Cirrus SR22 TN N4927 SkyDemon setting

SR22TN GVML

Name	SR22TN GVML

AIRFRAME TYPE

GENERAL

Registration	N4927
Default Level	4,000 ft

RUNNING COSTS

Hourly Cost	$381.00
includes fuel	⬤

FUEL

Fuel Type	AvGas 100LL >
Alternate Fuel Type	None >
Fuel Measurement	By Volume (US Gallons) >
Fuel Tanks	>
Taxi/Takeoff	1.6 gal

SR22TN GVML — Fuel Tanks

Fuel	92.0 gal >

Edit Fuel Tank

NAME

Fuel

Lever Arm (lon)	154.90
Default Value (Tabs)	60 gal
Capacity	92 gal

SR22TN GVML (Main screen, 10:11)

< Back **SR22TN GVML**

Landing	1.3 gal
Holding Time	30 min [−] [+]
Contingency	5 % [−] [+]

PERFORMANCE

Climb	>
Cruise	>
Descent	>

GLIDING

Best Glide Indicated Airspeed	88 kt
Glide Ratio	8:1 [−] [+]

FLIGHTPLANS

Aircraft Type	S22T
Colour/Markings	WHITE WITH GRAY STRIPS
Equipment	SGY, S >
Hex Code	

< SR22TN GVML **Climb**

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

Indicated Airspeed	120 kt
Climb Rate at Sea Level	1,100 ft/min [−] [+]
Fuel Burn at Sea Level	36.0 gal/hr
Service Ceiling	25,000 ft [−] [+]
Climb Rate at Service Ceiling	557 ft/min [−] [+]
Fuel Burn at Service Ceiling	36.0 gal/hr

< SR22TN GVML **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.

85% Maximum Cruise Power — 4 level, speed and fuel burn entries	>
65% Economy Cruise Power — 4 level, speed and fuel burn entries	>
75% Normal Cruise — 4 level, speed and fuel burn entries	>

< SR22TN GVML **Descent**

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

Indicated Airspeed	177 kt
Descent Rate	−700 ft/min [−] [+]
Fuel Burn	12.3 gal/hr

< Cruise **Edit Power Setting**

Give your power setting a name such as "2300 RPM" or "60%". Then create some entries for altitudes you fly at, and for each entry tell us what speed and fuel burn is achieved.

Name	85% Maximum Cruise Power
Airspeed Type	Indicated (IAS) >

ALTITUDE ENTRIES

2,000 ft — Airspeed: 168 kt, Fuel Burn: 17.6 gal/hr	>
5,000 ft — Airspeed: 173 kt, Fuel Burn: 17.6 gal/hr	>
10,000 ft — Airspeed: 182 kt, Fuel Burn: 17.6 gal/hr	>
15,000 ft — Airspeed: 191 kt, Fuel Burn: 17.6 gal/hr	>

Name	65% Economy Cruise Power
Airspeed Type	Indicated (IAS) >

ALTITUDE ENTRIES

2,000 ft — Airspeed: 153 kt, Fuel Burn: 14.0 gal/hr	>
5,000 ft — Airspeed: 158 kt, Fuel Burn: 14.0 gal/hr	>
10,000 ft — Airspeed: 165 kt, Fuel Burn: 14.0 gal/hr	>
15,000 ft — Airspeed: 180 kt, Fuel Burn: 14.0 gal/hr	>

Name	75% Normal Cruise
Airspeed Type	Indicated (IAS) >

ALTITUDE ENTRIES

2,000 ft — Airspeed: 161 kt, Fuel Burn: 16.0 gal/hr	>
5,000 ft — Airspeed: 166 kt, Fuel Burn: 16.0 gal/hr	>
10,000 ft — Airspeed: 174 kt, Fuel Burn: 16.0 gal/hr	>
15,000 ft — Airspeed: 183 kt, Fuel Burn: 16.0 gal/hr	>

Screen 1 — SR22TN GVML

10:11

Equipment   SGY, S ›

Hex Code

WEIGHT AND BALANCE

Weight and Balance Model   Standard ›

Empty Weight   1085.5 kg

Centre of Gravity   138.40

Loading Points   ›

ACCEPTABLE LOADING ENVELOPE

137.8,953   139.1,1225   142.3,1542   148.1,1542
148.1,953

Graph: Weight (kg) vs CoG (distance from datum)
1) 137.8,953
2) 139.1,1225
3) 142.3,1542

DIRECT TO

Minimum Runway Length   350 m   [-] [+]

Screen 2 — Aircraft Equipment Editor

10:15

GNSS   ⬤

VOR   ⬤

VHF RTF   ⬤

VHF with with 8.33 kHz Spacing   ⬤

Mode S (ident, alt)   ⬤

Screen 3 — Loading Points

10:13

Pilot   ›

Front Passenger   ›

Rear Passenger 1   ›

Rear Passenger 2   ›

Baggage   ›

Screen 4 — Loading Point details

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