

# SunQuest Aviation Inc.

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North County General Aviation Airport · West Palm Beach · Florida

## Cessna SuperHawk STC SA703GL

<b>SPEEDS</b>	<b>Normal Category</b>	<b>Utility Category</b>
Max Certified Gross Weight .....	2550 lbs	Not Approved
Maneuvering Load Factor .....	+3.8g/-1.52g	
Man. L. F. - flaps extended .....	+3.0g	
V <sub>A</sub> (2300 lbs) .....	97 KIAS	
V <sub>NE</sub> .....	160 KIAS	
V <sub>NO</sub> .....	128 KIAS	
V <sub>FE</sub> .....	85 KIAS	
V <sub>Y</sub> (flaps 0°) .....	73 KIAS	
V <sub>X</sub> (flaps 0°) .....	59 KIAS	
V <sub>R</sub> (flaps 0°) .....	55 KIAS	
V <sub>S1</sub> .....	47 KIAS	
V <sub>S0</sub> .....	41 KIAS	
V <sub>GLIDE</sub> (full flaps) .....	60 KIAS	
V <sub>GLIDE</sub> (no flaps) see Fig 3.1 .....	65 KIAS	
Recommended Climb .....	75~85 KIAS	
Minimum balked landing speed .....	55 KIAS	
Final Approach speed (Flaps up) .....	60~70 KIAS	
Final Approach speed (Flaps 30°) .....	65 KIAS	
Final Approach speed (Short Field - Flaps 30°) .....	60 KIAS	
Max demonstrated X-wind component .....	15 KTS	

Engine (Lycoming) .....	O-360 A4M
Rated at (2700 RPM) .....	180 H.P.
Propeller (N733VU) .....	Sensenich 76EM8-0-60
Oil Capacity (max) .....	8 qts
Oil Capacity (min) .....	6 qts
Total Fuel Capacity (2 tanks) .....	54 gal
Total Usable Fuel .....	50 gal
Center of Gravity Range (2550 lbs) .....	.41.0" ~ 47.3"
(1950 lbs) .....	.35.0"~47.3"

<b>WEIGHT &amp; BALANCE</b>	<b>(lbs) WEIGHT</b>	<b>(inches) ARM</b>	<b>(in-lbs) MOMENT</b>
Basic Empty Weight (N75756)	1532.75	39.26	60232.92
Pilot & Passenger		37.00	
Rear Passengers		73.00	
Baggage (Max 120 lbs)		95.00	
Baggage (Area 2 - Max 50 lbs)*		123.00	
Fuel (Max 50 gal - 300 lbs)		48.00	
*Maximum combined baggage areas (120 lbs)			

Maneuvers	C-172 SuperHawk
Normal Category	Chandelles, Lazy 8s, Steep Turns and Stalls except whip stalls.