



CONNECTION
ACADEMY

SR20 Takeoff Data Card

Pilot Fox Instructor ATHLAS Date 2/12/08

N# <u>490 DA</u>	DEPARTURE INFORMATION	ARRIVAL INFORMATION
Wind	<u>090 @ 08</u>	
Visibility	<u>105 m</u>	
Ceiling	<u>CLR</u>	
Temperature/Dew Point	<u>20/04</u>	
Altimeter	<u>30.28</u>	
Active Runway(s)	<u>9'S</u>	
Available Runway Length Takeoff / Landing	<u>9600</u>	
NOTAMS		
Pressure Altitude	<u>-305</u>	
Density Altitude	<u>295</u>	
Headwind Component	<u>8</u>	
Crosswind Component	<u>0</u>	

Aircraft Performance Data

Takeoff Distance Normal Takeoff 1497

Takeoff Distance Over 50 Foot Obstacle 2132

Cruise Power Settings % Power 65% KTAS 131 GPH 10.6

Landing Distance Normal Landing 1032

Landing Distance Over 50 Foot Obstacle 2063

V ₉₀ <u>56</u>	V _Y <u>46</u>	V _{NE} <u>200</u>
V ₅₀₋₉₀ <u>60</u>	V _{FE 50} <u>120</u>	V _{PO} <u>135</u>
V _{S1} <u>65</u>	V _{FE 100} <u>100</u>	V _G <u>92</u>
V _R <u>65</u>	V _O <u>125</u>	Approach Speed <u>100</u>
V _X <u>81</u>	V _{NO} <u>165</u>	Max X-Wind <u>21</u>

SR20 Takeoff Data Card

Weight and Balance

	Weight	Arm	Moment
Basic Empty Weight	2167.0	141.69	307,050
Pilot and Passenger	370.0	143.5	53,085
Rear Passengers	30	180.0	5,400
Baggage	0	208.0	0
Zero Fuel Weight	2567.0	142.4	365,545
Fuel 60.5 ⁵⁶	336.0	153.8	51,676.8
Ramp Weight	2903.0	143.72	417,221.8
Start/Taxi/Run-up	- 6.0	153.8	922.8
Takeoff Weight	2897.0	143.70	416,299
Load Adjustments			
Passenger			
Baggage			
Fuel			
Adjusted Takeoff Weight	2897.0	143.70	416,299
^{2511 x 60} Fuel Burn	- 132.0	153.8	20,301.6
Landing Weight	2765.0	143.21	395,997.4

Minimum Fuel Load _____ Gallons