

V-Speeds and Other Details	Cessna A152
Cessna A152	Fuel: 26-Galls total; 24.5 usable
A152	Oil: 6-Qrts Max, 5-Qrts Min
	Max Weight: 1670 lbs

V-Speed	IAS (Kts)
V _A @ 1670lbs	108
V _A @ 1500lbs	102
V _A @ 1350lbs	97
V _{FE}	85
V _{NE}	172
V _{Lo} Gear up	NA
V _{NO}	125
V _R	50
V _S	40
V _{S0}	35
V _X Flaps Up	55
V _X Flap s+10	54
V _Y Flaps Up	67

Normal Operations:	
What:	IAS (Kts)
Max Crosswind Comp	12
Normal climb out	65-75
Short Field TO	
Flaps 10 Retract @ 100'	54
Climb - Flaps up:	
Best V _X @MSL	55
Best V _X @10,000'	55
Best V _Y @MSL	67
Best V _Y @10,000'	61
Approach to land:	
Normal - Flaps 0	65-70
Normal - Flaps 10	65-70
Normal - Flaps 20	65-70
Normal - Flaps 30	55-65
Short Field - Flaps 30	54

Emergency Speeds	IAS (Kts)
Pwr-Off Ldg - no flap	65
Pwr-Off Ldg - 30 flap	60
Max. Glide	60
Glide Ratio:	9.7
AGL (feet)	Miles
2000	3.7
4000	7.3
5000	9.2
6000	11.0
8000	14.7
10000	18.4

ASI Details:		Kts
ARC		
White Arc:		35 - 85
	V _{S0}	35
	V _{FE}	85
Green Arc:		40 - 125
	V _{S1}	40
	V _{NO}	125
Yellow Arc:		125-172
	V _{NO}	125
	V _{NE}	172

Pattern Speeds:

Stall Speed (Kts)	Flaps = V _{S0} 35	Clean = V _{S1} 40	Actual Approach
Downwind	80	80	80
Mid-Field Downwind (*1.5)	53	60	70
Turning Base (*1.4)	49	56	65
Final (*1.3) = (V _{REF})	46	52	55-60
Over Numbers (*1.2)	42	48	55-60

Landing Check -1:
* Fuel Gauges - CHECK
* Fuel - ON
* Throttle - AS NEEDED
* Light - LANDING ON
* Magnetos - BOTH
* Masters - ON
* Mixture - RICH
* Carb Heat - HOT
* Engine Gauges - GREEN
* Flaps - AS REQUIRED
* CLEARANCE/CTAF

Pattern:
Take-Off:
* Rotate @ 50
* Climb out @ 67
* Level @ 80Kts - 2100 RPM
* Downwind TPA @ 80
* Downwind Checklist

Abeam Numbers:
* Power 1500 RPM - 70Kts
* Flaps 10
* Base @ 65-70
* Flaps 20
* Final @ 60-65
* Flaps 30 (if needed)
* BF-GUMPS
* X-Wind Control + Slip
* Touch down @ 42

Landing Check - 2:
BF-GUMPS
B: Boost Pump ON
F: Flaps & Feet
G: Gas - ON
U: Undercarriage - down
M: Mags, Masters, Mixture
P: Prop full high
S: Secure - belts, doors, etc

Go Around:
* Full Power - Heat COLD
* Pitch down for 55 Kts
* Flaps back ONE notch
* Pitch for 67 Kts
* Flaps retract in increments