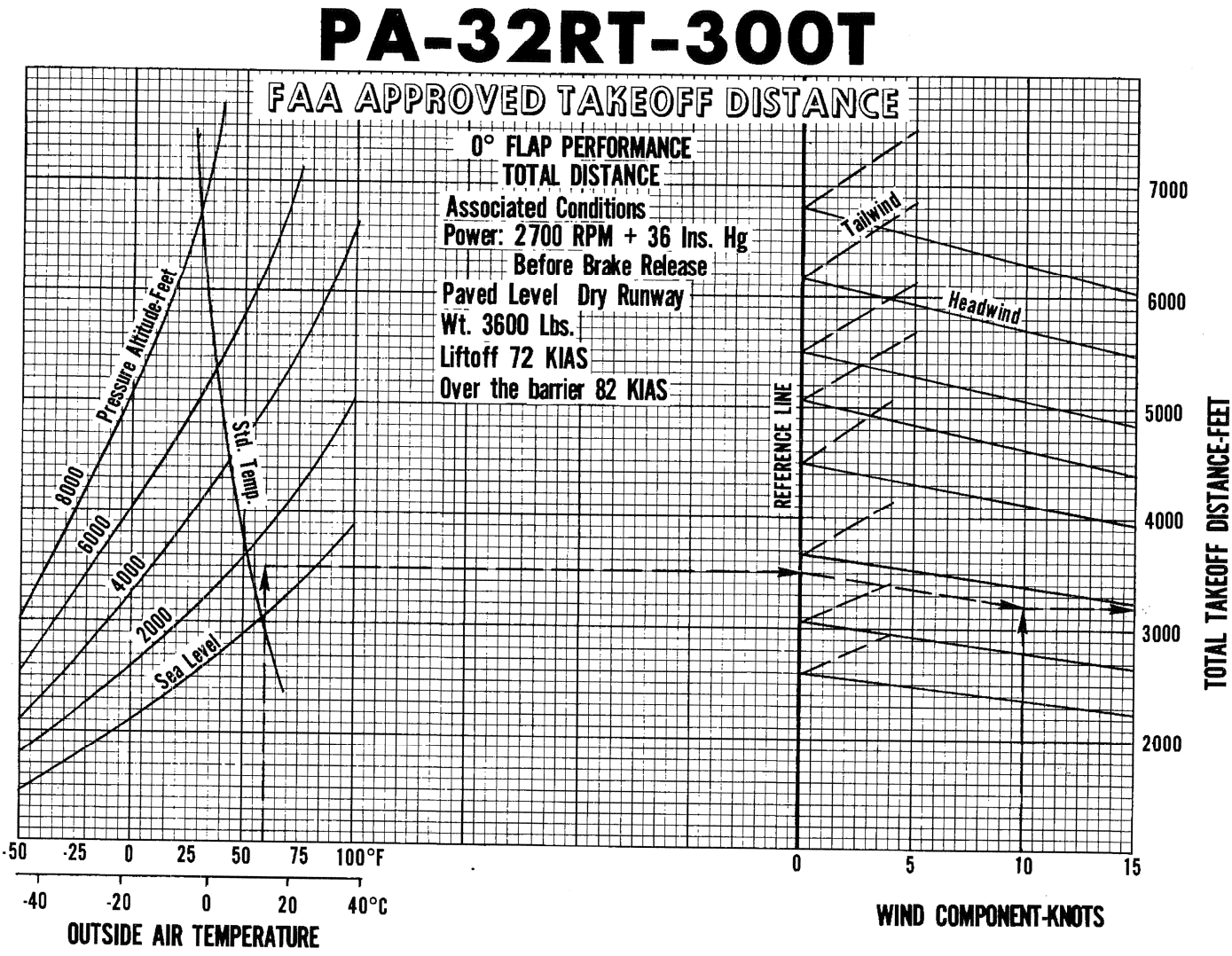
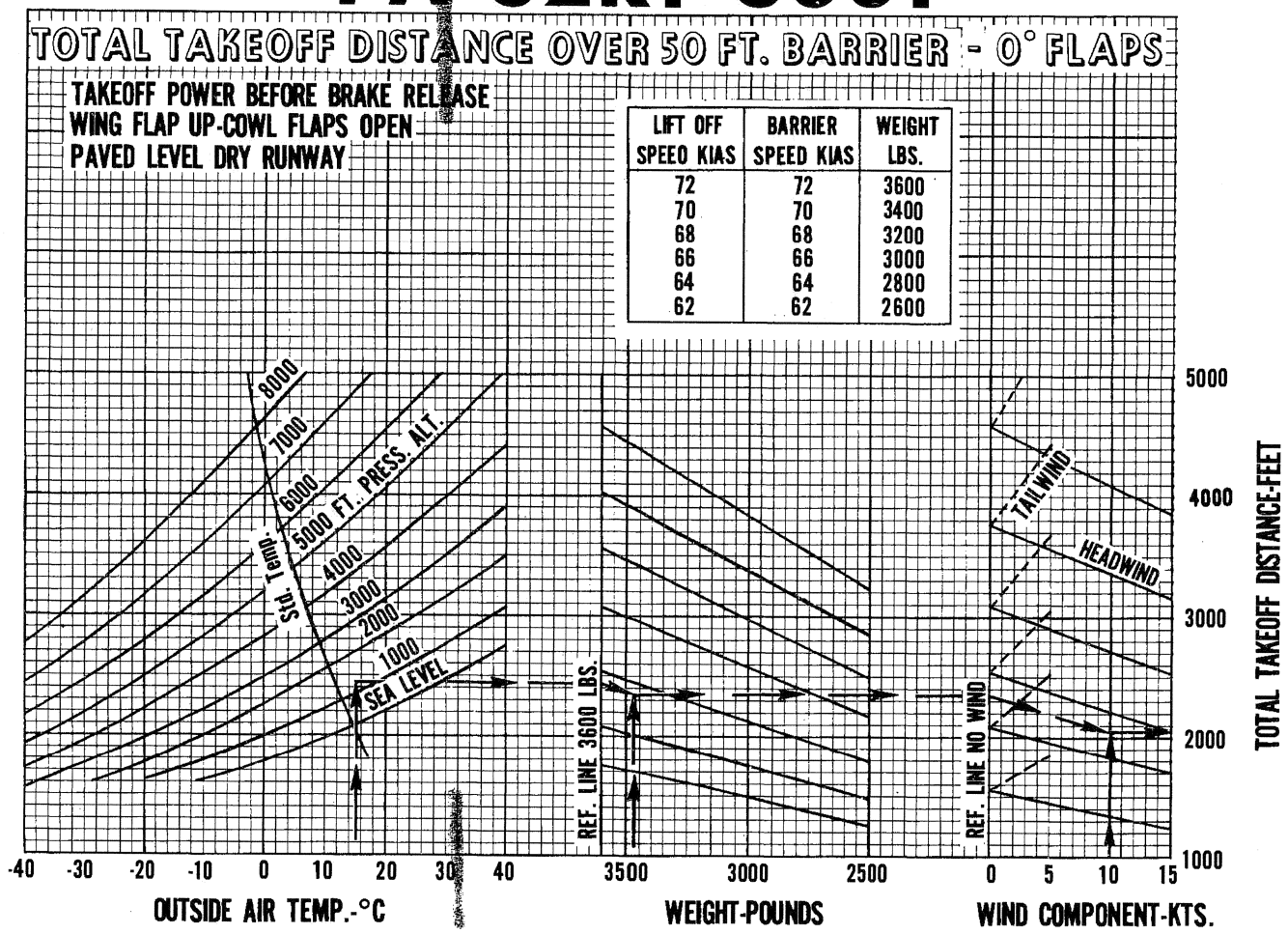


Example:
Airport pressure altitude: 1200 ft.
O.A.T.: 15.6 ° C
Wind component: 10 kts. headwind
Dist. over 50 ft. barrier: 3200 ft.

FAA APPROVED TAKEOFF DISTANCE

Figure 5-5

PA-32RT-300T



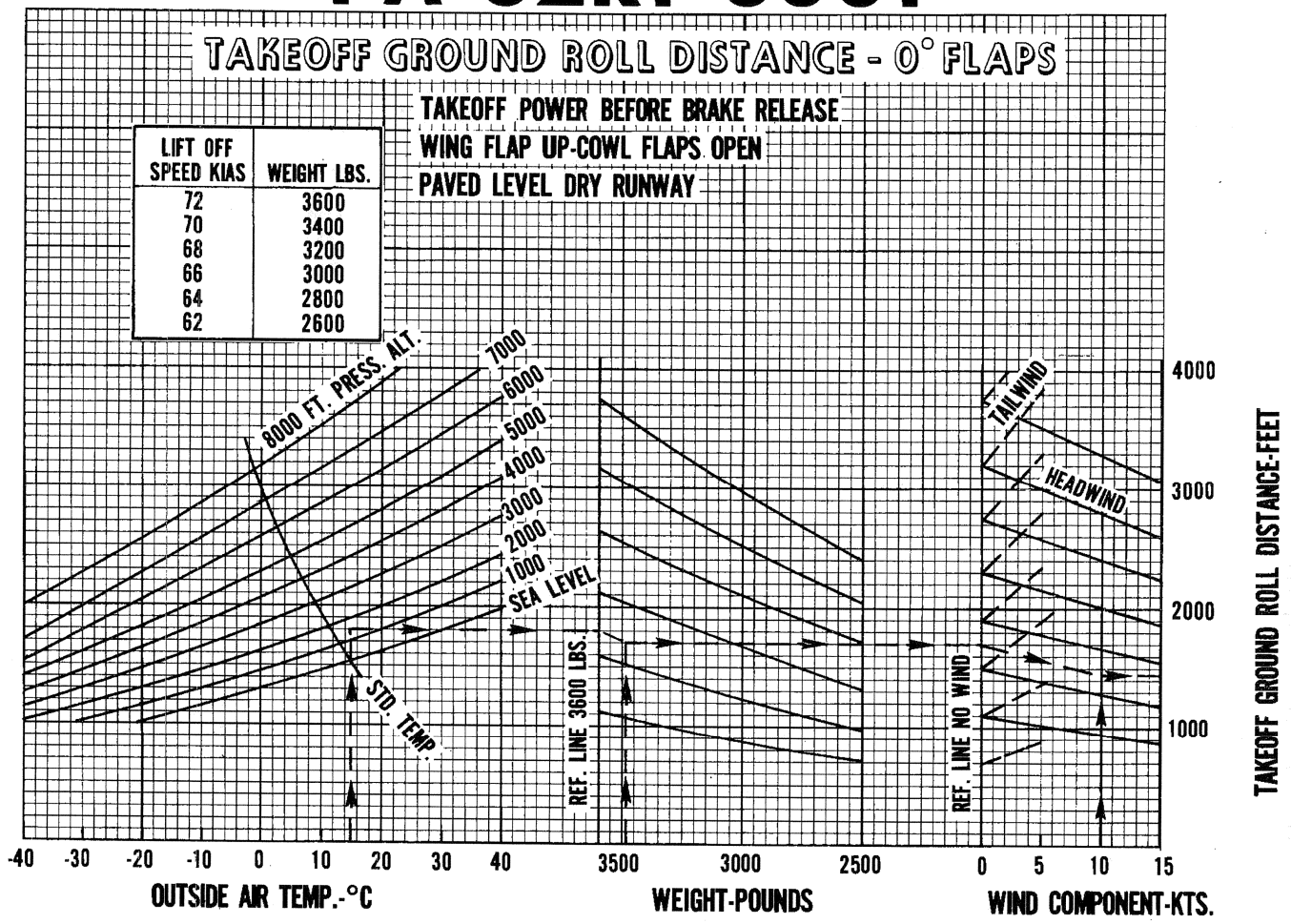
Example:

Airport pressure altitude: 1400 ft.
O.A.T.: 15 ° C
Takeoff weight: 3480 lbs.
Wind component: 10 kts. headwind
Total takeoff distance: 2050 ft.

TOTAL TAKEOFF DISTANCE OVER 50 FT. BARRIER - 0 ° FLAPS

Figure 5-7

PA-32RT-300T



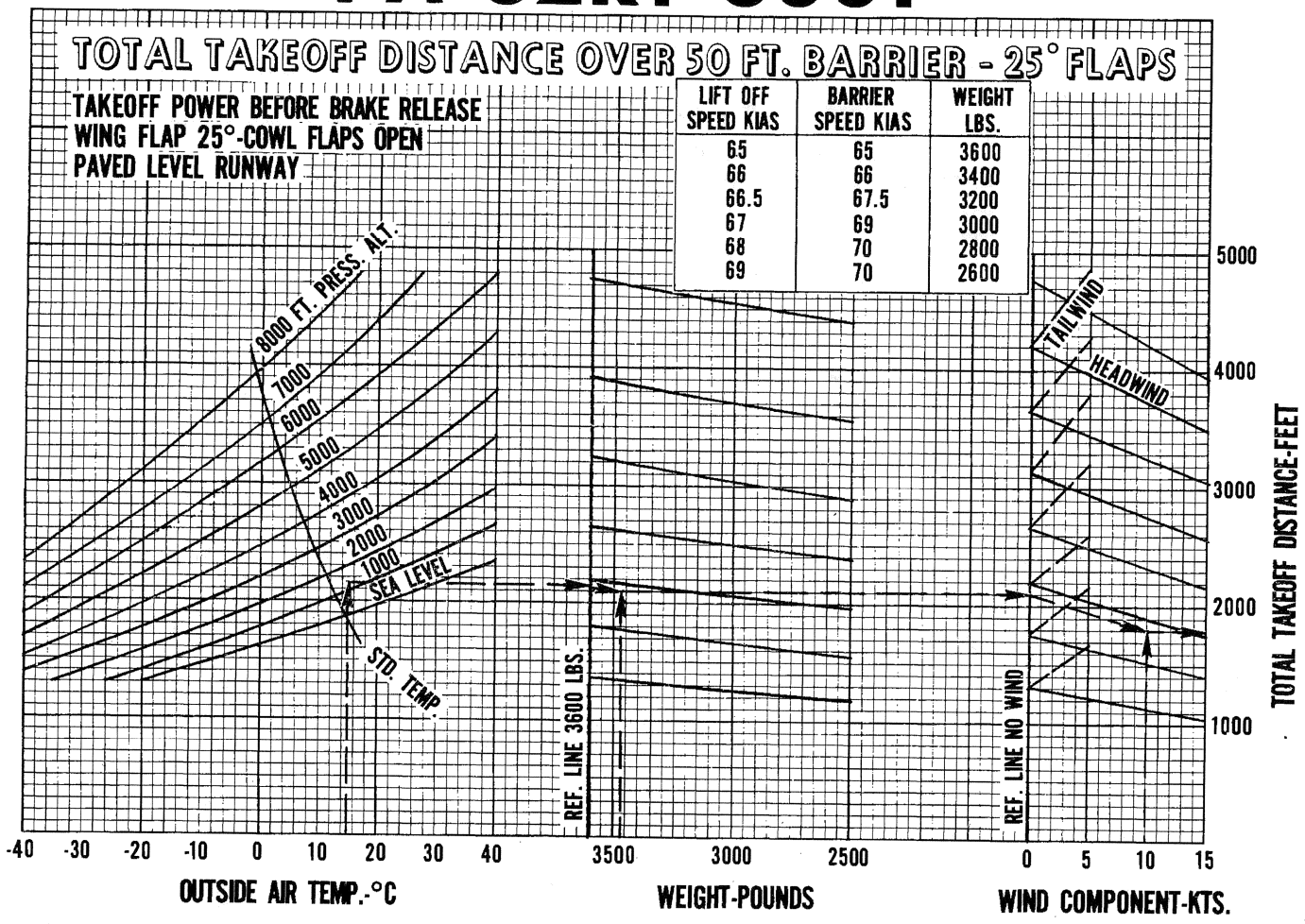
Example:

Airport pressure altitude: 1400 ft.
O.A.T.: 15 ° C
Takeoff weight: 3480 lbs.
Wind component: 10 kts. headwind
Takeoff ground roll dist.: 1450 ft.

TAKEOFF GROUND ROLL DISTANCE - 0 ° FLAPS

Figure 5-9

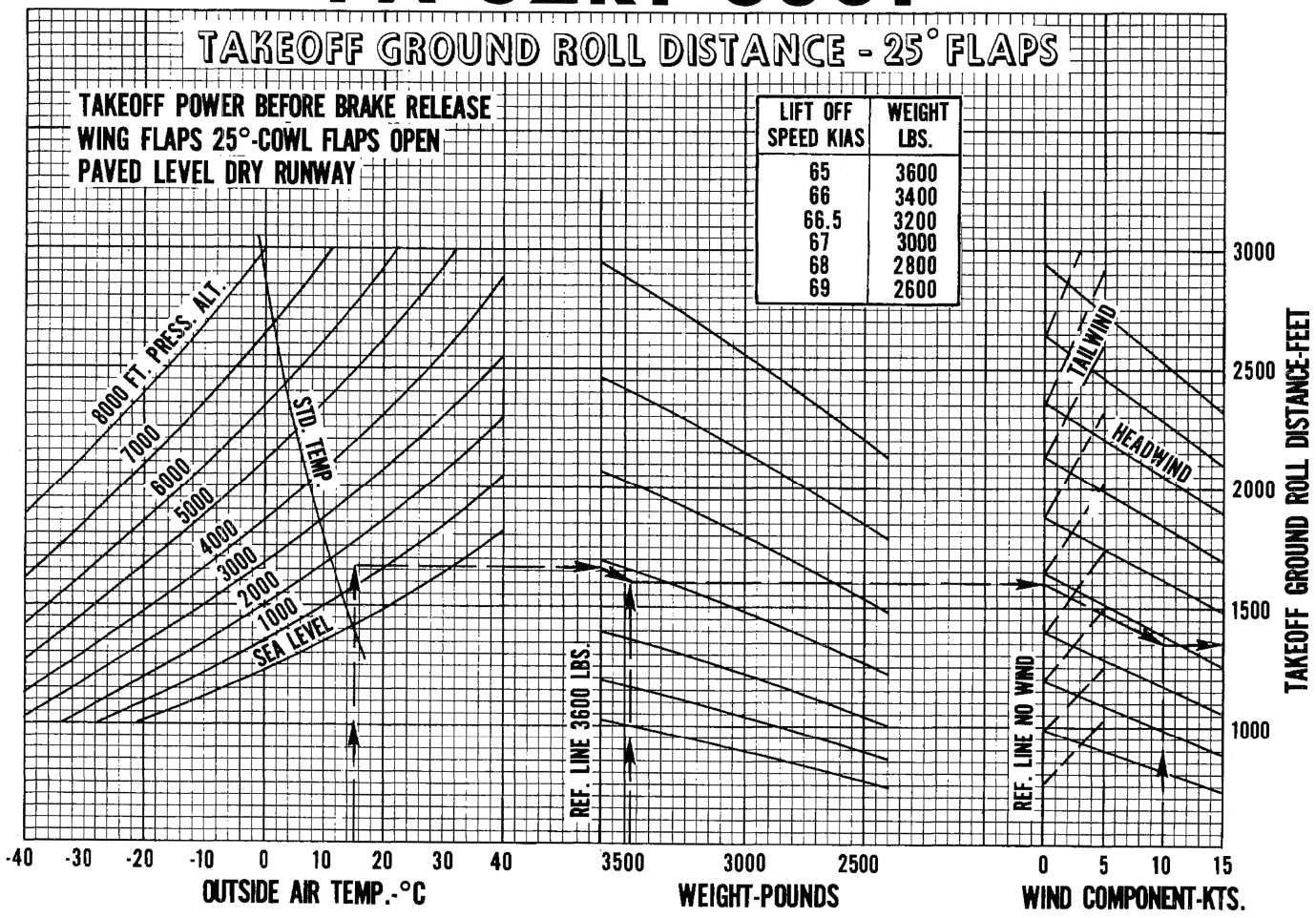
PA-32RT-300T



Example:
Airport pressure altitude: 1400 ft.
O.A.T.: 15 ° C
Takeoff weight: 3480 lbs.
Wind component: 10 kts. headwind
Total takeoff distance: 1800 ft.

TOTAL TAKEOFF DISTANCE OVER 50 FT. BARRIER - 25° FLAPS
Figure 5-11

PA-32RT-300T



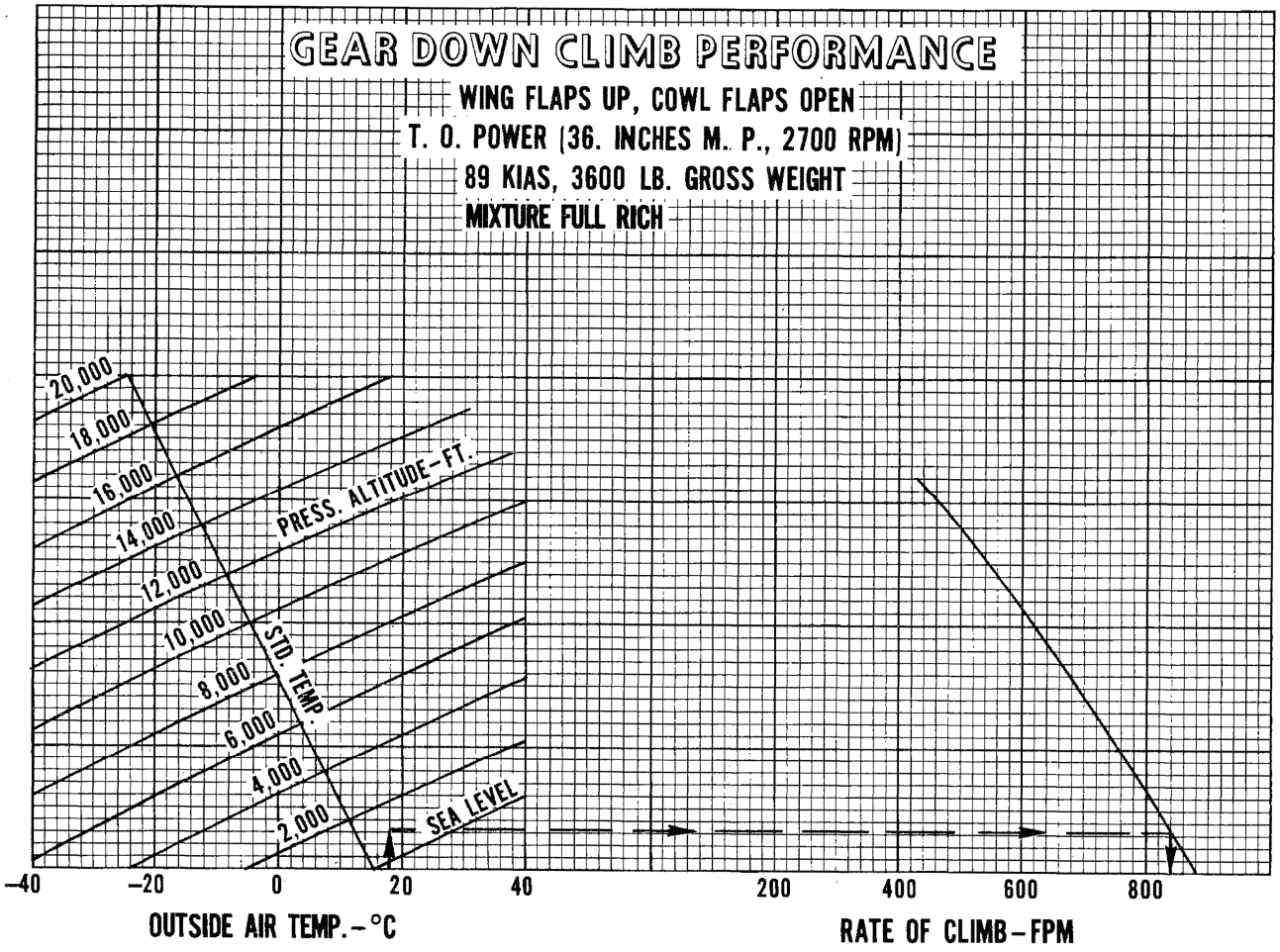
Example:

Airport pressure altitude: 1400 lbs.
O.A.T.: 15 ° C
Takeoff weight: 3480 lbs.
Wind component: 10 kts. headwind
Takeoff ground roll: 1360 ft.

TAKEOFF GROUND ROLL DISTANCE - 25° FLAPS

Figure 5-13

PA-32RT-300T

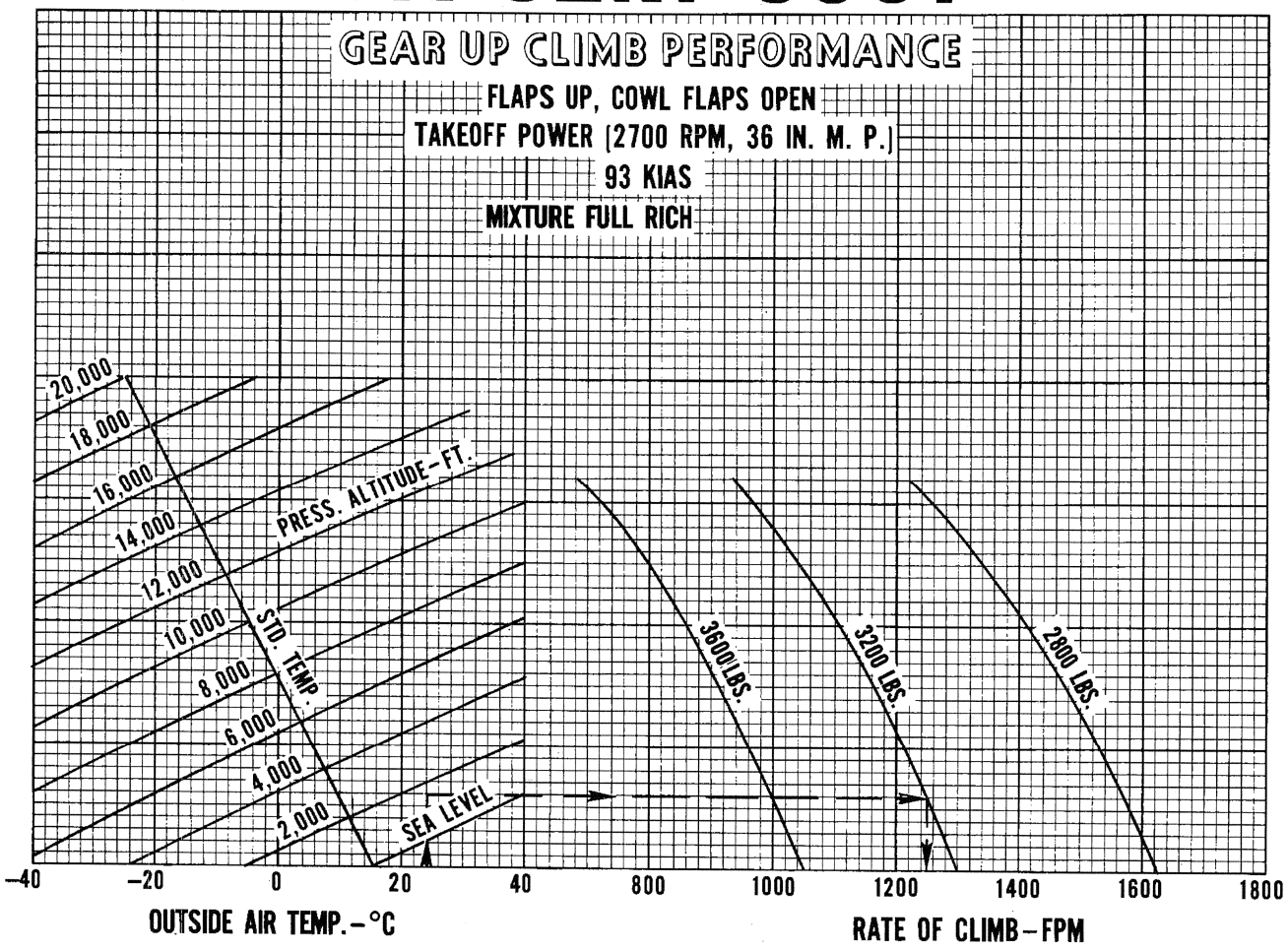


Example:
Climb pressure altitude: 1000 ft.
O.A.T.: 18 ° C
Gross weight: 3600 lbs.
Rate of climb: 840 FPM

GEAR DOWN CLIMB PERFORMANCE (T.O. POWER)

Figure 5-15

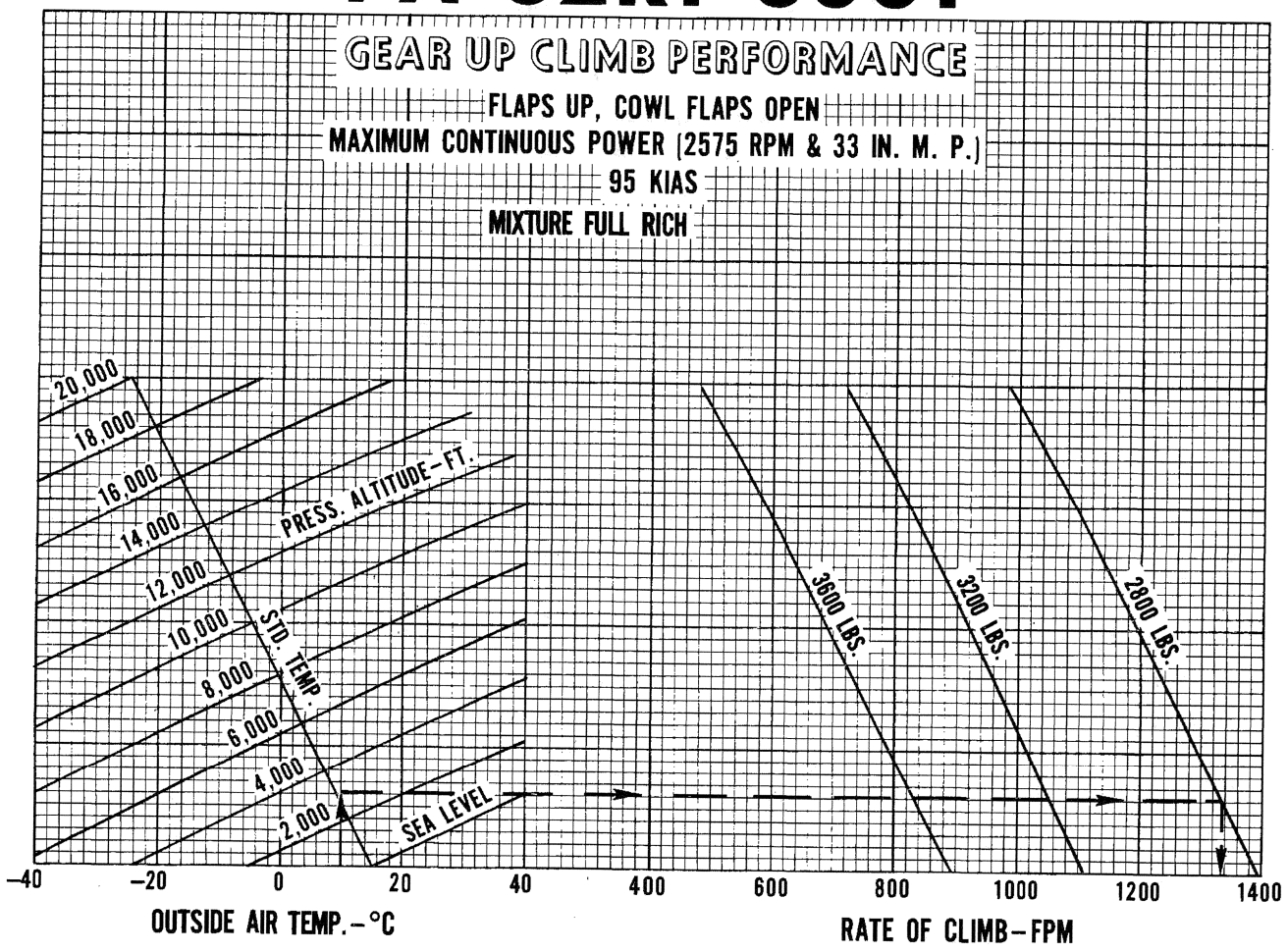
PA-32RT-300T



Example:
Climb pressure altitude: 1500 ft.
O.A.T.: 24 ° C
Gross weight: 3200 lbs.
Rate of climb: 1250 FPM

GEAR UP CLIMB PERFORMANCE (T.O. POWER)
Figure 5-17

PA-32RT-300T

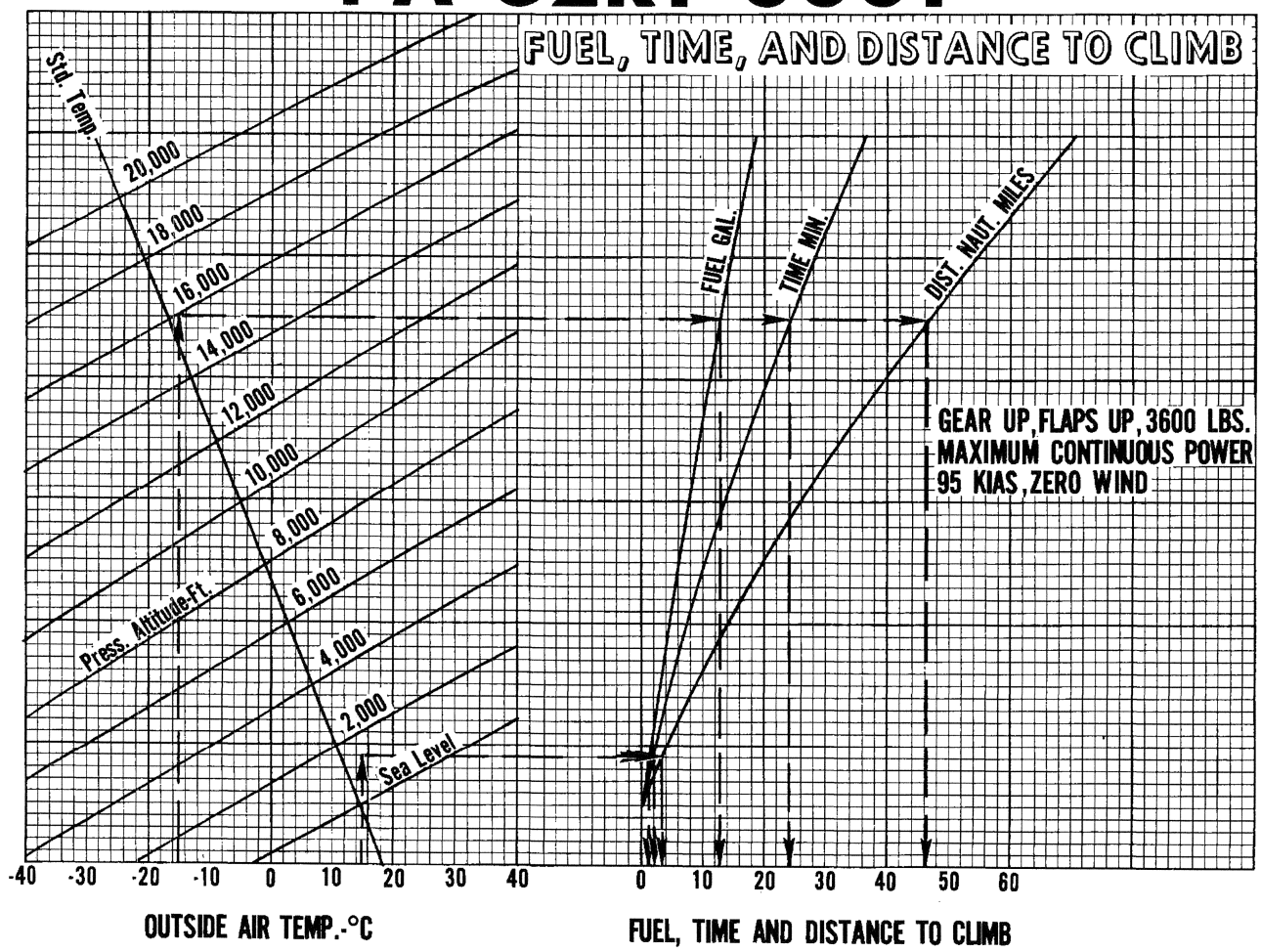


Example:
Climb pressure altitude: 3000 ft.
O.A.T.: 10°C
Gross weight: 2800 lbs.
Rate of climb: 1332 FPM

GEAR UP CLIMB PERFORMANCE (MAX. CONTINUOUS POWER)

Figure 5-19

PA-32RT-300T

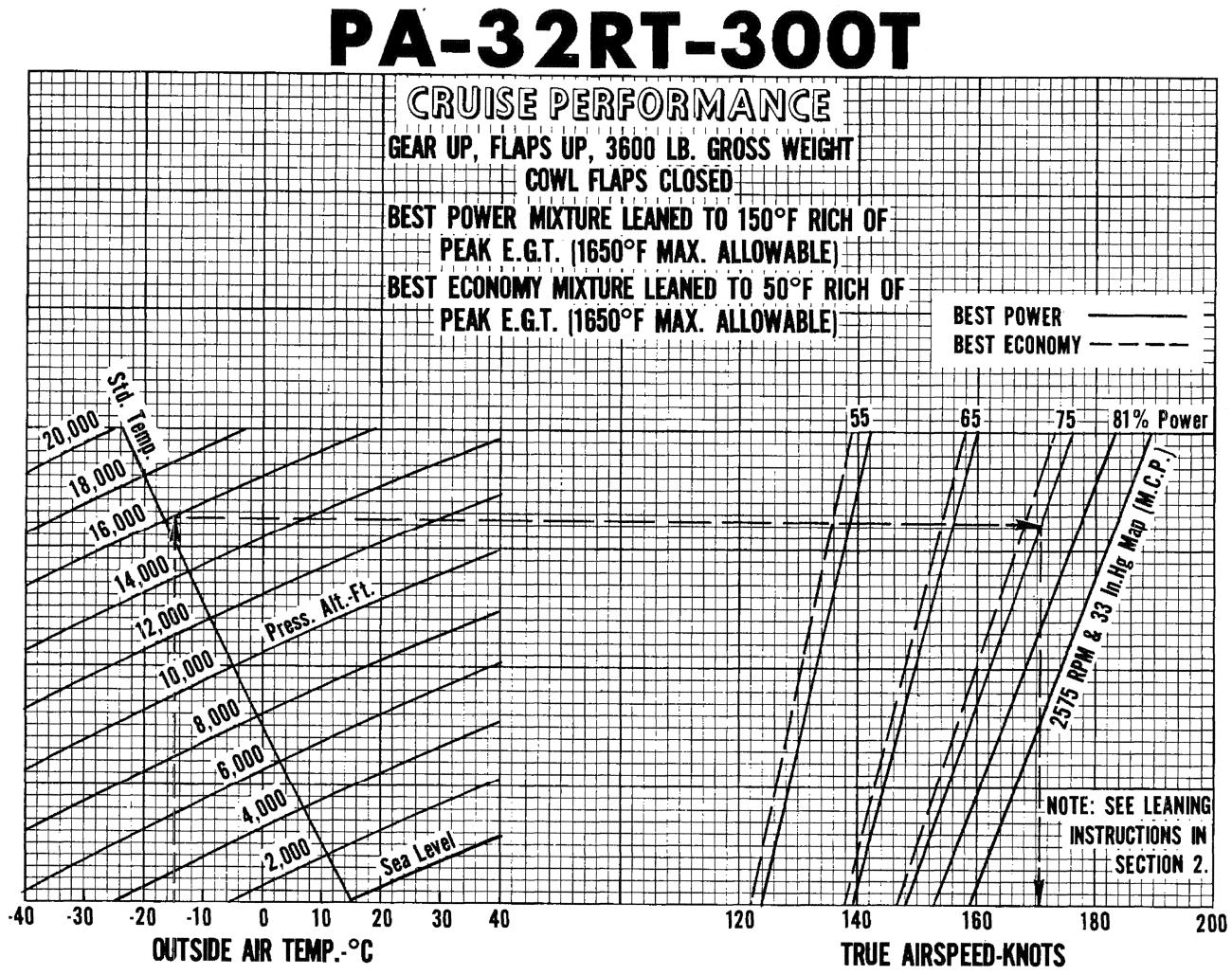


Example:

Departure airport press. alt.: 1400 ft.
Departure airport O.A.T.: 15 °C
Cruise press. alt.: 16000 ft.
Cruise O.A.T.: -15 °C
Fuel to climb: 13 minus 1 = 12 gal.
Time to climb: 24 minus 2 = 22 min.
Distance to climb: 47 minus 4 = 43 NM

FUEL, TIME, AND DISTANCE TO CLIMB

Figure 5-21

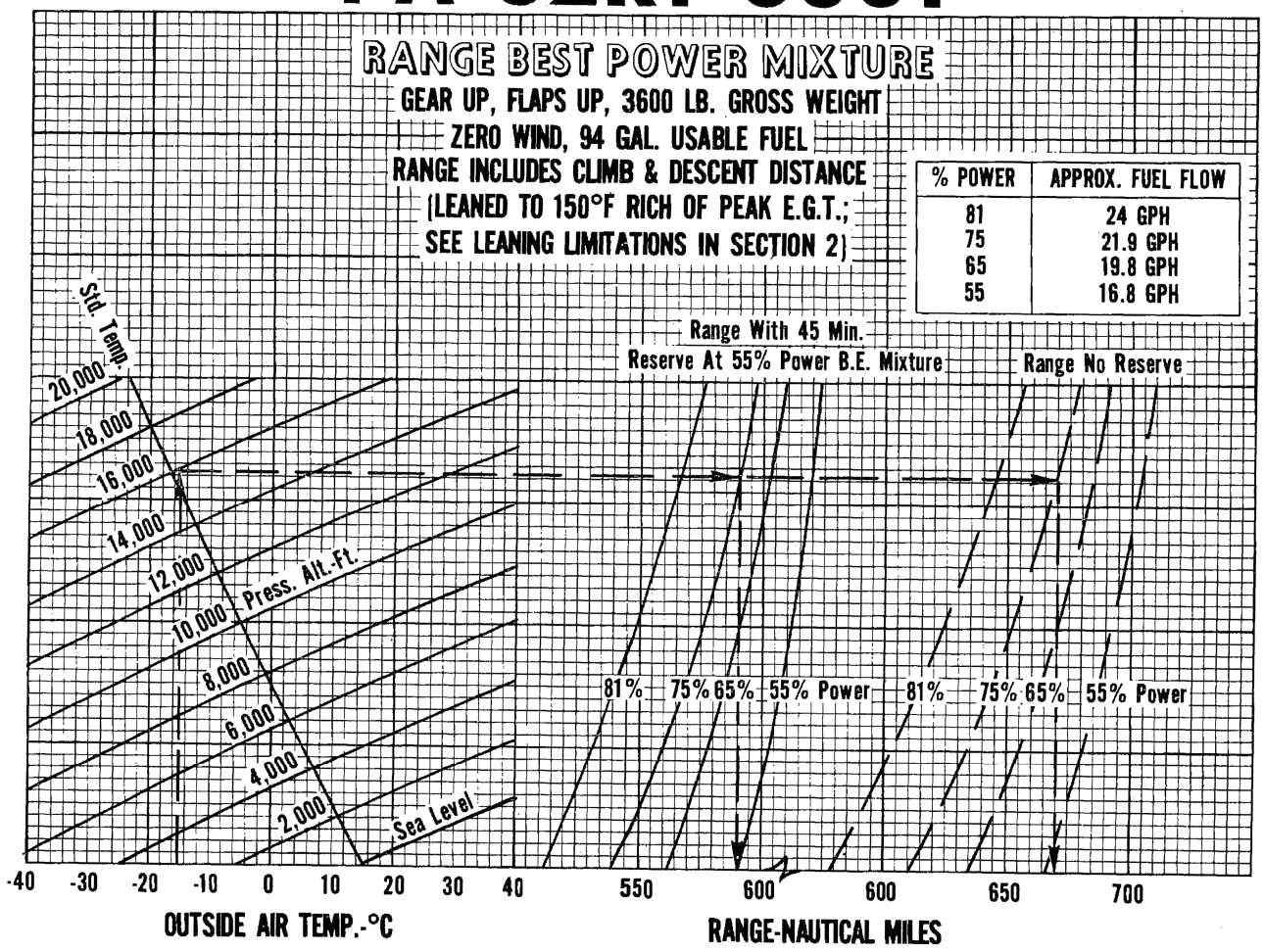


Example:
Cruise pressure altitude: 16000 ft.
Cruise O.A.T.: -15 °C
Power: 75% best power
True airspeed: 170 KTAS

CRUISE PERFORMANCE

Figure 5-25

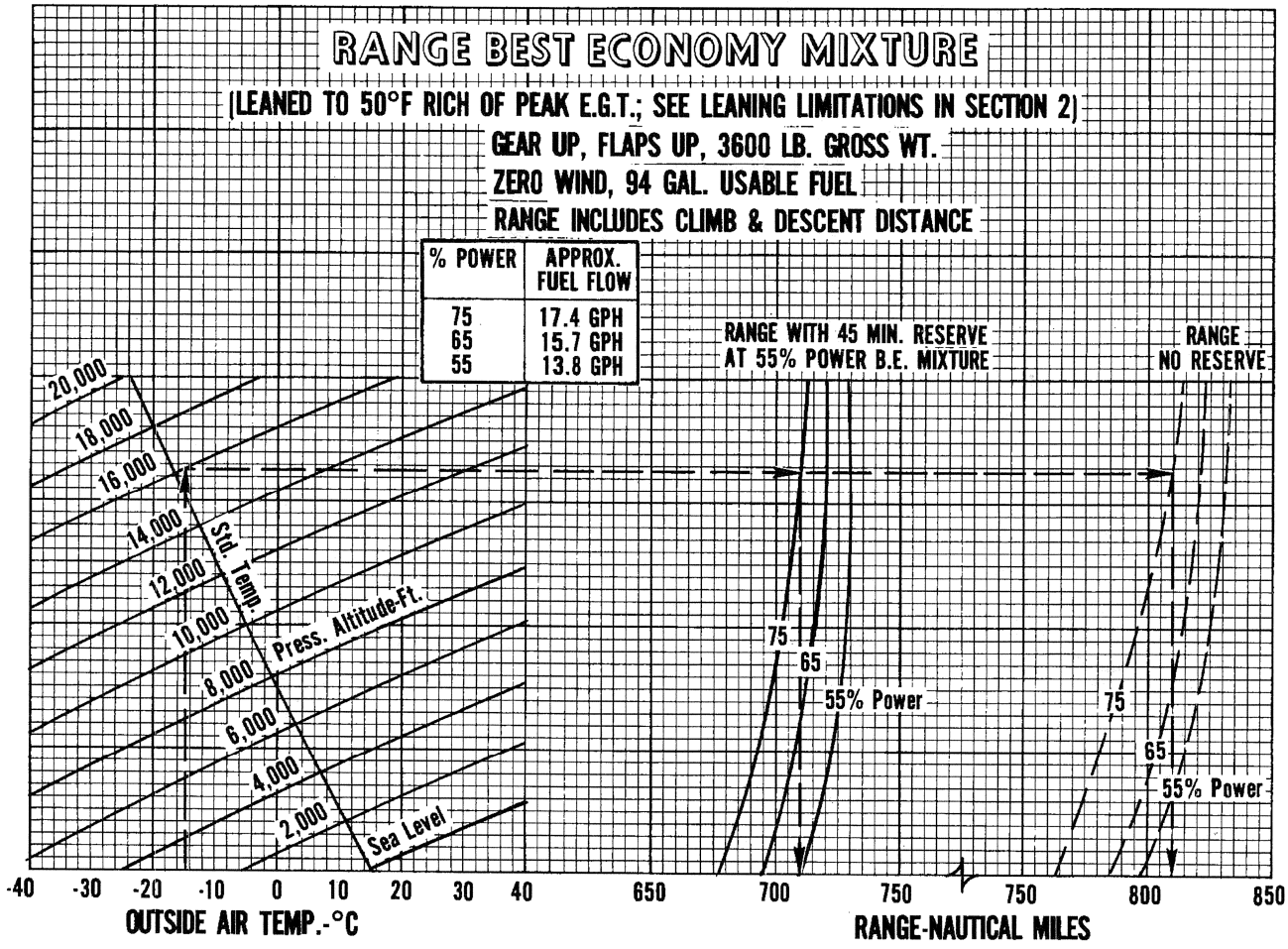
PA-32RT-300T



Example:
Cruise pressure altitude: 16000 ft.
Cruise O.A.T.: -15 °C
Power: 75%
Range with reserve: 590 NM
Range no reserve: 670 NM

RANGE - BEST POWER MIXTURE
Figure 5-27

PA-32RT-300T

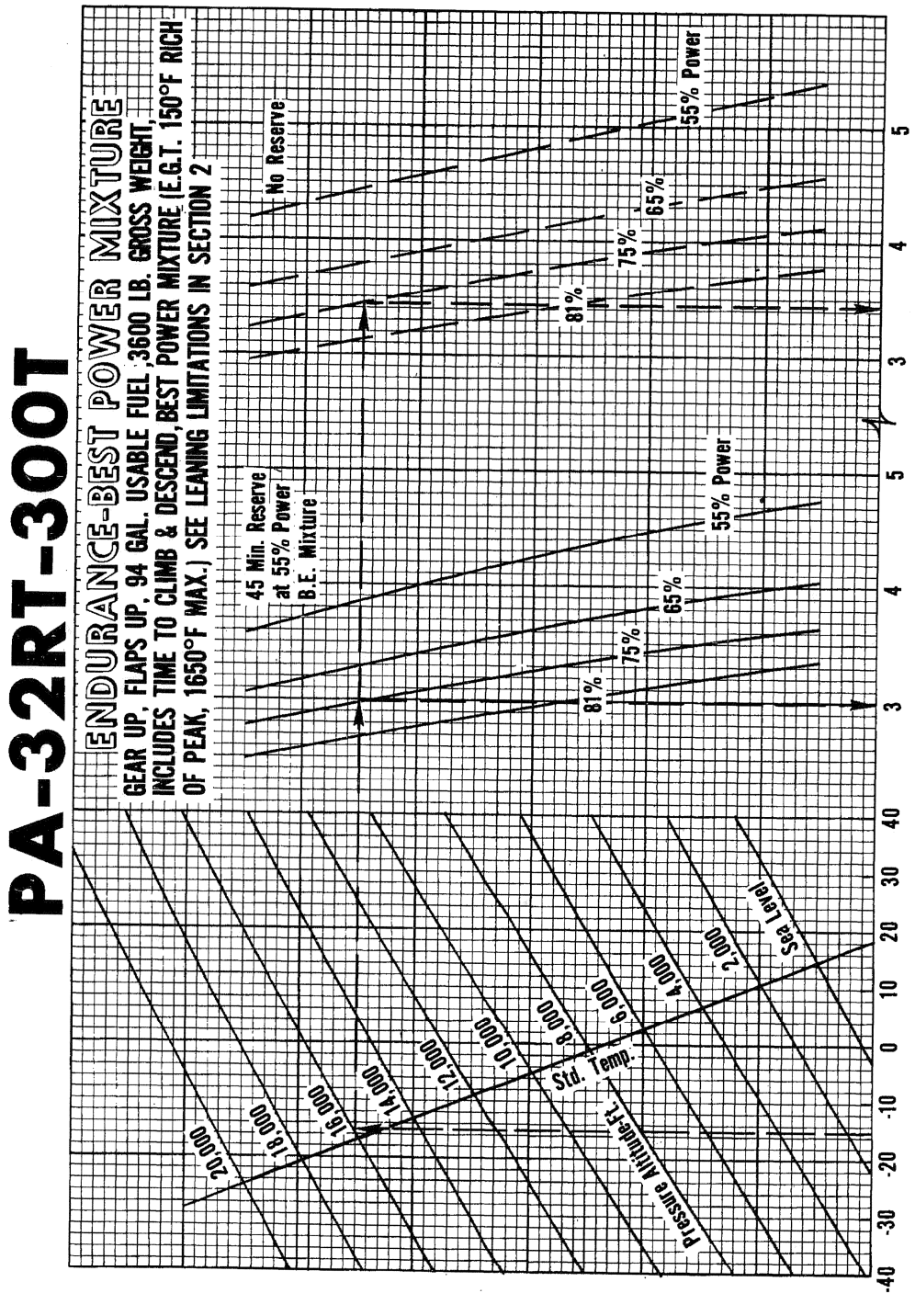


Example:

Cruise pressure altitude: 16000 ft.
Cruise O.A.T.: -15 ° C
Power: 75%
Range of reserve: 710 NM
Range no reserve: 809 MN

RANGE - BEST ECONOMY MIXTURE

Figure 5-29



Example:
Cruise pressure altitude: 16000 ft.
Cruise O.A.T.: -15 ° C
Cruise power: 75%
Endurance with reserve: 3 hrs.
Endurance no reserve: 3.45 hrs.

ENDURANCE - BEST POWER MIXTURE

Figure 5-31