

## Delivered Weight Data & Equipment List

**Model SR22T**

<b>Serial Number:</b>	<b>2468</b>
<b>Registration Number:</b>	<b>N88SV</b>
<b>Basic Empty Weight:</b>	<b>2494 lb</b>
<b>Total Moment/1000:</b>	<b>349.054</b>
<b>Center of Gravity:</b>	<b>F.S.139.9</b>

The following pages list required, standard, and optional equipment, as well as gives the weight and arm of each listed item. This listing represents the airplane and all options available at the time of delivery and does not include any equipment installed after delivery.

**Note:**

Not all optional equipment in this listing was installed in the above serial number airplane. Equipment listed as optional but not installed in the airplane is indicated by a hyphen (-) in the quantity column for that piece of equipment.

### **ATA - Item:**

Each item in the listing is provided a unique number. The first two digits of the number represent the ATA or GAMA Chapter reference number. These numbers are used industry wide and in the Cirrus Design SR22T Maintenance Documentation to locate items in the Maintenance Manuals and or Parts Catalogs. The two digits following the hyphen are sequence numbers for each item in that chapter.

### **Description:**

This is the component, assembly, or installation name.

### **Sym:**

Items in this listing are coded by a symbol indicating the status of the item. These codes are:

**C** Required item for FAA Certification.

**S** Standard equipment. Most standard equipment is applicable to all airplanes. Some equipment may be replaced by optional equipment.

**O** Optional equipment. Optional equipment may be installed in addition to or to replace standard equipment.

### **Qty:**

The quantity of the listed item in the airplane. A hyphen (-) in this column indicates that the equipment was not installed

### **Part Number**

This is the Cirrus Design Part Number for the component, assembly, or installation

### **Unit Wt**

The weight, in pounds, of one each of the listed item.

### **Arm**

The arm, in inches, of the listed item.



Weight Balance  
Equipment List

Cirrus Design  
SR22T

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
		O	-	20970-xxx	7.3	133.0
21	<b>Air Conditioning</b>	O	1	21119-xxx	15.0	93.1
21-01	Blower Fan Only	O	1	21209-xxx	17.0	199.5
21-02	Compressor Assembly	O	1	21114-xxx	17.5	132.8
21-03	Condenser Assembly					
21-04	Evaporator Assembly				0.6	126.5
22	<b>AutoFlight</b>	S	1	30528-xxx	0.2	112.4
22-01	Garmin Autopilot Controller, GMC 707	S	1	12722-xxx		
22-02	Altitude Transducer				1.6	125.8
23	<b>Communication</b>	O	1	29396-xxx		
23-01	GMA350/C Audio Panel				0.7	179.2
24	<b>Electrical</b>	O	1	36517-xxx		
24-01	Convenience System Controller				27.0	149.3
25	<b>Equipment &amp; Furnishings</b>	C	2	31981-xxx	21.8	180.0
25-01	Fwd Seat & Restraint Inst. (Leather: add 0.4 lb each)	C	-	29492-xxx	2.3	180.0
25-02	Rear Seat Installation (Leather: add 0.4 lb each)	C	-	12491-xxx	26.9	183.0
25-03	Rear Seat Restraint	C	1	31986, 31985, 31983	3.3	200.0
25-04	Rear bench seat Installation (Leather: add 0.8 lb)	C	-	29405-xxx	5.1	200.0
25-05	Rear Seat Restraint 3 point - 2 seat belt	C	1	29405-xxx		
25-06	Rear Seat Restraint 3 point - 3 seat belt				2.5	118.4
26	<b>Fire Protection</b>	C	1	12533-xxx		
26-01	Portable Fire Extinguisher				5.4	236.0
27	<b>Flight Controls</b>	O	1	29680-xxx		
27-01	Yaw Servo Installation				1.9	80.0
33	<b>Lights</b>	S	1	18983-xxx		
33-01	Landing Light Installation				0.5	178.5
34	<b>Navigation &amp; Pitot Static</b>	C	1	12740-xxx	0.5	204.6
34-01	Com 1 Antenna	S	1	12741-xxx	5.8	118.5
34-02	Com 2 Antenna	O	1	36739-xxx	5.8	117.0
34-03	Garmin 12" Display	C	1	36739-xxx	4.5	118.5
34-04	Garmin 12" Display	O	-	36739-xxx	4.5	117.0
34-05	Garmin 10" Display	C	-	36739-xxx	1.1	116.1
34-06	Garmin 10" Display	C	-	12102-xxx	0.7	116.9
34-07	Altimeter	C	-	13568-xxx	0.3	132.7
34-08	Airspeed Indicator	O	-	12451-xxx	2.2	114.5
34-09	Magnetic Compass	C	-	24668-xxx	0.6	200.0
34-10	Attitude Gyro	S	1	12743-xxx	0.4	136.2
34-11	Marker Beacon Antenna	C	1	12744-xxx	0.4	200.0
34-12	GPS 1 Antenna	S	1	29301-xxx	0.1	105.0
34-13	GPS 2 Antenna/Iridium Combo Antenna	C	1	12739-xxx	6.3	110.5
34-14	Transponder Antenna	S	1	24662-xxx	6.3	111.0
34-15	GPS/NAV/COM#1 GIA63W/GIA64W	S	1	24662-xxx	1.4	112.5
34-16	GPS/NAV/COM#2 GIA63W/GIA64W	O	2	36741-xxx	0.2	104.0
34-17	ADAHRS GSU 75	O	1	24660-xxx	0.6	124.0
34-18	CO Detector	S	1	36749-xxx	2.8	122.0
34-19	FMS Keyboard, GCU 479 Controller	O	-	24658-xxx	0.2	114.5
34-20	DME (KNA61)	O	-	24658-xxx	1.5	116.1
34-21	DME Antenna (KA61)	C	1	30499-xxx		
34-22	MD302 (Standby Attitude Module)					
	<b>Engine Monitoring</b>					
34-23	Rack/Unit Installation, GEA 71	S	1	24866-xxx	2.2	111.5
	<b>Traffic Option</b>					
34-24	Garmin Traffic GTS 800	O	1	26659-xxx	9.9	139.0
34-25	Antenna, Monopole	O	1	26656-xxx	0.2	180.0
34-26	Antenna, Directional, GA 58	O	1	26659-xxx	0.8	157.2
	<b>Weather Option</b>					
34-27	Stormscope Processor	O	-	12745-xxx	1.7	199.0
34-28	Stormscope Antenna	O	-	12745-xxx	0.9	191.0

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
34-29	GSR 56 Iridium Satellite Receiver <b>Transponder Option</b>	O	-	29307-xxx	4.2	231.1
34-30	GTX 345 Mode S UAT Transponder	O	1	36745-xxx	3.1	230.0
34-31	GTX 335 Mode S w/ES Transponder <b>XM Satellite Options</b>	O	-	36745-xxx	2.8	230.0
34-32	XM WX/Radio Receiver	O	1	24657-xxx	2.7	230.3
<b>35</b>	<b>Oxygen</b>					
35-01	Bottle Assembly - Empty	O	1	100N0020-4	19.9	262.3
35-02	Full				23.8	265.3
<b>61</b>	<b>Propeller</b>					
61-01	Light Weight Hub Propeller Installation	O	1	13599-xxx	63.2	48.0
61-02	Propeller Governor	C	1	21285-xxx	3.2	61.7
<b>72</b>	<b>Engine</b>					
72-01	Tanis Engine Pre-heater	O	1	25028-xxx	2.1	61.0
<b>95</b>	<b>Special Equipment</b>					
95-01	Gateway Module	O	1	42064-xxx	3.0	233.3
95-02	Enhanced Vision System	O	1	24737-xxx	1.2	161.0

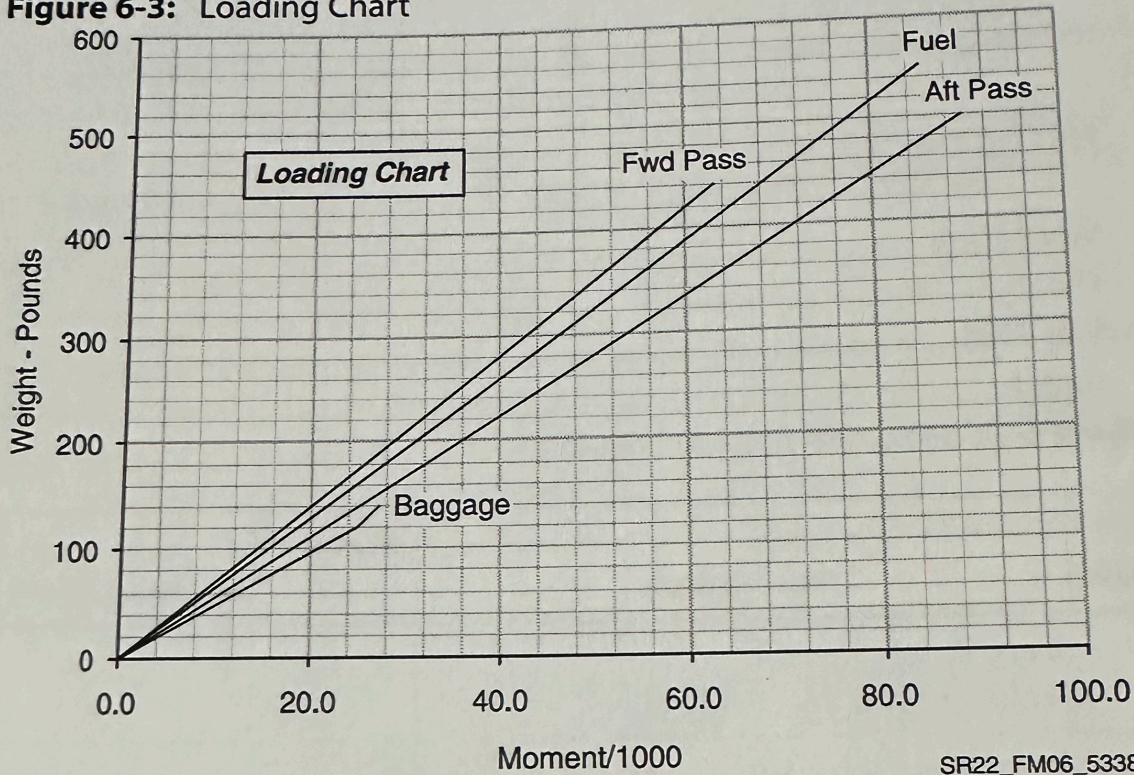
SYSTEMS  
DESCRIPTION

HANDLING SERV

## Loading Data

Use the following chart or table to determine the moment/1000 for fuel and payload items to complete the Loading Form.

**Figure 6-3: Loading Chart**

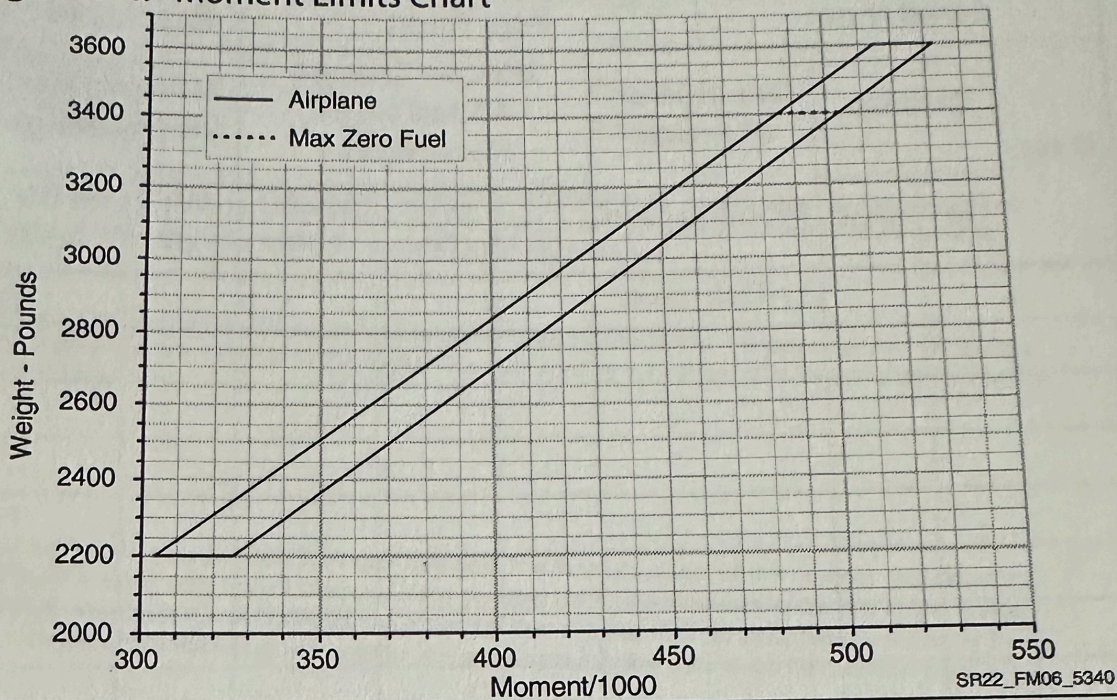


Weight LB	Fwd Pass FS 143.5	Aft Pass FS 180.0	Baggage FS 208.0	Fuel FS 154.9	Weight LB	Fwd Pass FS 143.5	Aft Pass FS 180.0	Fuel FS 154.9
20	2.9	3.6	4.2	3.1	300	43.1	54.0	46.5
40	5.7	7.2	8.3	6.2	320	45.9	57.6	49.6
60	8.6	10.8	12.5	9.3	340	48.8	61.2	52.7
80	11.5	14.4	16.6	12.4	360	51.7	64.8	55.8
100	14.4	18.0	20.8	15.5	380	54.5	68.4	58.9
120	17.2	21.6	25.0	18.6	400	57.4	72.0	62.0
140	20.1	25.2	27.04*	21.7	420	60.3	75.6	65.1
160	23.0	28.8		24.8	440	63.1	79.2	68.2
180	25.8	32.4		27.9	460		82.8	71.3
200	28.7	36.0		31.0	480		86.4	74.4
220	31.6	39.6		34.1	500		90.0	77.5
240	34.4	43.2		37.2	520			80.5
260	37.3	46.8		40.3	552**			85.5
280	40.2	50.4		43.4				
*130 lb Maximum					**92 U. S. Gallons Usable			

# Moment Limits

Use the following chart or table to determine if the weight and moment from the completed Weight and Balance Loading Form (Figure 6-2) are within limits.

**Figure 6-4: Moment Limits Chart**



Weight LB	Moment/1000		Weight LB	Moment/1000	
	Minimum	Maximum		Minimum	Maximum
2200	304	326	2950	414	437
2250	311	333	3000	422	444
2300	318	341	3050	430	452
2350	325	348	3100	438	459
2400	332	356	3150	445	467
2450	340	363	3200	453	474
2500	347	370	3250	461	481
2550	354	378	3300	469	489
2600	361	385	3350	477	496
2650	368	393	*3400	484	504
2700	375	400	3450	494	511
2750	383	407	3500	501	519
2800	391	415	3550	508	526
2850	399	422	3600	515	533
2900	407	430			

\*NOTE: Maximum zero fuel weight.

SYSTEMS DESCRIPTION HANDLING SEPS