

WT & BAL

@ 8,000 lbs = +18.0" ↔ +24.0"
 @ 6,980 lbs = +18.0" ↔ +28.0"

Air Tractor 502B

SN# 502B-0329

NG1805

(03 MAY 2012) Empty Weight = 4,778.0 lbs × 22.80" = 108,900 in/lbs
 MGW = 8,000.0

WT × ARM = Moment

Max 85 persons = 170
 164 gal

EW

4,778.0 lbs × 22.80" = 108,900 in/lbs

Pilot

174 lbs

+107" / 74" = 12,876 in/lbs

Optional Tank installed

Fuel

871.0 ↔ 938.0 lbs

× +120" / 33.0" = 28,743 ↔ 30,951

Fut Load

2,700.0 lbs

× +12.0" = 32,400 in/lbs

* 8,523.0 (8,574.0) *

182,919 ↔ 185,130

CG 21.46" ↔ 21.59"

91°F = 32.2°C

@ 8,000 lbs

* 2600' ↔ 3000'

for T/O @ 10° flaps

≈ 500' PA

Climb Rate ≈ 780 fpm @ 8,000 lbs

over 50' obstacle

DA = 2300 - 2700 DA
 PA 485 - 615'
 29.72
 V_y = 96 kts / 111 mph

Conditions
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→ ISA

→ M.C. Power

→ Flaps Up

* Performance will deteriorate substantially w/ increased in outside air temperature

□ WT @ T/O 8,523 lbs ↔ 8,574 lbs

□ CG is still w/in limits @ that GW

280 lbs/in × 2" = 560 lbs

?? +22" Aft @ 8,560 lbs Theoretical

□ Optional 170 gal / 164 gal Usable installed placards only