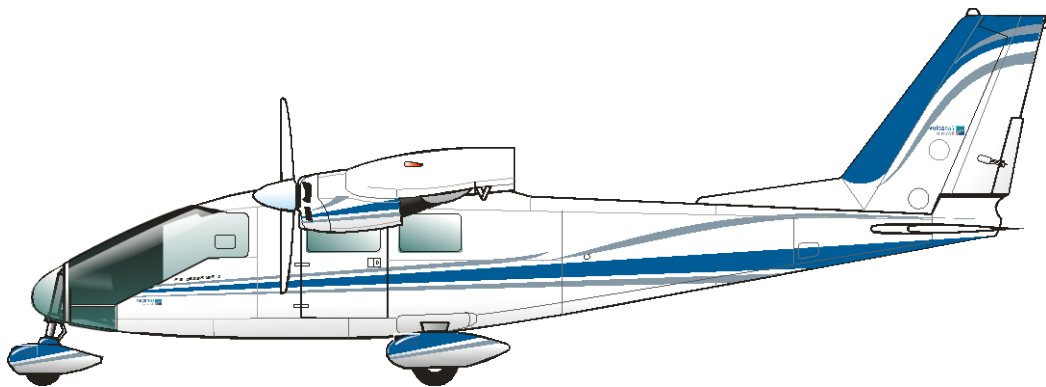


vulcanair aircraft



P68 Observer 2 STANDARD EQUIPMENT LIST

V13.04.16



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

DIGITAL PRIMARY DISPLAY GARMIN GDU 1040, One

DIGITAL MULTIFUNCTION DISPLAY GARMIN GDU 1040, One

Magnetic Compass (Illuminated)

Mid-Continent Digital Standby Attitude Module (SAM) MD-302

1st Heated Pitot System

Fuel Quantity Indicator function (Included in G950)

Chronometer function (Included in G950)

Outer Temperature

ELT switch remote controller

Engine Hour-Meter

COCKPIT, FLIGHT AND GROUND CONTROLS

Dual primary Flight Controls

Landing Gear, Fixed Tricycle

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: Discrete switch for each flap setting

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

Guarded Left Engine/Left and Right Magnetos Switches Two

Guarded Right Engine/Left and Right Magnetos Switches Two

Map Light Switch

Mic Button on Control Wheel

Headset Bose A20, Two

Bose 6 Pin Redel Connector, Six

Mic /Phone Jacks, Six

Rocker Switches on Master Switches Panel (pilot's left side):

Battery Master

RH Gen

LH Gen

Instruments & Radio Lights

Avionics BUS Master

Secondary BUS Master

Instruments Light Dimmer

Cabin Air Hot/Defrost Control Panel

LH Switches Panel

Landing Light
Navigation Lights
Stall Heated detector
Pitot Heat
Strobe Light
Taxi Light
Ice Inspection Light

RH Switches Panel

A/P Master
A/P Elect. Trim

ELECTRICAL SYSTEMS

24 Volt, 19 Amp/Hour Battery (Concorde RG24-20)

130 A Alternator 28Vdc, Two

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

LIGHTING SYSTEMS

EXTERIOR LIGHTING:

Navigation Light (LED)

Recognition Lights Wing Tip, Two (LED)

Strobe Lights-Comet Flash Wing Tip, Two (LED)

Strobe Light Tail (LED)

Taxi Light Wing Mounted (LED)

Landing Light Wing Mounted (LED)

Ice Inspection Light, Left Wing

INTERIOR LIGHTING:

Map swivel light with touch sensing control, Two (LED)

Under-wing Courtesy Light, One (left side)

Cabin Reading Lights, Four

Internally Lighted Rocker Switches

CABIN COMFORT SYSTEM

Cabin Air heating system

Fan Heater/Windshield Defrost

Cabin Fresh Air Vent with Ventilation Fan

Overhead Cabin Fresh Air Distribution Vents, Two

Cabin Door

Rear Cargo Door

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

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.

Three Point Seat Belts and Inertial Reel, Six

Lightweight Carpeting

Pilot and Co-pilot Storm Windows

Sunvisor, Two

24 Volt, 5 Amp Auxiliary Power Socket, Three

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

Statement of Conformity

NEW GENERATION AVIONICS PACKAGE

AUTOPILOT TWO AXIS S-TEC SYSTEM 55X

GARMIN G950 INTEGRATED COCKPIT SYSTEM:

DIGITAL PRIMARY DISPLAY GARMIN GDU 1040, CONTROL/DISPLAY UNIT, ONE
 DIGITAL MULTIFUNCTION DISPLAY GARMIN GDU 1040, CONTROL/DISPLAY UNIT, ONE
 AHRS GARMIN GRS 77/GMU 44, ONE
 TRANSPONDER GARMIN GTX 33 MODE S
 AUDIO PANEL WITH MARKER BEACON AND INTERCOM GMA 1347
 GIA63W COMM/NAV/GS/GPS INTEGRATED AVIONIC UNITS, TWO
 AIR DATA COMPUTER GARMIN GDC74A
 ENGINE INTERFACE UNIT GARMIN GEA71, TWO



Note: Cockpit shown with some optional equipment