

Piper PA23-250

S/N 27-7954098

ATC Model PA27

Date:

PIC:

Item	Weight	Arm	Moment
Airplane	3440.3	91.0	313069.15
Pilots & Co-pilot		89	
2nd row seats		126.5	
3th row seats		157	
FWD Baggage		10	
Rear Baggage		183	
Fuel 144 Gal.		113	
Takeoff Weight & Balance			
Take Off Weight			
FUEL BURN Less Flight fuel		113	
Max landing 4940' Landing weight			
Max gross	5200	CG	

Center of Gravity Range (+99.0) to (+100.5) at 5,200 lb.
 (Gear Extended) (+97.0) to (+100.5) at 5,000 lb.
 (+87.6) to (+100.5) at 3,540 lb. or less

Baggage FWD (+10) 150 Max Weight
 Rear (+183) 150 Max Weight

Fuel 144 gal. (+)113

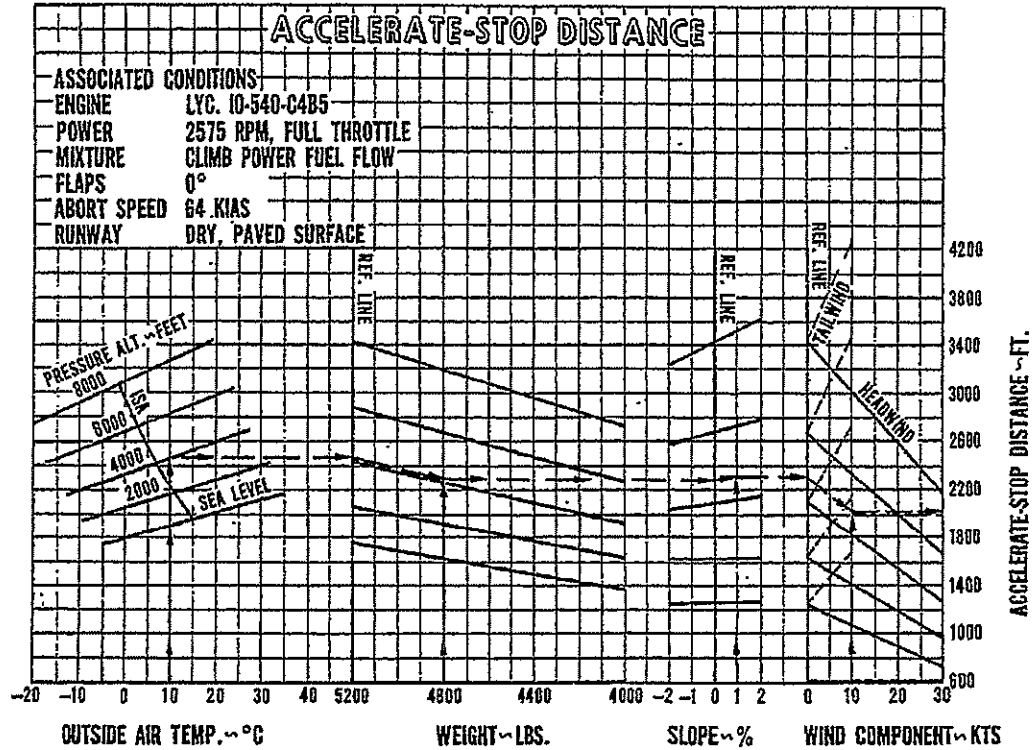
MAX Zero fuel weight 4400

zero fuel weight is the most an airplane can weigh when loaded with passengers and cargo with no usable fuel or oil onboard.

Checklist:

Safety	<input type="checkbox"/>	Glasses	<input type="checkbox"/>	Approach Charts	<input type="checkbox"/>
Flight Plan	<input type="checkbox"/>	Fuel	<input type="checkbox"/>	Taxi Diagram	<input type="checkbox"/>
Weather	<input type="checkbox"/>	Maps	<input type="checkbox"/>		<input type="checkbox"/>

PA-23-250 AZTEC F



Example:
 OAT = 10° C
 Pressure altitude = 4000 ft.
 Slope = +1.0%
 Weight = 4800 lbs.
 Wind = 10 kts.
 Accelerate - stop distance = 2020 ft.

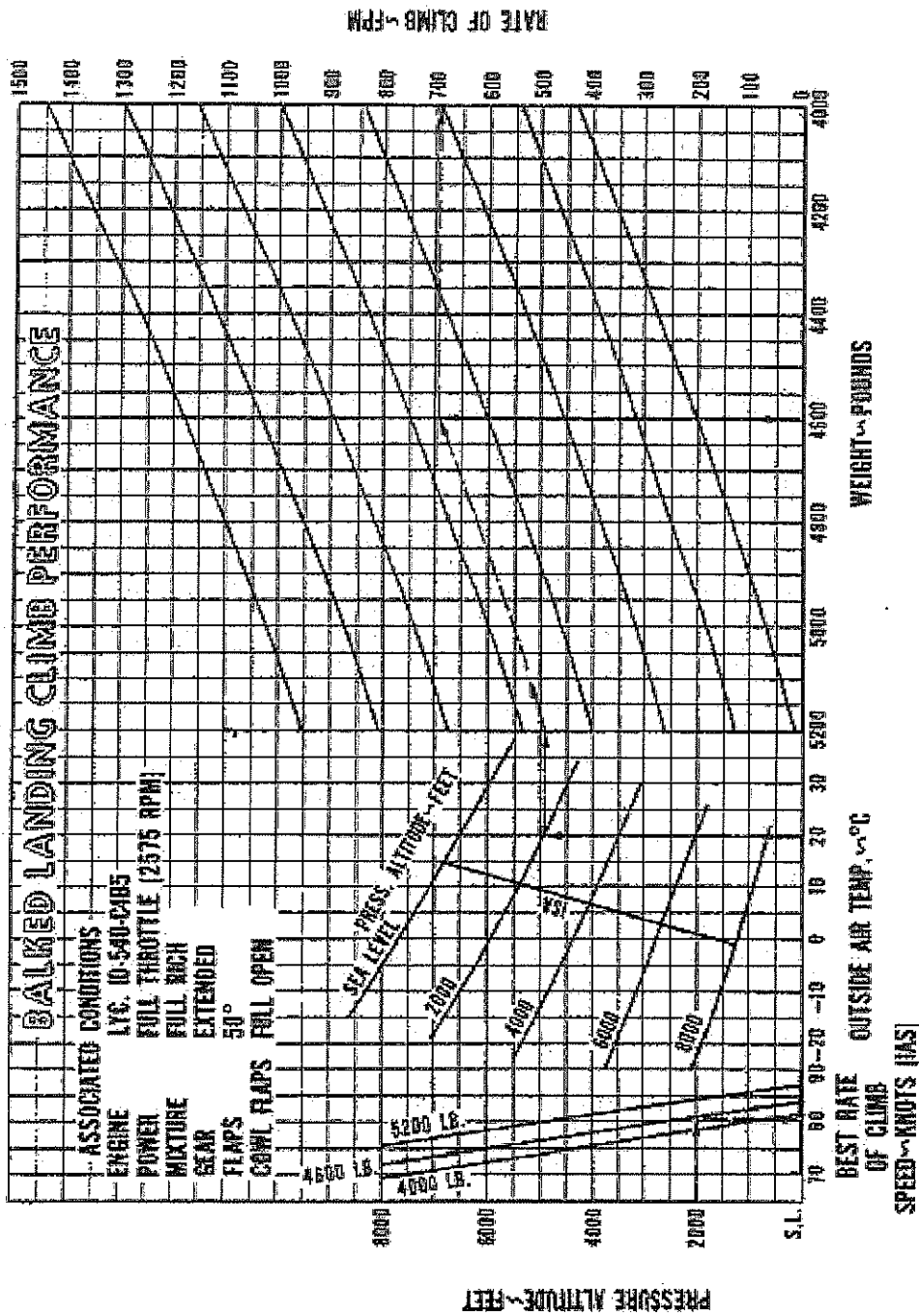
ACCELERATE - STOP DISTANCE

Figure 5-17

ISSUED: OCTOBER 1, 1975

REPORT: 1948
5-19

PA-23-250 AZTEC F

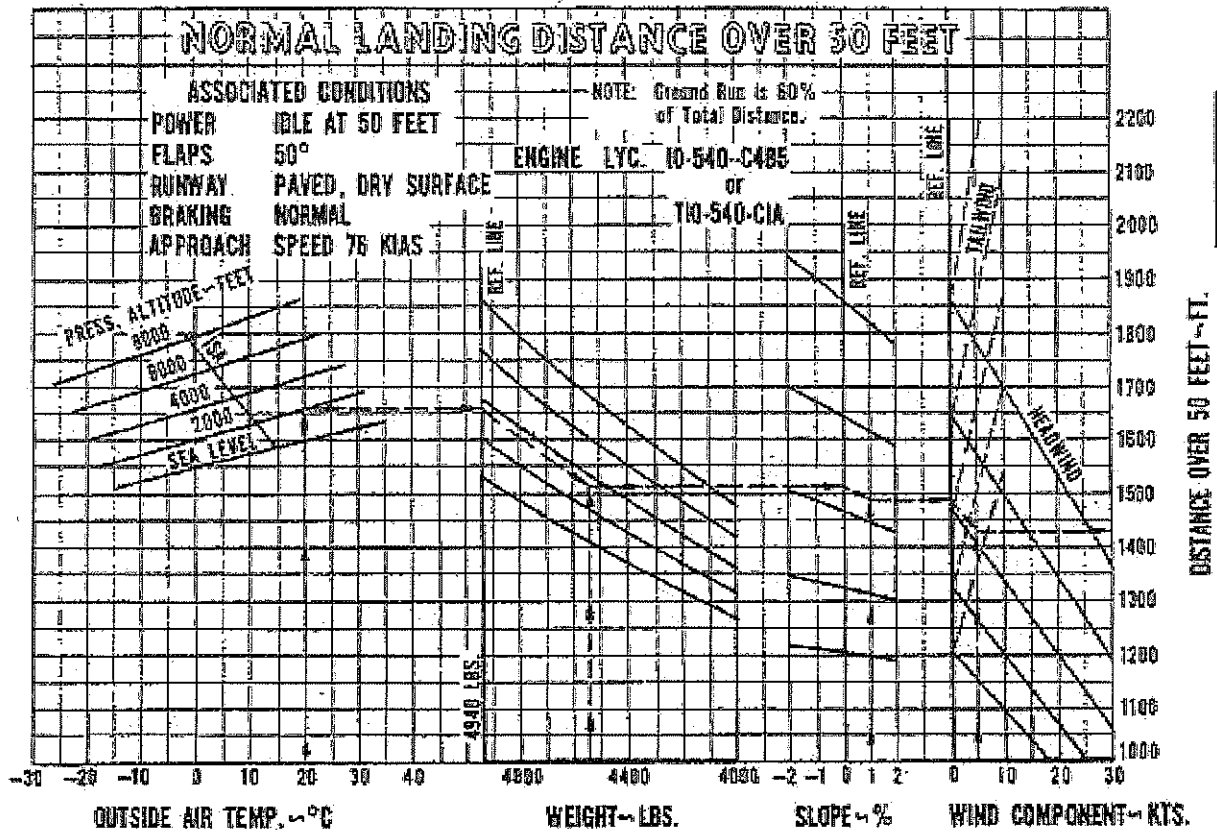


Example:
 OAT = 20° C Rate of climb = 690 FPM
 Pressure altitude = 2000 ft Climb speed = 80 KIAS
 Weight = 4600 lbs.

BALKED LANDING CLIMB PERFORMANCE

Figure 5-89

PA-23-250 AZTEC F



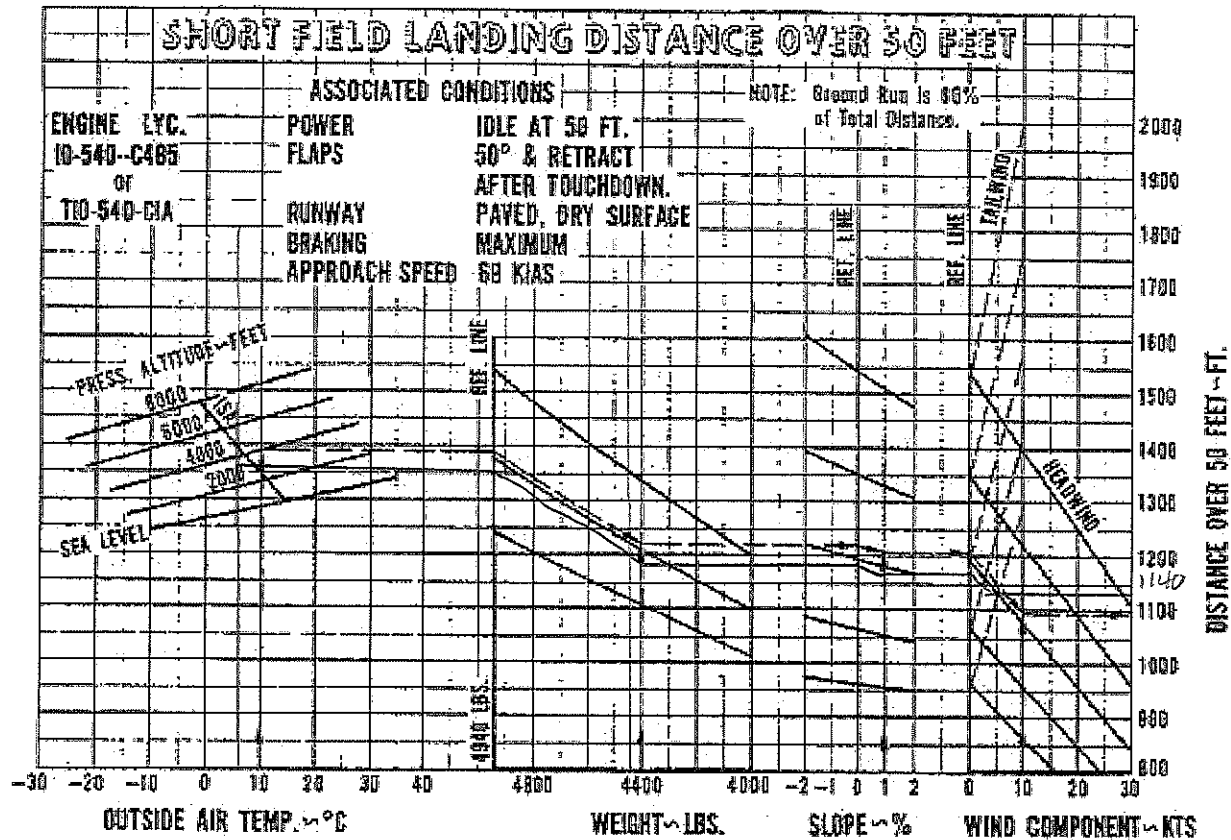
Example:

OAT	=	20° C
Pressure altitude	=	2000 ft.
Weight	=	4540 lbs.
Wind	=	5 kts.
Slope	=	+1.0%
Ground roll	=	860 ft.
Total distance	=	1430 ft.

NORMAL LANDING DISTANCE OVER 50 FEET

Figure 5-93

PA-23-250 AZTEC F

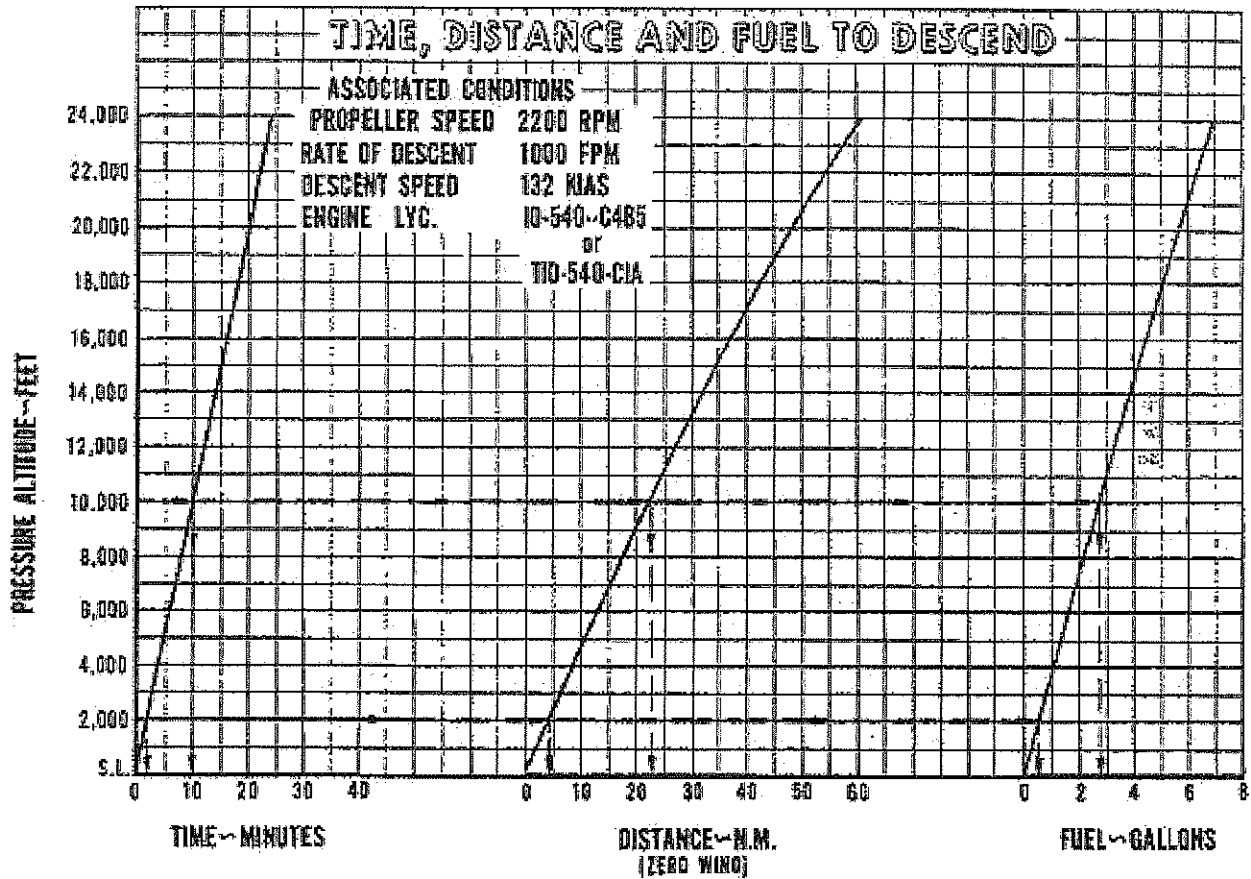


Example:
 OAT = 10° C
 Pressure altitude = 4000 ft.
 Weight = 4400 lbs.
 Wind = 10 kts.
 Slope = +1.0%
 Ground run = 655 ft.
 Total distance = 1090 ft.

SHORT FIELD LANDING DISTANCE OVER 50 FEET

Figure 5-95

PA-23-250 AZTEC F



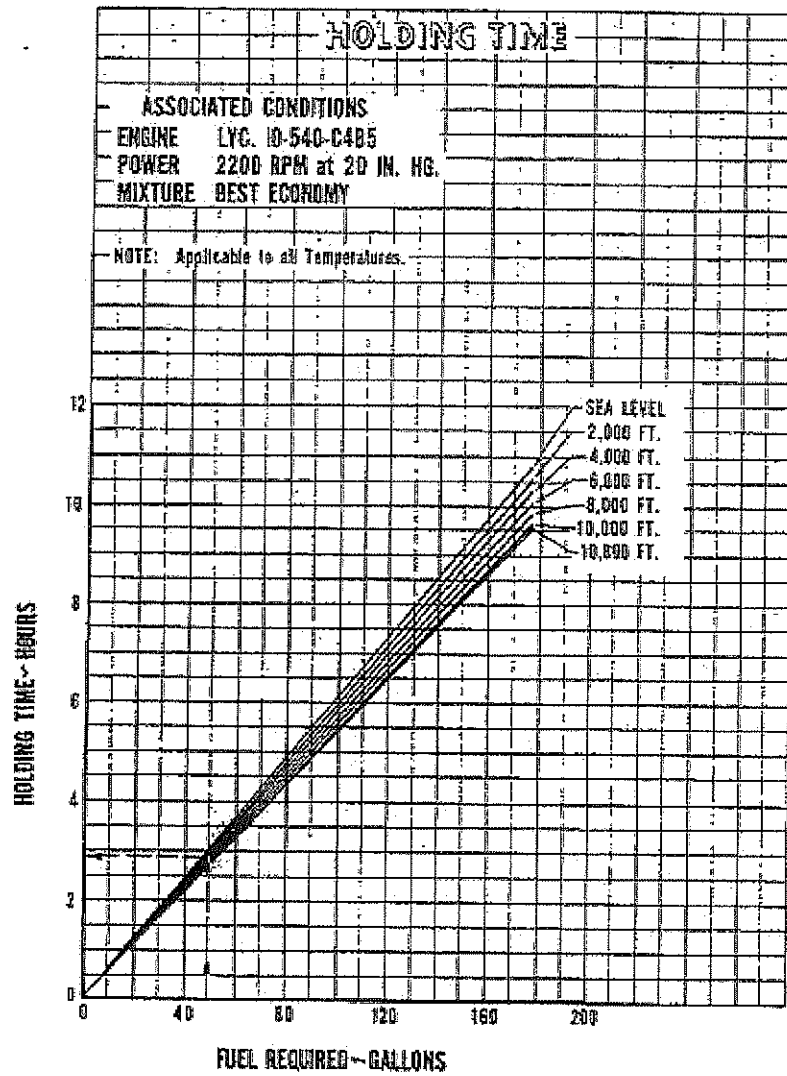
Example:

Airport altitude	=	2000 ft.
Cruise altitude	=	10000 ft.
Time to descend = 10 - 2	=	8 min.
Distance to descend = 22.5 - 4.5	=	18 naut. mi.
Fuel to descend = 2.7 - 0.5	=	2.2 gal.

TIME, FUEL AND DISTANCE TO DESCEND

Figure 5-87

PA-23-250 AZTEC F



Example:
 Fuel available = 50 gal.
 Pressure altitude = 4000 ft.
 Holding time = 2.9 hours

HOLDING TIME

Figure 5-83