

**N41585**  
TAS 130 Knots

Aircraft Type	PA-28R-200
Empty Weight	1664.9 lbs.
Max Takeoff Weight	2650 lbs
Max Ramp Weight	2650 lbs
Useful Load	985.10 lbs
Total Fuel (50 Gallons)	300 lbs
Useable Fuel (48 Gallons)	288 lbs

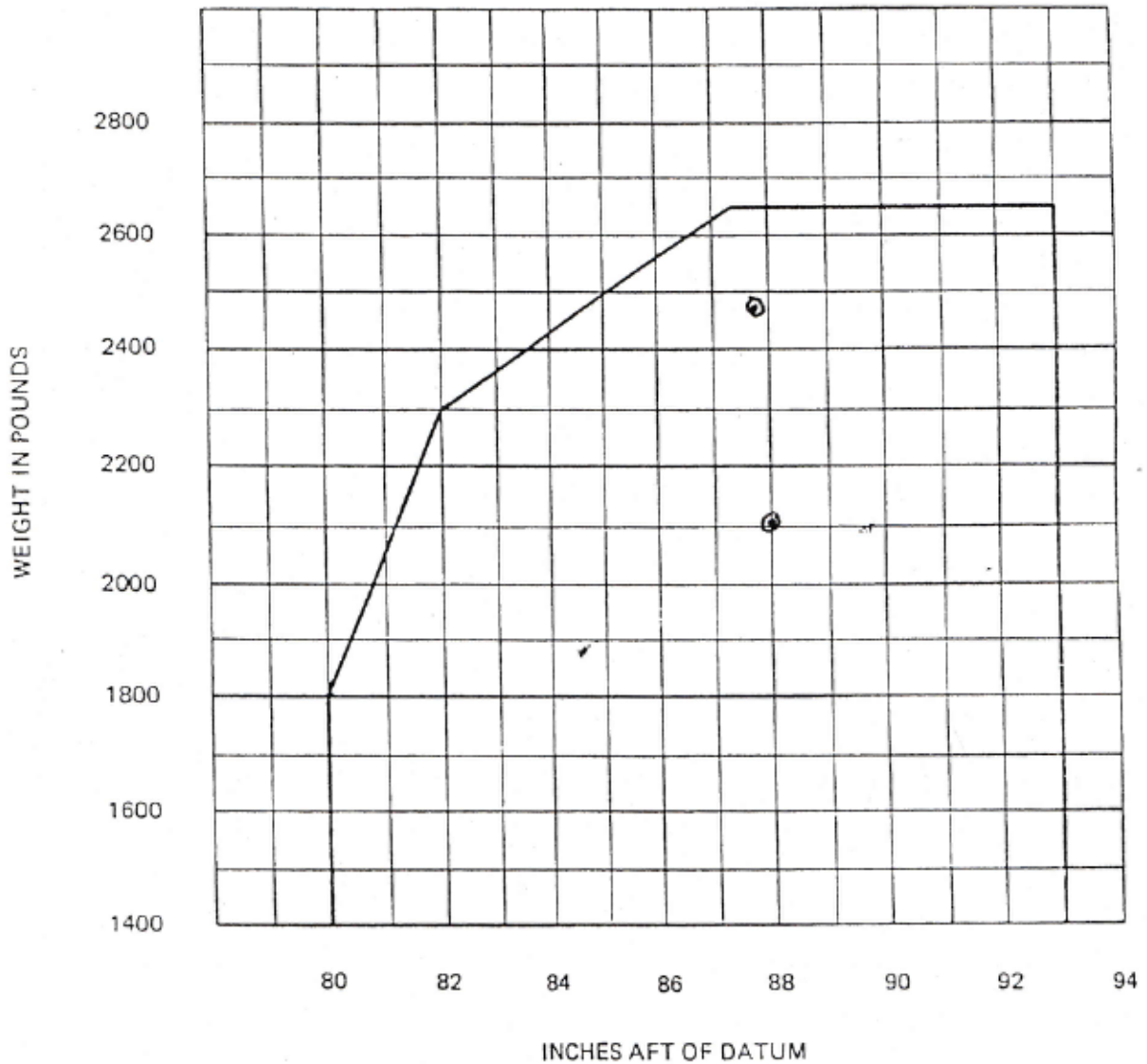
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	Arm	Moment
Aircraft	87.35	145429.01
Pilot / Front Passengers	80.5	
Rear Passengers	118.1	
Baggage	142.8	
Fuel	95.0	

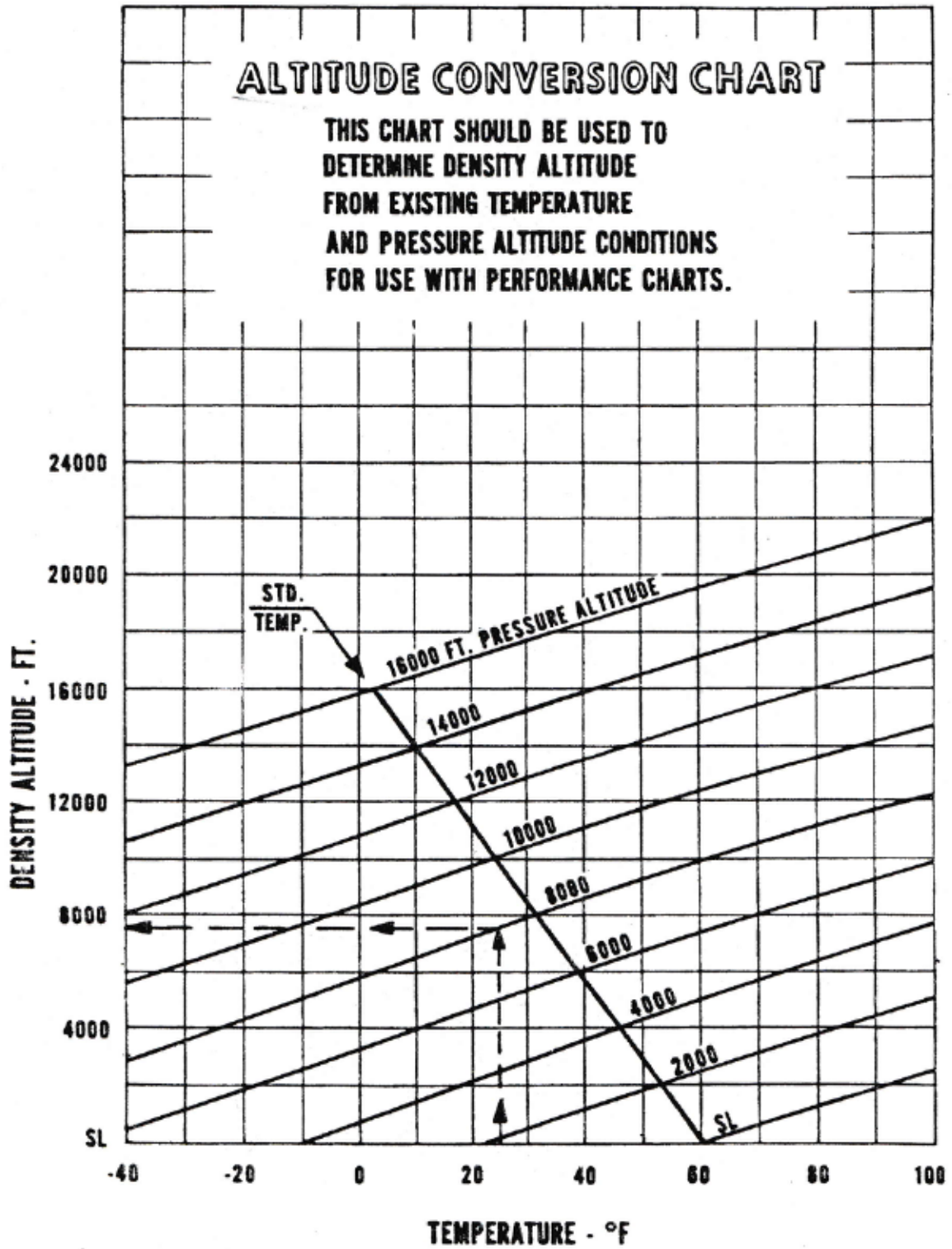
Updated as of 05/11/2006

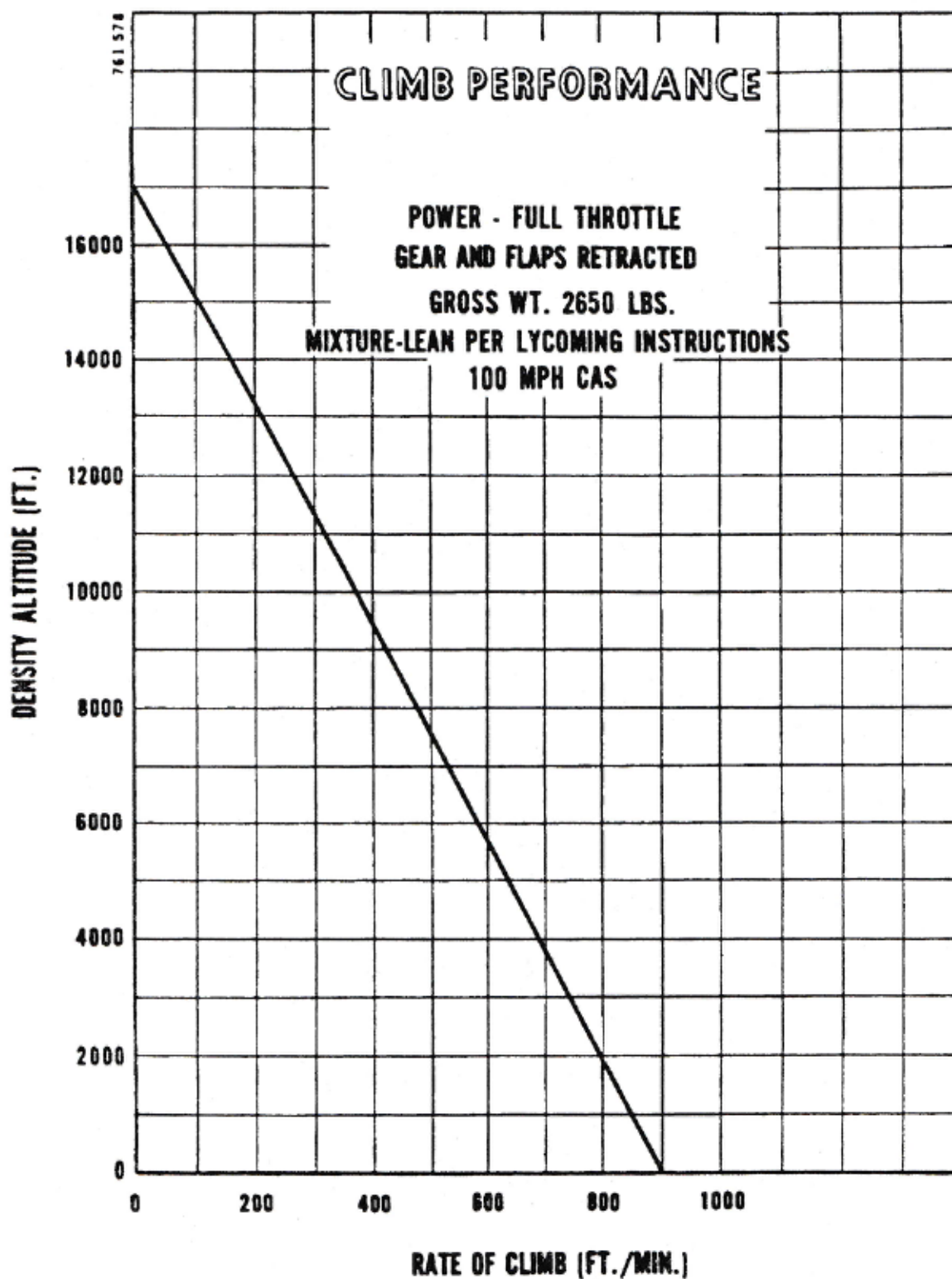
IT IS THE RESPONSIBILITY OF THE OWNER AND PILOT TO ASCERTAIN THAT THE AIRPLANE ALWAYS REMAINS WITHIN THE ALLOWABLE WEIGHT VS. CENTER OF GRAVITY ENVELOPE WHILE IN FLIGHT.

### C. G. RANGE AND WEIGHT



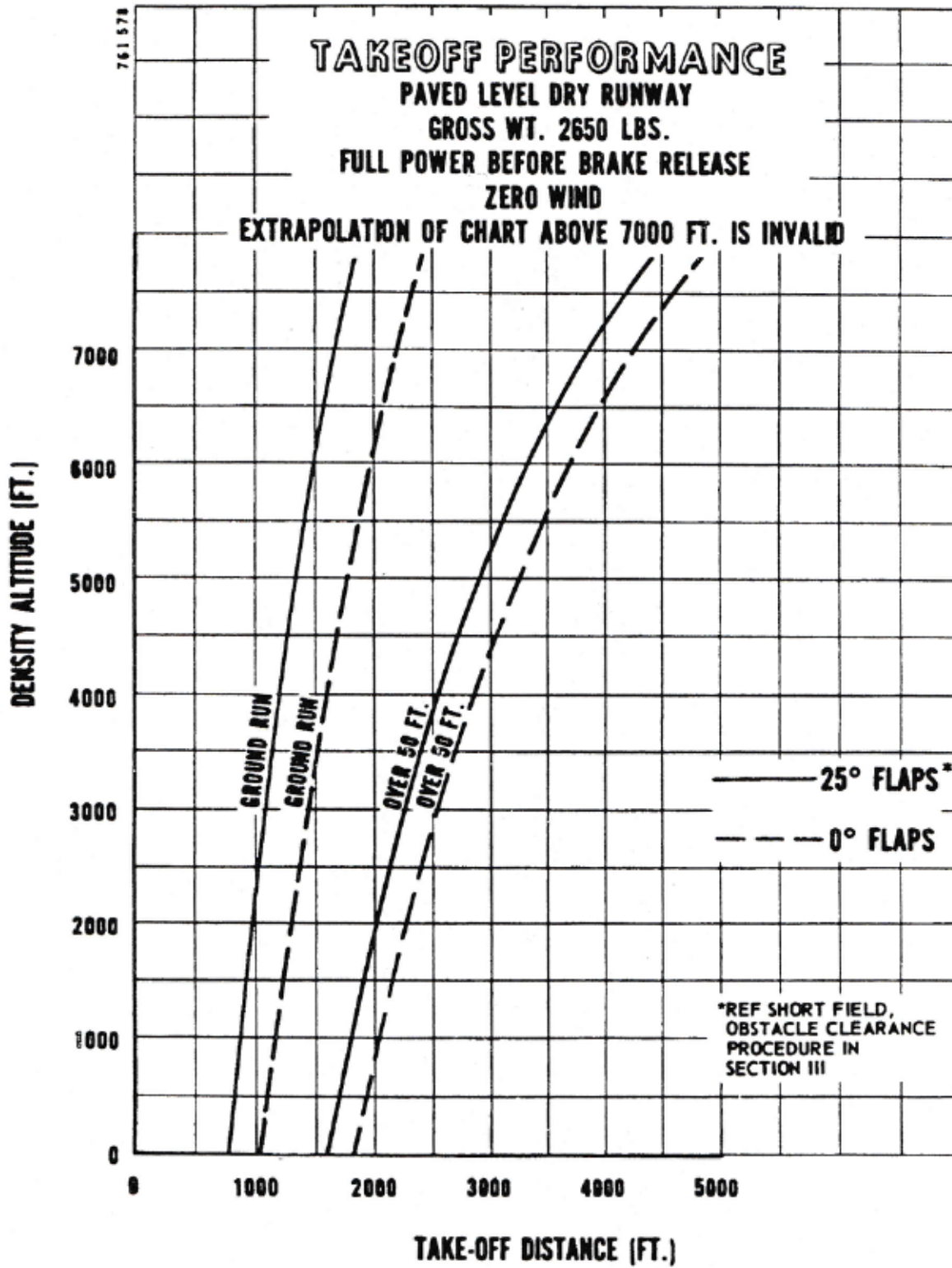
MOMENT DUE TO RETRACTING LANDING GEAR = +819 IN - LBS



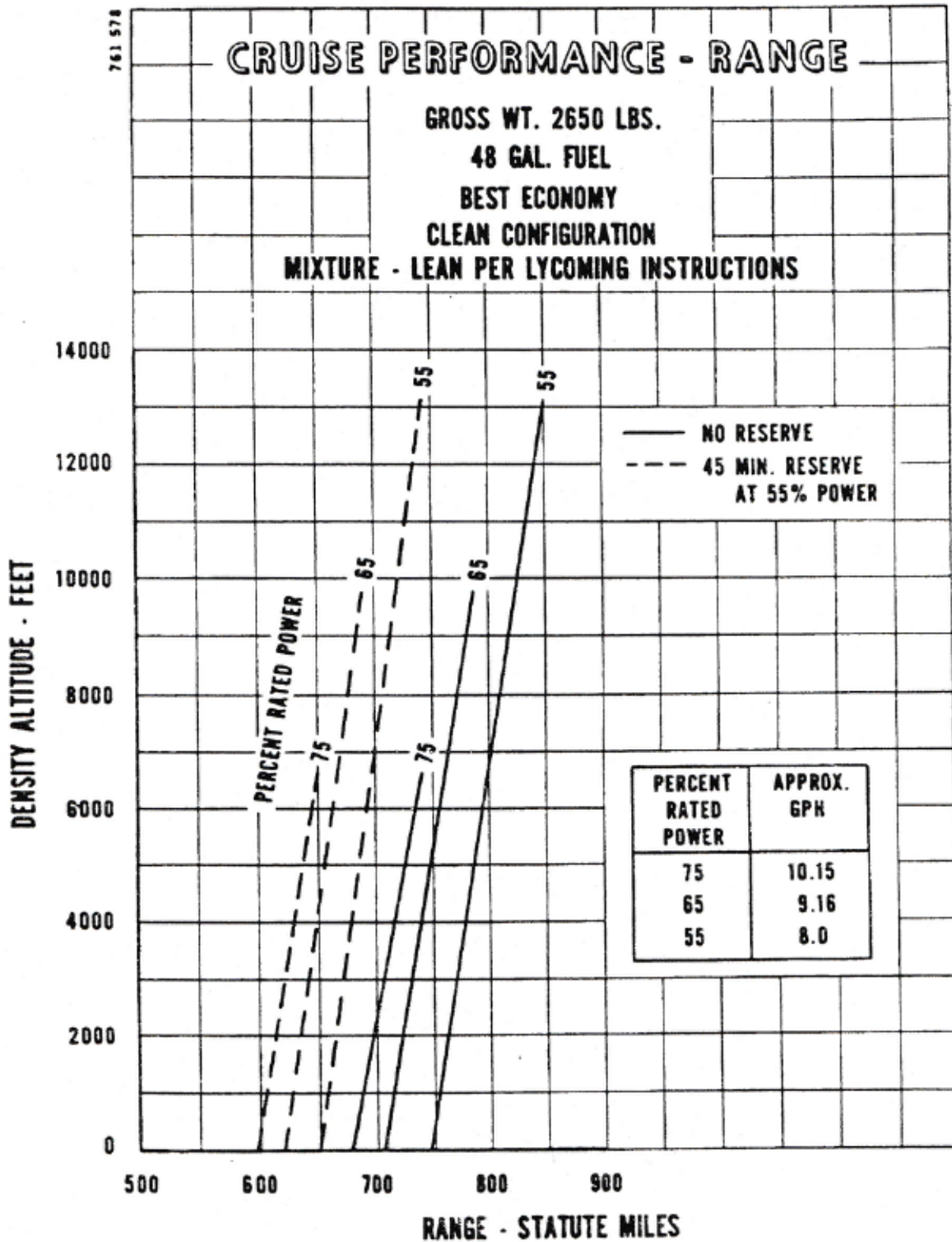


NOTE: SEE SECTION 7 FOR EFFECTS OF AIR CONDITIONING  
INSTALLATION ON PERFORMANCE.

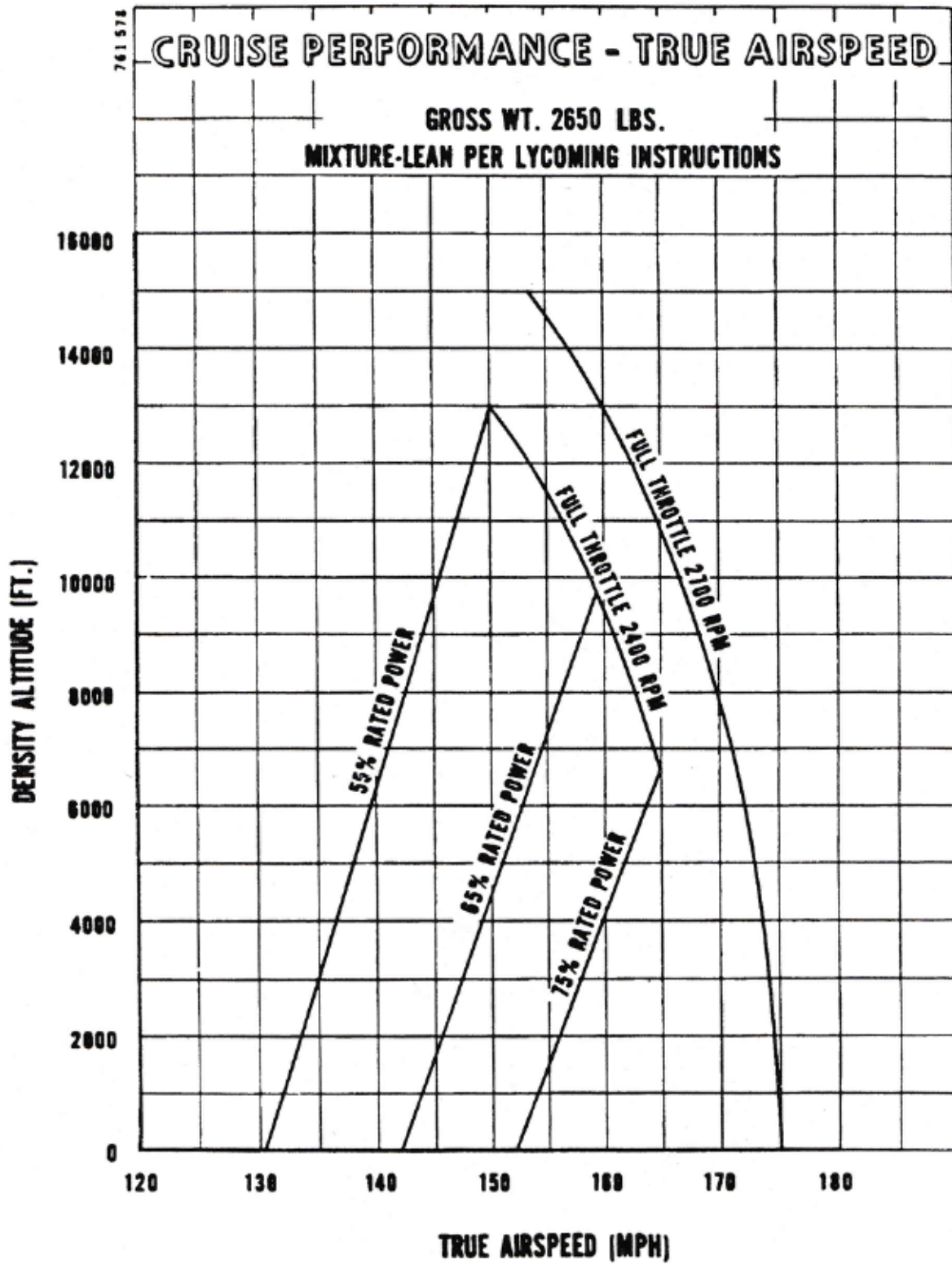




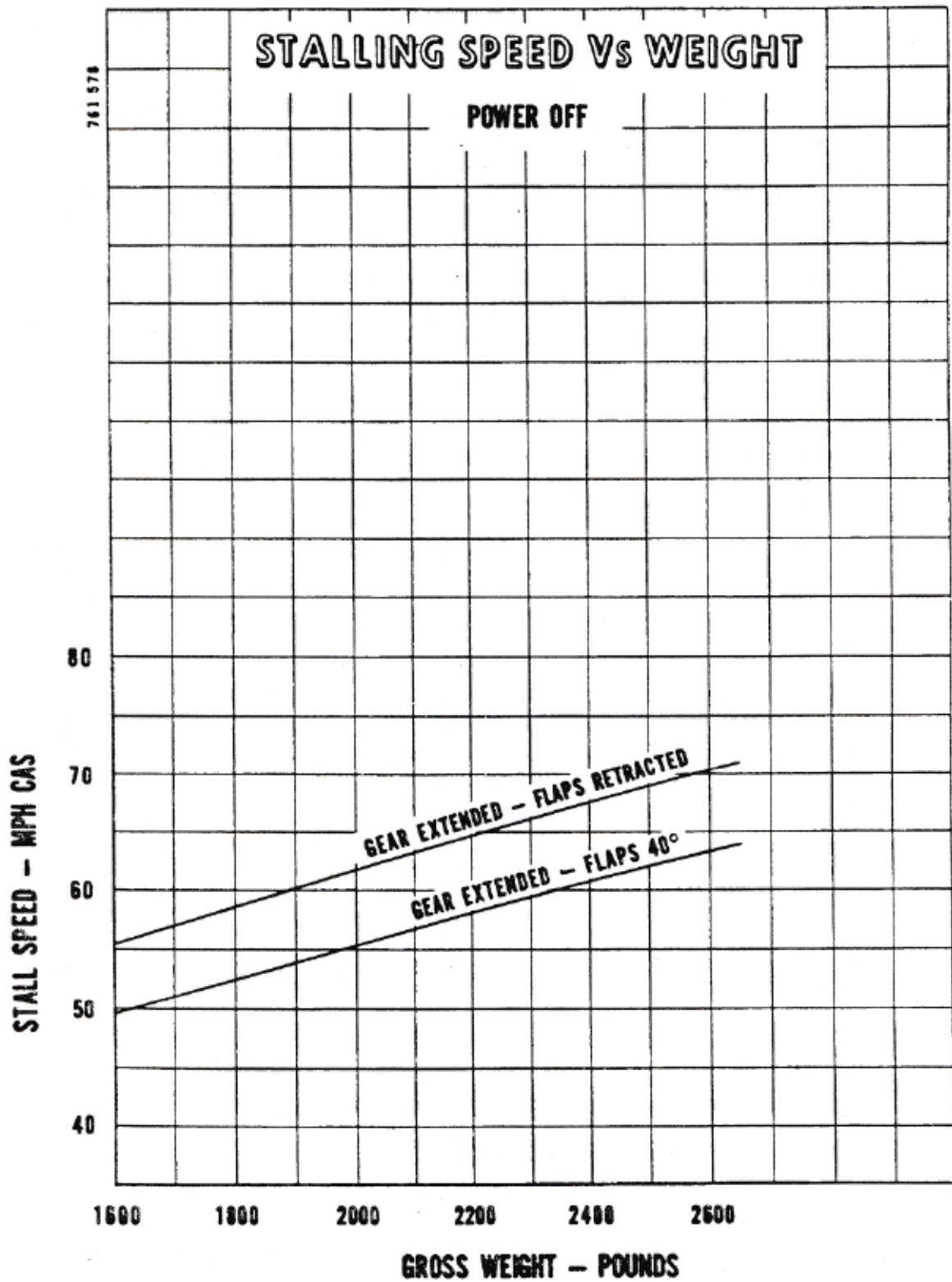
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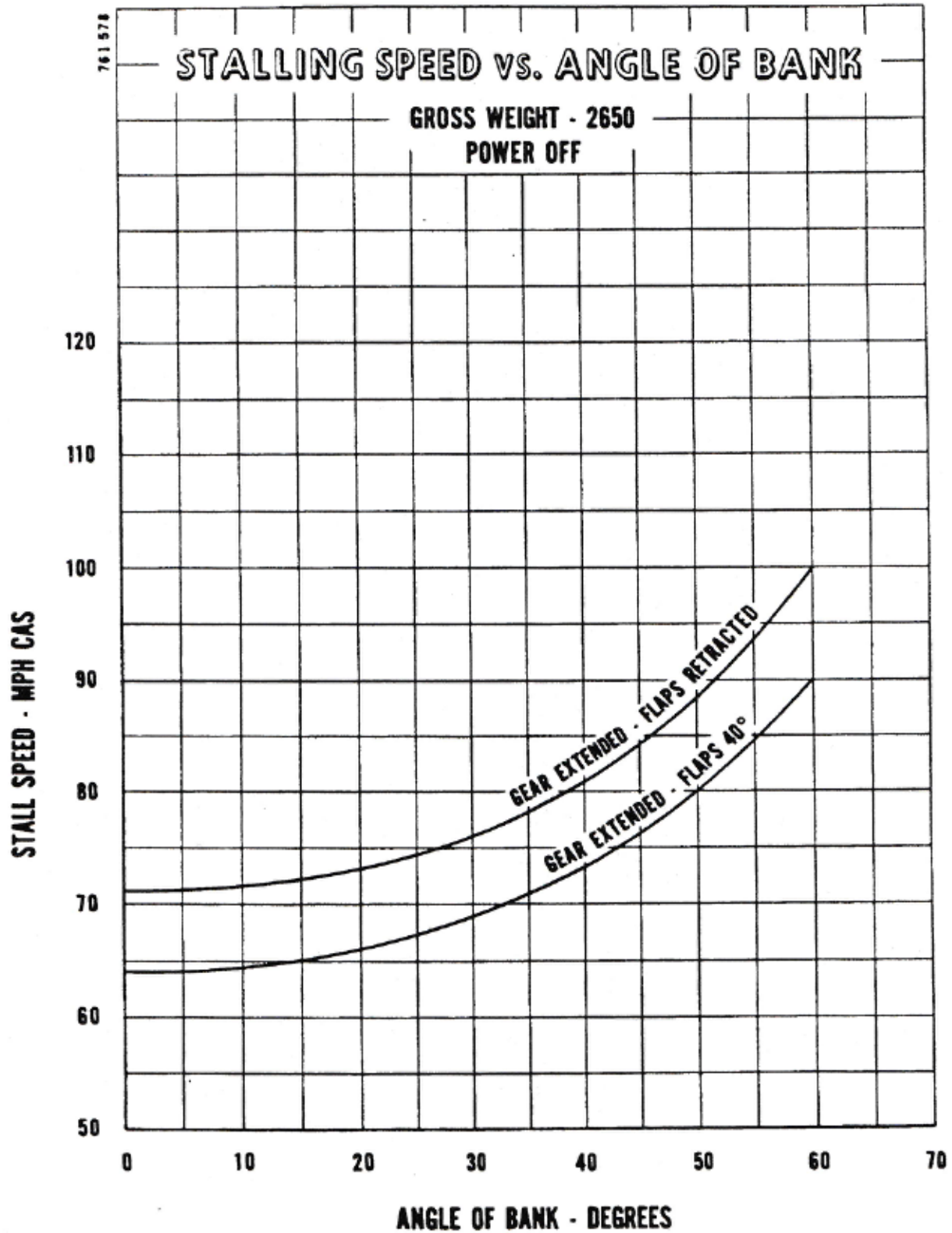
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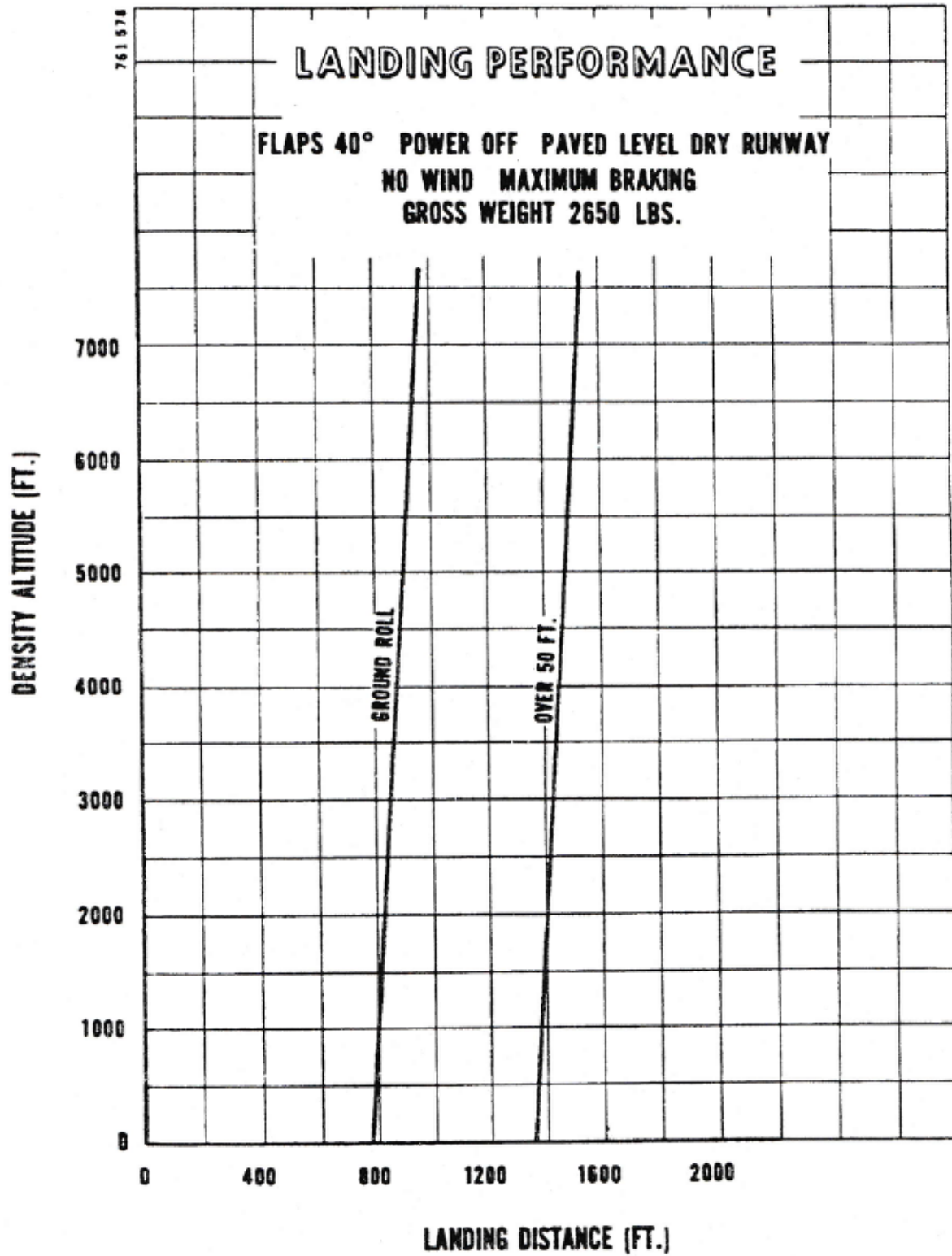


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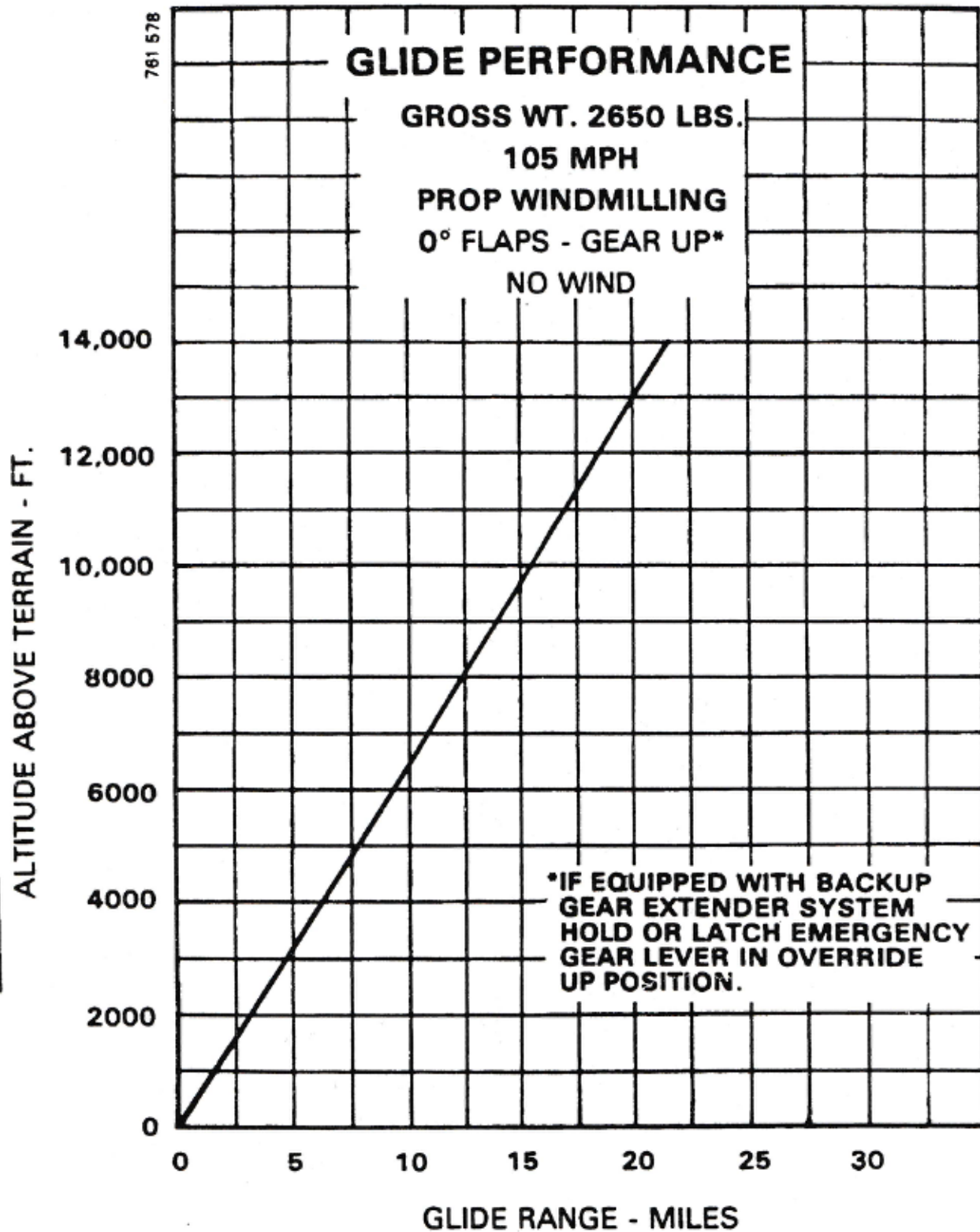








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Power Setting Table - Lycoming Model IO-360-C Series, 200 HP Engine

Press. Alt Feet	Std. Alt Temp ° F	110 HP - 55% Rated RPM AND MAN. PRESS.		130 HP - 65% Rated RPM AND MAN. PRESS.		150 HP - 75% Rated RPM AND MAN. PRESS.		Press. Alt Feet
		2100	2400	2100	2400	2100	2400	
SL	59	22.9	20.4	25.9	22.9	25.5	24.4	SL
1,000	55	22.7	20.2	25.6	22.7	25.2	24.4	1,000
2,000	52	22.4	20.0	25.4	22.5	25.0	24.4	2,000
3,000	48	22.2	19.8	25.1	22.2	24.7	24.4	3,000
4,000	45	21.9	19.5	24.8	22.0	24.4	24.4	4,000
5,000	41	21.7	19.3	FT	21.7	FT	24.4	5,000
6,000	38	21.4	19.1	--	21.5	--	--	6,000
7,000	34	21.2	18.9	--	21.3	--	--	7,000
8,000	31	21.0	18.7	--	21.0	--	--	8,000
9,000	27	FT	18.5	--	FT	--	--	9,000
10,000	23	--	18.3	--	--	--	--	10,000
11,000	19	--	18.1	--	--	--	--	11,000
12,000	16	--	17.8	--	--	--	--	12,000
13,000	12	--	17.6	--	--	--	--	13,000
14,000	9	--	FT	--	--	--	--	14,000

To maintain constant power, correct manifold pressure approximately 0.16" Hg for each 10°F variation in inlet air temperature from standard altitude temperature. Add manifold pressure for air temperatures above standard; subtract for temperatures below standard.