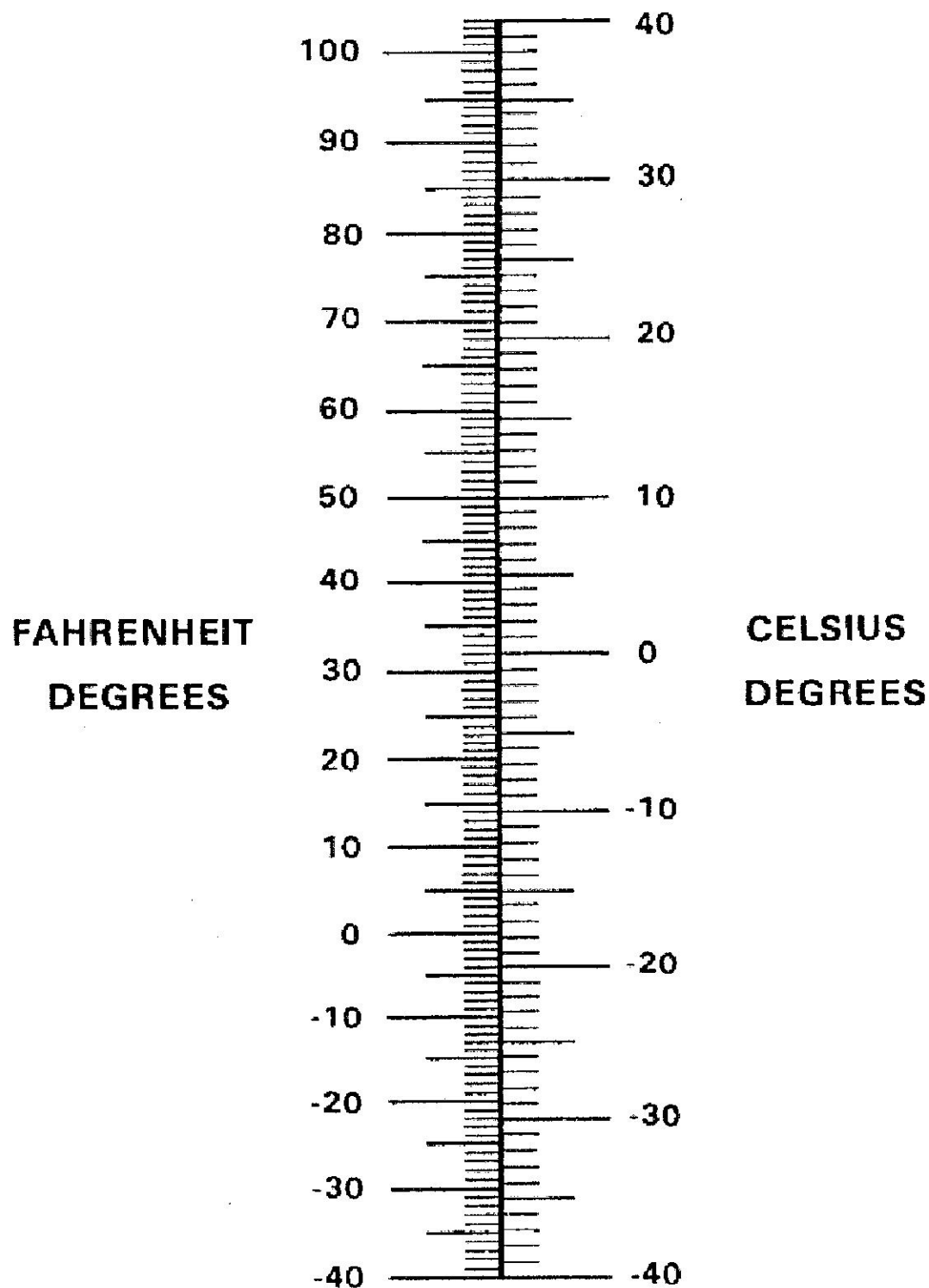
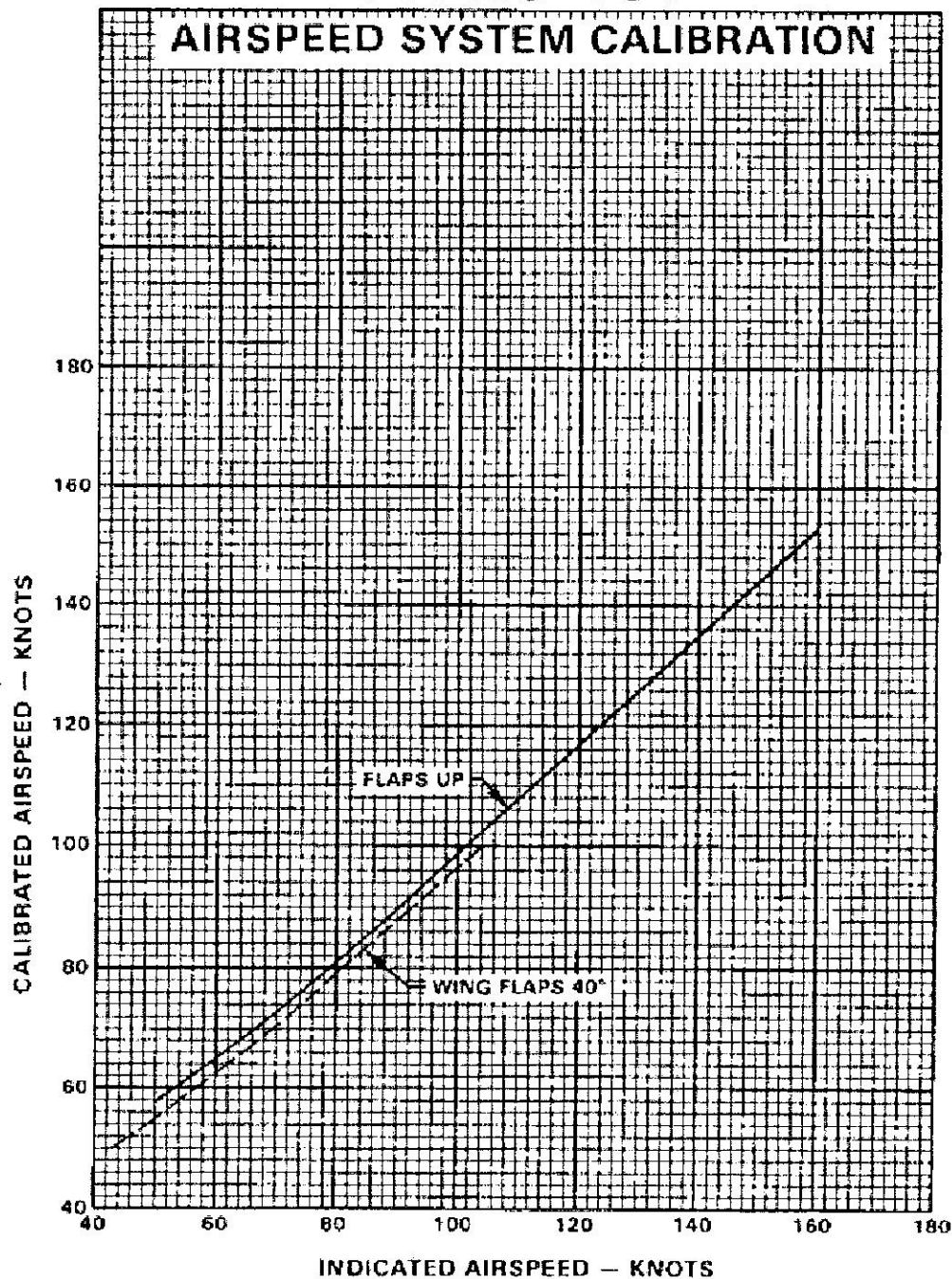




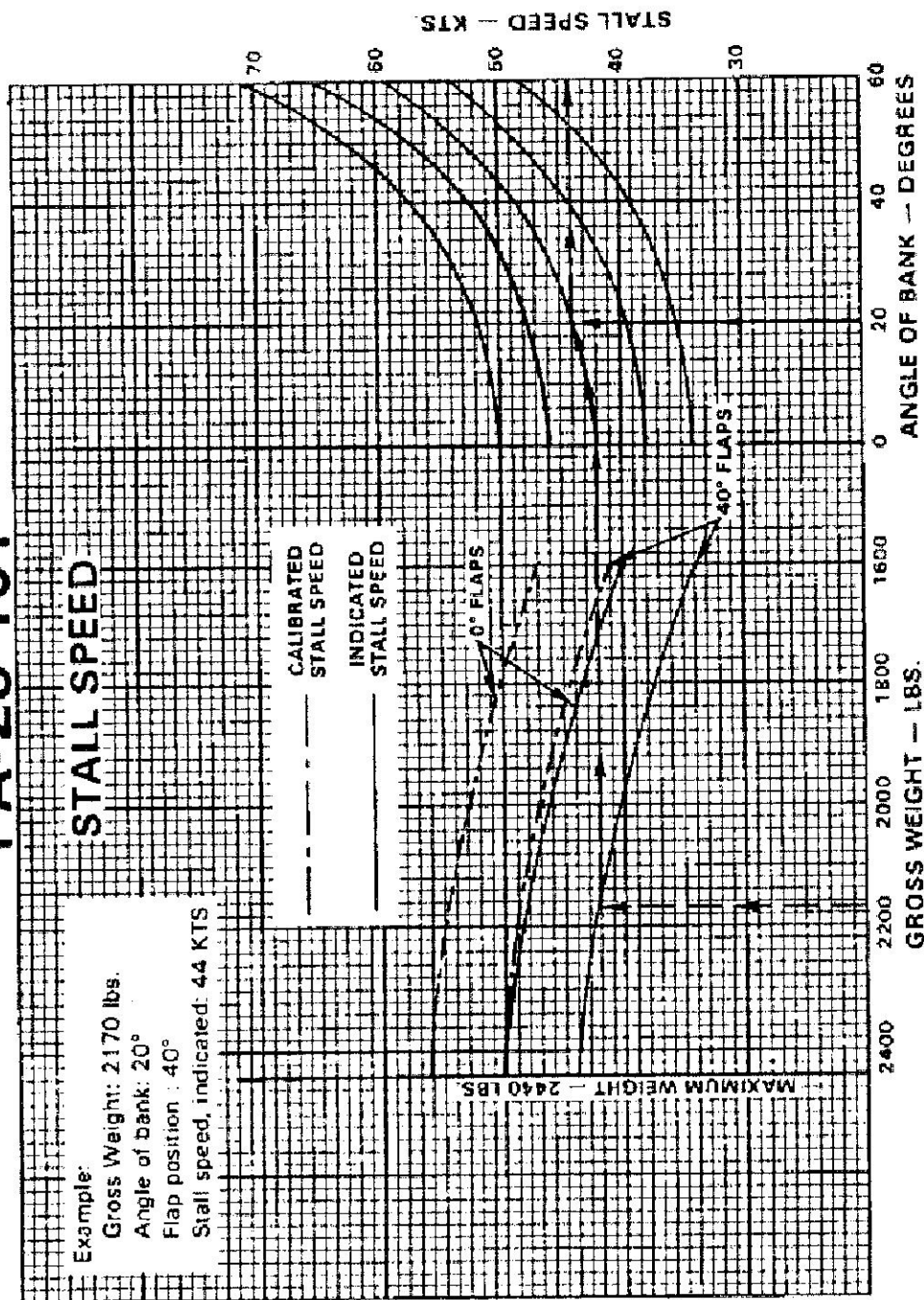
TEMPERATURE CONVERSION
Figure 5-1

PA-28-161



AIRSPEED SYSTEM CALIBRATION
Figure 5-3

PA-28-161



STALL SPEED
Figure 5-5

ISSUED: AUGUST 13, 1982

REPORT: VB-1180

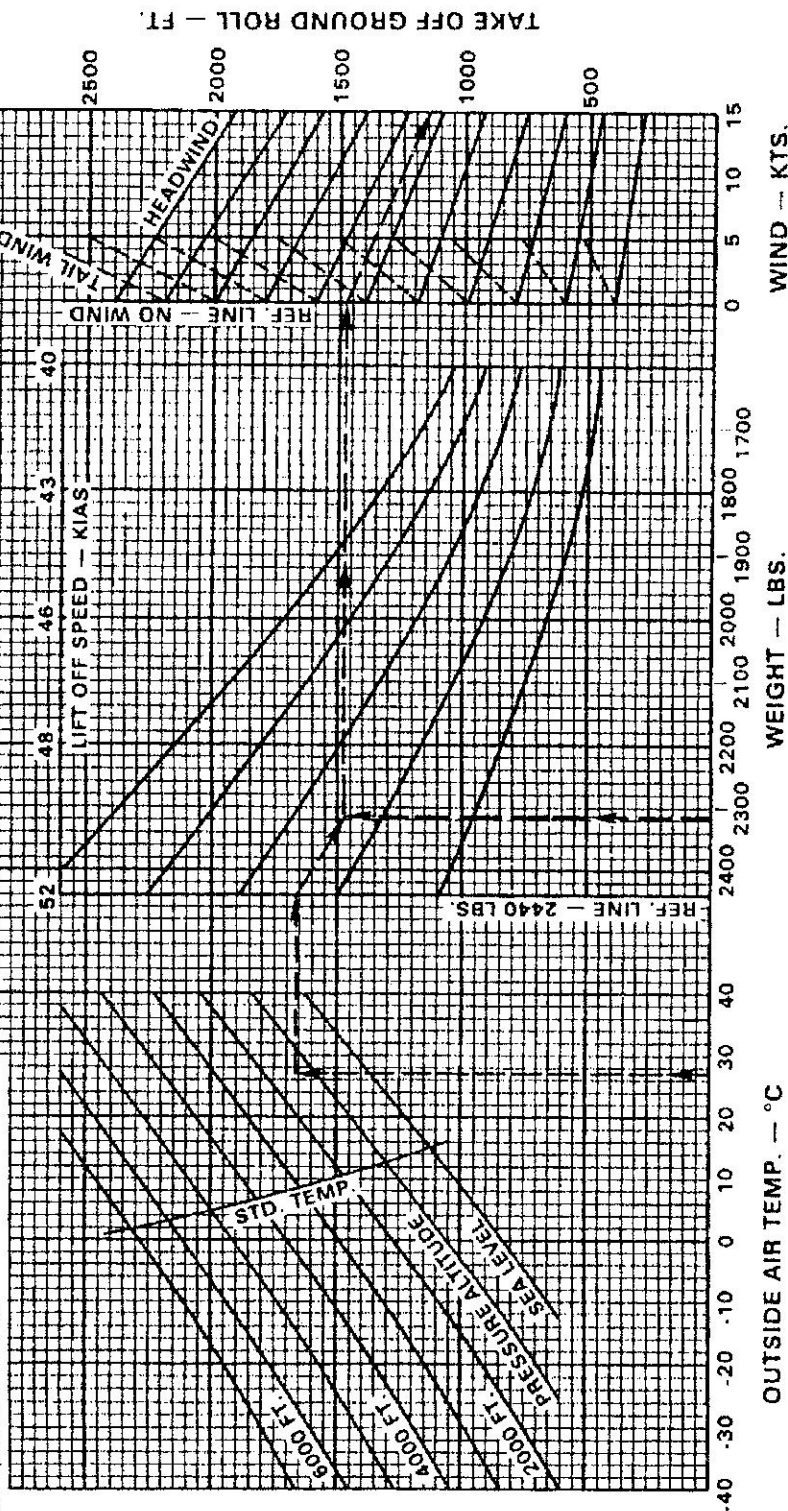
5-13

PA-28-161

0° FLAPS TAKEOFF GROUND ROLL

ASSOCIATED CONDITIONS:
PAVED, LEVEL, DRY RUNWAY
FULL POWER BEFORE BRAKE RELEASE
FLAPS 0°

Example:
Departure airport pressure altitude: 1500 ft.
Departure airport temperature: 27°C
Weight: 2316 lbs.
Wind: 15 KTS headwind
Ground roll: 1150 ft.
Lift-off speed: 50 KIAS

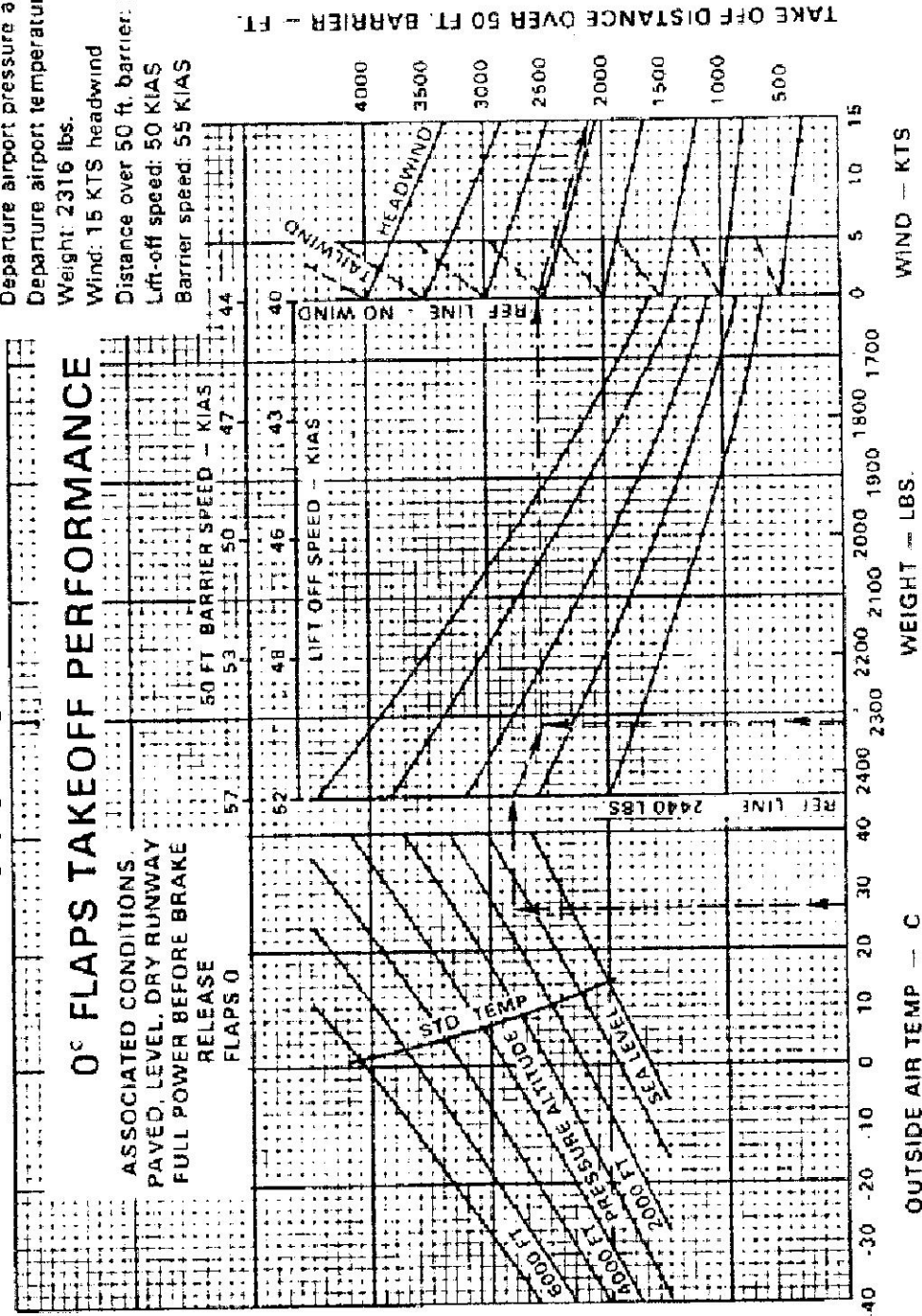


0° FLAPS TAKEOFF GROUND ROLL

Figure 5-7

PA-28-161

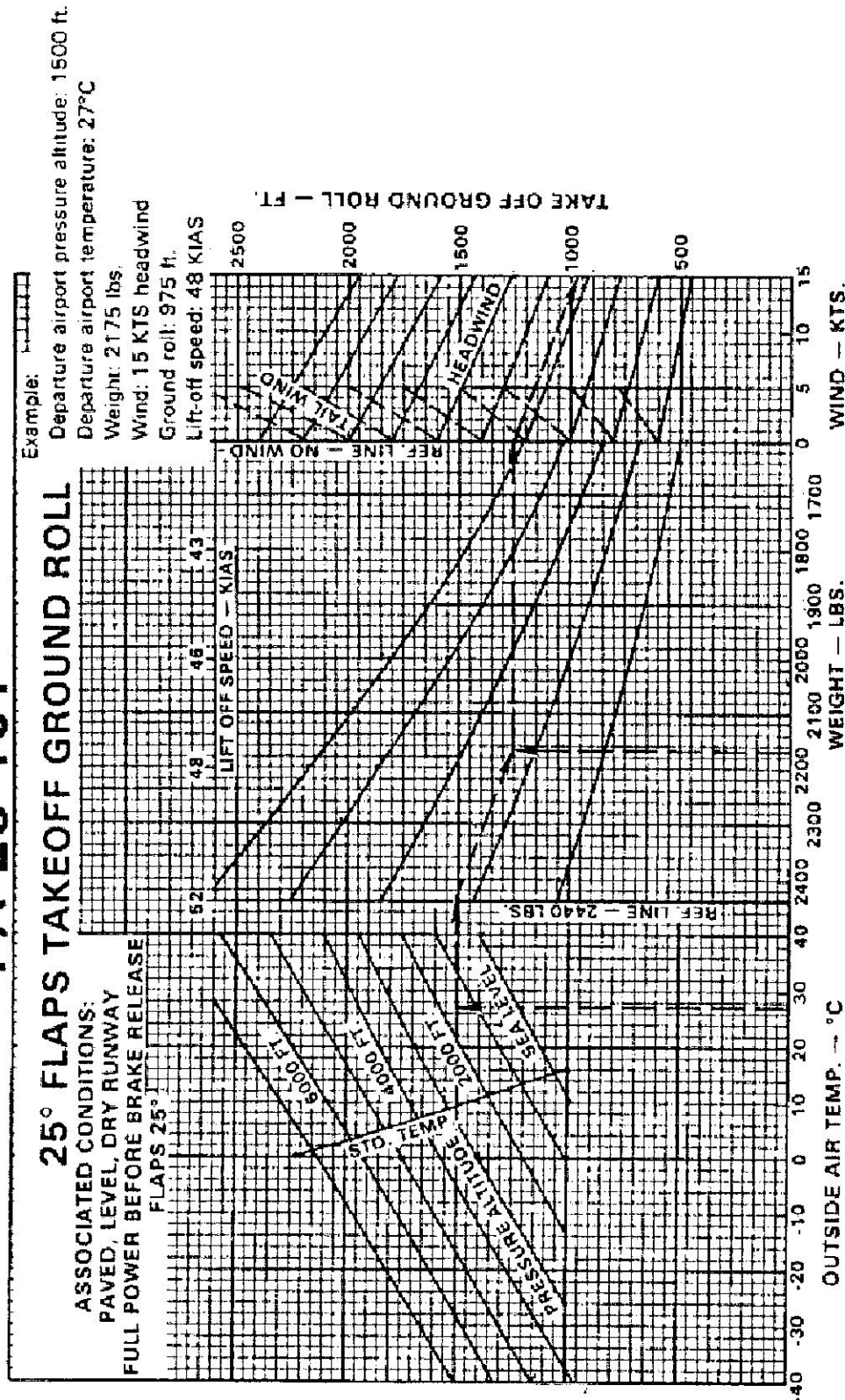
Example:
Departure airport pressure altitude: 1500 ft.
Departure airport temperature: 27°C
Weight: 2316 lbs.
Wind: 15 KTS headwind
Distance over 50 ft. barrier: 2100 ft.
Lift-off speed: 50 KIAS
Barrier speed: 55 KIAS



0° FLAPS TAKEOFF PERFORMANCE

Figure 5-9

PA-28-161



25° FLAPS TAKEOFF GROUND ROLL

Figure 5-11

PA-28-161

25° FLAPS TAKEOFF PERFORMANCE

ASSOCIATED CONDITIONS:

PAVED, LEVEL, DRY RUNWAY
FULL POWER BEFORE BRAKE RELEASE

FLAPS 25°

Example:

Departure airport pressure altitude: 1500 ft.

Departure airport temperature: 27°C

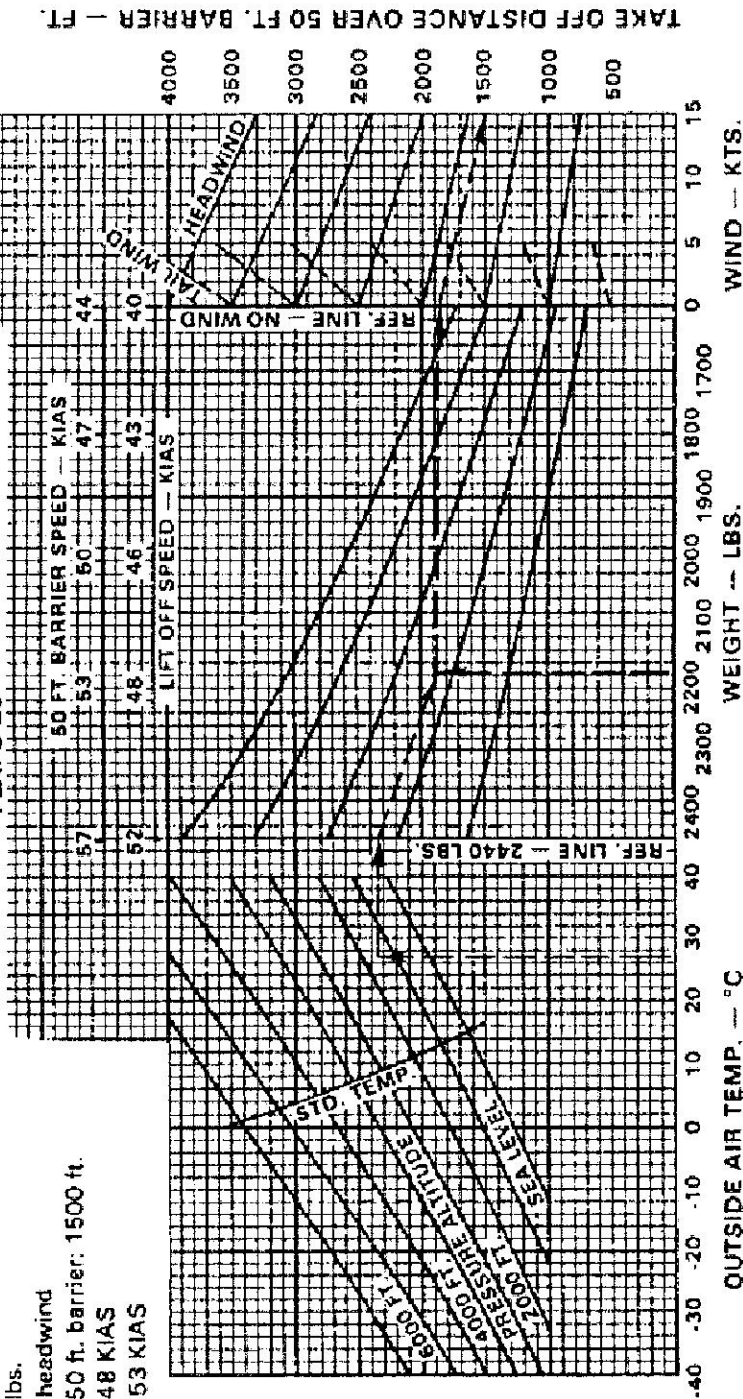
Weight: 2175 lbs.

Wind: 15 KTS headwind

Distance over 50 ft. barrier: 1500 ft.

Lift-off speed: 48 KIAS

Barrier speed: 53 KIAS



25° FLAPS TAKEOFF PERFORMANCE

Figure 5-13