

SERVICE

MEMO

Service Memo No. 48

PIPER FAMILY CRUISER
1949 Model, PA-14

DIMENSIONS AND WEIGHTS

Gross Weight	
Normal Category	1850 lbs.
Utility Category	1550 lbs.
Empty Weight	1020 lbs.
Wing Span	35'5.5
Wing Area (sq. ft.)	179.3
Wing Chord	63"
Overall Length	23'2.5
Overall Height	77"
Propeller Diameter	74"
Power Loading (lbs./hp)	17.1
Wing Loading (lbs./sq. ft.)	10.3
Baggage Capacity	80 lbs.
Tire Pressure (lb./sq. in.)	22

PERFORMANCE

Top Speed (mph)	123
Cruising Speed (mph)	110
Stalling Speed (mph) Flaps Down	46
Take-off Run	720'
Landing Roll	470'
Best Rate of Climb Speed (mph)	73
Rate of Climb (ft./min.)	600'
Cruising Range (miles)	500
Service Ceiling	12,500
Absolute Ceiling	14,500
Fuel Consumption (full rich)	7 gph
(lean)	6.2 gph