

SERVICE

MEMO

Service Memo No. 46

PIPER CUB SPECIAL PA-11

DIMENSIONS & WEIGHT

ENGINE	<u>Cont. 65 H.P.</u>	<u>Cont. 90 H.P.</u>
Gross Wt. - lbs.	1220	1220
Empty Wt. - lbs.	730	750
Useful Load - lbs.	490	470
Wing Span	35' 2-1/2"	35' 2-1/2"
Wing Area - sq. ft.	178.5	178.5
Wing Chord - in.	5.3	5.3
Length - overall	22' 4-1/2"	22' 4-1/2"
Height - overall	6' 8"	6' 8"
Prop. Diam. (inches)	72	72
Power Loading (lbs. - h.p.)	18.7	13.5
Wing Loading (lbs. - sq. ft.)	6.9	6.9
Baggage Capacity (lbs.)	20	20

PERFORMANCE

Top Speed (MPH)	100	112
Cruising Speed (MPH)	87	100
Stalling Speed (MPH)	38	40
Take-off Run (ft.)	350	250
Take-off over 50' barrier (ft.)		475
Landing Roll (ft.)	290	290
Landing Roll over 50' barrier (ft.)		550
Best Rate of Climb Speed (MPH)	55	55
Rate of Climb (ft. per min.)	514	900
Fuel Capacity (gals.)	18	18
Cruising Range (miles)	300	350
Fuel Consumption F.R. (gal. per hr.)	4.7	5
Fuel Consumption - lean (gal. per hr.)	4	4.8
Service Ceiling (ft.)	14,000	16,000
Absolute Ceiling (ft.)	16,000	18,000

PIPER AIRCRAFT CORPORATION, LOCK HAVEN, PA., U. S. A.