

THIS DOCUMENT MUST BE KEPT IN THE AIRPLANE AT ALL TIMES

**Piper PA-15**

Normal and Utility Category  
(with Cont. A-65-8)  
(and Item 211 bungee gear)

**AIRPLANE FLIGHT MANUAL**

1 **Limitations**

**The following limitations must be observed in the operation of this airplane:**

**Engine** Continental A-65-8 or 8F  
For all operations - 2300 RPM - 65 HP  
80 Minimum Octane Aviation Gasoline  
Fixed Pitch Wood 72" Maximum Diameter  
68" Minimum Diameter  
Static Limits Maximum 2200 RPM  
Minimum 2000 RPM

**Power Instruments** Oil Temperature: Unsafe if indicator exceeds  
RED Line (220°F)  
Oil Pressure: Unsafe if indicator exceeds  
RED Line (40 lbs Maximum) or is below the  
RED Line (10lbs. Minimum)  
Tachometer: RED line at rated engine speed.  
DO NOT EXCEED

<b>Airspeed Limits</b>	<b>Normal</b>	<b>Utility</b>
(True Indicated Airspeed)		
Never Exceed	126	135
Max, Cruising Speed	100	100
Maneuvering Speed	87	94
Max. Positive Load	3.8	4.4
Factors		
Max. Negative Load	<b>No Inverted Maneuvers</b>	
Factors	<b>Approved</b>	
<b>Maximum Weight</b>	1150 lbs.	1150 lbs.
<b>C.G. Range</b> (Aft of Wing Leading Edge)	12.5"-19"	12.5"-17"
<b>Maximum Baggage Allowed:</b>	40 lbs	0 lbs.

NOTE: It is the responsibility of the airplane owner and the pilot to insure that the airplane is properly loaded.

- (a) No acrobatic maneuvers approved for Normal Category Operation.
- (b) The following maneuvers are approved for operation in the Utility Category only, with recommended entry speeds shown:

<b>Maneuver</b>	<b>Entry Speed T.I.A.S.</b>
Chandelles	100 MPH
Lazy Eights	100 MPH
Steep Turns	90 MPH
Spins	Stall
Stalls (except Whip Stalls)	Stall

**Leveling Means :** Plumb Bob from upper door channel to center punch mark on front seat cross tube.

**Airspeed Instrument  
Markings and Their  
Significance**

- (a) Radial RED Line (126) marks the never exceed speed which is the maximum safe airspeed.
- (b) YELLOW arc (100-126) on indicator denotes range of speed in which operations should be conducted with caution and only in smooth air.
- (c) GREEN arc (45-100) denotes normal operating speed range.

**2 Procedures** (a) ALL OPERATING PROCEDURES ARE NORMAL

**3 Performance Information**

The following performance figures were obtained during Civil Aeronautics Administration Type Tests and may be realized under conditions indicated with the airplane and engine in good condition and with average pilotong technique.

All performance is given for the Continental A-65-8 engine installation, fixed pitch propeller, 1150 pounds weight, with no wind and on level, paved runways.

In using the following data allowance for actual conditions must be made.

**PIPER AIRCRAFT CORPORATION**  
**LOCK HAVEN, PENNA.**

REPORT: 596  
MODEL: PA-15

ITEM	ALT.	OUTSIDE AIR TEMPERATURE					
		0°F	20°F	40°F	60°F	80°F	100°F
	<b>Sea Level</b>						
<b><u>Take-Off Distance (In Feet)</u></b>		1273	1369	1470	1572	1680	1799
Distance to Take-Off and climb 50 ft. at full throttle	<b>1000</b>				1822	1949	2099
	<b>3000</b>	1815	1964	2122	2302	2486	2699
MPH 63 TIAS	<b>5000</b>	2374	2599	2860	3130	3407	3755
	<b>7000</b>	3325	3695	4140	4675	5205	5855
	<b>Sea Level</b>						
<b><u>Landing Distance (In Feet)</u></b>		1224	1243	1261	1250	1297	1316
Distance required to land over 50 ft. obstacle and stop.	<b>3000</b>	1273	1293	1315	1335	1356	1378
	<b>5000</b>	1310	1332	1356	1376	1399	1422
Approach at 63 MPH TIAS	<b>7000</b>	1350	1373	1398	1425	1447	1471
	<b>Sea Level</b>						
<b><u>Normal Rate of Climb</u></b>		555	530	508	490	472	456
In feet per minute, Airspeed	<b>3000</b>	427	408	390	370	353	337
	<b>5000</b>	345	325	305	290	272	255
MPH 65 TIAS	<b>7000</b>	260	245	225	208	190	175
<b>Angle of Bank</b>	0°	10°	20°	30°	40°	50°	60°
<b>Stalling Speeds (M.P.H. T.I.A.S)</b> Power Off	48	49	50	52	55	60	69