

Vr (P68R)

Get Your Gear Up! Go Faster and Smoother



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aircraft 

Vr Series (P68R)

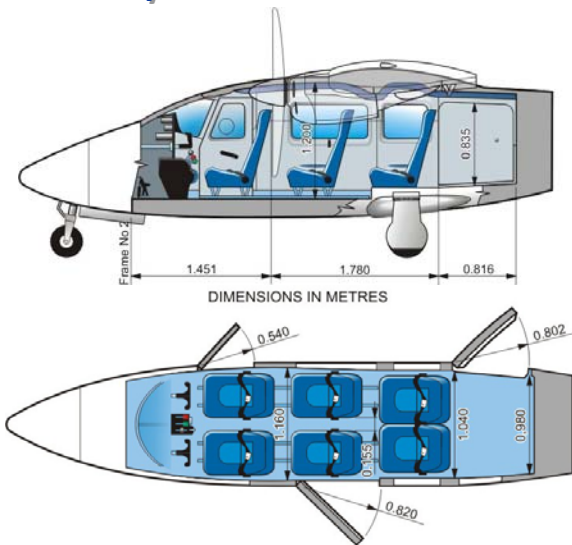
“fulfilling the needs of private owners and flight schools”

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.

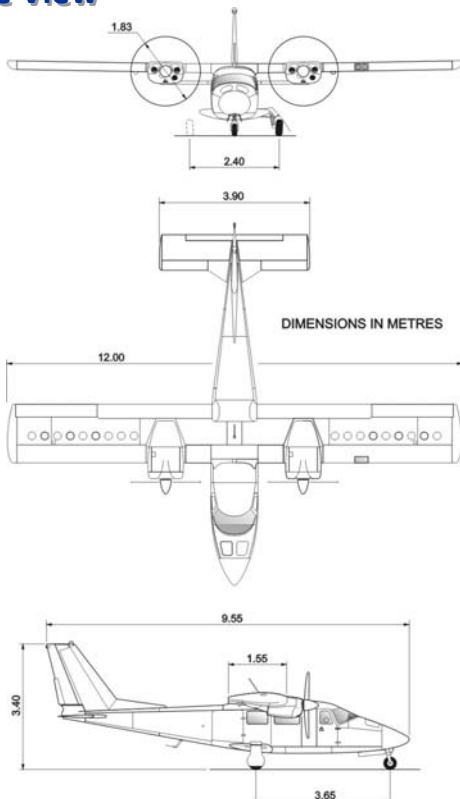
With the Vr it is possible to keep the economy of operation and high airspeeds typical of single engine low wing aircraft, and at the same time gain the benefit of having an extra engine for safety and more cabin space.

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.

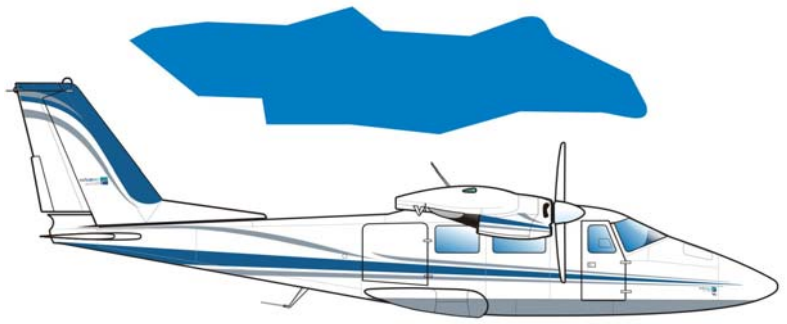
General Layout



Three View



General Paint Scheme



Aircraft Configuration

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.

Dimensions

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
CARGO COMPART.	PAX CONF.		CARGO CONF.	
Length	0.816 m	2.677 ft	2.596 m	8.507 ft
Ave. width	1.010 m	3.300 ft	1.100 m	3.609 ft
Ave. height	1.000 m	3.281 ft	1.120 m	3.674 ft
Total Volume	0.824m3	28.98 cu.ft	3.198 m3	112.8 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. Empty Weight (std equipped w/avg optionals)	1440 kg	3175 lb
Max Usable Fuel with standard tanks	538 lt	142 U.S. gal
Number of Seats	6	6
Max Luggage Weight	181 kg	400 lbs
Cruise Speed @ 75%, ISA, FL 80	311 km/h	168 Ktas
Best Economy Cruise Speed @ 60, FL 90	287 km/h	155 Ktas
Stall Speed Full Flaps 35	111 km/h	60 Kcas
Service Ceiling 2 engines	6100 m	20000 ft
Service Ceiling 1 engine	1524 m	5000 ft
Max Range 4 persons (77 kg): Std.tanks, Cruise 55%	1789 km	966 nm
PWR @ 10000, 45' Res		
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 4 persons (77 kg): Std.tanks, Cruise 65%, PWR @ 10000, No Res	5h9h	5h9h

Cockpit Layout

