

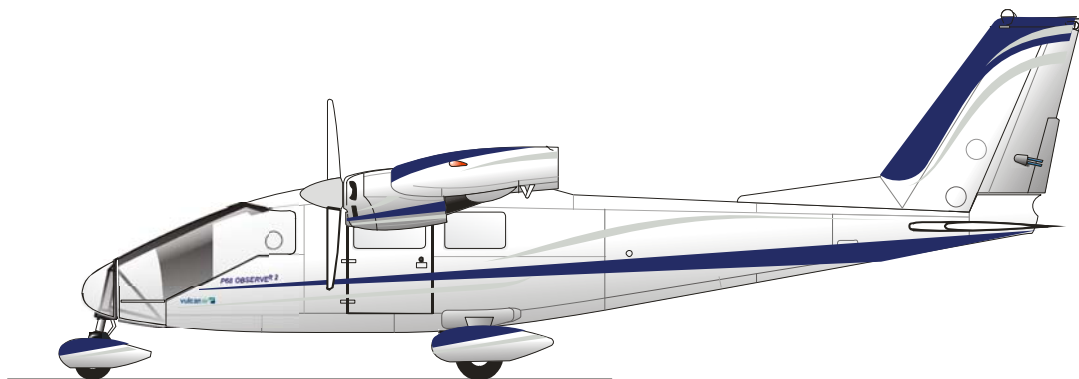


P68 Observer 2

STANDARD EQUIPMENT LIST

V2.06.07

IMPORTANT NOTE: this document is a general description of the aircraft equipment only. It is not a technical document and is to be used only for the purpose of generally describing the aircraft standard equipment.



POWERPLANT AND PROPELLER

Engines:

Two Textron Lycoming IO-360-A1B6 200HP @ 2,700 RPM, 4 Cylinders, Direct Drive, Normally Aspirated, Fuel Injected (Bendix Type) Tuned Induction, Horizontal Opposed, Air-cooled with incorporated oil jets for internal piston cooling.

Engine Mounts:

Dynafocal Type, Two
Engine shock absorber, Two

Oil System:

Oil Filters Cartridge Type, Two
Oil Coolers Full Flow, Two

Air Intake System:

Air Filter Foam Type, Two
Alternate source w/Manual Control, Two

Geared Starter: Two

Propeller:

Hartzell, Two Blade, Constant Speed Full Feathering Propellers, Two
Polished Propeller Spinners, Two
Hydraulic Propeller Governor, LH
Hydraulic Propeller Governor, RH

Cross-over Exhaust System with Muffler: Two

FLIGHT INSTRUMENTS AND INDICATORS

Sagem 8 inch Primary Display (Glass cockpit)



example only

Sagem 8 inch Multifunction Display (Glass cockpit)



example only

- Magnetic Compass (Illuminated)**
- Altimeter (back up)**
- Airspeed Indicator (back up)**
- 1st Heated Pitot System**
- Turn & Bank Indicator, Elec. (back up)**
- Fuel Quantity LH/RH Gauge**
- Flap Position Indicator**

Annunciator Panel with Push-to-Test: Two including the following functions:

- RH Fuel Pump
- LH Fuel Pump
- RH Alt Out
- LH Alt Out
- Low Volt
- Boot De-Ice Inflated

- Chronometer**
- Cabin Temperature/Outer Temperature**
- ELT switch remote controller**
- Engine Hour-Meter**

Vulcanair S.A. and Vulcanair S.p.A. reserve the right to make changes in specifications, materials, equipment or prices at anytime without prior notice or to discontinue models as required. It is the responsibility of the pilot to conduct all operations in accordance with the approved Pilot's Operating Handbook, which is the only official source of data. Vulcanair S.p.A. Copyright © 1996-2007 All Rights Reserved.

ENGINE MONITORING SYSTEM

Integrated in Sagem 8 inch Multifunction display

COCKPIT, FLIGHT AND GROUND CONTROLS

Dual primary Flight Controls

Automatic Emergency Locator Transmitter ELT 406 MHZ

Engine Control Pedestal mounted with adjustable friction:

Throttle, Two

Propellers, Two

Mixture, Two

Flight Trim Controls:

Rudder: Mechanic wheel on Pedestal with Indicator

Stabilator: Mechanic wheel on Pedestal with Indicator

Stabilator: Electric switch on control Wheel

Alternate Source Engine Air Inlet Control

Alternate Instrument static Source and Control

Heavy Duty Brake System:

Pilot Toe Brake Cylinders

Co-pilot Toe Brake Cylinders

Parking Brake

Stall Warning System:

Stall Warning Horn

Heated Stall Detector

Main Wheels 7.00-6 8 Ply Good Year Tyre and Tubes, Two

Nose wheel 5.00-5 6 Ply Good Year Tyre and Tubes

Steerable Nose Wheel (self-un-locking) with shimmy damper

Flap Position Electric Control: Continuous for extension operation; One touch for full retraction operation

Fuel Selector Two: Normal on; Shut-off; Crossfeed positioning

Overhead Panel Rocker Switches Internally Lighted:

Guarded Left and Right Starter Two

Left and Right Fuel Pump Two

Left Engine/Left and Right Magnetos Switches Two

Right Engine/Left and Right Magnetos Switches Two

Mic Button on Control Wheel

Microphone with Headset

Mic /Phone Jacks, Six

Rocker Switches on Circuit Breaker Panel:

Master Switch

RH Field Switch

LH Field Switch

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Landing Light Switch
Navigation Lights Switch
Map Light Switch
Stall Heated detector Switch
Instruments & Radio Lights Switch
Pitot Heat Switch
Strobe Light Switch
Taxi Light Switch
Ice Inspection Light Switch

Toggle Switch on Circuit Breaker Panel

Avionic Master
FWD Defog Fan
Air Blower
A/P Master
COM1/NAV1 Emerg. Supply
Tail/Tip Strob Light

Dimmer Light

Radio Light
Lighted Instruments

ELECTRICAL SYSTEMS

24 Volt, 25 Amp/Hour Battery

70A Alternator 28Vdc, Two

Avionics Master Relay

Master Switch Relay 1

Over Voltage Relays, Two

Transistor Voltage Regulators, Two

Resettable Circuit Breakers

External Power Supply Receptacle

Static Discharge Wicks

FUEL SYSTEM

Two Fuel Tanks with 142 Gallons (538 litres) Total Capacity; 138 Gallons Usable (520 Litres)

Auxiliary Electric Pump, Two

Individual Fuel Tank Quick Drain, Two

Fuel Strainer, Two

Fuel Filter, Two

Fuel Gascolator Two

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LIGHTING SYSTEMS

EXTERIOR LIGHTING:

Navigation Light

Recognition Lights Wing Tip, Two

Strobe Lights-Comet Flash Wing Tip, Two

Strobe Light Tail

Taxi Light Wing Mounted

Landing Light Wing Mounted

Ice Inspection Light, Left Wing

INTERIOR LIGHTING:

Map Light

Under-wing Courtesy Light One (left side)

Cabin Reading Lights, Four

Rocker Switches Internally Lighted

CABIN COMFORT SYSTEM

Cabin heating system

Fan Heater/Windshield Defrost

Cabin Fresh Air Vent with Ventilation Fan

Overhead Cabin Fresh Air Distribution Vents, Two

Cabin Fresh/Exhaust Air Snap Vents (emergency and pax windows)

Cabin Door

Rear Door Cargo Loading

Emergency Escape Window

Soundproofing

EXTERNAL FEATURES

- Standard paint scheme**
- Full Chemical Corrosion Protection**
- Tow Bar**
- Tie-Down Rings, Three**
- Jack Pads**
- Control Surface Lock Kit (Tail + Aileron)**
- Locks with Keys Cabin and Baggage Doors, Two**

COCKPIT AND CABIN APPOINTMENTS

- Speaker**
- Luggage Compartment (24 Cu.Ft., 400Lbs)**
- Pilot and Co-Pilot Seats reclining fore/aft and vertical adj., with magazine storage pockets on back;**
- Rear Passenger seat with reclining feature and fore/aft adjustable (2ND Row), Two.**
- Rear Passenger Seat (3rd Row), Two.**
- Seat Belts with Shoulder Harness and Inertial Reel, Six**
- Lightweight Carpeting**
- Pilot and Co-pilot Storm Windows**
- Sunvisor, Two**
- 24 Volt, 2 Amp Auxiliary Power Socket, Two**
- Map Pockets, Two**
- Emergency Torch**
- First Aid Kit**
- Manual Fire Extinguisher**
- Pitot Tube Cover**
- Fuel Stick Gauge**

PRODUCT SUPPORT DOCUMENTS

- Flight Manual,
- Parts Catalogue,
- Maintenance Manual
- Vulcanair Limited Warranty
- OEM Manufactures Limited Warranty
- Aircraft Log Book
- Engine Log Book, Two
- Certificate of Airworthiness

NEW GENERATION AVIONICS PACKAGE

GLASS COCKPIT SAGEM 8 INCH MONITORS WITH PFD AND MFD



AUTOPILOT TWO AXIS S-TEC 55X WITH ALTITUDE PRESELECT

Transponder Garmin GTX 330 Mode S

Audio Panel with Marker Beacon and Intercom GMA 340

COMM/NAV/GS/GPS Multifunction Display #1 Garmin GNS 430

COMM/NAV/GS/GPS Multifunction Display #2 Garmin GNS 430

2nd VOR/LOC/GS Indicator

Jeppesen data card, Two

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