

## External Dimensions

Wing Chord, Constant	1.17 m
Wing Aspect Ratio	8.08
Length Overall	6.17 m
Fuselage Max Width	1.17 m
Height Overall	2.17 m
Wheel Track	1.94 m
Wheelbase	1.51 m
Propeller Diameter	1.72 m
Wingspan	9.45 m

## Interior Dimensions

Cockpit Max Width	1.07 m
Max Length	1.22 m

## Weight and Loading

Empty Weight, Equipped	500 kg
Max Takeoff Weight	750 kg
Usable Fuel	2x45 liter
Wing Loading	67.81 kg/m <sup>2</sup>
G Limits	+4 and -2

## Areas

Wing Gross	11.06 m <sup>2</sup>
Ailerons (total)	0.952 m <sup>2</sup>
Trailing Edge Flaps (total)	1.54 m <sup>2</sup>
Fin	0.96 m <sup>2</sup>
Rudder	0.46 m <sup>2</sup>
Tail	2.02 m <sup>2</sup>
Elevator (total)	0.9 m <sup>2</sup>

# Pica 1

## Very Light Aircraft (VLA)



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# Pica 1

VLA TWO - SEAT AIRCRAFT



PICA 1

# Pica 1

Pica 1 is a two seat, side by side full composite structure , low wing aircraft, good cockpit design ,layout and space with turbo charge engine and three blades constant speed propeller with good flight handling.

Low Direct Operating Cost ( DOC ) , Full, Fast and on time after sales services.

This aircraft is designed based on CS-VLA regulation which allows this aircraft to take more structural load on maneuvers and landing for pilot training.

## Application:

- \* Pilot Training ( PPL & CPL )
- \* Private / Touring
- \* Recreational Flying.
- \* Aero Club Operations.
- \* Anti Smuggler Patrol.
- \* Border Control.
- \* Environmental Control



## Performance

Max Level Speed at 14,000 ft. (TAS)	152 Knot (280 km/h)
Stall Speed ( Flap Down)	44 Knot (81 km/h)
Max Rate of Climb	229 m/min (750 ft/min)
Service Ceiling	14,000 ft. (4265 m)
Takeoff Run ( To 50 ft. Obstacle )	900 ft. (274 m)
Landing Run ( From 50 ft. Obstacle )	800 ft. (244 m)
Max Range	680 miles (1000 km)



## Propeller

Manufacturer :	MT Propeller
Type :	MTV-6-A-172-08
Specifications:	Constant speed , Variable pitch, 3 blades , Max diameter of 172 cm.

## Power Plant

Engine Manufacturer	BRP - Rotax
Model	914 F3 Turbo Charge
Max Takeoff Power	115 HP
Fuel Type	Automotive Super 95% Octane Unleaded or Avgas 100 LL

