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## INSTRUMENT MARKINGS

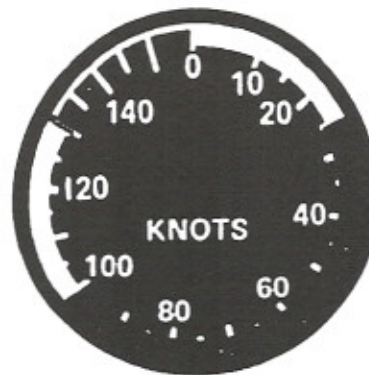
### INTER TURBINE TEMPERATURE

765° to 810°C   
 810°C   
 200° to 765°C 




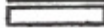

### AIRSPEED

0 to 25   
 25 to 100   
 100 to 130 knots   
 130 knots 





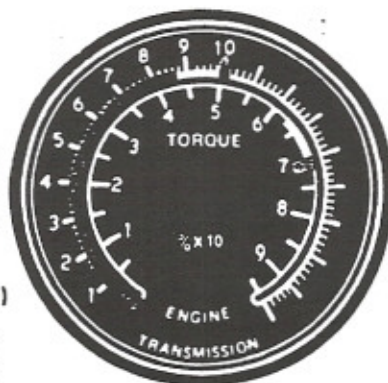
### DUAL TORQUE INDICATOR

TRANSMISSION (TWIN ENGINE OPERATION)

to 87.5%   
 87.5 to 100%   
 100% 

ENGINE (SINGLE ENGINE OPERATION)

63.9 to 71.8%   
 71.8% 



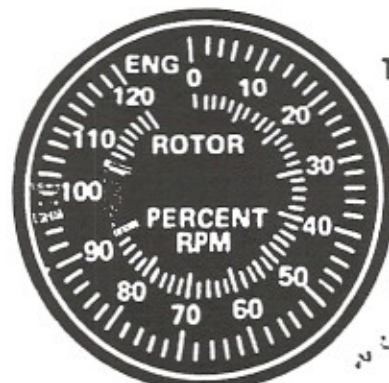
### TRIPLE TACHOMETER

ROTOR





91%   
 91 to 104.5%   
 104.5% 

ENGINE

97%   
 97 to 100%   
 100% 







### HYDRAULIC INDICATOR SYSTEM 1

600 PSI   
 600 to 900 PSI   
 900 to 1100 PSI   
 1100 PSI 

88°C 



### HYDRAULIC INDICATOR SYSTEM 2

600 PSI   
 600 to 900 PSI   
 900 to 1100 PSI   
 1100 PSI 

88°C 



# INSTRUMENT MARKINGS

## COMBINING GEARBOX OIL TEMPERATURE AND PRESSURE

TEMPERATURE (T)  
 0°C  
 0° to 107°C  
 107°C

PRESSURE (P)  
 40 PSI  
 40 to 60 PSI  
 60 to 80 PSI  
 80 PSI



## GAS PRODUCER TACHOMETER

55% to 100%  
 100%



## TRANSMISSION OIL TEMPERATURE AND PRESSURE

TEMPERATURE (T)  
 15° to 110°C  
 110°C

PRESSURE (P)  
 30 PSI  
 30 to 40 PSI  
 40 to 70 PSI  
 70 PSI



## ENGINE OIL TEMPERATURE AND PRESSURE

TEMPERATURE (T)

5°C  
 5° to 107°C  
 107°C

PRESSURE (P)  
 40 PSI  
 40 to 80 PSI  
 80 to 115 PSI  
 115 PSI



## AMMETER

0 to 75 AMPS  
 75 to 150 AMPS  
 150 AMPS



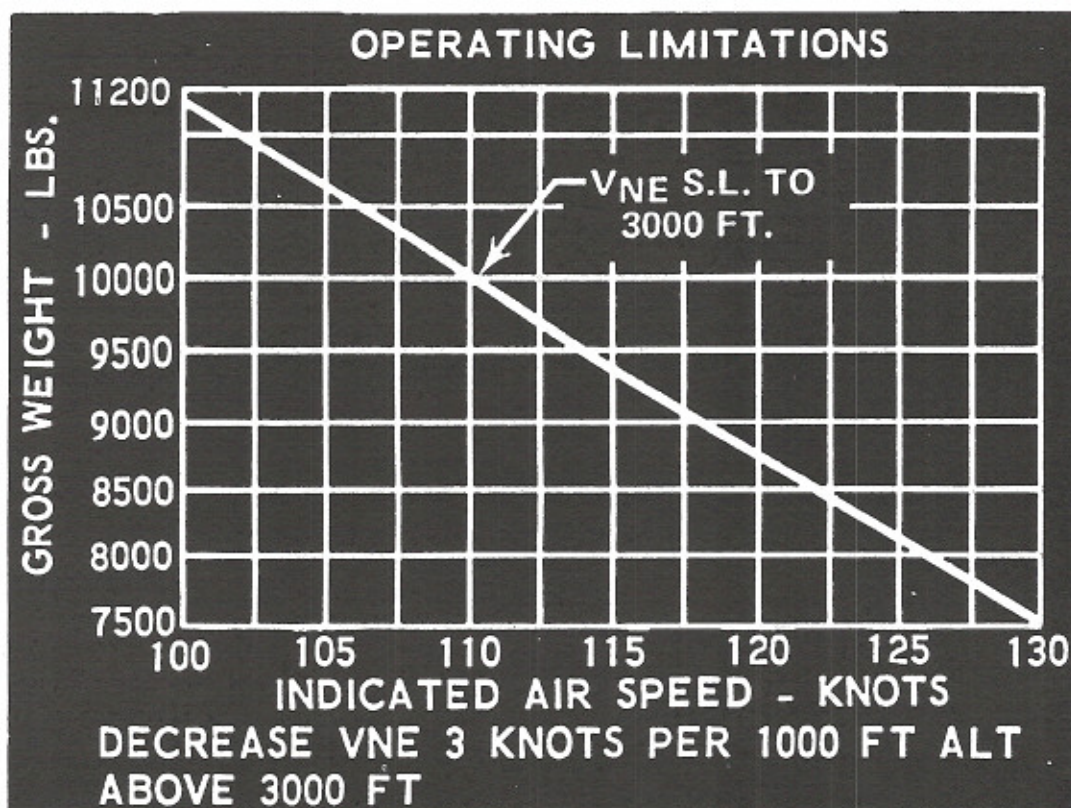
## FUEL PRESSURE

4 PSI  
 4 to 35 PSI  
 35 PSI



**DO NOT OPERATE HEATER  
ABOVE 21°C O.A.T.**

**BAGGAGE FIRE  
TEST SWITCH**

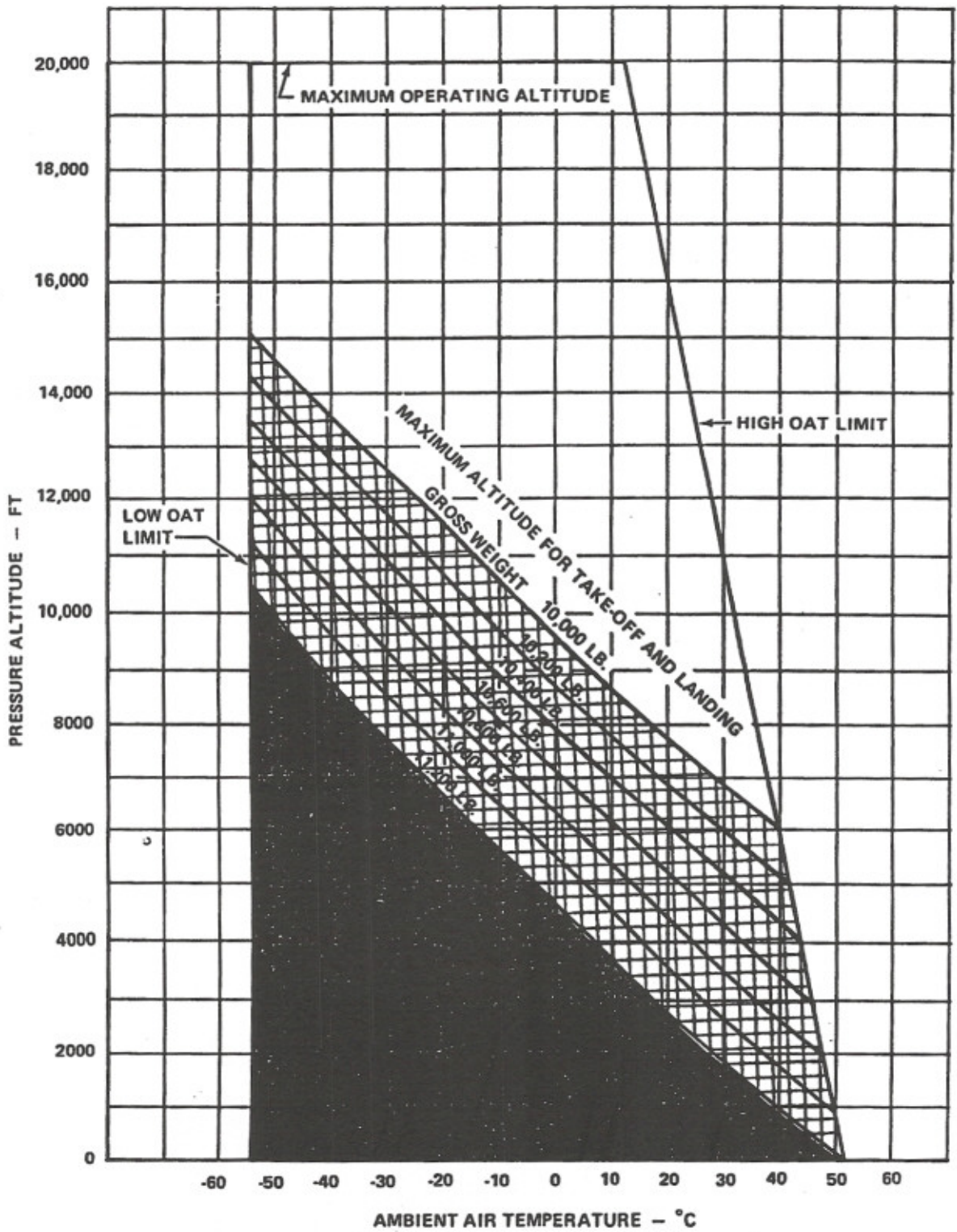


**FUEL SYSTEM CAPACITY  
TOTAL BASIC SHIP 1400 LBS  
WITH 044 11 AUX KIT 1700 LBS  
WITH 045-11 AUX KIT 2600 LBS**

**NO SMOKING  
FASTEN BELTS**

Panel aft end of overhead console

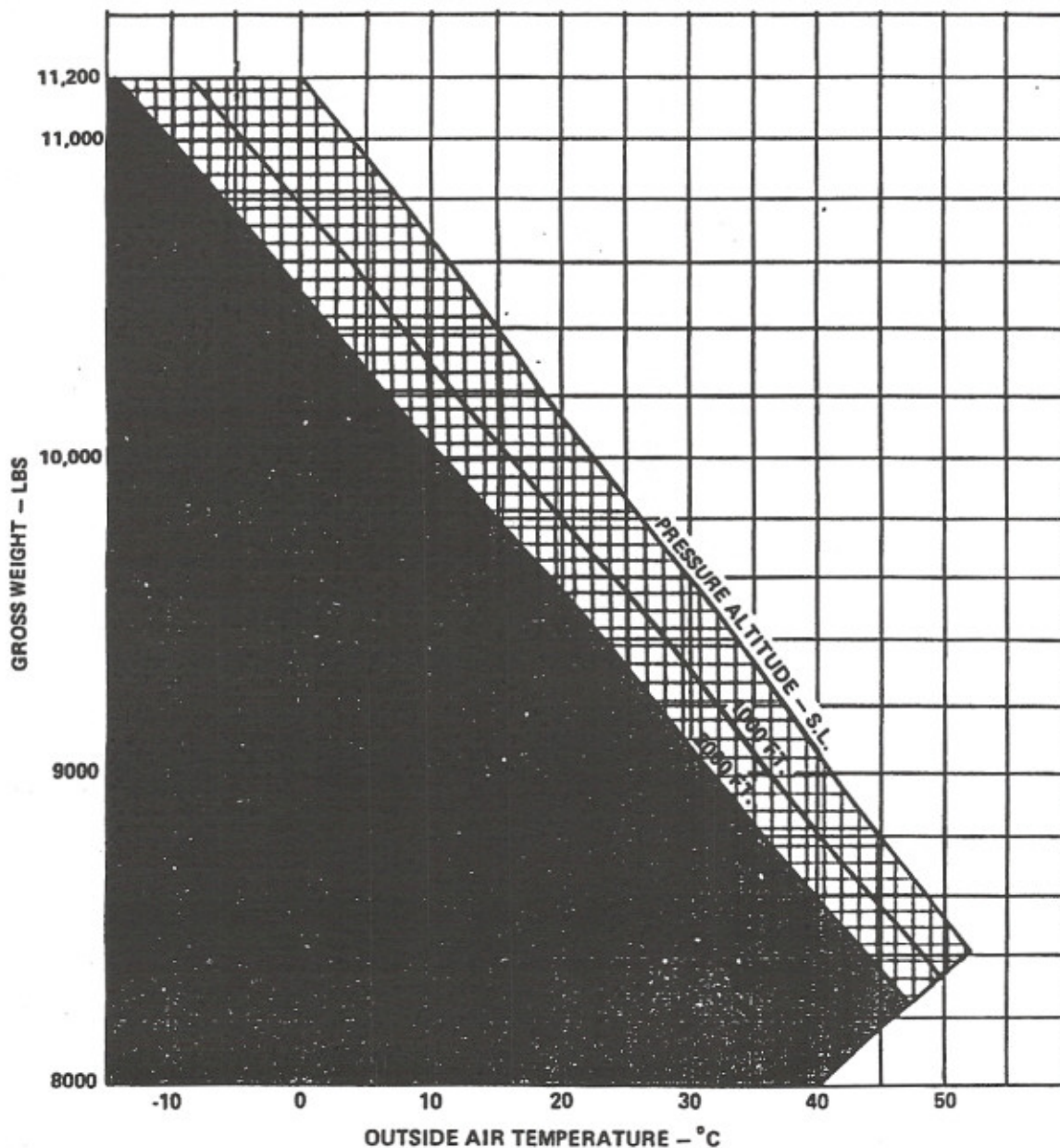
**THIS HELICOPTER MUST BE OPERATED  
IN COMPLIANCE WITH THE OPERATING  
LIMITATIONS SPECIFIED IN THE FAA  
APPROVED ROTORCRAFT FLIGHT MAN.**



**TAKE-OFF AND LANDING VS ALTITUDE  
AND AMBIENT AIR TEMPERATURE**

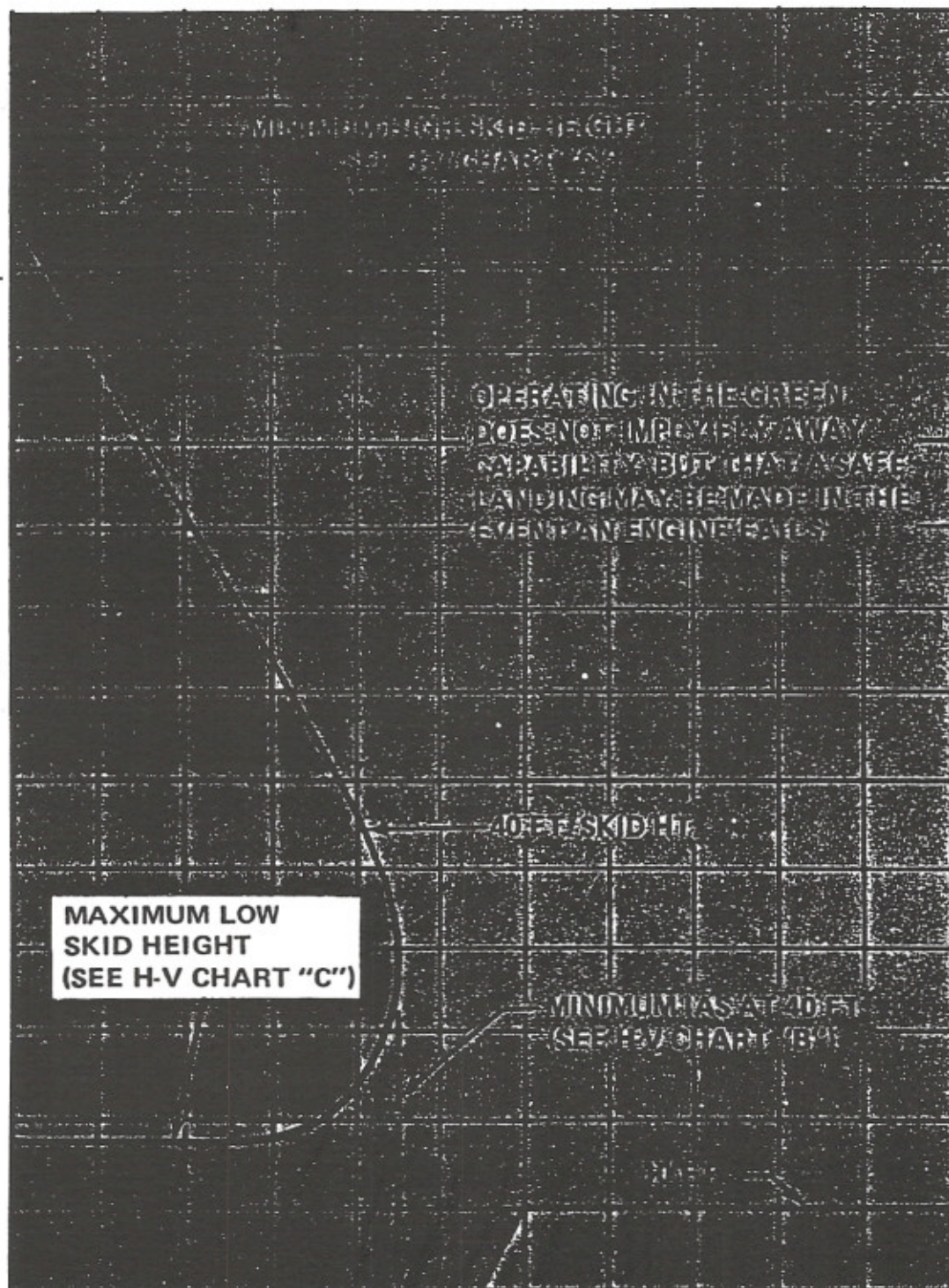
NOTE

FOR TAKE-OFF AT PRESS. ALT. LESS THAN 2000 FT., DETERMINE IF YOUR CONDITION OF GW VS PRESS. ALT. VS OAT FALLS IN THE GREEN OR YELLOW PORTION OF THE CHART. FOR GREEN NO H-V LIMITS APPLY; FOR YELLOW: THE H-V LIMITS SHOWN ON THE SINGLE ENGINE HEIGHT VELOCITY DIAGRAM.



HEIGHT VELOCITY DETERMINATION CHART

SKID HEIGHT - FT.



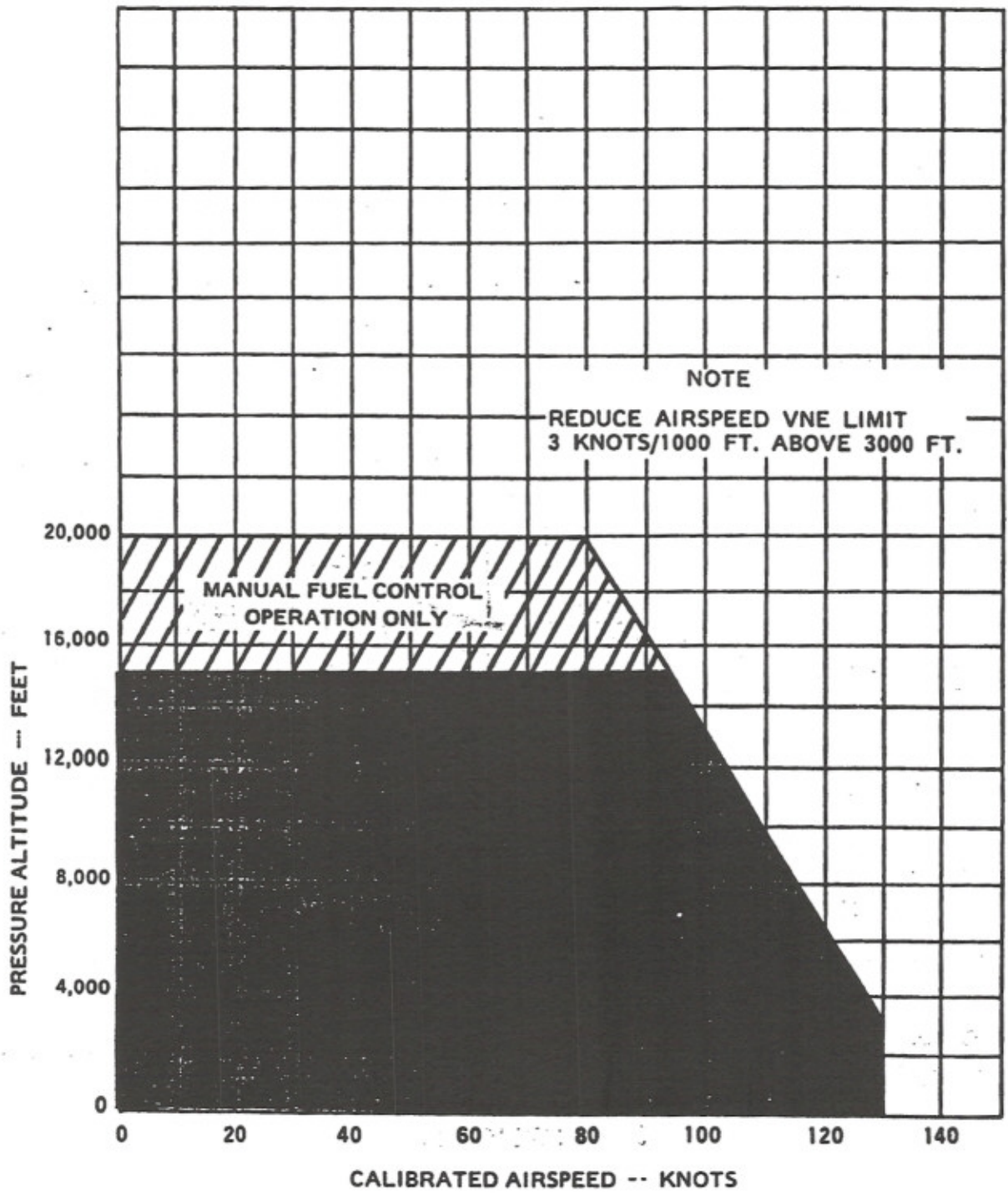
55

INDICATED AIRSPEED - KNOTS

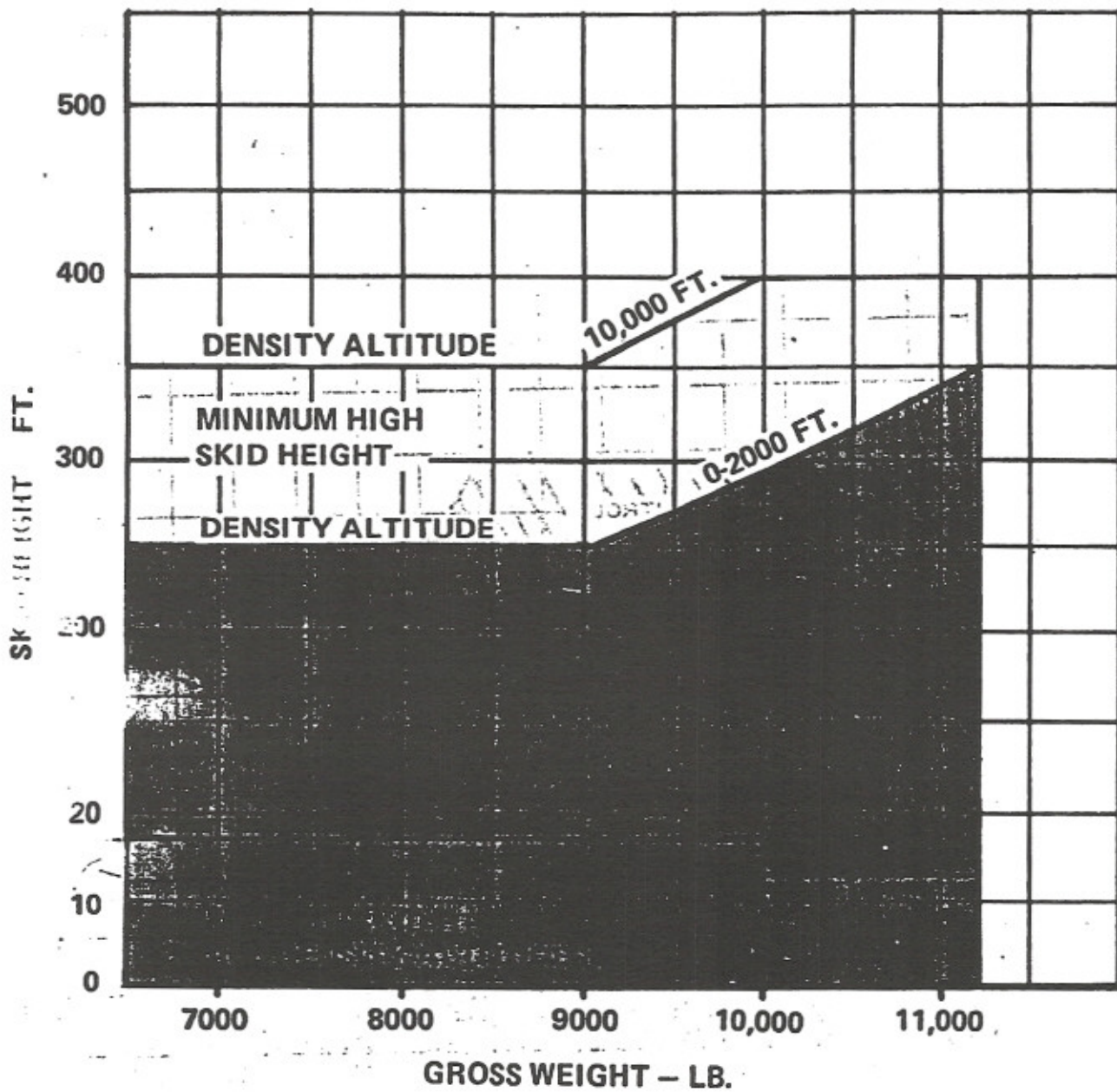
SINGLE ENGINE HEIGHT VELOCITY CHART "A"







## ENGINE RESTART LIMITATIONS



**SINGLE ENGINE HEIGHT VELOCITY CHART "C"**

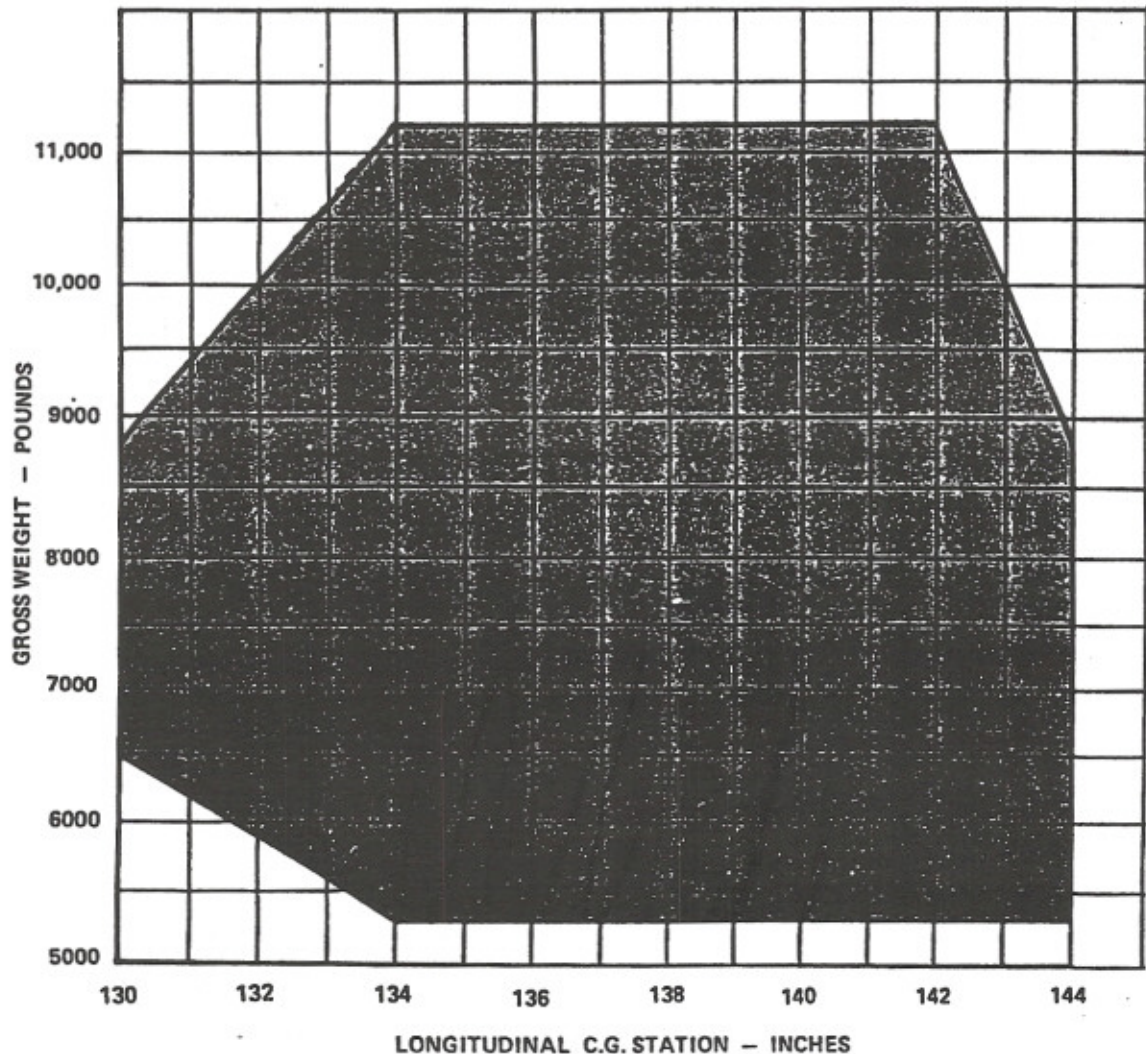
### CENTER OF GRAVITY LIMITS

Center of gravity limits are from Station 130.0 to Station 144.0. The center of gravity operational range is variable, depending upon gross weight and shall be computed from the weight and balance data.

### NOTE

Station 0 (datum) is located 20 inches aft of the most forward point of the cabin nose.

Maximum lateral center of gravity limits is 4.7 inches from the fuselage center line to the left and 6.5 inches to the right.



CENTER OF GRAVITY VS GROSS WEIGHT CHART

