

## CIRRUS DESIGN WEIGHT BALANCE

AIRPLANE SERIAL NO: 285      DATE: 7/29/02  
 REGISTRATION NO: N874CD      MECH. JUSTIN  
 PAINT: YES

Y= 85.625  
 X= 57.375

WEIGHING POINT	Scale Reading	Tare	Net Weight	ARM	MOMENT
L Main	898		898	157.375	141322.8
R Main	886		886	157.375	139434.3
Nose	466		466	71.750	33435.5
Empty Wt	2250		2250	139.64	314193
				13.7%	
Unusable Fuel			17.6	154.88	2718.14
Basic Empty Weight			2268	139.8	316911
			CG (%MAC)	14.0%	

### Weight & Balance Data Sheet

Registration **N874CD**

Date: **04/16/07**

Make & Model: **CIRRUS SR22**

Serial: **0285**

	Pounds	Arm	Moment
<b>Previous Empty Weight</b>	2268	140	316911
Removed: <b>Garmin GTX 327 Trans</b>	-1.6	124.9	199
Installed: <b>Garmin GTX 330 Trans</b>	4.2	124.9	525
	2270	140	317237
<b>New Basic Empty Weight</b>	<b>2270lb</b>	<b>140</b>	<b>317237</b>

Computed by



Ed Deshaies AP079503082

Date: **04/16/07**

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
<b>34</b>	<b>Navigation &amp; Pitot Static</b>	-	-	-	-	-
34-01	Altimeter	C	1	12102-001	1.1	116.1
34-02	TAS Indicator	C	1	13568-001	0.7	116.9
34-03	Vertical Speed Indicator	S	1	12103-001	0.7	116.6
34-04	Magnetic Compass	C	1	12451-001	0.3	132.7
34-05	Attitude Gyro	C	1	13468-001	2.2	114.5
34-06	Clock & OAT Sensor	C	1	50352-001	0.3	117.4
34-07	OAT Sensor (part of Clock)	S	1	50352-001	0.1	103.0
34-08	ARNAV ICDS-2000 Display	O	-	12755-001	8.8	121.8
34-09	Avidyne FlightMax MFD	O	1	700-00004-XXX	6.4	121.8
34-10	Avidyne Adapter Plate	O	-	-	0.4	123.2
34-11	Marker Beacon Antenna	S	1	12743-001	0.6	200.0
34-12	GPS 1 Antenna	C	1	12744-001	0.4	136.2
34-13	GPS 2 Antenna	S	1	12744-001	0.4	110.3
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	WX500 Processor	O	1	12745-050	1.7	199.0
34-17	Stormscope Antenna	O	1	12745-070	.9	191.0
34-18	GMA 340 Audio Panel	S	1	12717-050	1.5	121.5
34-19	GNS 430 (GPS/COM/NAV)	C	1	12718-051	5.0	121.0
34-20	GNS 430 (GPS/COM/NAV)	S	1	12718-051	5.0	122.4
34-21	GTX 327 Transponder	C	1	13587-001	1.6	124.9
34-22	Turn Coordinator, Modified	C	1	11891-001	1.8	118.0
34-23	VOR/LOC./ILS/GS Indicator	S	1	12723-152	1.3	116.6
34-24	HSI (NSD 1000, Elec Gyro)	O	-	12734-151	4.6	114.1
34-25	Gyro Slaving Amplifier	S	-	12734-111	0.5	135.0
34-26	Flux Detector	S	1	12734-121	0.4	151.0
34-27	Gyro Slaving Amplifier (Stormscope)	O	1	12734-112	1.8	135.0
34-28	Remote Gyro, HSI	O	1	14357-001	4.9	181.0
34-29	HSI (SN3308) SANDEL	O	1	14356-001	3.6	114.1
34-30	Sky Watch Inverter	O	-	14484-001	0.5	118.0
34-31	Sky Watch Antenna nstl	O	-	14477-001	2.3	150.5
34-32	Sky Watch Track Box	O	-	14477-050	10.0	140.0

SYSTEMS  
DESCRIPTION

HANDLING, SERV  
& MAINT

SUPPLEMENTS

ATA/ Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
<b>61</b>	<b>Propeller</b>	-	-	-	-	-
61-01	3-Blade Propeller Instl	C	1	13599-001	79.0	50.3
61-02	• 3-Blade Prop/Hub Assy	C	1	14070-001	76.2	50.3
61-03	• 3-Blade Spinner	C	1	13978-001	2.8	50.3
61-04	Propeller Governor	C	1	13214-001	3.2	61.7
<b>71</b>	<b>Power Plant</b>	-	-	-	-	-
71-01	Upper Cowl	C	1	10842-004	10.5	78.4
71-02	Lower Cowl Right Side	C	1	14156-001	5.4	78.4
71-03	Lower Cowl Left Side	C	1	14157-001	5.4	78.4
71-04	Engine Baffling	C	1	13765-001	10.7	78.4
<b>72</b>	<b>Engine</b>	-	-	-	-	-
72-01	Engine Installation	C	1	13600-001	414.5	76.5
72-02	Induction Filter	C	1	BA-111	0.4	85.3
<b>73</b>	<b>Engine Fuel</b>	-	-	-	-	-
73-01	Engine Driven Fuel Pump	C	1	634530M	3.2	61.9
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
<b>74</b>	<b>Engine Ignition</b>	-	-	-	-	-
74-01	Spark Plugs	C	12	RHB32E	.25	78.4
74-02	Magnetos (L & R)	C	2	10-500556-1	11.5	74.5
74-03	Ignition Switch	C	1	50314-001	0.5	123.0
<b>77</b>	<b>Engine Indicating</b>	-	-	-	-	-
77-01	Tachometer	C	1	13559-001	0.5	118.7
77-02	EGT/CHT Gage	C	1	12616-001	0.5	119.0
77-03	CHT Sensor	C	1	12637-001	0.1	77.9
77-04	EGT Sensor Modified	C	1	12692-001	0.1	63.8
77-05	Man Press/Fuel Flow Gage	C	1	13558-001	0.5	118.8
77-06	MAP Sensor Assy	C	1	14251-001	0.3	76.8
77-07	Fuel Flow Sensor Assy	C	1	13916-001	0.3	83.9
77-08	Oil Temp / Pressure Gage	C	1	12619-001	0.5	119.2
77-09	Oil Pressure Sensor Assy	C	1	11825-001	0.2	86.0
77-10	Oil Temperature Sensor	C	1	12634-001	0.3	75.9

ATA/Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
<b>22</b>	<b>AutoFlight</b>	-	-	-	-	-
22-01	Sys 55X Autopilot Prgrmmr	S	1	13560-001	3.0	123.3
22-02	• Altitude Transducer	S	1	12722-001	0.2	112.4
<b>23</b>	<b>Communications</b>	-	-	-	-	-
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
<b>24</b>	<b>Electrical Power</b>	-	-	-	-	-
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	13470-001	7.5	98.0
24-04	Volt / Ammeter	C	1	12618-001	0.8	119.7
24-05	Battery 1	C	1	50366-001	28.0	96.0
24-06	Battery 2	C	1	50979-001	11.5	230.0
<b>25</b>	<b>Equipment &amp; Furnishings</b>	-	-	-	-	-
25-01	Emergency Locator Transmitter & Batteries	C	1	12756-001	3.6	228.8
25-02	Fwd Seat & Restraint Inst. (Std – add 0.4 lb each for leather upholstery)	C	2	13499-001	27.0	149.3
25-03	Rear Seat Installation (Std – add 0.4 lb each for leather upholstery)	C	2	12053-002	21.8	185.0
25-04	Rear Seat Restraint	C	2	12553-003	2.3	185.0
<b>26</b>	<b>Fire Protection</b>	-	-	-	-	-
26-01	Portable Fire Extinguisher	C	1	12533-001	1.5	137.6
<b>27</b>	<b>Flight Controls</b>	-	-	-	-	-
27-01	Flap Actuator, Modified	C	1	11787-002	4.4	173.9
27-02	Roll Trim Cartridge Assy	C	1	10780-004	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	10680-004	0.4	310.9
27-05	Pitch Tim Motor Assy	C	1	11794-004	1.3	303.5
27-06	Yaw Trim Cartridge Assy	C	1	11898-001	0.4	106.2

SYSTEMS DESCRIPTION  
 HANDLING, SERV & MAINT  
 SUPPLEMENTS

Cirrus Design  
SR22, S/N 0285

Weight & Balance  
Equipment List

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
<b>28</b>	<b>Fuel</b>	-	-	-	-	-
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
<b>29</b>	<b>Ice &amp; Rain Protection</b>	-	-	-	-	-
<b>31</b>	<b>Indicating &amp; Recording</b>	-	-	-	-	-
31-01	Annunciator Panel	C	1	11837-003	0.3	117.2
31-02	Hourmeter	S	1	50485-001	0.1	142.3
<b>32</b>	<b>Landing Gear</b>	-	-	-	-	-
32-01	Main Gear Assembly	C	2	13877-001/-002	34.0	157.5
32-02	Main Gear Strut Fair Upper	S	2	13397-001/-002	4.1	157.5
32-03	Main Gear Strut Fair Lower	S	2	13443-001/-002	4.2	157.5
32-04	Main Gear Fairing Wheel	S	2	14196-001/-002	4.2	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 Gear Assembly	C	1	14082-001	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
<b>33</b>	<b>Lights</b>	-	-	-	-	-
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	S	1	12580-001	1.9	80.0

P/N 13772-EL 0285  
30 July 2002

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
<b>78</b>	<b>Engine Exhaust</b>	-	-	-	-	-
78-01	Muffler	S	1	14050-002	6.2	75.0
78-02	Tailpipe	S	1	13529-001	2.0	100.0
<b>79</b>	<b>Oil</b>	-	-	-	-	-
79-01	Engine Oil Cooler	S	1	10281A	7.8	86.5
79-02	Oil Filter	S	1	CH48108	1.5	78.4
<b>80</b>	<b>Starting</b>	-	-	-	-	-
80-01	24-volt Starter	S	1	655566	6.60	85.0
<b>95</b>	<b>Special Equipment</b>	-	-	-	-	-
95-01	Packed Parachute (CAPS)	C	1	14242-001	54.0	235.5
95-02	Airplane Flight Manual	C	1	13772-001	1.2	-

DESCRIPTION  
HANDLING, SERV  
& MAINT  
SUPPLEMENTS