

Aircraft specifications PH-SVY

Aircraft registration: PH-SVY
Aircraft type: Piper Cheyenne II,
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: Kerosine
Fuel consumption: 250 Ltr/hr
Power: 2x 620 HP
TO dist. 50ft obst.: 2000 ft
Acc. Stop dist.: 3600 ft
Max IAS sea level: 230 kts
Cruise TAS FL100: 240 kts
Stall speed: 86 kts
Empty weight: 5500 LBS
Maximum TOW: 9000 LBS
Payload: 3500 LBS
Fuel: 2400 LBS
Rate of climb: Sea level 2000 fpm (based on OAT 35 degree C)
15000 ft 1300 fpm (based on OAT 0 degree C)
25000 ft 500 fpm (based on OAT-20 degree C)
Service ceiling: 31500 ft
Time to climb: Climb to 10000 ft will take ~ 7 minutes
Endurance: Cruise at sea level 55% TAS 180 kts, 4:30 hrs no reserve.
Cruise at FL150 70% TAS 230 kts, 4:30 hrs no reserve.
Oxygen: The pressurized cabin will keep the cabin at 8000 ft while flying at 25000 ft. No oxygen is needed, an emergency system is available.
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 airplane
Navigation: A Tracker DGPS navigation system is installed in the aeroplane.
GPS: an Ashtech Z-Xtreme receiver is coupled with the navigation system to provide accurate photo centre coordinates for post processing or direct use. This receiver is permanently in use.
INS (optional) An Aerocontrol system or Applanix system can be installed on the camera. The camera modifications have been done for previous projects.