

Aircraft specifications PH-LAW

Aircraft registration: PH-LAW
Aircraft type: Cessna Turbo C310R
Owner: Slagboom en Peeters Luchtfotografie B.V.
Number of crew: 3 maximum in survey configuration
Camera holes: 1
Authorised for: Flight under IMC and VMC conditions
Fuel grade: Avgas 100/130
Fuel consumption: 100 Ltr/hr
Power: 2x 285 HP
TO dist. 50ft obst.: 1662 ft
Acc. Stop dist.: 3250 ft
Cruise speed: 160 kts
Max at sea level: 180 kts
Max cruise FL100: 198 kts
Stall speed: 76 kts
Empty weight: 3954 LBS
Maximum TOW: 5500 LBS
Payload: 1550 LBS
Fuel: 1218 LBS maximum (for photography normally 830 LBS.)
Rate of climb: Sea level 1000 fpm (based on OAT 35 degree C)
15000 ft 700 fpm (based on OAT 0 degree C)
20000 ft 300 fpm (based on OAT-20 degree C)
Service ceiling: 24000 ft
Time to climb: Climb to 15000 ft will take ~ 20 minutes
Endurance: Cruise at sea level 55% TAS 160 kts, 6:00 hrs no reserve.(830 LBS)
Cruise at FL150 55% TAS 180 kts, 6:00 hrs no reserve.(830 LBS)
Oxygen: Capacity 76,6 Cbic foot system installed in aeroplane with 6 connections. The system will supply oxygen for 3 persons at 25000ft for 2,5hrs Usage during climb/decend included.
Maintenance: According to Dutch Government regulation and JAR145.
Our mechanic Mr Hans de Bruin will do most of the maintenance.
Mr Hans de Bruin is also the regular navigator on survey flights of Slagboom & Peeters.
Camera inst.: RC30 with a PAV30 stabilised mount is installed in the aeroplane
Navigation: A Tracker DGPS navigation system is installed in the aeroplane.
GPS (optional): A Trimble GPS 4700 or a Ashtech Z-Extreme receiver is coupled with the navigation system to provide accurate photo centre coordinates for post processing or direct use.