

Control Surface
Movements

Ailerons	19°	Up	15°	Down
Stabilator (T.E.)	15½°	Up	4½°	Down
Rudder	27°	Right	27°	Left(Down) T7Tj -1.56 -10.569TD TjUp,S TD Tj

NOTE 2. 2.

NOTE 5. Optional engines eligible for installation and applicable limitations.	
<u>Engines</u>	1 Lycoming IO-320-B1A (Left) 1 Lycoming LIO-320-B1A (Right)
<u>Fuel</u>	100/130 minimum grade aviation gasoline
<u>Engine Limits</u>	For all operations, 2700 r.p.m. (160 hp) (See Maneuvers under Limitations Section of AFM)
<u>Propellers and Propeller Limits</u>	1 Hartzell, Hub Model HC-E2YL-2, -2A, -2B, -2C, -2D, -2BS or -2BSF (Left) * 1 Hartzell, Hub Model HC-E2YL-2BL, -2BLS, -2BLF, or -2BLSF (Right) * Blades Model 7663-4 or F7663-4 (Left) ** J7663-4 or FJ7663-4 (Right) **
	* The -2BS, -2BSF, -2BLS, and -2BLSF propellers not to be intermixed with other propellers listed. ** Blades prefixed by an "F" may be used only on propeller hubs suffixed by an "F".
<u>Governors</u>	1 Hartzell hydraulic governor, Model F-6, F-6-3, F-6-3S, or F-6-3A (Left) 1 Hartzell hydraulic governor, Model F-6-3AL (Right)
<u>Airspeed Limits (CAS)</u>	V _{mc} Minimum Control Speed 80 mph (69 Knots)
<u>C.G. Range (gear extended)</u>	(+82.0) to (+92.0) at 2825 lb. or less
<u>Equipment</u>	(a) FAA-DOA approved Airplane Flight Manual Report 1269 for Model PA-30, Serial Nos. 30-1 through 30-1716 and 30-1718 through 30-1744, dated February 5, 1963, reissued November 15, 1969 and FAA-DOA approved Flight Manual Supplements. (b) FAA-DOA approved Airplane Flight Manual Report 1515 for Model PA-30,