

SERVICE

MEMO

June 4, 1952

Service Memo No. 47

PIPER MODEL PA-12 SUPER CRUISER SPECIFICATIONS

	<u>Normal</u>	<u>Utility</u>
HP and RPM	100-2600	100-2600
Gross Weight	1750	1500
Empty Weight	950	950
Wing Span	35' 5.5"	35' 5.5"
Wing Chord	63"	63"
Overall Length	22' 10"	22' 10"
Overall Height	6' 10"	6' 10"
Propeller Diameter	76"	76"
Power Load lbs./hp	17.5	15
Wing Load lbs./sq. ft.	9.8	8.36
Baggage Capacity	41	----
Cruising Speed mph	105	105
Stalling Speed (T. I. A. S.)	49	----
Take-off Run (Minimum)	720	480
Landing Roll (Minimum)	470	390
Rate of Climb - sea level ft./min.	600	750
Best Rate of Climb Speed (T. I. A. S.)	75	70
Cruising Range (Miles)	600	600
Service Ceiling	12,600	15,700
Absolute Ceiling	15,500	18,000
Gliding Ratio	11 to 1	11 to 1
Fuel Consumption gal./hr. Cruising	6.5	6.5
Fuel Capacity, gallons	38	38
Fuel Octane Rating	73	73
Brake Fluid		
Above 40 ^o F. Houdaille L-475		
Below 40 ^o F. Univis 40		
Tire Pressure lbs./sq. in.	18	18