

***“ Introducing Vulcanair’s new generation of good looking modern
economical and
long lasting light twins”***



vulcanair
aircraft



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V₄: the real alternative in light twin aircraft

- Metal construction, corrosion treated
- Modern professional grade avionics
- Proven economical powerplants from Lycoming
- Proven long lasting service life (over 17,000 hrs) and the experience of over 430 aircraft operating in the world, in all areas of the world



BASIC DATA

POWERPLANT

Engines	Lycoming IO 360 A1B6
Horsepower	400 hp
Propellers	Hartzell 2 blade*

CHARACTERISTIC DATA

Max Seating capacity	6/7	
Length	9.64 m	31.6 ft.
Height	3.4 m	11.15 ft.
Wing Span	12 m	39.37 ft.
Wing area	18.6 m ²	200.2 sqft.
Wing Loading	105 kg/m ²	21.5 lbs/ sqft.
Weight to Power Ratio @ SL	4.9 kg/hp	10.8 lbs/hp
Weight to Power Ratio @ 6000 ft	6.0 kg/hp	13.2 lbs/hp

* MT 3 blade props available as optional equipment

WEIGHTS & LOADINGS

WEIGHTS

Maximum Take Off Weight	1960 kg	4321 lbs
Maximum Landing Weight	1960 kg	4321 lbs
Standard Empty Weight	1330 kg *)	2930 lbs
Maximum Useful Load	630 kg *)	1390 lbs
Pay Load @ Max fuel Standard	335 kg	739 lbs

FUEL CAPACITY

Total Fuel capacity - Standard	410 lt	108 gal
Usable Fuel capacity – Standard	392 lt	103 gal

***) These values vary relative to the optional equipment installed on the aircraft.**

PERFORMANCE

ALTITUDE & AIRSPEED

Max Operating Altitude	20000 ft
Max OEI ceiling (std day)	9000 ft
Max Airspeed ISA SL	175 ktas
Max Airspeed ISA 8000 ft	170 ktas
Stall clean	64 kcas
Stall full flap gear down	57 kcas
Minimum control speed	60 kcas
Max Landing gear extended speed	112 kcas
Max demonstrated Crosswind	20 kts

TAKE-OFF & LANDING DISTANCE

T/O distance @ MTOW - 50 ft obst	1260 ft
T/O distance @ MTOW - Ground Run	756 ft
Land distance @ MLW - 50 ft obst	1570 ft
Land distance @ MLW - Ground Run	628 ft

PERFORMANCE

CLIMB

R/C @S.L.-ISA-AEO-MTOW	1650 ft/min
R/C @S.L.-ISA-OEI-MTOW	350 ft/min

CRUISE

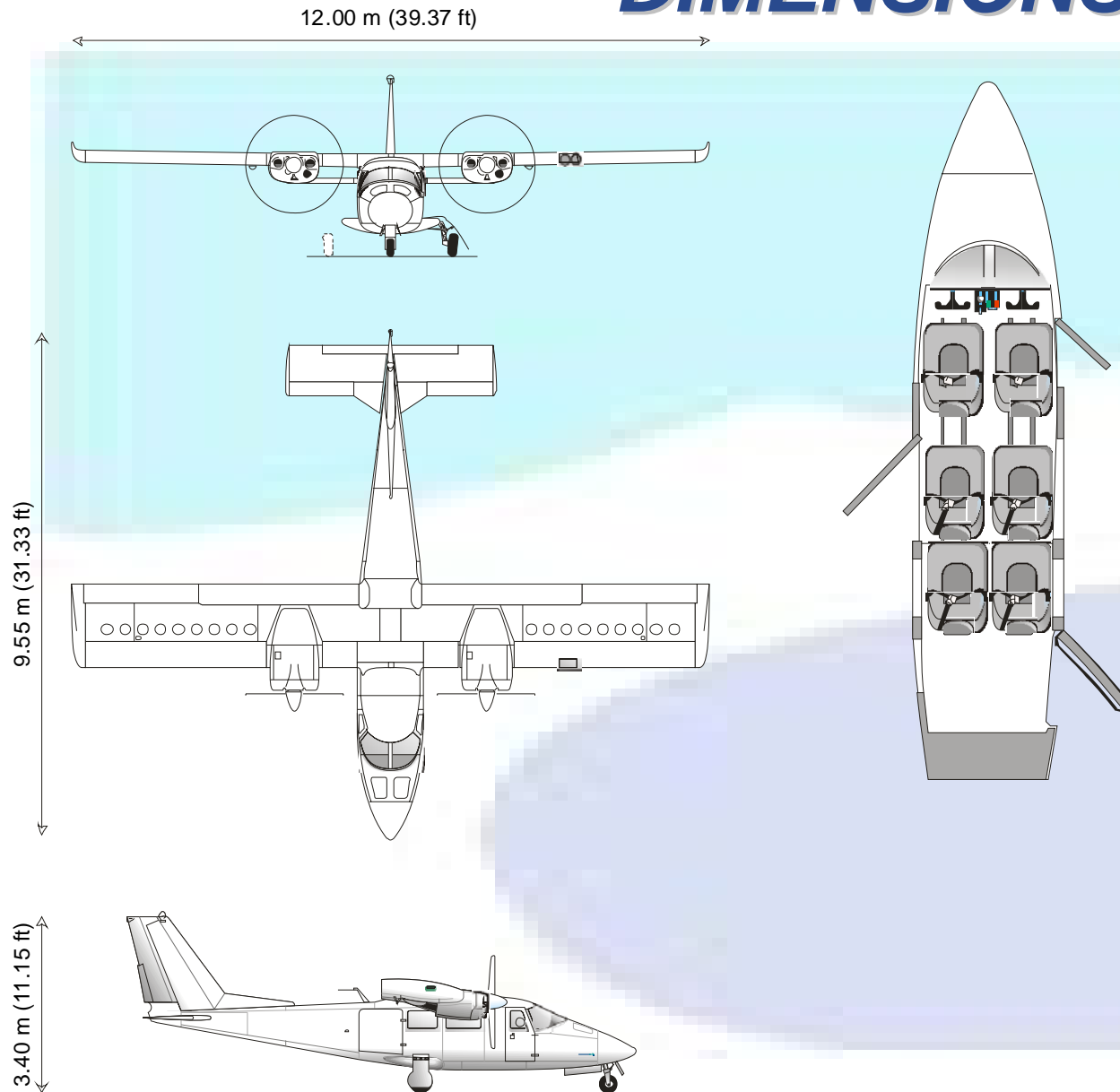
Cruise Speed @ 80% at 3000 ft	163 ktas
Fuel flow (VR: 2450 RPM-25 MAP)	128 lb/hr
Range - Std. Fuel	802 nm
Time - Std. Fuel	4.9 hr

Best Economy @ 60% at 9000 ft	155 ktas
Fuel flow (P68R: 2350 RPM-20 MAP)	102 lb/hr
Range - Std. Fuel	987 nm
Time - Std. Fuel	6.4 hr

Range - 4 Persons	1021 nm
Time - 4 Persons	6.6 hr

Including 45' reserves @ cruise power setting

DIMENSIONS



The $V\frac{1}{2}$ features a wide and roomy cabin with six seats. With the optional installation of a bench for the last row it is possible to fit up to 7 persons.

The $V\frac{1}{2}$ cabin is also easily accessible via a pilot door, a passenger door and a cargo door

There is no canopy which means simplicity low maintenance and reduced heat in the cockpit from the sun extending avionic systems life and increasing pilot comfort.

V_h Cockpit (preliminary)



V_h Cockpit



***V*₄ MAIN OPTIONAL EQUIPMENT AVAILABLE**

- PNEUMATIC DE-ICING
- PROPELLER DE-ICING
- AIR CONDITIONING
- THREE BLADED PROPELLERS
- TINTED WINDSHIELDS
- DME
- ADF
- STORMSCOPE



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