

CESSNA P 337 H Pressurized Skymaster

N777SN

Quick reference training guide

This training manual cannot be used as a substitute for the official pilots operating handbook.

1. Take off (normal)

Normal flaps for short runway 1/3

Lead with rear engine

37" 2800 RPM (mind over boost) (33"for training)

- Vr: 75 KIAS
- Flaps up 80 KIAS
- Gear up 89 KIAS
- Cruise Climb 115 KIAS 31" 2450 RPM
- Fuel flow 90/90 lbs green/green

2. Take off (short runway)

- Flaps 1/3 Brakes hold
- Power 37" 2800 RPM
- Fuel flow 90/90 lbs/hr green/green
- Brakes release
- Attitude Low tail
- Vr 70 KIAS
- VCs 80 KIAS (obstacles)
- Flaps up (80 KIAS)
- Vy Gear up (89 KIAS)
- Cruise Climb 115 KIAS 31" 33" 2450RPM

3. Max. Performance Climb

- Attitude B A + 12 degrees
- Speed 95 KIAS
- Power 2600 RPM/37"
- Fuel flow 90/90lbs/hr green/green
- Cowl flaps open

4. Normal Cruise Climb

- Attitude B A +7 degrees
- Speed 120 KIAS
- Power 31" 2450 RPM (SL. up to 15000)
- Fuel flow 90 /90 lbs/hr green/green
- Cowl flaps as required

5. Cruise (65%)

- Power 2400 RPM 29" up to 14.000 ft
- Mixture 70/70 lbs peak EGT -/-50 F
- Cross feed at level flight - Stop AT 50 LBS - Full or empty tanks (either)

NOTE

15.000 ft - 18.000 ft

2500/29"

19.000 ft - 20.000 ft

2600/27"

Add 1" for ISA + 10

6. Descent

- Cabin pressure - > set + 500 feet
- Power 25"/2400 RPM (min 20")
- Mixture Adjust
- Anti Ice as required

7. Normal Visual Circuit

DOWNWIND

- Speed 140 KIAS
- Power 25" / 2400 RPM
- Approach checklist completed

ABEAM-Landing Threshold

- Timing 3 sec/100 ft
- Flaps 1/3
- Gear down
- Speed 110 KIAS
- Power 25" / 2400 RPM

BASE LEG

- Power 20" / 2400 RPM
- Flaps 2/3
- Speed 100 KIAS
- Before landing checklist completed

FINAL

- Power 17"/2400 RPM
- Speed 90 KIAS
- Flaps Full

SHORT FINAL (VTgT Headwind component 10 KTS or less)

- Speed 85 KIAS
- Power as required
- Propeller levers max. RPM (below 15")
- Mixture Fully rich

8. Short Field Landing

- Fly normal pattern
- Final Steeper angle
- Flaps Full
- Power as required / max RPM (fully fine)
- Speed 78 KIAS

9. Flapless

DOWNWIND

- Speed 140 KIAS
- Power 25" / 2400 RPM

ABEAM LANDING THRESHOLD

- Timing 3 sec./100ft
- Gear Down
- Speed 135 KIAS
- Power 25" / 2400 RPM

BASE LEG

- Power 17"/2400 RPM
- Speed 105 KIAS
- Before landing checklist completed

FINAL

- Speed 90 KIAS
- Power 2400 RPM /as required
- Short Final MAX. RPM (below 15")

10. GO AROUND

- Power 37" / 2800 RPM (33" for training)
- Flaps Retract to 1/3
- Speed 80 KIAS
- Above obstacles Flaps up
- Speed 89 KIAS Gear up
- Cowl flaps Open

Note: Do not retract gear if another approach is to be conducted.

11. Go - no go decision - one engine out

NO GO

- Airspeed below 80 KIAS
- Below obstacles (no possibility for circumnavigation)
- Runway available Land

GO

- Airspeed > 80 KIAS
- No runway Available
- Above obstacles above obstacles or possible for circum navigation

ENGINE FAILURE AFTER TAKE-OFF ACTIONS

- | | | |
|---|----------------------------|--------------------|
| • | Throttles, Props, Mixtures | Full forward |
| • | Inoperative engine | Identify |
| • | Inoperative engine | Throttle closed |
| • | Inoperative engine | Feather |
| • | Inoperative engine | Cowl flaps close |
| • | Airspeed 80 KIAS | Flaps up |
| • | Above obstacles | Accelerate 89 KIAS |
| • | 89 KIAS (bleu line) | Retract gear |
| • | ATC | Call |

Inoperative Engine securing Checklist

- | | | |
|---|-----------------|-----------------|
| • | Check | Box items |
| • | Mixture | Idle cut off |
| • | Alternator | Off |
| • | Ignition Switch | Off |
| • | Fuel selector | Off (red) |
| • | Synchrophaser | Off |
| • | Electrical Load | Reduce |
| • | Inop. Engine | Attempt restart |

ZERO TRUST

12 MAP

12. Engine failure above 1000ft AGL and in cruise

- | | | |
|---|-------------------------------|-----------------------|
| • | Throttles, Props, Mixtures | full forward (slowly) |
| • | Inoperative engine | identify |
| • | Mixture inoperative engine | RICH |
| • | Aux. Fuel Pump (inop. engine) | On HIGH |
| • | Fuel selector (inop. engine) | cross feed |
| • | Check immediately Restart | On fuel flow |

IF NOT

- | | | |
|---|--------------------|-------------------|
| • | Aux. Fuel Pump | OFF |
| • | Inoperative Engine | Feather /secure |
| • | Live Engine | Power as required |

13. Engine restart in flight.

(Feathered and equipped with unfeather accumulators)

- Fuel selector Green on proper tank
- Throttle Just out of gear warning
- Propeller Cruise rpm position
- UN feathering Check
- Aux. fuel pump High
- Ignition Both or start if no unfeathering
- Mixture Adjust for fuel flow 10-35 lbs
- Aux. fuel pump off
- Oil pressure Checked
- Alternator On and checked
- Power (200 degrees F.) Reset

14. One engine inoperative Visual approach and landing

DOWNWIND

- Speed 110 KIAS
- Power 33 / max. RPM
- Fuel selector operating engine Green
- Approach checklist completed

BASE LEG

- On profile gear down
- Speed 110 KIAS
- Power 30" / max. RPM
- Before landing checklist completed

FINAL

- Flaps 1/3
- Speed 110 KIAS
- Power Max. RPM

LANDING ASSURED

- Flaps as required
- Speed 90 KIAS
- Threshold 85 KIAS

15. Two Engine Instrument Approach

OUTBOUND

- Flaps 1/3
- Gear Down
- Speed 120 KIAS
- Power 25" 2450 RPM

ON GLIDE (within 10 degrees)

- Flaps 2/3
- Speed 110 KIAS
- Power 20" / 2450 RPM

VISUAL

- Flaps As required
- Speed 90 KIAS
- Speed on short final 85 KIAS

16. One engine inoperative instrument approach

OUTBOUND

- Speed 110 KIAS
- Power 33" / Max. RPM
- Fuel selector Operating Engine Green

ON GLIDE

- Gear Down
- Flaps 1/3
- Speed 110 KIAS
- Power 30" MAX. RPM

LANDING ASSURED

- Flaps As required
- Speed 90 KIAS
- Threshold 85 KIAS

Note

Non-precision Approach: No flaps until visual and on glide!

17. Air work

STEEP TURNS 45 degrees

1. PREPARATION

- Speed 140 KIAS (2400/ 25")
- Set heading bug

2. EXECUTION

- The exercise consists of two 360 deg. turns to the one direction and immediately followed by two 360 deg. turns opposite.
- Anticipate heading on roll out +/- 10 deg.
- Add +/- 2" after 30 deg. bank and reduce again on roll out.

STALLS (pressurization off)

1. PREPARATION

- Speed 140 KIAS (2400/ 25")
- Altitude +2500 ft AGL
- Area not over populated zones
- Clearing turns for look out

2. STALL CLEAN

- Level flight, set heading bug
- Power smoothly idle
- Keep level flight
- Trim speed 90 KIAS

Recovery: Power 33"
Attitude 0 deg.
At 90 KIAS rotate +10 deg.
Reduce power 31"

3. STALL GEAR DOWN FLAPS 2/3 30 deg. BANK

- Level flight set heading bug
- Flaps 1/3 gear down 110 KIAS
- Power 2400/20" flaps 2/3
- Bank 30 deg
- Trim speed 80 KIAS

Recovery: Power 33"
Attitude -5 deg. BA
At 80 KIAS wings level
Flaps 1/3
Rotate + 10 deg.
Positive climb flaps up
89 KIAS gear up
Reduce power 31"

4. STALL IN LANDING CONFIGURATION

- Level flight, set heading bug
- Flaps 1/3 gear down 110 KIAS
- Power 20"/2400
- Flaps 2/3 100 KIAS
- Power 17" /2400
- Flaps full
- Trim speed 80 KIAS

Recovery: Power 33"
Attitude -5 deg. BA
Flaps 1/3
At 80 rotate + 10 deg.
Positive climb flaps up
89 KIAS gear up
Reduce power 31"

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