

GENERAL SPECIFICATIONS

Performance.....	1-1
Weights	1-2
Power Plant.....	1-2
Fuel and Oil	1-2
Baggage Area	1-2
Dimensions	1-2
Landing Gear	1-3
3-View.....	1-4

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GENERAL SPECIFICATIONS

PERFORMANCE

Published figures are for standard airplanes flown at gross weight under standard conditions at sea level unless otherwise stated. Performance for a specific airplane may vary from published figures depending upon the equipment installed, the conditions of engine, airplane and equipment, atmospheric conditions and piloting technique. Each performance figure below is subject to the same conditions as on the corresponding performance chart from which it is taken in the Performance Charts Section.

GROSS WEIGHTS	3400	2900
Takeoff Ground Run, 10° flaps, sea level (ft)	1325	750
Takeoff Distance Over 50-ft Obstacle, 10° flaps, sea level (ft)	1900	1325
Best Rate of Climb Speed (mph)	105	97
Rate of Climb (ft per min)	775	1055
Best Angle of Climb Speed (mph)	95	—
Max Speed, sea level (mph)	164*	166*
Max Speed Optimum Altitude 8,300 ft. 75% power (TAS) (mph)	153*	156*
Service Ceiling (ft)	12,800	17,250
Absolute Ceiling (ft)	14,750	19,000
Cruise Speed at Best Power Mixture (mph)		
65% power, 11,200 ft	145	149
55% power, 14,800 ft	133	143
Range at Best Power Mixture (mi)**		
75% power, 8,300 ft	765	760
65% power, 11,200 ft	835	892
55% power, 14,800 ft	895	945
Cruise Speed at Best Economy Mixture (mph)		
75% power, 8,400 ft at 3400 lbs, 8,300 ft at 2900 lbs	152	155
65% power, 9,200 ft at 3400 lbs, 10,200 ft at 2900 lbs	143	149
55% power, 14,800 ft	131	139
Range at Best Economy Mixture (mi)**		
75% power, 8,400 ft at 3400 lbs, 8,300 ft at 2900 lbs	890	910
65% power, 9,200 ft at 3400 lbs, 10,200 ft at 2900 lbs	965	1000
55% power, 14,800 ft	1035	1100
Stalling Speed, flaps down, (CAS) (mph)	63	58
Stalling Speed, flaps up, (CAS) (mph)	71	66
Landing Roll, flaps down, sea level (ft)	630	540
Landing Distance Over 50-ft Obstacle, sea level, (ft)	1000	850

*The speed stated is with optional wheel fairings installed. Subtract 3 mph if wheel fairings are not installed.

**No reserve.

CHEROKEE SIX-260

	GROSS WEIGHTS	3400	2900
WEIGHTS			
Standard Empty Weight (lbs)		1767	1767
Maximum Useful Load (lbs)		1633	1133

POWER PLANT

Engine - Lycoming	O-540-E4B5
Rated Horsepower	260
Rated Speed (rpm)	2700
Bore (inches)	5.125
Displacement (cubic inches)	541.5
Compression Ratio	8.5:1
Dry Weight (pounds)	397
Oil Sump Capacity (qts)	12
Propeller	HC-C2YK-1()/8477-2 or HC-C2YK-1()/F8477-2
Propeller Diameter (inches)	82

FUEL AND OIL

Fuel Capacity Main Tanks (U.S. gal)	50
Fuel Capacity Tip Tanks (U.S. gal)	34
Oil Capacity (qts)	12
Fuel, Aviation Grade (min. octane)	100/130

BAGGAGE

	Forward	Aft
Maximum Baggage (lbs)	100	100
Baggage Space (cubic ft)	8	20
Hat Shelf (cubic ft)		2
Baggage Door Size (in)	16 x 22	

DIMENSIONS

Wing Span (ft)	32.8
Wing Area (sq ft)	174.5
Wing Loading (lbs per sq ft)	19.5
Length (ft)	27.7
Height (ft)	8.2
Power Loading (lbs per hp.)	13.1

LANDING GEAR

Wheel Base (ft)		7.8
Wheel Tread (ft)		10.6
Tire Pressure (lbs)	Nose	28-30
	Main	35-40

CHEROKEE SIX-260

