

(A) (B)

MANIFOLD PRESSURE

19 To 36 IN AUTO LEAN PERMITTED

36 To 44 IN AUTO RICH REQUIRED

44 IN (CRITICAL ALTITUDE) METO -

(OPERATION ABOVE THIS PRESSURE LIMITED
TO 5 MINUTES AT TAKE-OFF.)

53.5 IN S.L. MAXIMUM (DRY)

56.5 IN S.L. MAXIMUM (WET)

(C) (D)

MANIFOLD PRESSURE

19 To 38 IN AUTO LEAN OR MANUAL LEAN
PERMITTED

38 To 51.5 IN AUTO RICH OR MANUAL ADJUST

51.5 IN S.L. METO (LOW BLOWER)

(OPERATION ABOVE THIS PRESS LIMITED TO

5 MIN AT MAXIMUM POWER, 30 MIN.

AT MILITARY POWER)

63.0 IN MAXIMUM (DRY) S.L.

62.0 IN MAXIMUM (WET) S.L.

TORQUE (A)

109 PSI METO (OPERATION ABOVE
THIS PRESSURE LIMITED TO
5 MINUTES AT TAKE-OFF)

118 PSI MAXIMUM (DRY)

135 PSI MAXIMUM (WET)

FUEL PRESSURE

14 PSI MINIMUM

21 TO 25 PSI CONTINUOUS OPERATION

26 PSI MAXIMUM

OIL PRESSURE

50 PSI MINIMUM AT 1400 RPM
(25 PSI PERMISSIBLE FOR
IDLE)

60 TO 100 PSI CONTINUOUS OPERATIONS

110 PSI MAXIMUM

OIL TEMPERATURE

40°C MINIMUM

60°C TO 85°C CONTINUOUS OPERATION

100°C MAXIMUM

CARBURATOR AIR TEMPERATURE (A) (B)

-10°C TO +15°C DANGER OF ICING

15°C MAXIMUM - HIGH BLOWER (EXCEPT
BELOW 1100 BHP DURING ICING
CONDITIONS)

15°C TO 38°C CONTINUOUS OPERATION

38°C MAXIMUM - LOW BLOWER WITH
CARB HEAT.

WING AND TAIL TEMP

150°C MAXIMUM WITH OVERHEAT
LIMIT SWITCH IN OVERRIDE

WATER PRESSURE

18 PSI MINIMUM

22 TO 25 PSI CONTINUOUS OPERATION

30 PSI MAXIMUM

AIR SPEEDS FOR FLAPS

200 KIAS	12° FLAPS
188 KIAS	15° FLAPS
176 KIAS	20° FLAPS
156 KIAS	30° FLAPS
141 KIAS	39° FLAPS

157 KNOTS FOR FULL AIRBORNE
DEFLECTION

140 KNOTS MAXIMUM FOR FEATHERED
PROP

132 KNOTS FOR GEAR RETRACTION

266 KNOTS MAXIMUM AIRSPEED
(SEA LEVEL TO 16,500 FT)

176 KNOTS FOR EXTENDING LANDING
GEAR & LANDING LIGHTS.

WATER QUANTITY

- 9 To 25 GALLONS REQUIRED FOR TAKEOFF
3 To 6 GALLONS - POSSIBLE SYSTEM
CUTOFF - DUE TO SLASHING
3 GALLONS - INJECTION SYSTEM
CUT OFF

HYDRAULIC BRAKE PRESSURE

- 1100 PSI ONE BRAKE APPLICATION
REMAINING
2900 TO 3100 PSI NORMAL
3600 PSI MAXIMUM

MAIN HYDRAULIC PRESSURE

- 2900 TO 3100 PSI NORMAL
3600 PSI NORMAL MAXIMUM

AIR BRAKE PRESSURE 70°F

- 850 PSI - ONE BRAKE APPLICATION
1450 PSI - MINIMUM
1450 TO 2000 PSI - NORMAL
2000 PSI MAXIMUM