

Monaco Air Duluth
4535 Airport Approach Road
Duluth, MN 55811
(218)727-2911

Weight and Balance Change for Equipment Installed or Removed

Date:	7/11/2018
N-Number	N788PG
S/N	3208

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WEIGHING POINT	Scale Reading	Tare	Net Weight	ARM	MOMENT
previous W&B dated 12/16/2010			2431.00	139.400	339002.000
Empty Weight	0		2431.00	139.40	339002.00
(Unusable fuel is included in empty weight.)			0.00		
Space below is provided for additions or subtractions					
SB2X-95-19 Rocket and Shelf Assembly			1.34	231.40	310.08
SB2X-95-19 Electrical Wiring Modification			0.78	116.00	90.48
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
			2433.12	139.49	339402.56
Max. Gross Weight			3400.00		
Basic Empty Weight			2433.12	139.49	339.403
Useful Load			966.88		
			C.G.(% MAC)	13.4%	

Prepared by Rick Hagberg A&P 3268908

Rick Hagberg

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WEIGHING POINT	Scale Reading	Tare	Net Weight	ARM	MOMENT
Empty Weight	0		2418.00	139.3	336792
(Unusable fuel is included in empty weight.)			C.G.(% MAC)	13.2%	
Space below is provided for additions or subtractions					
Installed Precise Flight Semi-Portable O2 system			13.00	170.0	2210.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
			2431.00	139.4	339002.0
Max. Gross Weight			3400.00		
Basic Empty Weight			2431.00	139.4	339.002
Useful Load			969.00		
			C.G.(% MAC)	13.5%	

*Superseded
7/11/2018*

Delivered Weight Data & Equipment List

Model SR22

Serial Number:	3208
Registration Number:	N788PG
Basic Empty Weight:	2418 lb
Total Moment/1000:	336.792
Center of Gravity:	F.S.139.3 or 13.0 MAC
Parachute Canopy Color:	Orange / White

*Superseded
12/16/2010*

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 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	-	20970-001	7.3	133.0
21-02	Compressor	O	1	21119-003	15.0	93.1
21-03	Condenser Assembly	O	1	21209-001	17.0	132.8
21-04	Evaporator Assembly	O	1	21114-005	17.5	199.5
22	AutoFlight					
22-01	Sys 55X Autopilot Prgmmr	S	-	14779-002	3.0	123.3
22-01	Garmin Autopilot Controller	S	1	24645-001	0.8	126.5
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
24	Electrical Power					
24-01	Alternator 1	C	1	646843	12.3	61.8

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
24-02	Alternator 2	C	-	13565-001	5.7	91.0
24-02	Alternator 2	C	1	657199	9.0	62.0
24-03	MCU130 with Cables	C	-	19911-003	12.1	97.5
24-03	MCU140 w/ Cables	C	1	19799-001	13.9	97.5
24-05	Battery 1	C	1	53030-001	26.5	96.0
24-06	Battery 2	C	-	50979-011	11.5	230.0
24-06	Battery 2	O	1	24557-002	21.4	230.0
25	Equipment & Furnishings					
25-01	Emergency Locator Transmitter & Batteries (121.5 MHz)	O	-	20220-001	3.6	228.8
25-02	Emergency Locator Transmitter & Batteries (406 MHz)	C	1	17190-100	3.4	229.5
25-03	Fwd Seat & Restraint Inst. (Leather: add 0.4 lb each)	C	2	20907-40x	27.0	149.3
25-04	Rear Seat Installation (Leather: add 0.4 lb each)	C	2	13134-40x	21.8	180.0
25-05	Rear Seat Restraint	C	2	12491-001	2.3	180.0
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	12546-001	1.3	159.8
27-04	Roll Servo GSA80	O	1	24644-002	3.1	172.0
27-05	Roll Servo Motor GSM85A	O	1	24644-012	1.6	172.0
27-06	Pitch Trim Cartridge Assy	C	1	15560-002	0.4	310.9
27-07	Pitch Tim Motor Assy	C	1	11794-004	1.3	303.5
27-08	Yaw Trim Cartridge Assy	C	1	11898-002	0.4	106.2
27-09	Yaw Servo GSA81	O	1	24644-001	2.2	236.0
27-10	Yaw Servo Motor GSM85A	O	1	24644-011	1.6	236.0
28	Fuel					
28-01	Fuel Quantity Indicator	C	1	13557-002	0.8	138.0
28-02	Fuel Selector Valve	C	1	11627-001	1.8	140.8
28-04	Fuel Cap Assy	S	2	18051-001	0.4	154.0
28-05	Fuel Level Sender (OTBD)	C	2	18484-001	0.3	151.7
28-06	Fuel Level Sender (INBD)	C	2	18483-001	0.3	155.7
30	Ice & Rain Protection					
30-01	Propeller Slinger Ring	O	1	15321-001	1.5	55.0
30-02	De-Icing Fluid Reservoir	O	1	Integral to Wing	9.2	148.4
30-03	Metering Pump	O	1	17351-001	5.0	181.3
31	Indicating & Recording					

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
31-01	Annunciator Panel	C	1	15262-001	0.3	117.2
31-02	Hourmeter	S	2	12135-001	0.1	142.3
32	Landing Gear					
32-01	Main Landing Gear Installation	C	2	18560-001/ 002	34.0	157.5
32-02	Main Landing Gear Fairing Installation	S	2	18143-001/002	14.3	157.5
32-03	Brake Assembly	C	2	17122-103	3.2	157.5
32-04	Main Wheels	C	2	17122-101	7.8	157.5
32-05	Main Tire	C	2	14075-006	6.3	157.5
32-06	Main Tube	C	2	14076-002	1.0	157.5
32-07	Nose Landing Gear Installation	C	1	18100-001	35.0	77.0
32-08	Nose Wheel	C	1	12798-001	4.5	71.8
32-09	Nose Tire 5.00 x 5	C	1	14075-003	4.3	71.8
32-10	Nose Tire Tube	C	1	14076-001	1.0	71.8
32-11	Nose Gear Fairing & Pant	S	1	18303-001	5.2	78.0
32-12	Brake Master Cylinder	C	4	14269-001	0.6	104.5
32-13	Brake Fluid Reservoir	C	1	12006-001	0.4	98.1
33	Lights					
33-01	L/R Strobe/Nav Lights	C	2	17140-001/002	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	20248-004	1.9	80.0
33-03	Recognition Light Installation	S	2	18285-001/002	0.4	138.5
34	Navigation & Pitot Static					
34-01	Avidyne FlightMax MFD	O	-	14751-001	6.4	121.8
34-01	Garmin 12" Display	O	1	24655-003	9.3	118.5
34-02	Avidyne FlightMax PFD	O	-	15222-001	12.0	115.5
34-02	Garmin 12" Display	C	1	24655-004	9.3	117.0
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
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	-	12717-050	1.5	121.5
34-13	GMA 347, Audio Panel	O	1	24551-002	2.0	125.5
34-14	GNS 420 (GPS/COM/NAV)	O	-	12718-004	5.0	121.0
34-15	GNS 430 (GPS/COM/NAV)	C	-	12718-051	5.0	121.0
34-16	GNS 430 (GPS/COM/NAV)	O	-	12718-051	5.0	122.4
34-14	GPS/NAV/COM#1 GIA63W	O	1	24662-001	6.3	110.5

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
34-15	GPS/NAV/COM#2 GIA63W	O	1	24662-001	6.3	111.0
34-19	AIR DATA COMPUTER, GDC 74	O	1	24651-001	2.0	112.5
34-20	AHRS UNIT, GRS 77	O	2	24661-001	3.3	110.0
34-21	CO Detector	O	1	19273-001	0.2	104.0
34-22	FMS Keyboard, GCU 478	O	1	24654-002	1.0	124.0
34-23	ADF Installation	O	-	24724-001	3.2	120.0
34-24	ADF Antenna Installation	O	-	24617-001	4.2	162.0
34-25	DME Installation	O	-	19353-001	2.8	122.0
34-26	DME Antenna Installation	O	-	24733-001	0.2	114.5
EMax Engine Monitoring						
34-17	• Data Acquisition Unit	O	-	16692-001	2.0	118.0
34-17	Rack/Unit Installation, GEA 71	O	1	19256-001	2.2	111.5
34-18	• Monitor Cabin Harness	O	-	16695-005	2.0	108.0
Sky Watch Option						
34-19	• Sky Watch Inverter	O	1	14484-001	0.5	118.0
34-20	• Sky Watch Antenna nstl	O	1	14480-001	2.3	150.5
34-21	• Sky Watch Track Box	O	1	14477-050	10.0	213.3
Stormscope Option						
34-22	• Processor	O	-	12745-050	1.7	199.0
34-23	• Antenna	O	-	12745-070	0.9	191.0
Transponder Option						
34-24	• Mode A/C Transponder	C	1	24652-001	1.6	230
34-25	• Mode S Transponder	O	-	24653-001	2.6	230
XM Satellite Options						
34-27	• XM WX / Radio Receiver	O	-	16121-001	1.7	114.0
34-27	XM FIGHTER TRANSPONDER	O	1	19254-002	2.7	228.0
34-28	• XM Radio Remote Control	O	1	16665-501	0.2	149.3
35	Oxygen					
35-01	Bottle Assembly - Empty	O	-	100N0020-4	17.4	262.3
	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	-	18974-001	67.2	48.0
61-02	McCauley Propeller Installation	O	-	15825-00X	78.0	50.0
61-03	MT Propeller	O	-	18606-00X	56.2	48.6
61-03	Propeller Governor	C	1	15524-001	3.2	61.7

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
71	Power Plant					
71-01	Upper Cowl	C	1	20181-003	10.5	78.4
71-02	Lower Cowl LH	C	1	20182-006	5.4	78.4
71-03	Lower Cowl RH	C	1	18396-001	5.4	78.4
71-03	Engine Baffling Installation	C	1	15460-001	10.7	78.4
72	Engine					
72-01	Engine	C	1	14057-00X	414.5	76.5
72-02	Engine Mount Assembly	C	1	16546-001	22.0	76.5
72-03	Induction Filter	C	1	50207-001	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	655921-1A5	3.2	93.7
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	11915-003	0.5	123.0
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	20516-001	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
81	Turbines-SA10588SC & SE10589SC					
81-01	LH Turbocharger	C	-	ETI-SR22-2000	15.0	84.0
81-02	RH Turbocharger	C	-	ETI-SR22-1300	15.0	84.0
81-03	LH Intercooler	C	-	ETI-G2-500-1	5.0	83.0
81-04	RH Intercooler	C	-	ETI-G2-500-2	5.0	83.0
81-05	Lower Cowl Modification	C	-	NA	0.8	81.0
81-06	Air Filter Box and Retainer	C	-	NA	1.5	63.0
95	Special Equipment					
95-01	Packed Parachute (CAPS)	C	1	20331-001	54.0	235.5
95-02	Airplane Flight Manual	C	1	13772-002	1.2	-