

# SERVICE

# MEMO

Service Memo No. 59  
(Revised)

## MODEL PA-20

Specification Data:	"125"	"135"
Engine	Lyc. 0-290-D	Lyc. 0-290-D2
HP and RPM	125 at 2600	135 at 2600
Gross Weight (lbs.)	1800	1950
Empty Weight (Standard) (lbs.)	970	1020
Useful Load (lbs.)	830	930
Wing Span (ft.)	29.3	29.3
Wing Area (sq. ft.)	147.5	147.5
Length (ft.)	20.4	20.4
Height (in.)	74.5	74.5
Propeller Diameter (max. in.)	74.0	74.0
Power Loading	14.4	14.4
Wing Loading	12.2	13.2
Baggage Capacity	50	50
Fuel Capacity	36	36
Tire Pressure (lbs.)	20	20
Top Speed (mph)	135	139
Cruising Speed (75% power at sea level MPH)	125	125
Optimum Cruising Speed (75% power, 7000' MPH)		134
Stalling Speed (mph)	48	48*
Take-off Run (ft.)	1372	1220*
Take-off over 50' barrier (ft.)	1788	1600*
Landing Roll (ft.)	500	500*
Landing Distance over 50' barrier (ft.)	1187	1280*
Best Rate of Climb Speed (mph)	84	84
Rate of Climb (ft. per min.)	810	620
Best Angle of Climb Speed (mph)		70
Best Angle of Climb (ratio)		1:11
Service Ceiling	14250	15000
Absolute Ceiling	16250	17500
Fuel Consumption (gal. /hr. - 75% power)	7.7	7.7
Cruising Range	580	580

\* Flaps Extended