

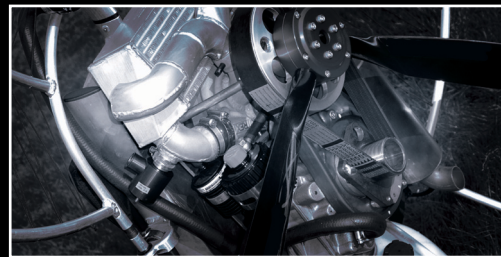


***Parajet***

VOLUTION PARAMOTOR RANGE









# *The sky's your playground!*



For those who love paramotoring flying there's only one name to look for: Parajet. That's because when you are flying a Parajet paramotor you know you're flying a machine incorporating the most advanced technology, engineered by the best in the business. From performance enhanced engines, lightweight chassis for greater control, to slick aerodynamic styling that give attitude as well as performance, you'll find innovation comes as standard for every paramotor in this brochure.

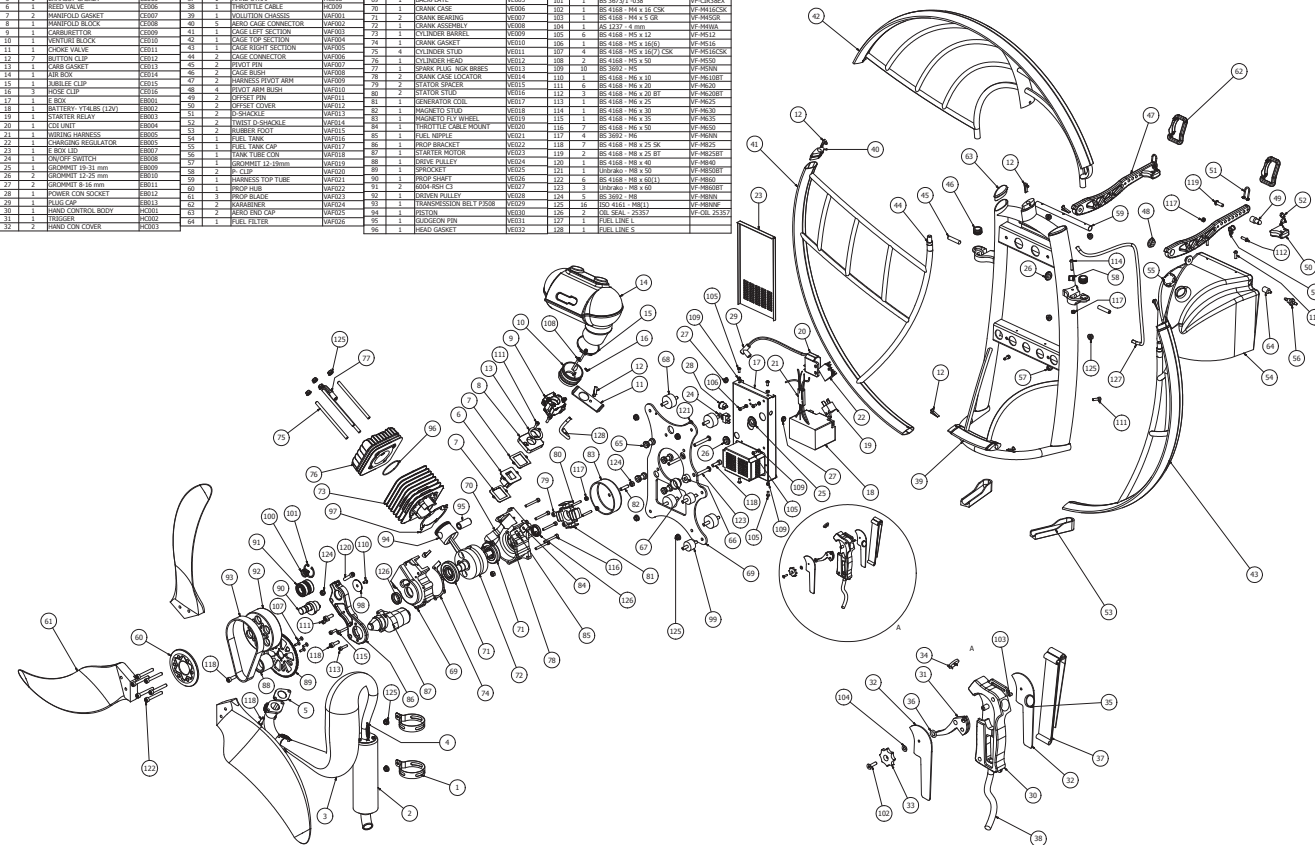
There is a lean and mean Volution Ti with a chassis that packs an unparalleled punch. Then there's the talk of the airfield, the Volution Macro - the ultimate long distance paramotor. There's no ride quite like the distinctive and much loved Volution Compact, or for the lighter pilot, the Volution Micro. Whatever the flight, whatever the mission, you won't stop on a Parajet.



Parajet Volution Mk09  
Issue 02  
Date 28.01.09  
Drawn by W.B  
Design by G.C.

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Parts List		Parts List		Parts List		Parts List		Parts List		Parts List		Parts List		Parts List		Parts List	
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## VOLUTION EXPLOSION



**PARAJET ENGINE PRODUCTION**  
Meticulous assembly procedure and small batch production ensures the highest level of quality control. Every engine is fine tuned to its optimum operating efficiency and safety levels in our engine test cell before shipment.



## PARAJET FACTORY

Our purpose built manufacturing facility is equipped with full engine design, testing and manufacturing capability. Located in the heart of the English countryside each aircraft can be test flown from our back door!



## AIRCRAFT COMPONENTS

Parajet aircraft components are manufactured in house to exacting standards using the latest CNC machine centres and tube forming technology. Our attention to detail is unrivalled, look around a Parajet paramotor and you'll see the difference.



## PARAJET XT 180 EXHAUST

Our race tuned exhaust system has been developed in partnership with the world's leading two-stroke exhaust manufacturer. Performance is unmatched... delivering record breaking power and efficiency





## ALUMINIUM AIRFRAME

A strong yet ultra lightweight high-tension aluminium chassis helps improve power-to-weight ratio for enhanced ground handling and in-flight manoeuvrability. Wide profile chassis uprights provide unmatched rigidity just where it's really needed!



## ERGONOMIC ENGINE CONTROL

Combining low profile stop/start diaphragm switches, a cruise lock and smooth action throttle trigger into an ergonomic, light weight, sexy and immensely hardwearing control system. Nothing in the industry comes close for sheer ease of use, quality and style.



## ANODISED ALLOY COMPONENTS

All alloy components are electro-anodised for protection from the elements, providing a hardwearing and tactile surface finish. Airframes are triple coated with the toughest metallic powder coating with a final lacquered coat to enhance surface finish.



## CARBON FIBRE AIR INTAKE

Designed, manufacture and stringently tested in house our carbon intake silencers reduce mechanical engine noise significantly. Aerodynamically shaped to increase airflow into the engine, this design is now DULV certified.



16. Ergonomic weight-shift harness arms CNC machined from high tensile aluminium billet for high strength and rigidity, improves handling and safety.

15. Bespoke NIKASIL Cylinder castings: Nickel-Silicon Carbide matrix coating of 0.07mm thickness offers superior wear characteristics and reduced friction.

14. Triple flex-joint chromed exhaust tune pipe eliminates vibration induced stress fractures ensuring longevity, zero corrosion and fuel efficiency.

13. Wide section chassis upright for extremely high impact resistance and rigidity.

12. Laser cut and pressed aluminium engine mounts for the highest strength to weight ratio.

11. Integral starter battery compartment and electronics case ensures all wiring and components are protected.

10. Specially moulded rubber base skids for protection and stability on hard surfaces

9. Aerodynamic and ergonomic fuel tank designed maximises airflow from the around the pilot and ensures the easiest re-fill operation. Manufactured from semi transparent HDPE (high density polyethylene) it is easy to see the fuel level and extremely robust.

17. Specialised aerofoil tubing, extruded from Duralumin 6082, this alloy and profile offer high strength, low drag a unique Parajet style.

1. Twin air intake filters.

2. Hydro-formed aerofoil tube for strength, superior airflow and style.

3. Carbon fibre silencer box reduces air intake pulse wave resonance.

4. Carbon Fibre scimitar propeller blade design offers exceptionally low noise, reduced vibration and high efficiency.

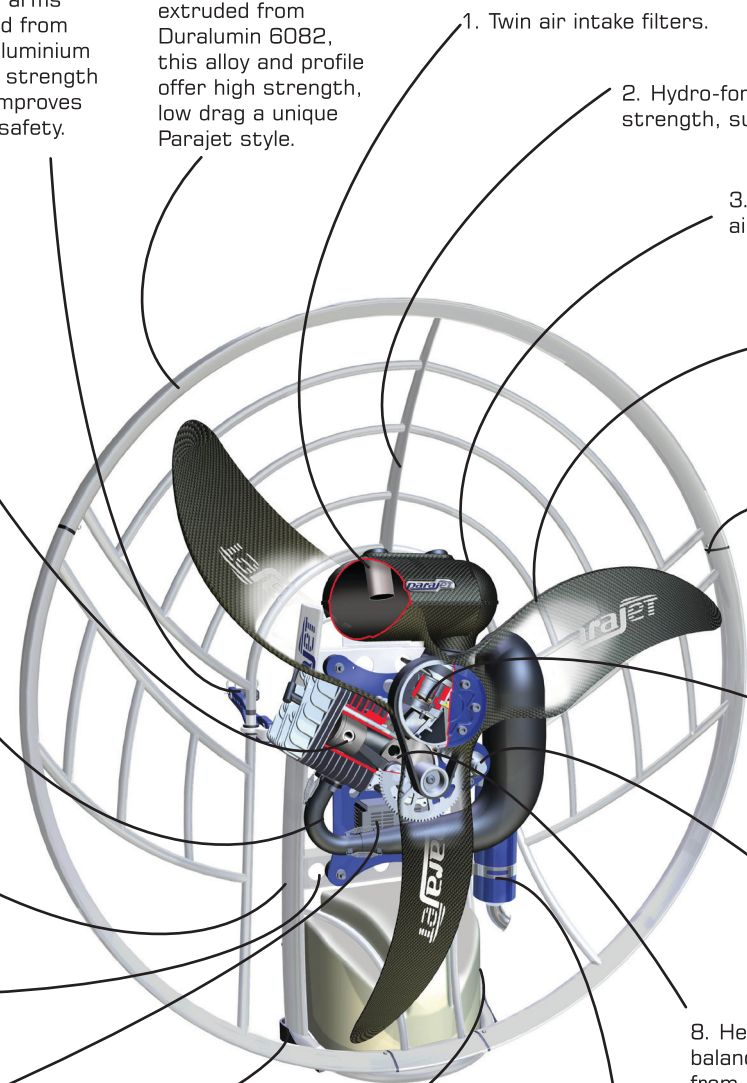
5. Aerofoil Quick-Clips our unique cage connection system for the fastest 'fold down' time in the industry (takes just seconds).

6. Walbro diaphragm carburettor with integral fuel pump and cold start switch.

7. High energy 12 volt starter motor, industry standard for proven reliability and performance

8. Heart of the engine, a precision balanced crankshaft manufactured from high strength EN24 steel and tempered for durability.

9. Low noise anodised exhaust muffler, fitted with spiral baffles for the most efficient noise reduction.





### HIGH POWER

Micro prop,  
ultra compact,  
quiet and powerful  
carbon composite

For lightweight pilots and  
easy transportation



Standard with  
all Volution models

## Tech Spec

### PARAMOTOR

PARAMOTOR WEIGHT

25 kg

DIAMETER

90cm (34.5inch) 3 sections

CONSTRUCTION MATERIAL

Aluminium-Magnesium Alloy

PROPELLOR TYPE

3 blade Carbon Composite

### ENGINE

POWER OUTPUT

22HP at 7600rpm

ENGINE MANUFACTURER

Parajet Uk Ltd

ENGINE TYPE

180cc Single Cylinder 2-stroke

ENGINE WEIGHT

14.4 kg

FUEL CONSUMPTION

5 litres per hour

### PERFORMANCE

STATIC THRUST

50 kg

FUEL TANK CAPACITY

6 litres

RANGE

1 hour

PILOT WEIGHT RANGE

50-80 kg

NOISE LEVEL

70db at 30 metres

STARTER

Electric start

Dimensions: 90x90x35cm

Folded dimensions: 65x40x35cm

## Volution MICRO

### THE ULTRA COMPACT TRAVEL PARAJET, DESIGNED FOR SMALLER GUYS AND GIRLS.

The smallest personal aircraft in the world, this is the ultimate travelers and explorers machine. We've taken it all over the world because it's so easy to take anywhere!! Designed specifically with transportability and smaller sized people in mind, the Volution Micro is powerful, lightweight, extremely compact and incredibly practical. It's the perfect machine for smaller guys and girls, who want to avoid the extra hassle of weight and size. We've incorporated the same unique styling and aerofoil technology to ensure the Volution Micro performs just like its bigger brothers, with the same responsive and dynamic handling as well as all the easy to use design features we've dreamt up!!

### FEATURES

- Super Compact Size (only 88cm)
- Easiest ever to transport
- Ultimate travel aircraft
- High power to weight ratio
- Super strong aerofoil structure
- Carbon fibre Scimitar propeller

### COLOUR SCHEMES

- Standard: Silver and Blue



### CARBON FIBRE

Forced air intake, filter  
and inlet silencer

### MAGNESIUM ALLOY

Weight shift  
harness steering  
linkage

10 Litre, 2 flight range

Tank design improves air flow to  
the prop around the pilot

## Tech Spec

### PARAMOTOR

PARAMOTOR WEIGHT

26 kg (57 lbs)

DIAMETER

106cm (41inch) 3 sections

CONSTRUCTION MATERIAL

Aluminium-Magnesium Alloy

PROPELLOR TYPE

3 blade Carbon Composite

### ENGINE

POWER OUTPUT

22HP at 7600rpm

ENGINE MANUFACTURER

Parajet Uk Ltd

ENGINE TYPE

180cc Single Cylinder 2-stroke

ENGINE WEIGHT

14.4 kg (31 lbs)

FUEL CONSUMPTION

4 litres per hour

### PERFORMANCE

STATIC THRUST

50 kg (110 lbs)

FUEL TANK CAPACITY

10 litres

RANGE

2 hours

PILOT WEIGHT RANGE

65-100 kg (140-220 lbs)

NOISE LEVEL

70db at 30 metres (90ft)

STARTER

Electric start

Dimensions: 106x90x35cm

Folded dimensions: 65x40x35cm

## Volution COMPACT

### THE ULTIMATE ALL ROUND PERFORMANCE PARAJET.

The Volution is designed to be the ultimate all round performance personal aircraft, it's the first and most popular model in our range with its high power and compact design it's incredibly practical, easy to use and reliable. The unique design is the result of our 12 years experience in the industry. We wanted to create a personal aircraft that was ideal for both the beginner and the advanced pilot, it's light weight, super strong aerofoil structure and highly responsive weight-shift flying characteristics have been refined to create an aircraft that's just pure fun to fly! Our XT180cc aero engine has been designed and manufactured in our UK factory specifically for the Volution, it's the most compact, powerful and light weight power plant available today. Fitted as standard with all the optional extras such as electric start, manual-choke and an inflight generator to re-charge the battery, the Volution is designed to be seriously exciting and easy to fly.

### FEATURES

- Pilots weights from 65 - 100 kg
- Ultra compact for easy transport
- Small prop makes take-off easy
- Low noise carbon composite propeller
- Highest power to weight ratio
- Unique aerofoil structure
- Weight-shift hands free harness design
- 100% Anti-Torque harness system
- Inflight Generator (battery re-charge)
- Power Point Output Socket (12 volts)
- Carbon Fibre Scimitar Propeller

### COLOUR SCHEMES

- Standard: Silver and Blue





## Tech Spec

### PARAMOTOR

PARAMOTOR WEIGHT

27 kg

DIAMETER

136cm (53inch) 3 sections

CONSTRUCTION MATERIAL

Aluminium-Magnesium Alloy

PROPELLOR TYPE

3 blade Carbon Composite

### ENGINE

POWER OUTPUT

22HP at 7600rpm

ENGINE MANUFACTURER

Parajet Uk Ltd

ENGINE TYPE

180cc Single Cylinder 2-stroke

ENGINE WEIGHT

14.4 kg

FUEL CONSUMPTION

3.1 litres per hour

### PERFORMANCE

STATIC THRUST

70 kg

FUEL TANK CAPACITY

14 litres

RANGE

4 hours

PILOT WEIGHT RANGE

65-160 kg

NOISE LEVEL

68db at 30 metres

STARTER

Electric start

Dimensions: 136x136x35cm

Folded dimensions: 90x40x35cm

## Volution MACRO

### DESIGNED FOR LONG DISTANCE FLYING AND HEAVY WEIGHT PILOTS.

The Volution Macro is design specifically for the dedicated long distance flyer and the heavy weight pilots of 100 kg or more who wants serious power. Equipped with our latest 1.3 metre (51") Scimitar carbon prop the Macro boasts an incredible 4 hour flight range from it's 14 litre fuel tank. Powered by our purpose designed and manufactured Parajet engine, the Macro produces a staggering 70 kg of thrust, for the average weight pilot it's designed to cruise in level flight at only quarter throttle making it smooth, quiet and incredibly fuel economical. The aerofoil, high strength structure make it incredibly rugged and the aerodynamic styling is completely unique to Parajet. We've designed the Macro for ultimate efficiency, power and strength and the cage splits into three sections making it easy to transport. If you want serious thrust and long range....this is the Parajet for you!!

### FEATURES

- 4 hour Flight range
- Ultra efficient propeller
- Super strong aerofoil structure
- High Power 70 kg thrust
- Practical 3 part cage design
- Electric start
- Parajet XT 180cc Engine

### COLOUR SCHEMES

- Standard: Silver and Blue

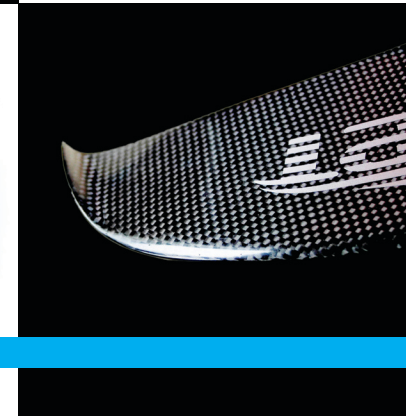


# Parajet Accessories

*Order your own custom Parajet. This Volution Compact Stealth example comes with a silver silencer and hand control as well as a black chassis, frame, exhaust and wing.*



STAND OUT FROM THE CROWD  
Create a personal look for your Parajet with Genuine Accessories. You can view the entire range of accessories online at:  
[www.parajet.com/shopmag](http://www.parajet.com/shopmag)







**PARAJET PILOT: BEAR GRYLLS**

"Thanks to Parajet's meticulous attention to detail, unending dedication and sheer hard work, we managed to fly a powered Parajet paramotor to above the height of Mt Everest. despite the fact that so many 'experts' told us we were mad - Parajet made the 'impossible' happen. I only wish all other companies had such innovation and good service.

We chose Parajet for three simple reasons: reliability, efficiency and power to weight ratio. Not to mention that they look very cool! But, ultimately, when your life depends on an engine, only the best will do." Bear Grylls



# Technical Specifications

## PARAJET VOLUTION RANGE



### PARAMOTOR

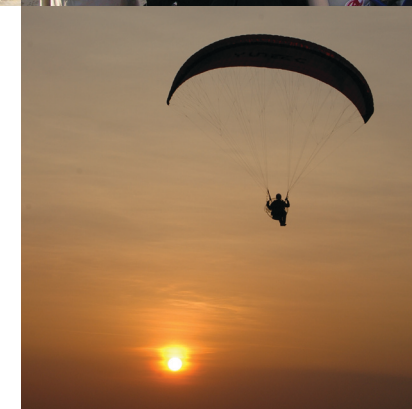
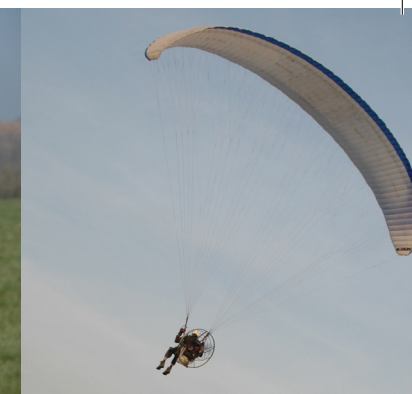
	Micro	Compact	Macro
PARAMOTOR WEIGHT	25 kg	26 kg	27 kg
DIAMETER	90cm (34.5inch)	106cm (41inch)	136cm (53inch)
DIMENSIONS	90x90x35cm	106x90x35cm	135x136x35cm
FOLDED DIMENSIONS	65x40x35cm	65x40x35cm	90x40x35cm
CONSTRUCTION MATERIAL	Alu-Magnesium Alloy	Alu-Magnesium Alloy	Alu-Magnesium Alloy
PROPELLOR TYPE	3 blade	3 blade	3 blade
PROPELLOR MATERIAL	Carbon Composite	Carbon Composite	Carbon Composite

### ENGINE


ENGINE MANUFACTURER	Parajet International	Parajet International	Parajet International
POWER OUTPUT	22HP at 7600rpm	22HP at 7600rpm	22HP at 7600rpm
ENGINE TYPE	180cc 2-stroke	180cc 2-stroke	180cc 2-stroke
ENGINE WEIGHT	14.4 kg	14.4 kg	14.4 kg
FUEL CONSUMPTION	5 litres per hour	4.1 litres per hour	3.5 litres per hour

### PERFORMANCE

STATIC THRUST	50 kg (110lbs)	55 kg (120lbs)	70 kg (155lbs)
FUEL TANK CAPACITY	6 litres	10 litres	14 litres
RANGE	1.2 hour	2.2 hours	4 hours
PILOT WEIGHT RANGE	50-80kg (110-176lbs)	65-100kg (140-220lbs)	65-160kg (140-352lbs)
NOISE LEVEL	70db at 30m (90ft)	70db at 30m (90ft)	68db at 30m (90ft)
STARTER	Electric start	Electric start	Electric start





A person in a green sweater and jeans stands with their back to the camera on a grassy hill, looking up at a paraglider in the sky. The entire scene is tinted with a blue color.

All over the World the name Parajet is synonymous with advanced design, ground breaking innovations and excellent performance. It is a reputation that has been built over many years and one which is regularly reinforced by the introduction of exciting new products. Within Parajet everyone strives to ensure that every product and service generates a positive feeling of intense excitement and deep satisfaction within our customers' heart. Not only the first time, but every time.

It all began in Wiltshire, England, with the foundation of Parajet Ltd who secured the UK distribution rights for the Whisper DX. Parajet's first paramotor was born out of the belief that it could do better. The product line-up has since concentrated on the Parajet Volution (the first ever paramotor to be built with a complete metal frame) and the various off-shoots of this model.

The Wiltshire head-office, Parajet UK Ltd, was founded in 2002 and acts as a coordinator between the various Parajet Distributors in Europe and the rest of the World. The Parajet Distributors are responsible for marketing and distribution of the Parajet Brand within their country. This happens through an official network of carefully selected dealers. Parajet has invested in developing it's production facility in Wiltshire which manufactures the complete range of Parajet Paramotors.

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