

N676CH WEIGHT AND BALANCE WORKSHEET

OWNERS MANUAL EXAMPLE (NOT EQUAL TO N676CH WEIGHTS)

| | WEIGHT | ARM | MOMENT* |
|-------------------------------------|-------------|--------------|--------------|
| EMPTY WEIGHT (LICENSED)..... | 1392 | 39.22 | 54.6 |
| FUEL (38 GALLONS MAX)..... | 228 | 47.81 | 10.9 |
| PILOT & FRONT PASSENGER..... | 340 | 37.06 | 12.6 |
| REAR PASSENGERS..... | 340 | 72.94 | 24.8 |
| **BAGGAGE AREA 1 (120 LBS MAX)..... | | 95.00 | |
| **BAGGAGE AREA 2 (50 LBS MAX)..... | | 123.00 | |
| TOTAL | 2300 | 44.74 | 102.9 |

N676CH EXAMPLE PILOT & PASSENGER WITH FULL FUEL

| | WEIGHT | ARM | MOMENT* |
|-------------------------------------|-------------|-------------|-------------|
| EMPTY WEIGHT (LICENSED)..... | 1459 | 39.05 | 57.0 |
| FUEL (38 GALLONS MAX)..... | 228 | 46.00 | 10.5 |
| PILOT & FRONT PASSENGER..... | 330 | 37.00 | 12.2 |
| REAR PASSENGERS..... | | | |
| **BAGGAGE AREA 1 (120 LBS MAX)..... | 15 | 95.00 | 1.4 |
| **BAGGAGE AREA 2 (50 LBS MAX)..... | | | |
| TOTAL | 2032 | 39.9 | 81.1 |

N676CH CURRENT FLIGHT WORKSHEET

| | WEIGHT | ARM | MOMENT* |
|-------------------------------------|--------|--------|---------|
| EMPTY WEIGHT (LICENSED)..... | 1459 | 39.05 | 57.0 |
| FUEL (38 GALLONS MAX)..... | | 46.00 | |
| PILOT & FRONT PASSENGER..... | | 37.00 | |
| REAR PASSENGERS..... | | 73.00 | |
| **BAGGAGE AREA 1 (120 LBS MAX)..... | | 95.00 | |
| **BAGGAGE AREA 2 (50 LBS MAX)..... | | 123.00 | |
| TOTAL | | | |

* MOMENTS ARE SHOWN DIVIDED BY 1000

** THE COMBINED MAXIMUM ALLOWABLE BAGGAGE WEIGHT FOR AREA 1 AND AREA 2 IS 120 LBS

***DATA INCLUDES SOME ESTIMATIONS AND IS TO BE USED AS
REFERENCE/TRAINING ONLY; REFER TO AIRCRAFT POH FOR OFFICIAL
PERFORMANCE DATA***

N676CH

WEIGHT AND BALANCE

CHEAT SHEET

AIRPLANE FACTS

| | | |
|----------------------|------|-----------|
| BASIC EMPTY WEIGHT | 1459 | LBS |
| MAXIMUM GROSS WEIGHT | 2300 | LBS |
| TOTAL FUEL | 42 | GAL |
| USEABLE FUEL | 38 | GAL |
| FUEL WEIGHT | 6.0 | LBS / GAL |

BASIC EQUATIONS

MOMENT/1000 = (WEIGHT * ARM) / 1000
 CENTER OF GRAVITY (CG) = TOTAL MOMENT / TOTAL WEIGHT

CALCULATED DATA

| | | |
|---|--------|-----|
| TOTAL USEFUL LOAD (PILOT, PASSENGERS, BAGGAGE, USEABLE FUEL) | 841.00 | LBS |
| AVAILABLE LOAD WITH FULL FUEL (PILOT, PASSENGERS, BAGGAGE) | 613.00 | LBS |
| AVAILABLE LOAD WITH 20 GAL (PILOT, PASSENGERS, BAGGAGE) | 721 | LBS |

CENTER OF GRAVITY LIMITS

| | | |
|--------------------------------|-------------|--------|
| AT 2300 LBS (MAX GROSS WEIGHT) | 38.5 – 47.2 | INCHES |
| AT 2100 LBS | 36.5 – 47.2 | INCHES |
| AT 1800 LBS | 35.0 – 47.2 | INCHES |

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 PERFORMANCE DATA***