## MODELS 210R/T210R CENTURION/TURBO CENTURION

## **WEIGHT AND BALANCE DATA**



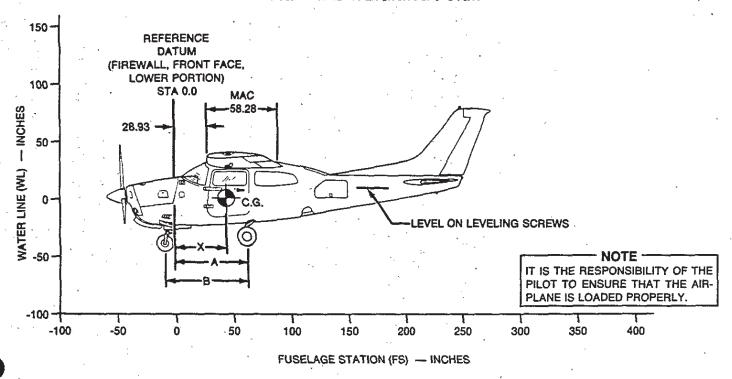
SERIAL NUMBER \_\_\_\_21064969

**REGISTRATION NUMBER** 

N7584U

DATE \_\_1-24-86

#### AIRPLANE WEIGHING FORM



#### LOCATING CG WITH AIRPLANE ON LANDING GEAR

FORMULA for Longitudinal CG

.(65.0) (Nose Gear Net Weight)( ) X (B) Inches (38.992 ) Aft of Nose and Main Landing Gear Weight Totaled( Datum (2559)

#### **MEASURING A AND B**

MEASURE A AND B PER PILOT'S OPERAT-ING HANDBOOK INSTRUCTIONS TO AS-SIST IN LOCATING CG WITH AIRPLANE WEIGHED ON LANDING GEAR

#### LEVELING PROVISIONS

LONGITUDINAL - LEFT SIDE OF TAILCONE AT FS 166.05 & 194.45

#### LOCATING PERCENT MAC

FORMULA for Percent MAC

CG Percent MAC = (CG Arm of Airplane) - 28.93

#### AIRPLANE AS WEIGHED TABLE

POSITION	SCALE READING	SCALE DRIFT	TARE	NET WEIGHT
LEFT SIDE	813			813
RIGHT SIDE	828			828
NOSE	918			918
AIRP	2559			

#### BASIC EMPTY WEIGHT AND CENTER-OF-GRAVITY TABLE

ITEM	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT (INCH-POUNDS/1000)
AIRPLANE (GALCULATED OR AS WEIGHED)			
(INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	2559	39.0	99.8
DRAINABLE UNUSABLE FUEL AT 6.0 POUNDS PER GALLON			
STANDARD-TANKS (3 GALLONS)		<del>38.0-</del> -	
LONG RANGE TANKS (5 GALLONS)	30	38.0	1.14
			·
Shortages	30.3	70.8	2.14
BASIC EMPTY WEIGHT	2619.3	39.3	103.1

CESSNA AIRCRAFT COMPANY, AIRCRAFT DIVISION, P.O. BOX 7704, WICHITA, KANSAS 67277

#### CESSNA MODEL 210 TURBO CENTURION EQUIPMENT LIST

AIRCRAFT SERIAL NO. 21064969 FAA REGISTRATION NO. N7584U

CHG 04**A** 

THE FOLLOWING IS A LIST OF EQUIPMENT INSTALLED IN THE AIRPLANE WHEN DELIVERED BY THE MANUFACTURER. AN ASTERISK (\*) INDICATES EXCHANGE WEIGHT.

FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT(LB)	ARM(IN)
1\$	KRA-10A RADAR ALT W/KING AVN.			5.8	123.6
1T	400 ENCOD. ALT. (IN OF MERC)			2.8	16.3
4K	DUAL ALTERNATORS28 VOLT.60 AMP		*	25.7	-21.6
5	ARMRESTS, INBOARDPILOT, COPILOT			1.5	37.0
12P	CLOCK/FUEL COMPUTER		*	1.2	-13.1
14	FIRE EXTINGUISHER (HAND)			5.5	35.0
16A	DETECTORS NAV. LIGHTS			0.2	41.2
210	CUP HOLDERS (PILLOT/COPILOT)			0.2	17.0
21P	APPROACH PLATE HOLDER			0.1	22.0
22B	PROP. ANTI-ICE (ELECTRIC)			7.4	-25.6
23	LIGHT, ICE DETECTION, LH			0.6	9.6
25D	FUEL TANKS (EXTENDED RANGE)		*	16 1	39.4
26	DE-ICE PARTIAL PLUMBING			4.2	48.9
33	TRUE SPEED IND.		*	0.1	18.0
39	GROUND SERVICE PLUG			2.0	-4.5
410	VAC. SYS. DUAL PUMP		*	4.3	1.6
45G	HEADREST (PILOT/COPILOT)			1.8	48.0
45K	HEADREST (3RD & 4TH)			1.8	82.0

AIRCRAFT SERIAL ND. 21064969 FAA REGISTRATION NO. N7584U

PAGE 2

FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT(LB)	ARM(IN)
46	HEATING SYS (STALL & PITOT)			0.6	33.5
46D	ANTI-ICE WINDSHILD			2.1	9.2
55Q	LIGHTS, ELECTROLUMINESCENT			2.3	17.5
56A	BEACON LIGHT (OMNI-FLASH)			1.9	210.3
56B	STROBE LIGHT			3.8	42.5
57	COURTESY LIGHTS			0.5	51.4
6000	74 C.F. DXYGEN SYSTEM, OVERHEAD			50.6	55.6
62B	ENGINE PRIMING SYSTEM			2.5	1.6
. 73G	SEAT PILOT VERT & LUMBAR ADJ		*	1.9	-16.2
73K	SEAT PSNGR VERT & LUMBAR ADJ		*	6.9	27.4
86R	RETRACTABLE CABIN STEP	:		3.5	42.0
X88	RH WRITING TABLE			6.5	61.5
95B	WINDOW, HINGED	_		2.3	47.0
140	LOCATOR BEACON	·		3.0	159.0
1445	400B INTERGRATED FLT CONTL SYS		*	38.5	77.3
193R	REMOTE TRSPDR SWITCH			0.2	22.5
260	KING PACKAGE			43.8	29.4
797F	CDT.GRAY ALL METAL INSTR PANEL			-1.0	19.4

3

FACTORY KIT

ITEM

PART NUMBER

QTY WEIGHT(LB) ARM(IN)

TOTAL OPTIONAL EQUIPMENT WEIGHT

251.22 LB MOMENT 10367.66 IN-LB

INSTALLATION APPROVAL OF EQUIPMENT INCLUDED IN THIS LIST IS MAINTAINED EITHER BY THE MANUFACTURER'S STC WITH THE APPROVAL NUMBER NOTED WITH EQUIPMENT OR IN THE MANUFACTURER'S TYPE DESIGN FILE IN ACCORDANCE WITH DELEGATION OPTION AUTHORIZATION CE-

R. D. Hank Executive Engineer Cesana Aircraft Co., Aircraft Div

De egation Option Manufacturer, CE-1

By Carl J. Gerker

#### CESSNA MODEL 210 TURBO CENTURION EQUIPMENT LIST

04	CHG	•	N7584U	REGISTRATION NO.	AIRCRAFT SERIAL NO. 21064969 FAA
11.75 1		(IN-LB)		(LB)	
		٥.	MOMENT	0.	STANDARD LICENSED EMPTY WEIGHT (OPERATIONAL)
		10368.	MOMENT	251.	TOTAL OPTIONAL EQUIPMENT WEIGHT
		0.	MOMENT	0.	UNUSABLE FUEL WEIGHT
		10368.	MOMENT	251.	ANTICIPATED AIRCRAFT WEIGHT

# Cessna Aircraft Company AIRCRAFT WEIGHT RECORD

Rev. 6-21-78

	·					Form I-116
MODEL	SERIAL NUMBER		WE	IGHED BY		DATE
T210	64969		Kr	PAINS		1-17-6
	M	EASUREM	(1)(1)	70		*
65			B =			
Firewall to	C/L Main Wheels					Main Wheels
SCALE POSITION	ON SCALE READING	TARE	NET W		ARM	MOMENT
LEFT MAIN				/3		
RIGHT MAIN		1		8	$\times\!\!\times\!\!\times\!\!\times$	
NOSE or TAIL				8		
	XXXX TOTAL NET WEI		25			
- ITEMS WE	GHEDNOT INCLUDED	IN STAN	DARD AI	RPLANE	<del></del> -	
ITEM		WEI	HT	ARM		MOMENT
FUEL	O Gals.					
FUEL TEMP.	° F.			·		
OIL	// Qts.					
PAINT BAR	e XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
M.E.O.	* * * * * * * * * * * * * * * * * * *				<b>_</b>	
OPT. EQUIP.						
	XXX TOTAL -		<u> </u>			
+ ITEMS NOT	WEIGHEDINCLUDED	IN STAN	DARD AI	RPLANE		
SHORT	AGE ITEMS	WEI	GHT	ARM		MOMENT
Fine Ext	& RRKT	5.	5			193
Head Rests	YEA	3,			1	234
OKNOON m.	A-sks		5			107
Table- Wait	ting TC/4	6.	<u> </u>			400
Paint	•	131			1	1216
****	^^^				<u> </u>	
	XXXX TOTAL +					
	<u> </u>	WEI	GHT	ARM		MOMENT
TOTAL NET WE	IGHT					
ITEMS WEIG						
+ ITEMS NOT						
STANDARD A	IRPLANE	<u> </u>				

	EQUIPMENT SERIAL NUMBERS	rage 1 or 2
	SERIAL <u>64969</u>	registration <u>N7584U</u>
ENGINE—#1 530/09 #2_	N/A PROPELLER—#	1 <u>851362</u> #2 <u>N/A</u>
MISCELIANEOUS MAGNETOS #1. #2. PROP GOVERNOR. STARTER. VACUUM PUMP. CARBURETOR METERING UNIT. TURBO. ENGINE FUEL PUMP. WASTEGATE VALVE. ALTERNATOR. AIR CONDITIONER COMPRESSOR. TURBO RELIEF VALVE. TURBO CONTROLLER. ELECTRIC VACUUM PUMP. FUEL SHUT-OFF VALVE. AUX. FUEL PUMP. MAIN GEAR. NOSE GEAR. GEAR SELECTOR VALVE.	L 5090052 R 5090054 L R 1 85059   2 1 W188599 2 1 11A A 5055 2 8F6071 1 K188501 A 2 1 0 E 0 113 2 1 K168506B 2 1 0 D 0163 2 1 R 1 NG0110 2 1 0 G0156 2  L R 1 L R 1 L R 1 L R 1 C14258 R 614228 9075 6720	L R L R 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 1 2 1
LANDING GEAR ACTUATOR.  NOSE GEAR ACTUATOR.  POWER PACK.  DOWN LOCK ACTUATOR.  HAND PUMP (HYDRAULIC).  CARRY-THRU SPAR.  KEYS.  DIGITAL CLOCK.  STROBE LIGHT POWER SUPPLY.  DE-ICE SOLENOID VALVES.	2902 248 L 7064 R 7066 6579 4702 ASC-94 01359 L 824256 R 824257	L R R
WING	L R T/C BELLY	T/C R BEILY
YAW DAMPENER		
AUTOPILOT ROLL ACTUATOR. PITCH ACTUATOR. PITCH TRIM ACTUATOR. COMPUTER AMPLIFIER. CONTROLLER. ACCELEROMETER. PITCH TRIM SENSOR. MODE SELECTOR. ALTITUDE SENSOR. ALTITUDE ALERT SYS SLAVING ACCESSORY.  BATTERY. G-METER.	13140 Mount 30735 304 9844 10270 2928 3299 9134 1-6222A G0841264	
SYNCHROPHASER  FORM 1-278 REVISED 1-23-84	INSTECTOR COLUMN	2-5-86 DATE

AIRCRAFT MODEL T210	SERIAL <u>64969</u>	registration N7584U
INSTRUMENTS	*	
E.G.T. GAGE	197073	'
TURN COORDINATOR	197073 AD85-8033	
TURN & BANK/YAW DAMPENER	7.m. (137 (197 (197 (197 (197 (197 (197 (197 (19	
HORIZON GYRO	T4198F	
DIRECTIONAL GYRO OR HSI	1-120009C	
BYNAVERTER Tachameter	103	
FLUX DETECTOR	H4994-H	
ALTIMETER	2A 805	
SENS. ALT. F/T DATE	12-1-85	*
VERT. SPEED IND	00396	
AIRSPEED IND	T32470	
ENCODING ALTIMIR S/N-F/T DATE	9144 11-6-85	
BLIND ENCODER S/N-F/T DATE	11-11 11 00	
CARTN RATE OF CHANGE		
CABIN RATE OF CHANGE. SUCTION.	C5561	
OUTFLOW VALVE		
SAFETY VALVE		
CABIN PRESSURE CONTROLLER.PNL		
RADAR ALTIMETER-R/T UNIT		
RADAR ALTIMETER—ANTENNA		
	, 6116	
RADAR ALTIMETER-INDICATOR	164123	
PRESSURE CONTROLLER RH. O. E Am	p 417	
PRESSURE SQLENOID VALVE	·	
CYLI Tempia Oil Tempi	1769	
	•	
AVIONICS	NO. 1 NO. 2	No. 1 No. 2
RMI		
NAV/COM TRANSCVR		
NAV INDICATOR		
COM TRANSVR		
NAV RECEIVER		
NAV/COM VOLT CONV		
VOR/LOC CONVERTER		
H.F. ANTENNA LOAD BOX		
H.F. PANEL UNIT		
H.F. POWER SUPPLY		
ADF RECEIVER		
ADF LOOP ANTENNA	18981	
ADF IND		
ADF GONIOMETER		
GLIDESLOPE RECEIVER		
MKR BCN RECEIVER		
TRANSPONDER R/T UNIT		
TRANSPONDER F/T DATE		
DME R/T UNIT		
DME CONTROL UNIT		
RADAR IND		
RADAR R/T UNIT		
R-NAV.		
E.L.T. S/N-F/T DATE	7979 June 87	
- RMI INVERTER		
TAIT THANHATHAN OF CORPORATE AND CORPORATE THE STREET,		
FORM I-278.1	Yarl Runn	2 201
PEVISED 10-04-84	Kapl Mensel	2-5-86

INSPECTOR

DATE

## KING AVIONICS EQUIPMENT SERIAL NUMBERS

AIRCRAFT MODEL 72/0

SERIAL 64767

REGISTRATION N75844

Description	Model No.	Serial Numbers			
	4	No. 1	No. 2	No. 1	No. 2
ADF RECEIVER ADF INDICATOR ADF LOOP ANTENNA	KR-87 KI-227 KA-44B	24434 7799 18981			
XPDR R/T UNIT XPDR F/T DATE	KT-79	3008			
DME R/T UNIT DME INDICATOR	KN-63 KDI-5 <b>7</b> 2	5978 7689			
RMI UNIT	KI-229				
ADAR ALT R/T UNIT RADAR ALT ANTENNA RADAR ALT INDICATOR	KRA-10A KA-131 KI-250	12999 6838			
PHONE ANTENNA VOLT CONVERTER HANDSET	KT-96 KA-55 KA-39 KA-115				
NAV/COM/W/GLSP AUDIO MRK PNL INDICATOR	KX-165 KMA-24 KI-206	13385 20135 16090			
RNAV UNIT RNAV INDICATOR	KNS-81 KI-206	5462			
COMM RECEIVER	KY-196	18465			
RADAR INDICATOR BADAR R/T UNIT	KI-244 KA-126	-		<u> </u>	