

Owner's Maintenance & Flight Manual



HUGHES

269A

HUGHES TOOL COMPANY • AIRCRAFT DIVISION • CULVER CITY, CALIFORNIA

b. Instrument flight prohibited.

- c. Night flight prohibited when landing, navigation, map, or instrument lights are not installed. Night flight operation is limited to visual contact flight conditions. Orientation shall be maintained through visual reference to ground objects solely as a result of lights on the ground or adequate celestial illumination.
- d. Rearward flight or hovering downwind can be conducted up to speeds of 23 mph IAS. Maximum possible operating wind velocities have not been established.
- e. Minimum crew, one pilot.
- f. Continuous hover at 2700 rpm 5 feet maximum skid height permitted.

5. WEIGHT AND CG LIMITATIONS

- a. Maximum takeoff and landing weight: 1550 pounds.
NOTE: This helicopter is to be operated in accordance with the approved loading schedule (see Section IV).
- b. Forward CG limit station: 95.0.
- c. Aft CG limit station: 100.0.
- d. Datum line (Station 100) is rotor centerline.

6. MARKINGS AND PLACARDS

1. Instrument Markings

General:

Red radial lines; maximum and minimum limits.
Yellow arc: cautionary range.
Green arc: normal operating range.

- a. Engine Oil Temperature
Red radial line: 104° and 244°F.
Green arc: 160° to 244°F.
Yellow arc: 104° to 160°F.
- b. Engine Oil Pressure
Red radial lines: 60 and 85 psi.
Green arc: 60 to 85 psi.
- c. Cylinder Head Temperature

FAA approved Sept. 1, 1962
Model 269A Helicopter

Red radial line: 500°F.
Green arc: 230° to 450°F.
Yellow arc: 450° to 500°F.

d. Fuel Pressure

Red radial lines: 9 and 15 psi.
Green arc: 9 to 15 psi.

e. Transmission Oil Temperature and Pressure

Warning lights on the instrument panel come on when transmission oil pressure drops below 2½ ±¼ psi or temperature exceeds 235°F.

f. Engine Tachometer

Red radial lines: 2500 and 2900 rpm.
Green arc: 1200 to 1600 and 2500 to 2700 rpm.
Yellow arc: 2700 to 2900 rpm.

g. Rotor Tachometer

Red radial lines: 400 rpm and 530 rpm.
Green arc: 400 to 530 rpm.

h. Air Speed Indicator

Red radial line: 86 mph.
Green arc: 40 to 86 mph.

i. Manifold Pressure

Red radial line: 26 inches

j. Carburetor Air Temperature (optional)

Red radial line: at 125°F.
Green arc: 60° to 105°F.
Yellow arc: 15° to 60°F.