

Aircraft Weight and Balance Revision

Tail Number: N812CS		Date: 10/2/2018	
Prepared by: Waterford Aviation, Inc. 6548 Highland Rd Suite 900 Waterford, MI 48327		Work Order No: 4455-09-2018	
		Type Certificate Data No: A000009CH	
Aircraft Make: Cirrus	Model: SR22	Serial No: 3931	Time: 703.8
Registered Owner: Robin Aviation LLC		Address: 47885 Powell Rd Plymouth, MI 48170	
Maximum Weight 3600		CG Range FWD 137.8 AFT 148.1	
As Received; Date of Previous Weight and Balance: 9/17/2013	Useful Load: 1172.3	EW: 2427.7	EWCG: 140.17
Moment: 340299.3			
Notes:			
	Weight	Arm	Moment
Removed Sky-Tec Starter	-7.6	93	-706.80
Installed Tempest PowerFlite Starter	15.25	93	1418.25
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
<input checked="" type="checkbox"/> As Calculated	Moment	341010.75	
<input type="checkbox"/> As Weighed	Weight	2435.35	
		New Empty Weight CG	New Useful Load
		140.03	1164.65
Signature			
Repair Agency or License No: A-82738624			

Delivered Weight Data & Equipment List

Model SR22

Serial Number:	3931
Registration Number:	N812CS
Basic Empty Weight:	2421 lb
Total Moment/1000:	339.368
Center of Gravity:	F.S.140.2

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.

SUPERSEDED 10 SEP 13

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 SR22 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.

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
21	Air Conditioning					
21-01	Blower Fan Only	O	-	20970-003	7.3	133.0
21-02	Compressor	O	1	21119-006	15.0	93.1
21-03	Condenser Assembly	O	1	21209-002	17.0	132.8
21-04	Evaporator Assembly	O	1	21114-006	17.5	199.5
22	AutoFlight					
22-02	Garmin Autopilot Controller	S	1	24645-xxx	0.8	126.5
22-03	Altitude Transducer	S	1	12722-002	0.2	112.4
25	Equipment & Furnishings					
25-02	Emergency Locator Transmitter & Batteries (406 MHz)	C	1	17190-101	3.4	229.5
25-03	Fwd Seat & Restraint Inst. (Leather: add 0.4 lb each)	C	2	29491-0xx	27.0	149.3
25-04	Rear Seat Installation (Leather: add 0.4 lb each)	C	-	29492-0xx	21.8	180.0
25-04	Rear Seat Restraint	C	-	12491-001	2.3	180.0
25-05	Rear bench seat Installation (Leather: add 0.8 lb)	C	1	29429, 29428, 29427	26.9	183.0
25-06	Rear Seat Restraint 3 point - 2 seat belt	C	-	29405-001	3.3	200.0
25-07	Rear Seat Restraint 3 point - 3 seat belt	C	1	29405-002	5.1	200.0
26	Fire Protection					
26-01	Portable Fire Extinguisher	C	1	12533-003	1.5	118.4
27	Flight Controls					
27-01	Flap Actuator, Modified	C	1	11787-002	4.4	173.9
27-02	Roll Trim Cartridge Assy	C	1	15660-001	0.4	161.8
27-03	Roll Trim Motor Assembly	C	1	12546-003	1.3	159.8
27-06	Pitch Trim Cartridge Assy	C	1	15560-002	0.4	310.9
27-07	Pitch Trim Motor Assy	C	1	11794-004	1.3	303.5
27-08	Yaw Trim Cartridge Assy	C	1	11898-002	0.4	106.2
33	Lights					
33-01	L/R Strobe/Nav Lights	C	2	17140-005/-006	0.6	161.8
33-02	Strobe Power Supply (2)	C	2	14286-002	1.7	147.8
33-03	Landing Light Installation	S	1	18983-005	1.9	80.0
33-04	Recognition Light Installation	S	2	18957-003/-004	0.4	138.5
34	Navigation & Pitot Static					
23-02	Com 1 Antenna	C	1	12740-004	0.5	178.5
23-03	Com 2 Antenna	S	1	12741-002	0.5	204.6
34-02	Garmin 12" Display	O	1	24655-003	9.3	118.5
34-03	Garmin 12" Display	C	1	24655-004	9.3	117.0
34-05	Garmin 10" Display	O	-	24655-011	9.3	118.5
34-06	Garmin 10" Display	C	-	24655-012	9.3	117.0
34-07	Altimeter	C	1	12102-002	1.1	116.1
34-08	Airspeed Indicator	C	1	13562-xxx	0.7	116.9
34-09	Magnetic Compass	C	1	12451-002	0.3	132.7
34-10	Attitude Gyro	C	1	24668-001	2.2	114.5
34-11	Marker Beacon Antenna	S	1	12743-003	0.6	200.0
34-12	GPS 1 Antenna	C	1	12744-004	0.4	136.2
34-13	GPS 2 Antenna/Iridium Combo Antenna	S	1	29301-001	0.4	200.0
34-14	Transponder Antenna	C	1	12739-001	0.1	105.0
34-15	VOR/LOC Antenna	C	1	12742-001	0.4	331.0
34-16	Tun Coordinator, Modified	C	1	11891-001	1.8	118.0
34-18	GMA 350 Audio Panel	O	1	29396-001	1.6	125.8
34-22	GPS/NAV/COM#1 GIA63W	O	1	24662-002	6.3	110.5

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
34-23	GPS/NAV/COM#2 GIA63W	O	1	24662-002	6.3	111.0
34-24	AIR DATA COMPUTER, GDC 74	O	2	24651-001	2.0	112.5
34-25	AHRS UNIT, GRS 77	O	2	24661-003	3.3	110.0
34-26	CO Detector	O	1	24660-002	0.2	104.0
34-27	FMS Keyboard, GCU 478	O	1	24654-002	1.0	124.0
34-28	ADF Receiver (KR87)	O	-	24659-001	3.2	120.0
34-29	ADF Antenna (KA44B)	O	-	24659-100	4.2	162.0
34-30	DME (KNA61)	O	-	24658-001	2.8	122.0
34-31	DME Antenna (KA61)	O	-	24658-100	0.2	114.5
	Engine Monitoring					
34-33	Rack/Unit Installation, GEA 71	O	1	24661-001	2.2	111.5
	Traffic Option					
34-36	Avidyne TAS Processor	O	1	71-2420-X-TAS610	6.7	139.0
34-37	Single Blade TAS Antenna	O	1	S72-1750-31L	0.7	157.2
34-38	Twin Blade TAS Antenna	O	1	S72-1750-32L	0.8	180.0
34-42	Garmin Traffic GTS 800	O	-	26659-001	9.9	139.0
34-43	Antenna, Monopole	O	-	26656-001	0.2	157.2
34-44	Antenna, Directional, GA 58	O	-	26659-050	0.8	180.0
	Weather Option					
34-49	Stormscope Processor	O	-	12745-050	1.7	199.0
34-50	Stormscope Antenna	O	-	12745-070	0.9	191.0
34-42	GSR 56 Iridium Satellite Receiver	O	-	29307-001	4.2	231.1
	Transponder Option					
34-51	Mode A/C Transponder	O	-	24652-001	1.6	230
34-52	Mode S Transponder	O	-	24653-001	2.6	230.0
34-53	Mode S w/ES Transponder	O	1	24653-002	2.6	230.0
	XM Satellite Options					
34-55	XM WX/Radio Receiver (Perspective)	O	1	24657-001/-002	2.7	228.0
34-56	XM Radio Remote Control	O	1	24641-001	0.2	149.3
35	Oxygen					
35-01	Bottle Assembly - Empty	O	-	100N0020-4	19.9	262.3
35-02	Full				23.8	265.3
61	Propeller					
61-01	Hartzell Propeller Installation	C	1	15319-00X	79.8	48.0
61-02	Hartzell Composite Propeller Installation	O	-	18974-xxx	67.2	48.0
61-03	McCauley Propeller Installation	O	-	15827-00X	78.0	50.0
61-04	Light Weight Hub Propeller Installation	O	-	15319-xxx	63.2	48.0
61-05	MT Propeller	O	-	18606-00X	56.2	48.6
61-06	Propeller Governor	C	1	15524-001	3.2	61.7
72	Engine					
72-03	Induction Filter	C	1	50207-200	0.4	62.9
72-04	Tanis Engine Pre-heater	O	1	25028-001	2.1	61.0
95	Special Equipment					
95-03	Enhanced Vision System	O	1	24737-007	1.2	161.0