

Vr (P68R)

Get Your Gear Up! Go Faster and Smoother



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vulcanair
aircraft 

Vr Series (P68R)

“fulfilling the needs of private owners and flight schools”

The latest **Vulcanair Aircraft, the Vr Series** is a six seater, twin engine, high wing, retractable landing gear aircraft. The aircraft is offered standard with a modern professional grade glass cockpit, new autopilot, new adjustable seats and a standard pilot door.

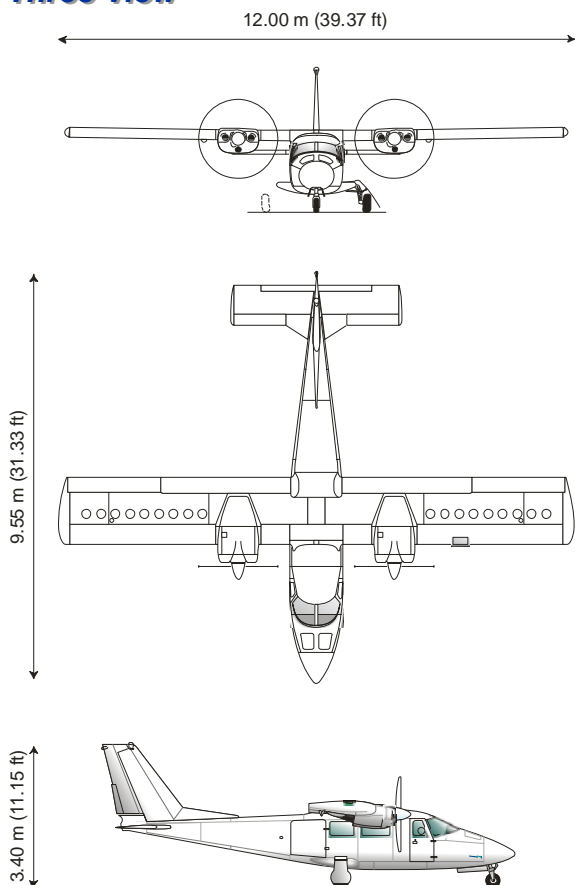
The improved airspeed, the redundancy of the second engine with fuel consumption comparable to many six-cylinder single engine piston aircraft place the Vr in a unique position to appeal to single engine aircraft owners. With the Vr it is possible to keep the economy of operation and high airspeeds typical of single engine low wing aircraft, and at the same time gain the benefit of having an extra engine for safety and more cabin space.

Since its inception the Vr was designed to be a twin. As a result the Vr is a docile and stable aircraft in the whole flight envelope with superior flight qualities which can only be appreciated once the aircraft is flown. The addition of the retractable landing gear further improves the aircraft flight qualities and overall performance.

Structural simplicity, aluminium construction, absence of complicated systems, ruggedness, accessibility to servicing points reduce the maintenance costs of the Vr Series to a bare minimum. The Lycoming “bullet-proof” four cylinder engines, have also been updated with new starters and roller tappet technology to further increase reliability.

The standard interior configuration is for 6 passengers (1+5). In addition, through the quickly removable seats, the large cabin volume can be configured with less seats for more space according to personal preferences. Club seating is certified and can be configured in minutes. Flight schools will also appreciate the robustness of the aircraft its metal construction and industry leading extremely high aircraft and wing fatigue limits.

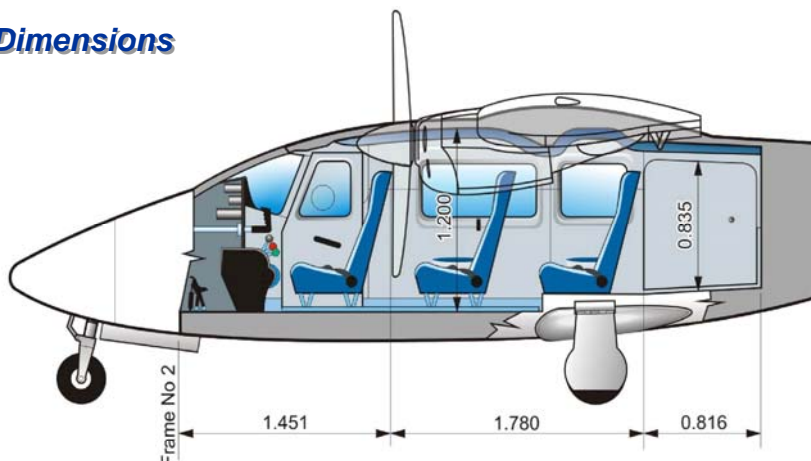
Three View



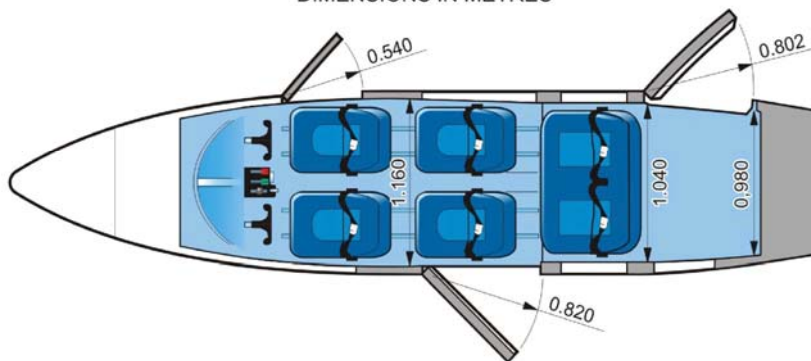
Cockpit Layout



Dimensions



DIMENSIONS IN METRES



CABIN	COCKPIT AREA		PASSENGER CABIN	
Cabin length	1.451 m	4.760 ft	1.780 m	5.840 ft
Cabin width	1.160 m	3.806 ft	1.160 m	3.806 ft
Ave. Cabin height	1.150 m	3.773 ft	1.200 m	3.937 ft
Total Volume			2.478 m3	87.51 cu. ft

Performances

Engines Lycoming

IO-360-A1B6 (200 hp)

Max Take-Off Weight	2063 kg	4548 lb
Max Landing Weight	1960 kg	4321 lb
STD Equipped Empty Weight	1440 kg	3175 lb
Useful Load	623 kg	1373 lb
Max Fuel Capacity (Long range)	696 lt	184 U.S. gal
Max Usable Fuel (Long range)	670 lt	177 U.S. gal
Number of Seats	6	
Max Range Cruise Speed @ 75%, ISA, FL80	317 km/h	171 Kias
Rate of Climb 2 engines s.l. @ MTOW	8,0 m/s	1570 fpm
Rate of Climb (1 engine s.l. @ MTOW)	1,4 m/s	270 fpm
Stall Speed (full flaps)	111 km/h	60 Kias
Service Ceiling (2 engines)	6100 m	20,000 ft
Service Ceiling (1 engine)	1524 m	5000 ft
Range, FL 100, 55% Pwr. (incl 45' Res)	3052 km	1648 nm
Take-Off Run	259 m	850 ft
Take-Off distance over 50 ft obstacle	431 m	1415 ft
Landing Run	166 m	546 ft
Landing distance over 50 ft obstacle	475 m	1560 ft
Max Endurance, FL 100, 65% Pwr, ISA		9.6 h
Load Factor		+3.75g/-1.50g