

Cirrus SR20 N774PT

SkyDemon setting

18.05.2021

14:15

< Aircraft Library SR20 GVML

Name SR20 GVML

AIRFRAME TYPE

GENERAL

Registration N774PT

Default Level 4,000 ft

RUNNING COSTS

Hourly Cost \$255.00

includes fuel ☒

FUEL

Fuel Type AvGas 100LL >

Alternate Fuel Type None >

Fuel Measurement By Volume (US Gallons) >

Fuel Tanks >

Taxi/Takeoff 1.0 gal

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< SR20 GVML Fuel Tanks +

Fuel 56.0 gal >

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< Fuel Tanks Edit Fuel Tank

NAME

Fuel

Lever Arm (lon) 153.80

Default Value (Tabs) 26 gal

Capacity 56 gal

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< Aircraft Library

SR20 GVML

Landing

1.3 gal

Holding Time

30 min

-

+

Contingency

5 %

-

+

PERFORMANCE

Climb

>

Cruise

>

Descent

>

GLIDING

Best Glide

Indicated Airspeed

91 kt

Glide Ratio

11:1

-

+

FLIGHTPLANS

Aircraft Type

SR20

Colour/Markings

WHITE WITH BLUE STRIPS

Equipment

SY, S >

Hex Code

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Climb

Use the settings below to define the airspeed you achieve during a climb, and the climb rates and fuel burns achieved.

Indicated Airspeed

96 kt

Climb Rate at Sea Level

880 ft/min

-

+

Fuel Burn at Sea Level

17.6 gal/hr

Service Ceiling

14,000 ft

-

+

Climb Rate at Service Ceiling

150 ft/min

-

+

Fuel Burn at Service Ceiling

10.2 gal/hr

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Cruise

Use the settings below to create profiles representing the different power settings you use in the cruise. These figures should be in your POH.

75% Best Power

3 level, speed and fuel burn entries

>

55% Best Economy

6 level, speed and fuel burn entries

>

65% Best Power

5 level, speed and fuel burn entries

>

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< SR20 GVML

Descent

Use the settings below to define the airspeed you achieve during a descent, and the descent rate and fuel burn.

Indicated Airspeed

165 kt

Descent Rate

-700 ft/min

-

+

Fuel Burn

8.0 gal/hr

Name	75% Best Power
Airspeed Type Indicated (IAS) >	
ALTITUDE ENTRIES	
2,000 ft	Airspeed: 147 kt, Fuel Burn: 11.6 gal/hr >
5,000 ft	Airspeed: 151 kt, Fuel Burn: 11.6 gal/hr >
8,000 ft	Airspeed: 155 kt, Fuel Burn: 11.6 gal/hr >

Name	65% Best Power
Airspeed Type Indicated (IAS) >	
ALTITUDE ENTRIES	
2,000 ft	Airspeed: 139 kt, Fuel Burn: 10.5 gal/hr >
5,000 ft	Airspeed: 142 kt, Fuel Burn: 10.5 gal/hr >
8,000 ft	Airspeed: 145 kt, Fuel Burn: 10.5 gal/hr >
10,000 ft	Airspeed: 147 kt, Fuel Burn: 10.5 gal/hr >
12,000 ft	Airspeed: 150 kt, Fuel Burn: 10.5 gal/hr >

Name	55% Best Economy
Airspeed Type Indicated (IAS) >	
ALTITUDE ENTRIES	
2,000 ft	Airspeed: 130 kt, Fuel Burn: 8.4 gal/hr >
5,000 ft	Airspeed: 133 kt, Fuel Burn: 8.4 gal/hr >
8,000 ft	Airspeed: 136 kt, Fuel Burn: 8.4 gal/hr >
10,000 ft	Airspeed: 139 kt, Fuel Burn: 8.4 gal/hr >
12,000 ft	Airspeed: 141 kt, Fuel Burn: 8.4 gal/hr >
14,000 ft	Airspeed: 144 kt, Fuel Burn: 8.4 gal/hr >

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Aircraft
SR20 GVML

Equipment
SY, S >

Hex Code

WEIGHT AND BALANCE

Weight and Balance Model
Standard >

Empty Weight
958.2 kg

Centre of Gravity
142.19

Loading Points
>

ACCEPTABLE LOADING ENVELOPE

Weight (kg) vs CoG (distance from datum) graph showing acceptable loading envelope. The graph plots weight against the center of gravity distance from the datum. The envelope is defined by points 1 through 7. The data points are as follows:

Point	CoG (distance from datum)	Weight (kg)
1	138.795708	1000
2	144.695708	1000
3	147.4116573	1100
4	148.1131542	1200
5	144.1136078	1300
6	144.1136078	1400
7	141.122198	1200

138.795708 144.695708 147.4116573
148.1131542 148.136078 144.1136078
141.122198

DIRECT TO

Minimum Runway Length
350 m

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Back
Aircraft Equipment Editor

ILS
☒

VOR
☒

VHF RTF
☒

VHF with with 8.33 kHz Spacing
☒

Mode S (ident, alt)
☒

14:17

SR20 GVML
Loading Points
+

Pilot
>

Front Passenger
>

Rear Passenger 1
>

Rear Passenger 2
>

Baggage
>

Pilot

Lever Arm (lon)
143.50

Default Weight
95 kg

Front Passenger

Lever Arm (lon)
143.50

Default Weight
0 kg

Rear Passenger 1

Lever Arm (lon)
180.00

Default Weight
0 kg

Rear Passenger 2

Lever Arm (lon)
180.00

Default Weight
0 kg

Baggage

Lever Arm (lon)
208.00

Default Weight
5 kg