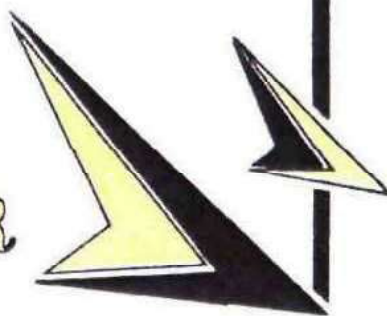


PIPER



CHEROKEE 235 'B'
OWNER'S HANDBOOK

SECTION I

SPECIFICATIONS

PERFORMANCE

Performance figures are for standard airplanes flown at gross weight under standard conditions at sea level, or stated altitude. Any deviation from standard equipment may result in changes in performance.

	PA-28-235 (Fixed Pitch)	PA-28-235 (Const. Speed)
Take-off Run (ft) (flaps up)	935	810
Take-off Distance Over 50-ft Obstacle (ft) (flaps up)	1510	1350
Take-off Run (ft) (flaps 25°)	800	750
Take-off Distance Over 50-ft Obstacle (ft) (flaps 25°)	1360	1220
Best Rate of Climb Speed (mph)	100	100
Rate of Climb (ft per min)	825	900
Service Ceiling (ft)	14,500	16,500
Absolute Ceiling	16,500	18,500
Top Speed (mph)	166	164
Cruising Speed (75% power, sea level mph)	146	145
Optimum Cruising Speed (75% power, 7000 ft, mph)	156	154
Fuel Consumption (gal per hr 75%)	14.0	14.0
Cruising Range (75% power, sea level, mi)	875	870

SPECIFICATIONS (cont):

PERFORMANCE

	PA-28-235 (Fixed Pitch)	PA-28-235 (Const. Speed)
Cruising Range (75% power, 7000 ft) (mi)	935	923
Optimum Cruising Range (55% power, 10,000 ft)	1130	1105
Stalling Speed (flaps down, mph)	60	60
Stalling Speed (flaps up, mph)	70	70
Landing Roll (flaps down, ft)	680	680
Landing Distance Over 50-ft Obstacle (ft)	1300	1300

WEIGHTS

Gross Weight (lbs)	2900	2900
Empty Weight (Standard) (lbs)	1435	1460
USEFUL LOAD (Standard)(lbs)	1465	1440

POWER PLANT

Engine - Lycoming	O-540-B4B5	O-540-B4B5
Rated Horsepower	235	235
Rated Speed (rpm)	2575	2575
Bore (inches)	5.125	5.125
Stroke (inches)	4.375	4.375
Displacement (cubic inches)	541.5	541.5
Compression Ratio	7.2:1	7.2:1
Dry Weight (pounds)	395	395
Propeller	1P235PFA80	HC-C2YK-1