

Pulsar Pro 3.6 Specifications

| | | |
|--------------------|--|--------------|
| Wing span | 3.6 m | 142 in |
| Wing area | 79.7 dm² | 1235 sq in |
| Length | 175 cm | 68.9 in |
| Flying weight from | 1450 g | 51.1 oz |
| Wing loading | 18.2 g/dm | 6.0 oz/sq ft |
| Aspect ratio | 16.4 | |
| Wing airfoil | AG25 | |
| Dihedral (EDA) | 8.8° | |
| Spinner Diameter | 38 mm | |
| Centre of Gravity | 95-105 mm from wing leading edge | |
| Controls | Rudder, elevator, ailerons, flaps | |

Pulsar Pro 3.6 Typical Weights

| | | |
|-----------------|---------------|---------|
| Pod | 100 g | 3.5 oz |
| Boom | 58 g | 2.0 oz |
| Wing c/s | 352 g | 12.4 oz |
| Wing tips | 372 g | 13.1 oz |
| Tailplane | 39 g | 1.4 oz |
| Fin | 34 g | 1.2 oz |
| Accessories | 45 g | 1.6 oz |
| Total structure | 1000 g | 35.3 oz |
| Wiring | 37 g | 1.3 oz |
| Receiver | 13 g | 0.5 oz |
| Tail servos | 18 g | 0.6 oz |
| Wing servos | 70 g | 2.5 oz |
| Speed control | 42 g | 1.5 oz |
| Motor | 120 g | 4.2 oz |
| Prop & spinner | 30 g | 1.1 oz |
| Battery | 120 g | 4.2 oz |
| Flying weight | 1450 g | 51.1 oz |

| Recommended Control Throws | |
|---|---|
| Rudder | 35 mm each way |
| Tailplane | 15 mm up / 15 mm down |
| Flaps | up to 80 degree down |
| Ailerons | 10 mm up / 8 mm down |
| <i>Recommended flight mode settings</i> | |
| Speed mode | flap 2 mm up, ailerons aligned with flap |
| Thermal mode | flap 4 mm down, ailerons aligned with flap |
| Crow brake mix | 10 mm up aileron with full down flap |

| Recommended Servos | |
|---------------------------|---|
| Elevator & rudder | <u>MKS DS6100</u>, <u>Hyperion DS09-AMD</u>,<u>Hyperion DS09-SMD</u>, <u>MKS DS65K</u>, <u>KST DS245</u> |
| Flaps | <u>Hyperion DS095-FMD</u>, <u>MKS DS6125 Mini</u>,<u>KST DS125MG</u>, <u>KST DS135MG</u>, <u>KST DS215MG</u> |
| Ailerons | <u>MKS DS6100</u>, <u>Hyperion DS09-AMD</u>,<u>Hyperion DS09-SMD</u>, <u>KST DS215</u>, <u>KST DS135MG</u> |

Recommended Powertrains

Hacker A20-6XL with Maxon 4.4:1, Aeronaut 17 x 9 prop, 3S 1.3Ah 65C LiPo, 60A ESC (12 m/s 2400 fpm)

Mega 16/25/3 with Maxon 4.4:1, 20x13 RFM prop, 3S 1.2ah LiPo (2000 fpm, 40A, lightweight setup)

Hacker B40 15L with Maxon 4.4:1 gearbox, 17x10 prop, 3S 1.2ah LiPo (1400 fpm, comp setup)

Kontronic Fun 500-19 with 6.7:1 box, 23x12 RFM prop, 3S 1.2ah 20C LiPo (1800 fpm, comp setup)

Kontronic Fun 500-32 with 6.7:1 box, 17x10 RFM prop, 3S 1.2ah LiPo (1600 fpm)

Warning, this is not a toy!

If you are new to the hobby of flying RC model airplanes, DO NOT attempt to fly this model by yourself! There are hundreds of BMFA (British Model Flying Association) clubs in the UK. Ask your local hobby shop for the location of the nearest club in your area, or check out the www.bmfa.org.uk web site. Many clubs often have qualified instructors to teach you how to fly. If you are an accomplished pilot then you should have no problem in flying this model. However the model can fly very fast, and is potentially a lethal object. Do fly responsibly, and make sure your third party liability (eg BMFA) insurance is valid.

Limit of Liability

All Vladimir's Models are constructed to the highest standard and made strong enough for all reasonable powertrains and reasonable usage by an experienced and responsible r/c aircraft pilot. By keeping this model you confirm that the parts have not been structurally damaged and are fit for purpose as received.

The craftsmanship, attention to detail, and actions of the builder/flyer of this model airplane kit will ultimately determine the airworthiness, flight performance, and the safety of the finished model. You confirm that you take full responsibility for the safe usage, construction, and maintenance of the model, and you will not hold HyperFlight.co.uk or its owners, staff, agents, contractors, or helpers in any way responsible for any damage or injury that may occur as a result of operating or flying this model. HyperFlight's sole obligation shall be to replace those parts of the kit proven to be defective or missing. If you are not willing to agree to this binding condition of sale please return the model in as-received condition to HyperFlight for a refund.

Parts List

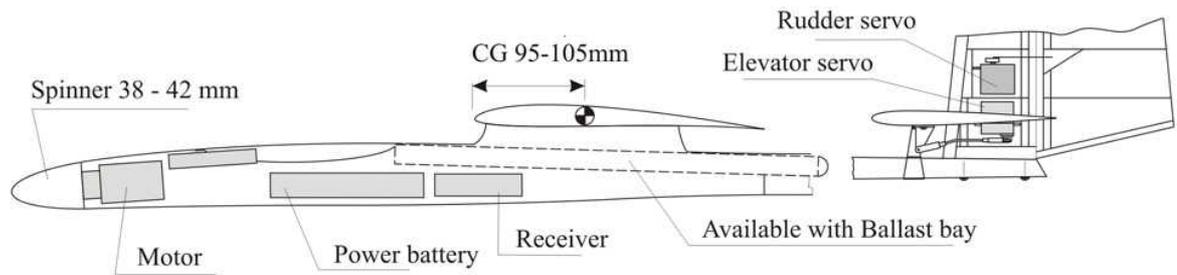
- Wing (3 pieces)
- Fuselage pod with carbon canopy hatch
- Carbon fibre tailboom
- Fin & rudder assembly
- Horizontal stabiliser (tailplane)
- Accessories bag
- These instructions

Other equipment needed to complete and fly the model

- Radio with receiver and 6 servos
- Plugs & sockets for easy wing servo connection
- R/C extension leads for the tail servos and wing servos
- Electronic speed control (ESC)
- Possibly with a 3ABattery Eliminator Circuit (BEC)
- Flight battery & suitable battery charger
- Motor, gearbox & mounting bolts
- Prop hub and spinner
- Folding prop blades

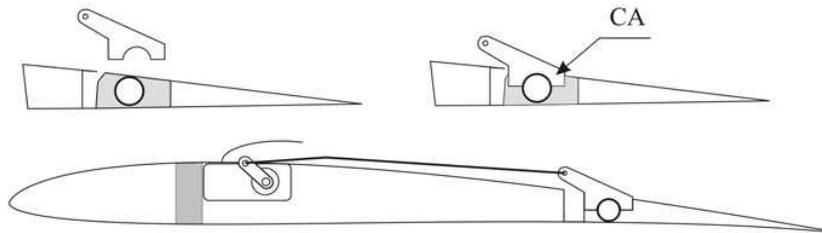
NOTE: It is your responsibility source suitable components and to check, and if necessary do additional gluing to all critical joints and mounting parts. Parts may come loose during shipping and in operation, so to eliminate the possibility of model failure please double check and make good as required.

Equipment and Linkage Installation

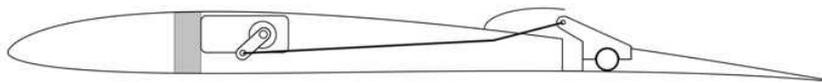


For Flap. There are two ways to install flap servo:

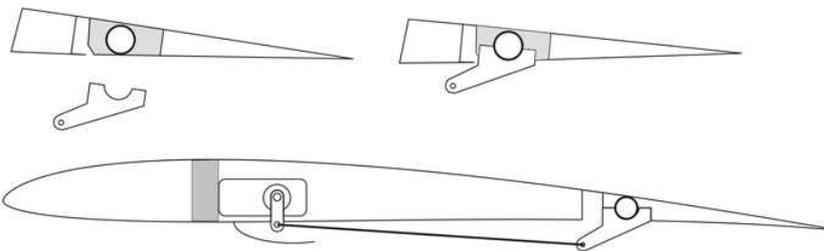
A. Flap servo with top pushrod.



B. Flap servo with inner pushrod.



For Ailerons.



For Rudder.

