

VIII. Model 172N, Skyhawk, 4 PCL-SM (Normal Category), 2 PCLM (Utility Category), approved May 17, 1976

Engine	Lycoming O-320-H2AD	
*Fuel	100/130 minimum grade aviation gasoline (S/N 17261445, 17267585 through 17269309)	
	100LL/100 minimum grade aviation gasoline (S/N 17261578, 17269310 through 17274009)	
*Engine Limits	For all operations, 2700 rpm (160 hp)	
Propeller and Propeller Limits	1. Propeller (a) McCauley 1C160/DTM 7557 Static rpm at maximum permissible throttle setting: Not over 2400, not under 2280 No additional tolerance permitted Diameter: not over 75 in., not under 74 in. (b) Spinner: Dwg. 0550320 2. Propeller (seaplane only) (a) McCauley 1A175/ETM 8042 Static rpm at maximum permissible throttle setting: Not over 2570, not under 2470 No additional tolerance permitted Diameter: not over 80 in., not under 78.5 in. (b) Spinner: Dwg. 0550320	
*Airspeed Limits (CAS) (See NOTE 4 on use of CAS)	1977 Model through 1979 Model:	
	Maneuvering	97 knots
	Maximum structural cruising	128 knots
	Never exceed	160 knots
	Flaps extended	85 knots
	1980 Model:	
	Maneuvering	97 knots
	Maximum structural cruising	127 knots
	Never exceed	158 knots
	Flaps extended	85 knots
C.G. Range	Landplane:	
	Normal category	(+38.5) to (+47.3) at 2300 lbs. (+35.0) to (+47.3) at 1950 lbs. or less
	Utility category	(+35.5) to (+40.5) at 2000 lbs. (+35.0) to (+40.5) at 1950 lbs. or less
	Seaplane: (Edo 89-2000 or 89A2000 floats)	
	Normal category	(+39.8) to (+45.5) at 2220 lbs. (+36.4) to (+45.5) at 1825 lbs. or less
	Straight line variation between points given.	
Empty Weight C.G. Range	None	
*Maximum Weight	Normal category: 2300 lb. (landplane); 2220 lb. (seaplane) Utility category: 2000 lb. (landplane)	
Number of Seats	4 (2 at +34 to +46, 2 at +73) (Occupant on child's optional jump seat at +96)	

VIII. Model 172N (cont'd)

Maximum Baggage	120 lb. at +95		
Fuel Capacity	42 gal. total, 40 gal. usable (two 21.5 gal. tanks in wings at +48) <i>See Note 1 for data on unusable fuel.</i>		
Oil Capacity	1.5 gal. (-14.0), 1.0 gal. usable		
Control Surface Movements	Wing flaps	Takeoff	0° - 10° (landplane) (seaplane)
		Landing	0° - 40° +0°, -2° (landplane) 0° - 30° ±2° (seaplane)
	Ailerons	Up	20° ±1° Down 15° ±1°
	Elevator tab	Up	28° +1°, -0° Down 13° +1°, -0°
	Elevator	Up	28° +1°, -0° Down 23° +1°, -0°
	(Neutral position is with bottom of balance area flush with bottom of stabilizer.)		
	Rudder (landplane)	Right	16° ±1° Left 16° ±1° (landplane)
	(seaplane)	Right	19° ±1° Left 15° ±1° (seaplane)
	(Measured parallel to W.L.)		
Serial Numbers Eligible	17261445, 17267585 through 17269309 (1977 model) 17261578, 17269310 through 17271034 (1978 model) (except 17270050) 17271035 through 17272884 (1979 model) 17270050, 17272885 through 17274009 (1980 model)		

IX. Model 172P, Skyhawk, 4 PCL-SM (Normal Category), 2 PCLM (Utility Category), approved May 13, 1980

Engine	Lycoming O-320-D2J	
*Fuel	100LL/100 minimum grade aviation gasoline	
*Engine Limits	For all operations, 2700 rpm (160 hp)	
Propeller and Propeller Limits	1. Propeller	
	(a) McCauley 1C160/DTM 7557	Static rpm at maximum permissible throttle setting: Not over 2420, not under 2300 No additional tolerance permitted Diameter: not over 75 in., not under 74 in.
	(b) Spinner: Dwg. 0550320	
	2. Propeller (floatplane only)	
	(a) McCauley 1A175/ETM 8043	Static rpm at maximum permissible throttle setting: Not over 2570, not under 2470 No additional tolerance permitted Diameter: not over 80 in., not under 78.5 in.
	(b) Spinner: Dwg. 0550320	
*Airspeed Limits (CAS) (See NOTE 4 on use of CAS)	Maneuvering	99 knots (landplane) 96 knots (floatplane)
	Maximum structural cruising	127 knots
	Never exceed	158 knots
	Flaps extended	85 knots