

WEIGHT & BALANCE

Worksheet Super DC-3

N28TN

Notes:

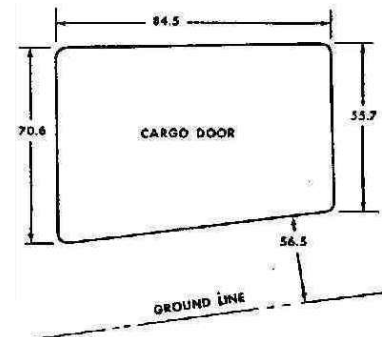
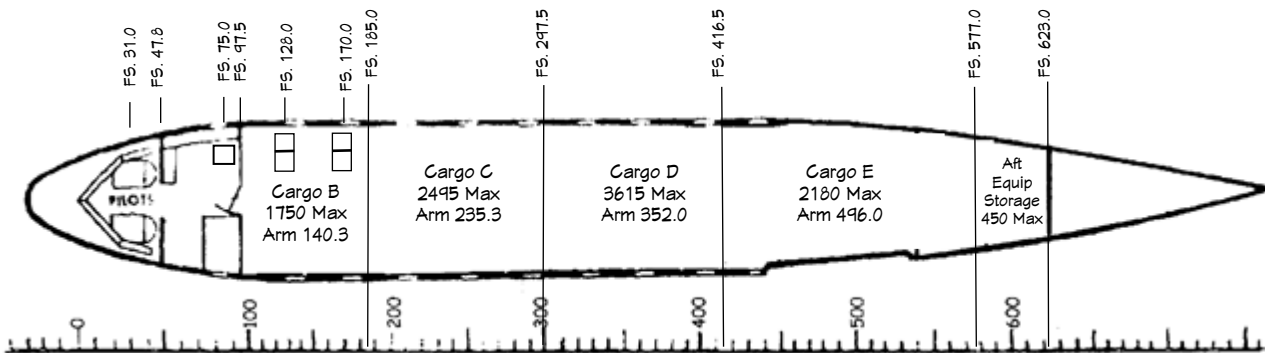
- C.G. Range with LG DOWN 244.6 - 282.3
- C.G. Range with LG UP 240.4 - 280.8
- Weight and CG for this Configuration = LG Down
- MAX Payload (per STC) 7,500 lbs.
- Reference AFM for Cargo Loading Limitations
- Cockpit Jump seat may be occupied for T.O. or landing.
- Aft Double seats 40# ea (add 40# to occupant wt)
- Full Oil is 55.5 gal oil @ 7.5 lb/gal (A/C wt - 50 gal)
* AC weight is with normal 25 gal per side
- Full Alcohol 20 gal @ 6.6 lb/gal (AC weight = empty)
- Winch 115 lbs mounted at Sta. 90.0 or stowed at Sta. 616.0
- Fuel: FWD - 404 gal capacity 389 gal usable
AFT - 400 gal capacity 382 gal usable
Wings - 822 gal capacity 818 gal usable

Item	Weight	x Arm	= Moment
Aircraft As weighed	20,931.0	244.39	5,115,415
Flight Crew		31.0	0
Jump Seat		75.0	0
Area A (radio rack)		80.0	0
Fwd Double (40#)		126.0	0
Aft Double (40#)		170.0	0
Winch (115#) Mounted		105.0	0
Area B (1840 max)		140.3	0
Area C (2937 max)		235.3	0
Area D (3364 max)		352.0	0
Area E (1969 max)		496.0	0
Aft Equip (450 max)		600.0	0
Fdw Ctr Fuel		240.5	0
Aft Ctr Fuel		275.9	0
Wing Fuel		272.1	0
Oil		185.0	0
Alcohol		420.0	0
Survival Gear			0
Winch (115#) Stowed		616.0	0
Stowed Equip		600.0	0
TOTALS --->			

Gear DN C.G. -->

Gear UP C.G. -->

Aircraft Scale Weighed Date: Oct. 2, 2024
Revision Date: n/a



Model Super DC-3
Take-Off Performance
Minimum Take-Off Runway Length

