

SPECIFICATION FEATURES:

POWER PLANT	PA-28-150	PA-28-160	PA-28-180
Engine - Lycoming	*O-320-A2B	*O-320-B2B	O-360-A2A
Engine - Lycoming	**O-320-E2A	**O-320-D2A	
Rated Horsepower	150	160	180
Rated Speed RPM	2700	2700	2700
Bore, inches	5.125	5.125	5.125
Stroke, inches	3.875	3.875	4.375
Displacement			
(cubic inches)	319.8	319.8	361.0
Compression Ratio	7:1	8.5:1	8.5:1
Dry Weight, pounds	272	278	285
Fuel Consumption			
(75% power, gph)	9	9	10
Oil Sump Capacity (qts)	8	8	8
Fuel Aviation Grade			
Octane	80	91/96	91/96
Propeller (Sensenich)	M74DM58	M74DM60	M76EMM60

PERFORMANCE

Take-off Run, ft.	800	775	775
Best Rate of Climb			
Speed (MPH)	85	85	85
Rate of Climb (ft. per min.)	660	700	720
Service Ceiling (ft.)	14,300	15,000	15,700
Absolute Ceiling	16,800	17,500	18,300
Top Speed (MPH)	139 (142***)	141 (144***)	150
Cruising Speed (75% power, sea level MPH)	121 (124***)	123 (126***)	132

*This engine used in Cherokee with Serial Nos. 28-1 to 28-510

**This engine used in Cherokee with Serial Nos. 28-511 and up

***Wheel fenders optional equipment on PA-28-150 and -160

SECTION I

THE PIPER CHEROKEE

SPECIFICATION FEATURES: (cont)

PERFORMANCE	PA-28-150	PA-28-160	PA-28-180
Optimum Cruising Speed (75% power, 7000 ft., MPH)	130 (133****)	132 (135****)	141
Fuel Consumption (gal. per hr. 75%)	9	9	10
Cruising Range (75% power, sea level, std. fuel)	4 hrs. 490 mi.	4 hrs. 500 mi.	5 hrs. 660 mi.
Optimum Cruising Range (55% power, 10,000 ft. std. fuel,	5 hrs. 570 mi.	5 hrs. 580 mi.	7 hrs. 750 mi.
Cruising Range (75% power, sea level, reserve fuel)	5.5 hrs. 680 mi.	5.5 hrs. 695 mi.	
Optimum Cruising Range (55% power, 10,000 ft. reserve fuel 7.2 gph)	7 hrs. 790 mi.	7 hrs. 805 mi.	
Stalling Speed (flaps down, MPH)	54	55	57
Landing Roll (flaps down, ft.)	535	550	600

Performance figures are for standard airplanes flown at gross weight under standard conditions at sea level, or stated altitude. Any deviation from Standard equipment may result in changes in performance.

WEIGHTS	PA-28-150	PA-28-160	PA-28-180
Gross Weight (lbs)	2150	2200	2400
Empty Weight (Standard) (lbs)	1205	1210	1225

***Wheel fenders optional equipment on PA-28-150 and -160

THE PIPER CHEROKEE

SECTION I

SPECIFICATION FEATURES: (cont.)

WEIGHTS	PA-28-150	PA-28-160	PA-28-180
USEFUL LOAD			
(Standard) (lbs)	945	990	1175
Empty Weight (AutoFlight) (lbs)	1245	1250	1265
USEFUL LOAD (AutoFlight) (lbs)	905	950	1135
FUEL AND OIL			
Fuel Capacity (Standard) (gal)	36	36	50
Fuel Capacity (with reserve) (gal)	50	50	8
Oil Capacity (qts)	8	8	
BAGGAGE			
Maximum Baggage (lbs)	100 (125*)	100 (125*)	125
Baggage Space (cubic ft)	19	19	19
Baggage Door Size (in)	20 x 22	20 x 22	20 x 22
DIMENSIONS			
Wing Span (ft)	30	30	30
Wing Area (sq ft)	160	160	160
Wing Loading (lbs per sq. ft)	13.4	13.8	15.0
Length (ft)	23.3	23.3	23.3
Height	7.3	7.3	7.3
Power Loading (lbs per HP)	14.3	13.8	13.3
LANDING GEAR			
Wheel Base (ft)	6.2	6.2	6.2
Wheel Tread (ft)	10	10	10
Tire Pressure (lbs)	24	24	24
Nose Main	24	24	24

*PA-28 - Serial Nos. 28-725 and up