



MidAmerica
Aircraft Services LLC

AIRCRAFT WEIGHT AND BALANCE REPORT

DATE 8/18/21 REGISTRATION #: N322PB
 AIRCRAFT MAKE CIRRUS SERIAL #: 65
 AIRCRAFT MODEL SR22T

AIRCRAFT AS WEIGHED
 INCLUDES OIL & OPERATING FLUIDS

| REACTION WHEEL-JACK POINTS | SCALE READING | TARE | ADJUSTED SCALE READING | ARM | MOMENT |
|----------------------------|---------------|------|------------------------|-------|----------|
| LEFT MAIN | | | | | |
| RIGHT MAIN | | | | | |
| SUB TOTAL | | | | | |
| NOSE-TAIL | | | | | |
| TOTAL (AS WEIGHED) | 2503 | | | 139.3 | 348667.9 |

| AIRCRAFT (AS WEIGHED) | WEIGHT | | | | |
|-----------------------|---------|--|--|--------|----------|
| Rocket/Shelf Assy | 1.34 | | | 231.4 | 310.1 |
| Electrical Wiring Mod | 0.78 | | | 116 | 90.5 |
| Rocket Ground | 0.1 | | | 116 | 11.6 |
| TOTAL (AS WEIGHED) | 2505.22 | | | 139.34 | 349080.1 |

BASIC EMPTY WEIGHT: 3400 SCALE P/N _____
 NEW EMPTY WEIGHT C. G.: 139.34 SCALE S/N _____
 MAX RAMP WEIGHT: 3400 SCALE S/N _____
 MAX T. O. WEIGHT: 3400 SCALE S/N _____
 USEFUL LOAD: 894.78 CAL DATE _____
 % MAC _____

WORK ORDER NO. SH21-0122
 DATE 8/18/2021
 SIGNED [Signature]

SUPERCEDES W/B DATED
 Original

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**Cirrus Design
SR22T**

**Section 6
Weight and Balance Data**

Equipment List

This list will be determined after the final equipment has been installed in the aircraft.

Delivered Weight Data & Equipment List

| | |
|----------------------|--------------------------|
| Model SR22T | |
| Serial Number: | 0065 |
| Registration Number: | N3204B N302PB |
| Basic Empty Weight: | 2503 lb |
| Total Moment/1000: | 348.829 |
| Center of Gravity: | F.S.139.3 |

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.

| 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 Assembly | O | 1 | 21119-004 | 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 | | | | | |
| 22-01 | Sys 55X Autopilot Prgrmmr | S | - | 13560-004 | 3.0 | 123.3 |
| 22-02 | Garmin Autopilot Controller, GMC 705 | S | 1 | 24645-002 | 0.8 | 126.5 |
| 22-03 | Altitude Transducer | S | 1 | 12722-002 | 0.2 | 112.4 |
| 22-04 | Roll Servo Actuator | O | 1 | 24644-002 | 3.1 | 172.0 |
| 23 | Communications | | | | | |
| 23-01 | Radios, See 34 - Navigation | - | - | - | - | - |
| 24 | Electrical Power | | | | | |
| 24-01 | Alternator 1 | C | 1 | 656802 | 13.7 | 61.8 |
| 24-02 | Alternator 2 | C | 1 | 657199 | 7.5 | 62.0 |
| 24-03 | MCU140 | C | 1 | 19800-001 | 13.9 | 97.5 |
| 24-04 | Battery 1 | C | 1 | 53030-001 | 26.5 | 96.0 |
| 24-05 | Battery 2 | O | - | 24557-002 | 21.4 | 230.0 |
| 24-06 | Battery 2 | C | 1 | 24947-001 | 11.5 | 230.0 |
| 25 | Equipment & Furnishings | | | | | |
| 25-01 | Emergency Locator Transmitter & Batteries (406 MHz) | C | 1 | 17190-100 | 3.4 | 229.5 |
| 25-02 | Fwd Seat & Restraint Inst. (Leather: add 0.4 lb each) | C | 2 | 20907-00x | 27.0 | 149.3 |
| 25-03 | Rcar Seat Installation (Leather: add 0.4 lb each) | C | 2 | 13134-40x | 21.8 | 180.0 |
| 25-04 | 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 | 12546-003 | 1.3 | 159.8 |
| 27-05 | Roll Servo Motor GSM86 | O | 1 | 24644-013 | 1.6 | 172.0 |
| 27-06 | Pitch Trim Cartridge Assy | C | 1 | 15560-002 | 0.4 | 310.9 |
| 27-07 | Pitch Trim Motor Assy | C | 1 | 14832-001 | 1.3 | 303.5 |
| 27-08 | Yaw Trim Cartridge Assy | C | 1 | 11898-002 | 0.4 | 106.2 |
| 27-09 | Yaw Servo GSA80 | O | 1 | 24644-003 | 2.2 | 236.0 |
| 27-10 | Yaw Servo Motor GSM85A | O | 1 | 24644-013 | 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 | 17921-001 | 1.8 | 140.8 |
| 28-03 | Fuel Cap Assy | S | 2 | 18051-002 | 0.4 | 154.0 |
| 28-04 | Fuel Level Sender (OTBD) | C | 2 | 18484-003 | 0.3 | 151.7 |
| 28-05 | Fuel Level Sender (INBD) | C | 2 | 18483-003 | 0.3 | 155.7 |
| 30 | Ice & Rain Protection | | | | | |
| 30-01 | Propeller Slinger Ring | O | 1 | 15321-001 | 0.4 | 55.0 |

| ATA / Item | Description | Sym | Qty | Part Number | Unit Wt | Arm |
|------------|--|-----|-----|------------------|---------|-------|
| 30-03 | Metering Pump | O | - | 17351-001 | 5.0 | 181.3 |
| 30-04 | Windshield Spray Nozzles (FIKI) | O | 2 | 19610-001 | 0.0 | 101.8 |
| 30-05 | Metering Pump #1 (FIKI) | O | 2 | 21950-003 | 4.3 | 182.0 |
| 30-06 | Metering Pump #2 (FIKI) | O | 2 | 21951-002 | 5.1 | 178.0 |
| 30-11 | Ice-Inspection Lights | O | 2 | 19985-001/002 | 0.6 | 104.5 |
| 30-12 | Heated Stall Warning | O | 1 | 18691-001 | 0.2 | 133.7 |
| 30-02 | De-Icing Fluid Reservoir | O | 1 | Integral to Wing | 9.2 | 148.4 |
| 31 | Indicating & Recording | | | | | |
| 31-01 | Annunciator Panel | C | 1 | 15260-003 | 0.3 | 117.2 |
| 31-02 | Hourmeter | S | 2 | 50485-001 | 0.1 | 142.3 |
| 32 | Landing Gear | | | | | |
| 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 | 18631-001 | 25.0 | 77.0 |
| 32-08 | Nose Wheel | C | 1 | 12798-001 | 4.5 | 76.3 |
| 32-09 | Nose Tire 5.00 x 5 | C | 1 | 12020-003 | 4.3 | 76.3 |
| 32-10 | Nose Tire Tube | C | 1 | 14076-001 | 1.0 | 76.3 |
| 32-11 | Assembly, Nose Wheel Pant Fairing | S | 1 | 26168-001 | 3.2 | 78.0 |
| 32-12 | Fairing, NLG Strut, Oleo | S | 1 | 26607-001 | 1.1 | 78.0 |
| 32-13 | 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 |
| 33-04 | Recognition Light Installation | S | 2 | 18285-001/002 | 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 | 12741-001 | 0.5 | 204.6 |
| 34-01 | Garmin 12" Display | O | 1 | 24655-003 | 9.3 | 118.5 |
| 34-02 | Garmin 12" Display | C | 1 | 24655-004 | 9.3 | 117.0 |
| 34-03 | Garmin 10" Display | O | - | 24655-001 | 9.3 | 118.5 |
| 34-04 | Garmin 10" Display | C | - | 24655-002 | 9.3 | 117.0 |
| 34-05 | Allimeter | C | 1 | 12102-001 | 1.1 | 116.1 |
| 34-07 | Magnetic Compass | C | 1 | 12451-002 | 0.3 | 132.7 |
| 34-08 | Attitude Gyro | C | 1 | 13459-002 | 2.2 | 114.5 |
| 34-09 | Marker Beacon Antenna | S | 1 | 12743-001 | 0.6 | 200.0 |
| 34-10 | GPS 1 Antenna | C | 1 | 12744-001 | 0.4 | 136.2 |
| 34-11 | GPS 2 Antenna | S | 1 | 12744-001 | 0.4 | 205.0 |
| 34-12 | Transponder Antenna | C | 1 | 12739-001 | 0.1 | 105.0 |
| 34-13 | VOR/LOC Antenna | C | 1 | 12742-001 | 0.4 | 331.0 |
| 34-14 | Turn Coordinator, Modified | C | 1 | 11891-001 | 1.8 | 118.0 |
| 34-16 | GMA 347, Audio Panel | O | 1 | 24656-003 | 2.0 | 125.5 |
| 34-20 | GPS/NAV/COM#1 GIA63W | O | 1 | 24662-001 | 6.3 | 110.5 |
| 34-21 | GPS/NAV/COM#2 GIA63W | O | 1 | 24662-001 | 6.3 | 111.0 |
| 34-22 | AIR DATA COMPUTER, GDC 74 | O | 1 | 24651-001 | 2.0 | 112.5 |
| 34-23 | AHRS UNIT, GRS 77 | O | 2 | 24661-003 | 3.3 | 110.0 |

| ATA / Item | Description | Sym | Qty | Part Number | Unit Wt | Arm |
|------------|---|-----|-----|------------------|---------|-------|
| 34-24 | CO Detector | O | 1 | 24860-002 | 0.2 | 104.0 |
| 34-25 | FMS Keyboard, GCU 478 Controller | O | 1 | 24854-002 | 1.0 | 124.0 |
| 34-26 | ADF Receiver (KR87) | O | - | 24659-001 | 3.2 | 120.0 |
| 34-27 | ADF Antenna (KA44B) | O | - | 24659-100 | 4.2 | 162.0 |
| 34-28 | DME (KNA61) | O | - | 24658-001 | 2.8 | 122.0 |
| 34-29 | DME Antenna (KA61) | O | - | 24658-100 | 0.2 | 114.5 |
| | EMax Engine Monitoring | | | | | |
| 34-30 | Data Acquisition Unit | O | - | 16692-001 | 2.0 | 118.0 |
| 34-31 | Rack/Unit Installation, GEA /1 | O | 1 | 24666-001 | 2.2 | 111.5 |
| 34-32 | Monitor Cabin Harness | O | - | 16695-005 | 2.0 | 108.0 |
| | Traffic Option | | | | | |
| 34-36 | Avidyne TAS Processor | O | - | 70-2420-X-TAS610 | 6.7 | 139.0 |
| 34-37 | Single Blade TAS Antenna | O | - | S72-1750-31L | 0.7 | 157.2 |
| 34-38 | Iwin Blade IAS Antenna | O | - | S72-1750-32L | 0.8 | 180.0 |
| 34-40 | Garmin Traffic GTS 800 | O | 1 | 26659-001 | 9.9 | 139.0 |
| 34-41 | Antenna, Monopole | O | 1 | 26656-001 | 0.2 | 157.2 |
| 34-42 | Antenna, Directional, GA 58 | O | 1 | 26659-050 | 0.8 | 180.0 |
| | Weather Option | | | | | |
| 34-43 | Avidyne TWX Processor | O | - | 700-00033-□ | 1.5 | 199.0 |
| 34-44 | Avidyne TWX Antenna | O | - | S72-1715-1 | 2.5 | 191.5 |
| 34-45 | • Stormscope Processor | O | - | 12745-050 | 1.7 | 199.0 |
| 34-46 | • Stormscope Antenna | O | - | 12745-070 | 0.9 | 191.0 |
| | Transponder Option | | | | | |
| 34-47 | • GTX 32 Transponder (Mode C) | O | - | 24652-001 | 1.6 | 230 |
| 34-48 | • GTX 33 Transponder (Mode S) | C | 1 | 24653-001 | 2.6 | 230 |
| | XM Satellite Options | | | | | |
| 34-49 | XM WX/Radio Receiver (Perspective) | O | 1 | 17710-001 | 2.7 | 228.0 |
| 34-50 | • XM Radio Remote Control | O | 1 | 16665-502 | 0.2 | 149.3 |
| 35 | Oxygen | | | | | |
| 35-01 | Bottle Assembly - Empty | O | 1 | 100N0020-4 | 19.9 | 262.3 |
| 35-02 | Full | | | | 23.8 | 265.3 |
| 61 | Propeller | | | | | |
| 61-04 | Light Weight Hub Propeller Installation | O | 1 | 15319-013 | 63.2 | 48.0 |
| 61-06 | Propeller Governor | C | 1 | 15524-001 | 3.2 | 61.7 |
| 71 | Power Plant | | | | | |
| 71-01 | Upper Cowl | C | 1 | 27203-002 | 10.5 | 78.4 |
| 71-02 | Lower Cowl LH | C | 1 | 18983-003 | 5.4 | 78.4 |
| 71-03 | Lower Cowl RH | C | 1 | 27742-001 | 5.4 | 78.4 |
| 71-04 | Engine Baffling Installation | C | 1 | 15460-007 | 10.7 | 78.4 |
| 72 | Engine | | | | | |
| 72-01 | Engine | C | 1 | 26358-001 | 569.0 | 76.5 |
| 72-04 | Tanis Engine Pre-heater | O | 1 | 23623-001 | 2.1 | 61.0 |
| 73 | Engine Fuel | | | | | |
| 73-02 | Electric Fuel Pump Assy. | C | 1 | 19094-001 | 2.9 | 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 | 10-500556-101 | 11.6 | 74.5 |
| 74-03 | Ignition Switch Installation | C | 1 | 11915-003 | 0.5 | 123.0 |
| 79 | Oil | | | | | |

SAFETY

DESCRIPTION

& MAINT

SUPPLEMENTS

| ATA / Item | Description | Sym | Qty | Part Number | Unit Wt | Arm |
|------------|-------------------------|-----|-----|-------------|---------|-------|
| 79-02 | Oil Filter | S | 1 | CH48108 | 1.5 | 93.4 |
| 80 | Starting | | | | | |
| 80-01 | 24-volt Starter | S | 1 | 657596 | 6.63 | 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 | 13772-003 | 1.2 | - |
| 95-03 | Enhanced Vision System | O | 1 | 24737-005 | 1.2 | 161.0 |