.5	23.0	22.1	21.4	20.7	24.5	23.7	23.0
5	5	20.3	19.6	18.8	18.3	22.7	21.8	21.1	20.5	F.T.	23.4	22.8
6	3	20.0	19.3	18.6	18.0	22.4	21.5	20.9	20.3	F.T.	F.T.	22.6
7	1	19.8	19.1	18.3	17.8	22.1	21.2	20.6	20.0			F.T.
8	-1	19.5	18.8	18.1	17.6	F.T.	21.0	20.4	19.8			
9	-3	19.2	18.6	17.8	17.4		F.T.	20.2	19.6			
10	-5	19.0	18.3	17.6	17.2			F.T.	19.4			
11	-7	18.7	18.1	17.4	17.0				F.T.			
12	-9	18.4	17.9	17.2	16.8							
13	-11	F.T.	17.6	17.0	16.6							
14	-13		F.T.	16.8	16.4							
15	-15			F.T.	16.2							

F.T. = Full Throttle

Fuel consumption is with carburetor leaned to best power with standard altitude temperature and pressure at carburettor inlet  
To maintain constant power, correct manifold pressure add/subtract approximately 1% for each 6 Deg C above/below standard