

SunQuest Aviation Inc.

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North County General Aviation Airport · West Palm Beach · Florida

Cessna 152

SPEEDS

	Utility Category
Max Ramp Weight.....	1675 lbs
Maximum Take-Off Weight.....	1670 lbs
Maneuvering Load Factor.....	+4.4g/-1.76g
Man. Load Factor - flaps extended.....	+3.5g
V _A (1670 lbs).....	104 KIAS
V _{NE}	149 KIAS
V _{NO}	111 KIAS
V _{FE}	85 KIAS
V _Y (flaps 0/).....	67 KIAS
V _X (flaps 0/).....	55 KIAS
V _R (flaps 0/).....	55 KIAS
V _{S1}	40 KIAS
V _{S0}	35 KIAS
V _{GLIDE}	60 KIAS
Landing without power (FLAPS UP).....	65 KIAS
Flaps down.....	60 KIAS
Recommended Climb.....	70~80 KIAS
Minimum balked landing speed.....	55 KIAS
Final Approach speed (Flaps up).....	60~70 KIAS
Final Approach speed (Flaps 30).....	55~65 KIAS
Final Approach speed (Short Field - Flaps 30).....	54 KIAS
Max demonstrated X-wind component.....	12 KTS

Engine (Lycoming).....	O-235 L2C
Rated at (2550 RPM).....	110 H.P.
Oil Capacity (max).....	6 qts
Oil Capacity (min).....	4 qts
Total Fuel Capacity (2 tanks).....	26 gal
Total Usable Fuel.....	24.5 gal
Useful Load.....	484.5 lbs
Center of Gravity Range (1675 lbs).....	32.65" ~ 36.50"
(1350 lbs).....	31.00"~36.50"

	(lbs) WEIGHT	(inches) ARM	(in·lbs) MOMENT
WEIGHT & BALANCE			
Basic Empty Weight (N6641H)	1185.5	29.88	35,428.0
Pilot & Passenger		39.0	
Baggage Area 1 (Max Total 120 lbs)		64.0	
Baggage Area 2		84.0	
Fuel (Max 24.5 gal - 147 lbs)		40.0	

Maneuvers	C-152
Utility Category	Chandelles, Lazy 8s, Steep Turns, Spins and Stalls except Whip Stalls.