

SECTION I

SPECIFICATIONS

Performance .....	1
Weights .....	2
Power Plant .....	2
Fuel and Oil .....	2
Baggage .....	2
Dimensions .....	3
Landing Gear .....	3

## SECTION I

## SPECIFICATIONS

## PERFORMANCE

Performance figures are for airplanes equipped for cross-country transportation and flown at gross weight under standard conditions at sea level or stated altitude. Any changes in equipment may result in changes in performance.

Take-off Run (maximum effort, 25° flap) (ft)	720
Take-off Over 50-ft Barrier (maximum effort, 25° flap) (ft)	1625
Best Rate of Climb Speed (mph)	85
Rate of Climb (ft per min)	750
Service Ceiling (ft)	13,000
Absolute Ceiling (ft)	15,000
Top Speed (mph)	152
Optimum Cruising Speed (75% power, optimum altitude) (mph)	143
Cruising Range (75% power, optimum altitude) (mi)	725
Optimum Cruising Range (55% power, optimum altitude) (mi)	845
Stalling Speed (flaps down) (mph)	57
Stalling Speed (flaps up) (mph)	67
Landing Roll (flaps down) (ft)	600
Landing Roll Over 50-ft Barrier (ft)	1150

## SPECIFICATIONS (cont.)

## WEIGHTS

Gross Weight (lbs)	2400
Empty Weight (Standard) (lbs)	1339*
USEFUL LOAD (Standard) (lbs)	1061*

## POWER PLANT

Engine (Lycoming)	O-360-A4A
Rated Horsepower	180
Rated Speed (rpm)	2700
Bore (in.)	5.125
Stroke (in.)	4.375
Displacement (cu in.)	361.0
Compression Ratio	8.5:1
Dry Weight (lbs)	285
Propeller	76EM855-0-60

## FUEL AND OIL

Fuel Capacity (U.S. gal)	50
Oil Capacity (qts)	8
Fuel, Aviation Grade (min octane)	91/96

## BAGGAGE

Maximum Baggage (lbs)	200
Baggage Space (cu ft)	24
Baggage Door Size (in.)	20 x 22

\* Weight varies with each aircraft

## SPECIFICATIONS (cont.)

## DIMENSIONS

Wing Span (ft)	30
Wing Area (sq ft)	160
Wing Loading (lbs per sq ft)	15.0
Length (ft)	23.5
Height (ft)	7.3
Power Loading (lbs per hp)	13.3

## LANDING GEAR

Wheel Base (ft)	6.2
Wheel Tread (ft)	10
Tire Pressure (psi)	Nose 24
	Main 24
Tire Size	Nose (4 ply rating) 6.00 x 6
	Main (4 ply rating) 6.00 x 6