

CESSNA 310 QUICK REFERENCE LIST

Max X-wind

XX

1. Engine Manufacture: CONTINENTAL

2. BHP T/O: 285 BHP @ 2700 RPM
Max Cont: 285 BHP@ 2700 RPM

3. FUEL: blue: 100LL/130

4. OIL: Grade Single grade SAE 50 above 9°C (40°F)
Single grade SAE30 or Multi grade SAE 10W30 below 9°C (40°F)
Aeroshell Ashless dispersant oil
Quantity min 9 quarts, normal 10 quarts, max 13 quarts

5. Normal Category

Maximum Ramp Weight: lbs
Maximum T/O Gross Weight: 5500 lbs Max ZFW lbs
Maximum Landing Weight: 5400 lbs Max ZFW lbs

6. Maximum Usuable Fuel

Wing mains: 102 US Gal/ 612 lbs usable
Aux: 41 US Gal/ 246 lbs usable
Wing locker: 20.5 US Gal/ 123 lbs usable
Total: 163.5 US Gal/ 981 lbs usable

7. Speeds MIAS

Vne	261
Vno	210
Va @ 5500 lbs	172
@ lbs	xxx
@ lbs	xxx
Vfe (0° to 15°)	180
Vfe (15° to 45°)	160
Vlo/le	160
Vs @ 5500 lbs	87
Vso @ 5500 lbs	78
Vmc	94
Vx	94
Vxse	113
Vy	122
Vyse	123
Vg (flaps & gear up) @ 7450 lbs	xx
Vg (flaps down)	xx
Vr	94
Vref T/O	106
Vcc	109
Vref landing @ 5500 lbs	108

8. Propeller:

9. Manifold pressure: normal upto 29 " Hg max 32" Hg

10. Oiltemperature: min 75 °F, max 240 °F

11. Oilpressure: min 10 psi, normal between 30 psi and 60 psi, max 100 psi

12. Cylinder Head temperature between 200°F and 460°F

13. Fuel Flow between 84 lbs/h and 175 lbs/h max 178.8 lbs/h

14. Cabin pressure:

15. Suction: min 4.5 "Hg, max 5.4 "Hg

16. Flight load factors

normal category:

Gear & Flaps up: + 3.8 g, - 1.52 g

Gear & Flaps down: + 2.0 g, - 0 g

17. Flap limitations:

Take off: 0°

Landing: 0° to 35°

18. Tire pressure Nose gear: xx psi

Main gear: xx psi

19. Hydraulic fluid: MIL-H-5606A

20. Alcohol windshield deice reservoir: fluid Isopropyl alcohol (MIL-F-5566)

Capacity 3.0 US Gal. Max 1 hour operation.

KIAS: <= 140

Discontinue alcohol dispersal 20 sec before reaching MDA

Do not operate more than 3 minutes without alcohol flow

21. Deice boots: do not operate when OAT <= -40°C (-40°F)

Allow 1/4 to 1/2 " ice to accumulate. Operate at least 45 sec intervals.

1/2 " of ice can reduce cruise speed with 30 kts

22. Electrical Windshield Anti-ice:

Before entering visible moisture when

OAT between 4.4°C (40°F) and -12°C (10°F): LOW

OAT below -12°C (10°F) : HIGH

When the windshield is covered with ice, do not operate for more than 20 sec.

23. Propeller Anti-ice ON when OAT <= 4.4°C (40°F) before entering visible moisture

21. Airconditioning: do not operate when OAT < -6.7 °C (20°F)

19. POWER SETTINGS

Take-off: 2235RPM/39"MAP 249-255lbs/hr **Speed:** 88 KIAS until obst. cleared

Climb: 1900/35"MAP 176-182lbs/hr

Max Performance climb: 2235RPM/39"MAP 249-255lbs/hr **Speed:** 115-130 KIAS

Cruise: 1800RPM/32"MAP

Descent: 1800RPM/30"MAP EGT 1300-1400°F

End of down wind: 1800 RPM/25"MAP; Gear down; F10; 130 KIAS; Level

Base: 1800 RPM/25"MAP; Gear down; F30; 120 KIAS; 600 fpm down

Final (normal, soft) 1800 RPM/25"MAP; Gear down; F45; 111 KIAS; 550 fpm down

Final (short) 1800 RPM/22"MAP; Gear down; F45; 100 KIAS ; 500 fpm down

20. MAP Limitations:

SL 32.0 "

FL160 32.0 "

FL 180 30.7"

FL 200 29.0 "

FL 220 26.4 "

FL240 24.3 "

FL 260 22.2 "

FL 280 20.2 "

FL300 18.5 "

FL 320 17.0 "