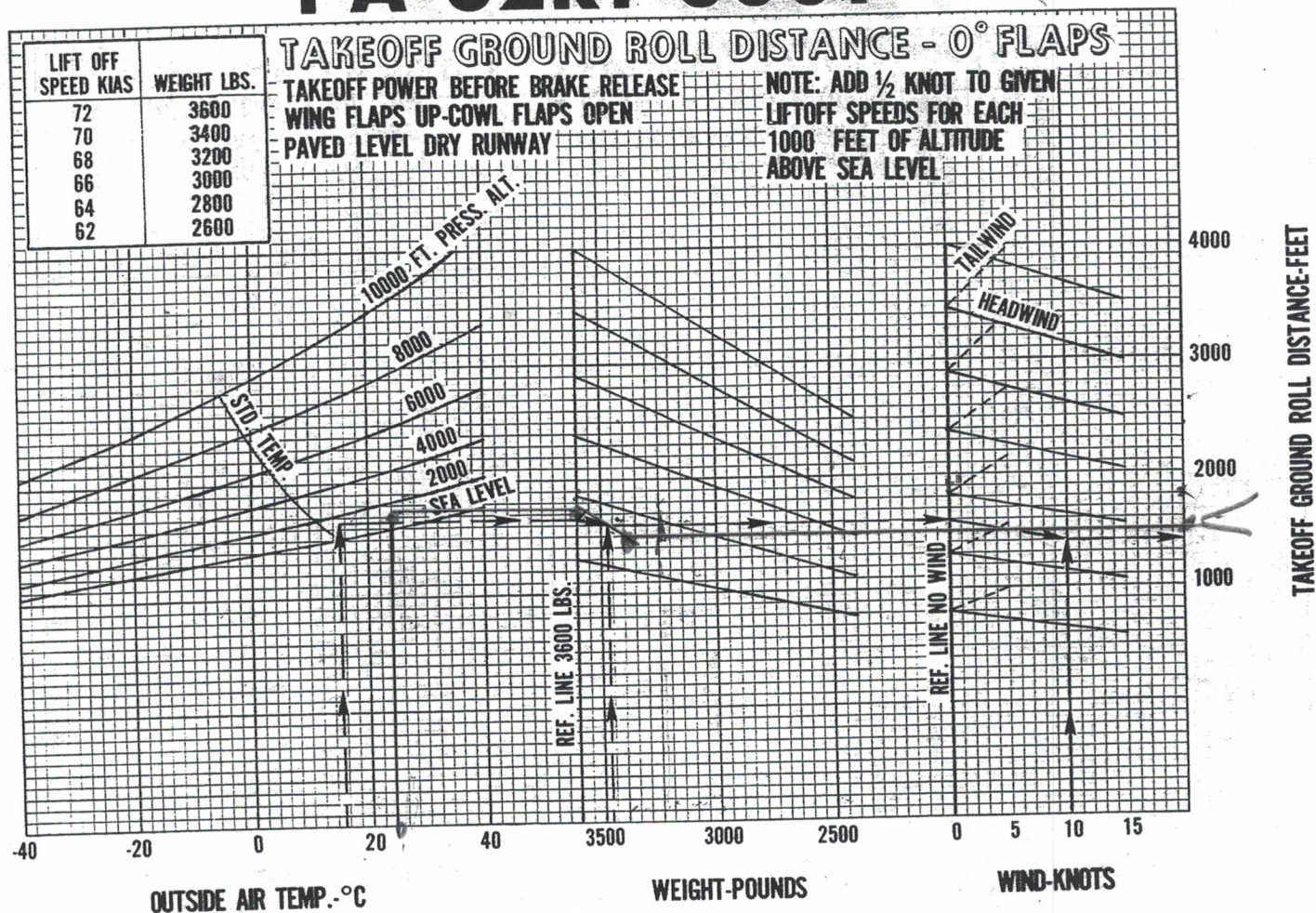


PA-32RT-300T



Example:

Airport pressure altitude: 1400 ft.
O.A.T.: 15° C
Takeoff weight: 3480 lbs.
Wind component: 10 kts. headwind
Takeoff ground roll dist.: 1400 ft.

73° F - 22° C
3472 LBS
Wind CALM 280° - 320°
N30 EL. 1357
Density ALT 1227
1500' - 1600' Ground Roll

TAKEOFF GROUND ROLL DISTANCE - 0° FLAPS

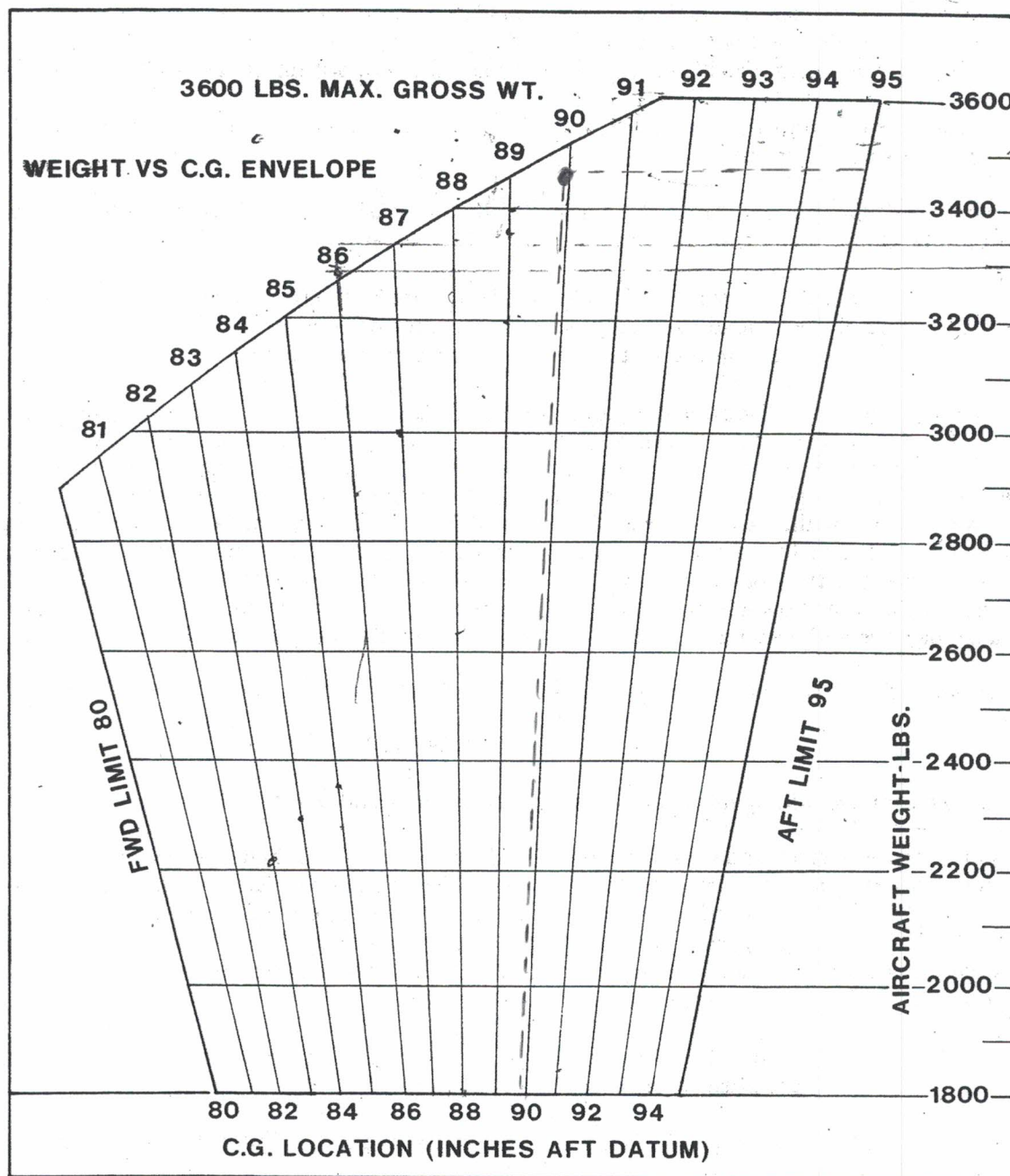
Figure 5-9

	Weight (Lbs)	Arm Aft Datum (Inches)	Moment (In-Lbs)
Basic Empty Weight	2300.7	83.74	192660.61
Pilot and Front Passenger	392	85.5	33516.0
Passengers (Center Seats) (Forward Facing)		118.1	
Passengers (Center Seats) (Aft Facing) (Optional)	213	119.1	25368.3
Passengers (Rear Seats)	152	157.6	23995.2
Passenger (Jump Seat) (Optional)	0	118.1	
Fuel (94 Gallon Maximum)	360	93.6	33696
Baggage (Forward) (100 Lb. Limit)	55	42.0	2310
Baggage (Aft) (100 Lb. Limit)	0	178.7	
Moment due to Retraction of Landing Gear			819
Total Loaded Airplane	3472.7	89.94	312365.11

Totals must be within approved weight and C.G. limits. It is the responsibility of the airplane owner and the pilot to insure that the airplane is loaded properly. The Basic Empty Weight C.G. is noted on the Weight and Balance Data Form (Figure 6-5). If the airplane has been altered, refer to the Weight and Balance Record for this information.

WEIGHT AND BALANCE LOADING FORM

Figure 6-11



Moment change due to retracting landing gear = +819 in-lbs.

3472.7 LBS. 89.94 inches

C.G. RANGE AND WEIGHT

Figure 6-15