



NEXAIR AVIONICS
 Mansfield Airport (1B9), Mansfield MA 02048

**REVISED AIRCRAFT WEIGHT AND BALANCE REPORT
 AND SUPPLEMENTAL EQUIPMENT LIST**

Aircraft Make and Model: Cirrus SR22
 Aircraft Serial Number: 0899
 Aircraft Registration Number: N822SC
 Date of This Revision: January 31, 2012
 Date of Previous Revision: June 03, 2011

QTY	DESCRIPTION	***** LONGITUDINAL *****		
		WEIGHT (lbs.)	ARM (in.)	MOMENT (lb./in.)
ITEMS INSTALLED				
1	Garmin GTN650 - NAV/COM/GPS 1	5.50	121.00	665.50
1	Garmin GTN650 - NAV/COM/GPS 2	5.50	122.40	673.20
1	Avidyne DFC90 Autopilot Computer	3.00	123.30	369.90
TOTAL ADDED -----		14.00		1708.60
ITEMS REMOVED				
1	Garmin GNS430 NAV/COM/GPS	5.00	121.00	605.00
1	Garmin GNS430 NAV/COM/GPS	5.00	122.40	612.00
1	S-TEC System 55X Autopilot Computer	3.00	123.30	369.90
TOTAL REMOVED -----		13.00		1586.90
TOTAL CHANGE -----		1.00		121.70

OLD WEIGHT & BALANCE, DATED: June 3, 2011 2377.99 137.99 328138.15

NEW WEIGHT & BALANCE, DATED: January 31, 2012

BASIC EMPTY WEIGHT: 2378.99
LONGITUDINAL EWCG: 137.98
LONGITUDINAL MOMENT: 328259.85
GROSS WEIGHT: 3400.00
USEFUL LOAD: 1021.01

DATE: January 31, 2012

PREPARED: David L. Fetherston A&P 3354619

NOTE:
 It is the responsibility of the pilot in command to insure that the aircraft is properly loaded using the above Weight and Balance data and the owners manual loading charts.

Cirrus Design
SR22

Weight Balance
Equipment List

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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.

220-0400 Compressor Installation
220-0600 Ducting Installation

845.98

90.731

9.324

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
22	AutoFlight					
22-01	DPC 90 AP Package Sys 55X Autopilot Program 1-31-2012	S	1	14779-002	3.0	123.3
22-02	Altitude Transducer	S	1	12722-001	0.2	112.4
23	Communications					
23-01	Radios, See 34 - Navigation	-	-	-	-	-
23-02	Com 1 Antenna	C	1	12740-001	0.5	178.5
23-03	Com 2 Antenna	S	1	12741-001	0.5	204.6

P/N 13772-001
4/21/2004

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
24	Electrical Power					
24-01	Alternator 1	C	1	646845	12.3	61.8
24-02	Alternator 2	C	1	13565-001	5.7	91.0
24-03	MCU	C	1	14600-002	7.5	98.0
24-04	Volt / Ammeter	C	1	11240-001	0.8	119.7
24-05	Battery 1	C	1	50366-001	28.0	96.0
24-06	Battery 2	C	1	14214-002	11.5	230.0
25	Equipment & Furnishings					
25-01	Emergency Locator Transmitter & Batteries	C	1	20220-001	3.6	228.8
25-02	Fwd Seat & Restraint Inst. (Leather: add 0.4 lb each)	C	2	13499-001	27.0	149.3
25-03	Rear Seat Installation (Leather: add 0.4 lb each)	C	2	12053-002	21.8	185.0
25-04	Rear Seat Restraint	C	2	12491-001	2.3	185.0
26	Fire Protection					
26-01	Portable Fire Extinguisher	C	1	12533-003	1.5	137.6
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	12546-001	1.3	159.8
27-04	Pitch Trim Cartridge Assy	C	1	14902-003	0.4	310.9
27-05	Pitch Tim Motor Assy	C	1	14832-001	1.3	303.5
27-06	Yaw Trim Cartridge Assy	C	1	11898-002	0.4	106.2
28	Fuel					
28-01	Fuel Quantity Indicator	C	1	13557-001	0.8	138.0
28-02	Fuel Selector Valve	C	1	11627-001	1.8	140.8
28-03	Gascolator	C	1	14069-001	1.0	98.5
28-04	Fuel Cap Assy	S	2	10052-001	0.3	152.3
28-05	Fuel Level Sender (OTBD)	C	2	13467-001/-002	0.3	157.8
28-06	Fuel Level Sender (INBD)	C	2	13467-003/-004	0.3	157.8
30	Ice & Rain Protection					

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
30-01	Propeller Slinger Ring	O	1	15321-001	1.5	55.0
30-02	De-Icing Fluid Reservoir	O	1	15269-002	4.2	181.0
30-03	Metering Pump	O	1	15165-013	4.5	176.0
31	Indicating & Recording					
31-01	Annunciator Panel	C	1	15262-001	0.3	117.2
31-02	Hourmeter	S	1	12135-001	0.1	142.3
32	Landing Gear					
32-01	Main Landing Gear Installation	C	2	13287-001/002	34.0	157.5
32-02	Main Landing Gear Fairing Installation	S	2	13420-001	12.5	157.5
32-05	Brake Assembly	C	2	13399-103	3.2	157.5
32-06	Main Wheels	C	2	13399-101	6.3	157.5
32-07	Main Tire	C	2	14075-002	6.3	157.5
32-08	Main Tube	C	2	14076-002	1.0	157.5
32-09	Nose Landing Gear Installation	C	1	13389-001	35.0	86.0
32-10	Nose Wheel	C	1	12798-001	4.5	70.0
32-11	Nose Tire 5.00 x 5	C	1	14075-001	4.3	70.0
32-12	Nose Tire Tube	C	1	14076-001	1.0	70.0
32-13	Nose Gear Fairing & Pant	S	1	14291-101	0.9	78.0
32-14	Brake Master Cylinder	C	4	14269-001	0.6	104.5
32-15	Brake Fluid Reservoir	C	1	12006-001	0.4	98.1
33	Lights					
33-01	L/R Strobe/Nav Lights	C	2	50626-001/-002	0.6	158.0
33-02	Strobe Power Supply (2)	C	2	50625-001	1.7	158.0
33-03	Landing Light Installation	S	1	20248-001	1.9	80.0
34	Navigation & Pitot Static					
34-01	Avidyne FlightMax MFD	O	1	14751-001	6.4	121.8
34-02	Avidyne FlightMax PFD	O	1	15222-001	12.0	115.5
34-03	Altimeter	C	1	12102-001	1.1	116.1
34-04	TAS Indicator	C	1	13568-002	0.7	116.9
34-05	Magnetic Compass	C	1	12451-002	0.3	132.7
34-06	Attitude Gyro	C	1	13459-002	2.2	114.5
34-07	Marker Beacon Antenna	S	1	12743-001	0.6	200.0
34-08	GPS 1 Antenna	C	1	12744-001	0.4	136.2
34-09	GPS 2 Antenna	S	1	12744-001	0.4	110.3

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
34-10	Transponder Antenna	C	1	12739-001	0.1	105.0
34-11	VOR/LOC Antenna	C	1	12742-001	0.4	331.0
34-12	Turn Coordinator, Modified	C	1	11891-001	1.8	118.0
34-13	GMA 340 Audio Panel	S	1	12717-050	1.5	121.5
34-14	GNS 420 (GPS/COM/NAV)	O	-	12718-004	5.0	121.0
34-15	GNS 430 (GPS/COM/NAV) <i>GNS 430 (GPS/COM/NAV) 1-31-2012</i>	C	1	12718-051	5.0 <i>5.5</i>	121.0
34-16	GNS 430 (GPS/COM/NAV) <i>GNS 430 (GPS/COM/NAV) 1-31-2012</i>	O	1	12718-051	5.0 <i>5.5</i>	122.4
34-17	GTX 327 Transponder <i>GTX 327 Transponder / COM</i>	C	1	13587-001	1.6	124.9
Engine Monitoring Option						
34-18	• Monitor Sensor Unit	O	1	14843-001	1.1	118.0
34-19	• Monitor Harness	O	1	15030-001	0.9	92.0
34-20	• Monitor Cabin Harness	O	1	15032-001	2.0	108.0
Sky Watch Option						
34-21	• Sky Watch Inverter	O	1	14484-001	0.5	118.0
34-22	• Sky Watch Antenna nstl	O	1	14480-001	2.3	150.5
34-23	• Sky Watch Track Box	O	1	14477-050	10.0	140.0
Stormscope Option						
34-24	• Processor	O	1	12745-050	1.7	199.0
34-25	• Antenna	O	1	12745-070	0.9	191.0
61	Propeller					
61-01	Hartzell Propeller Installation	C	1	15319-00X	79.8	48.0
61-02	McCauley Propeller Installation	O	-	15825-00X	78.0	50.0
61-03	Propeller Governor	C	1	15524-001	3.2	61.7
71	Power Plant					
71-01	Upper Cowl	C	1	20181-001	10.5	78.4
71-02	Lower Cowl	C	1	20182-001	5.4	78.4
71-03	Engine Baffling Installation	C	1	15460-001	10.7	78.4
72	Engine					
72-01	Engine	C	1	IO550N27B	414.5	76.5
72-02	Engine Mount Assembly	C	1	15546-003	22.0	76.5
72-03	Induction Filter	C	1	15672-001	0.4	62.9
72-04	Reiff Heater	O	-	L-6	1.9	76.0
73	Engine Fuel					
73-01	Engine Driven Fuel Pump	C	1	634530M	3.2	93.7

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Weight Balance
Equipment List

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
73-02	Electric Fuel Pump Assy.	C	1	11839-001	2.3	97.7
73-03	Fuel Pressure Switch Assy.	C	1	13598-001	0.4	67.8
74	Engine Ignition					
74-01	Spark Plugs	C	12	RHB32E	0.3	78.4
74-02	Magnetos (L & R)	C	2	10-500556-1	11.5	74.5
74-03	Ignition Switch Installation	C	1	11915-002	0.5	123.0
77	Engine Indicating					
77-01	Tachometer	C	1	13559-001	0.5	118.7
77-02	EGT/CHT Gage	C	-	12616-001	0.5	119.0
77-03	Man Press/Fuel Flow Gage	C	1	13558-001	0.5	118.8
77-04	Oil Temp / Pressure Gage	C	1	12619-001	0.5	119.2
78	Engine Exhaust					
78-01	Heater Muffler	S	1	14837-001	7.2	87.0
78-02	LH Muffler	S	1	14836-001	2.8	86.0
78-03	Tailpipe	S	2	20150-001	2.9	99.0
79	Oil					
79-01	Engine Oil Cooler	S	1	10281A	7.8	90.0
79-02	Oil Filter	S	1	CH48108	1.5	93.4
80	Starting					
80-01	24-volt Starter	S	1	ES-646275-1	15.0	93.0
95	Special Equipment					
95-01	Packed Parachute (CAPS)	C	1	20331-001	54.0	235.5
95-02	Airplane Flight Manual	C	1	13772-001	1.2	-

P/N 13772-001
4/21/2004

220-0600 Ducting Installation

1048.03

55.007

1048.03