

WinAIR
THE ISLAND CITY'S
FBO
106 GALEWSKI
WINONA, MN 55987
(507) 452-2220

JULY 16, 2024 REVISED EQUIPT. & WGT. & BAL.
REPLACEMENT OF AIRCRAFT ELT

MAKE: CESSNA 177RG N1843Q SERIAL NUMBER 177RG0243

	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
A/C EMPTY WGT. (09-21-2023)	1,739.00	104.00	180,833.00
REMOVE NARCO ELT 10	- 3.30	201.20	- 663.96
INSTALL ACK ELT 04	+ 1.80	201.20	+ 362.16
NEW A/C EMPTY WEIGHT DATA	1,737.50	103.90	180,531.20

NORMAL CATEGORY

NEW A/C EMPTY WEIGHT:	1,737.50	LBS
A/C GROSS WEIGHT	2,800.00	LBS
NEW A/C USEFULL LOAD	1,062.50	LBS
NEW A/C E.W.C.G	103.90	INCHES



G. BOLON A&P 1646618

07-16-2024

Aircraft Weight and Balance Revision

Tail Number: N1843Q				Date: 09/21/23	
Prepared by: Blue Airways W7145 148th Ave Bay City, WI 54723				Work Order No: BA0809231843Q	
				Type Certificate Data No:	
Aircraft Make: Cessna	Model: 177RG	Serial No: 177RG0243	Time: 10:53am		
Registered Owner: DANA JOHNSON		Address: 494 KERRY CT WINONA, MN 55987-2156			
Maximum Weight 2,800.00		CG Range FWD AFT			
As Received; Date of Previous Weight and Balance: 11/9/2021		Useful Load: 1,055.39	EW: 1,744.61	EWCG: 104.54	Moment: 182,381.37
Notes:					
			Weight	Arm	Moment
Starting W&B			1,744.61	104.54	182,381.53
Removed Aft Power Supply/Omini Flasher			-3.10	302.10	-936.51
Removed Tail Beacon			-1.00	297.50	-297.50
Removed Wing Tip Lights			-0.76	106.50	-80.94
Removed Strobe Power Supply			-2.00	194.50	-389.00
Removed Landing and Taxi Lights			-1.40	24.40	-34.16
Installed LED wing tip Nav lights			0.58	106.50	61.77
Installed LED Tail Beacon			0.30	297.50	89.25
Installed LED landing and Taxi Lights			1.60	24.40	39.04
					0.00
☒ As Calculated ☐ As Weighed	Moment 180,833 Weight 1,739		New Empty Weight CG 104.0		New Useful Load 1,061
Signature					
Repair Agency or License No: Brian Alcorn A&P 2851995 IA					

Clear Wt & Arm

320-253-0480 ph
800-328-2346 ph
320-253-2540 fax

Certificate Number

1544 45th Ave SE
St. Cloud MN 56304

St. Cloud
Aviation
CRS# BDKR393C

320-253-0480 ph
800-328-2346 ph
320-253-2540 fax

**WEIGHT AND BALANCE DATA
AND EQUIPMENT LIST AMENDMENT**

Aircraft Make/Model
Registration Number

Cessna / 177RG
N1843Q

Date 4/5/2018

Serial Number 177RG0243

		Previous Empty Weight & Center of Gravity		
Installed Equipment	Removed Equipment	Weight	Arm	Moment
		1762.65	103.95	183234.90
	GMA340 Audio Panel	-2.00	72.00	-144.00
	GNS530W GPS Nav Com	-8.50	70.00	-595.00
	GTX330 Transponder	-4.50	68.50	-308.25
	GI106A Indicator	-1.50	72.00	-108.00
	Vacuum pump	-2.20	50.50	-111.10
	Vac reg. hoses, Stby vac	-3.30	60.00	-198.00
	5000B-4 Horizon	-1.80	70.00	-126.00
	G-520A Directional Gyro	-3.10	70.00	-217.00
	AR850 Encoder	-1.00	73.00	-73.00
GMA350C Audio Panel		2.40	72.00	172.80
GTN750 GPS Nav Com		9.30	70.00	651.00
GTX345R ADS-B Transponder		2.91	69.00	200.79
GAE-12 Encoder		0.10	66.00	6.60
G5 Attitude Indicator		1.00	74.00	74.00
G5 D. G. Indicator		1.00	74.00	74.00
GAD29B Adaptor for G5		0.65	73.00	47.45
GMU11 Magnetometer		0.30	126.00	37.80
Totals		1752.41	104.21	182618.99

Gross Weight

2800.00

New Empty Weight

1752.41

New Empty Weight C.G.

104.21

New Useful Load

1047.59

Jim Fairchild

Authorized Personnel Signature

*Superseded
8/21/20*

BDKR393C

Certificate Number

