



Yuel Beast Designs Motif Mobius

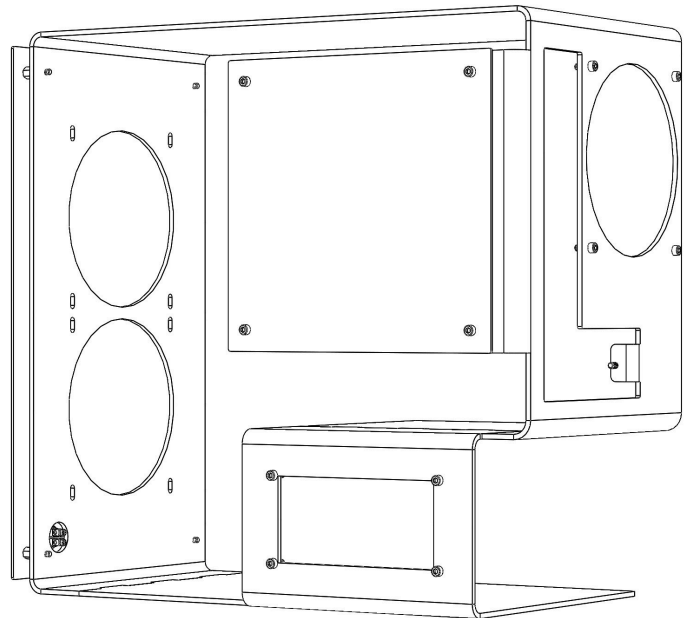
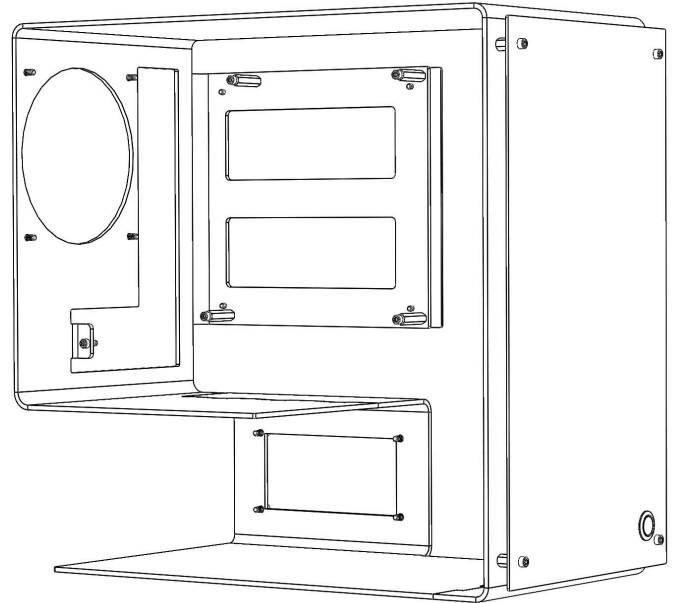
Thank you for your interest in the Motif Mobius. This is the spiritual successor to the Monument, with a focus on liquid cooling. The Mobius is the approximate size and shape of a standard mid-tower case, but features a unique open chassis design that is unlike any other case on the market.

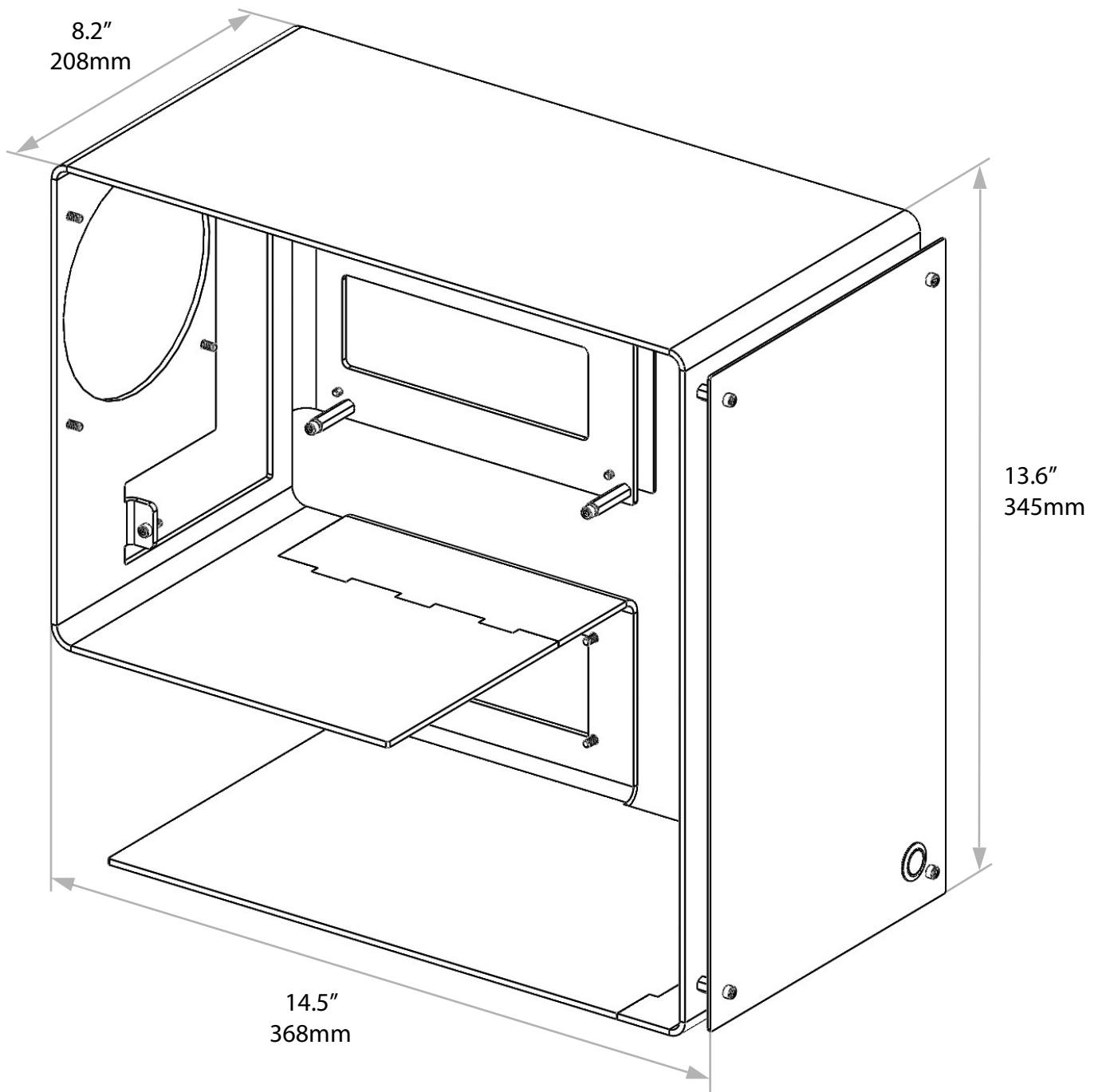
The chassis is a continuous strip of steel that is contorted to accommodate components in an eye-catching way. The motherboard and graphics card are suspended on a pair of flanges that extend from the outer edges of the chassis, all of which is supported by the PSU flange.

The main chassis of the Mobius consists of 2 pieces that are painstakingly cut, bent, welded and finished to create a near seamless loop of steel. The chassis features a 120mm and 240mm hole pattern for AIO coolers, which can also be used for a custom loop with a small pump/reservoir combo. The front radiator cut outs, and the back of the motherboard flange are shrouded by 2 pieces of either polished stainless steel, or black powder coated steel.

This is a project kit designed for advanced PC builders who have experience and familiarity with the challenges of custom PC building. We hope this product will be an important part of your next build and that you will make something both useful and captivating. Enjoy!

-Eric and Ken, Yuel Beast Designs

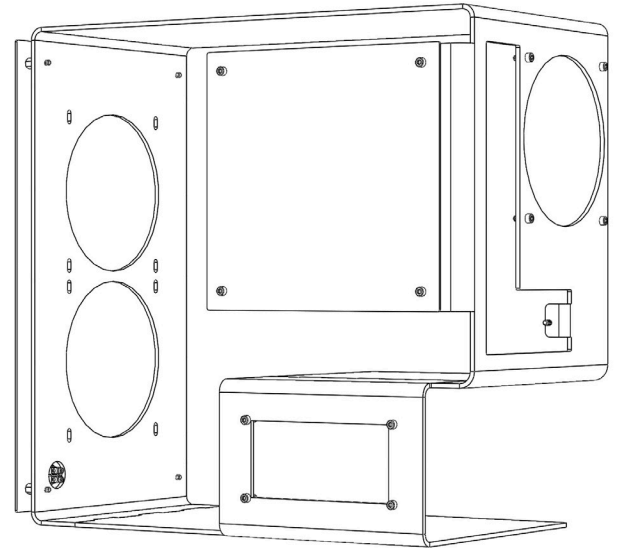
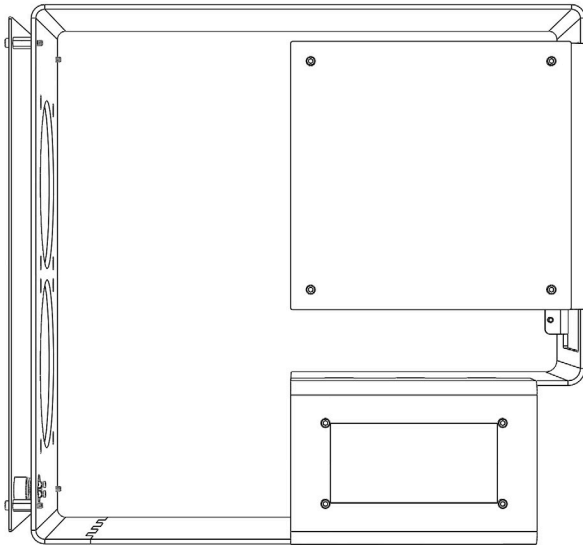
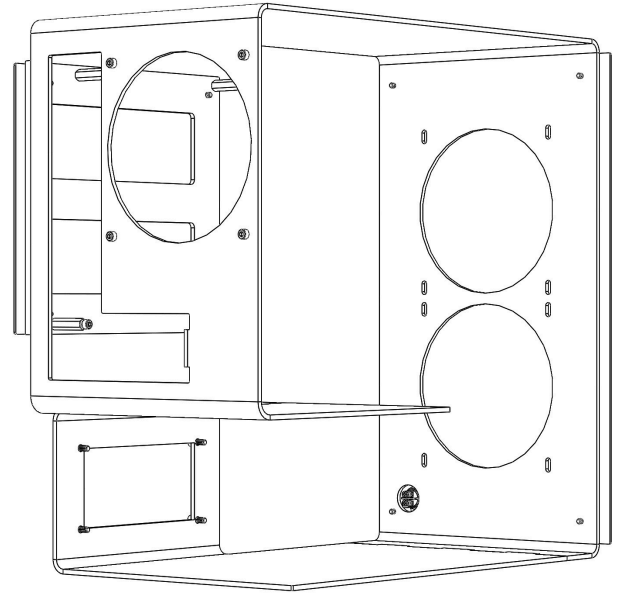
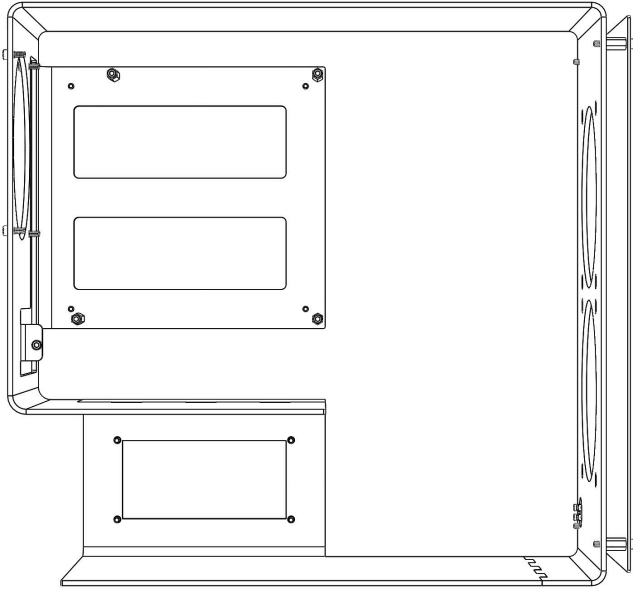




Weight of Chassis & Flanges: 18 lbs
Ships in a 20" x 18" x 12" box

Fabrication and Material Specifications

Each chassis begins as 4x5' sheets of 11 gauge cold rolled steel. The front and back panels are 16 gauge 304 stainless steel with a type 4 polish, or CRS with a matte black powder coat. The parts are cut on a 3000 watt CNC fiber laser. The strip of steel that makes up most of the chassis is bent in five places using a precision hydraulic press brake. The PSU flange is bent and welded to puzzle the strip together. These welding points are carefully finished and the chassis part is powder coated.



Included Parts and Hardware

1. Main chassis
2. Front plate (Stainless Steel or Matte Black Powder coat)
3. Back plate (Stainless Steel or Matte Black Powder coat)

4. 1" motherboard standoffs (4)

Male-female threaded hex standoff, zinc-plated steel 1/4" wide, 1" long, 6-32 thread



5. 1/2" plate standoffs (8)

Male-female threaded hex standoff, zinc-plated steel 1/4" wide, 1/2" long, 6-32 thread



6. Motherboard fasteners (4)

7. Plate fasteners (8)

8. Radiator Mounting Fasteners (12)

9. PSU fasteners (4)

Black-oxide alloy steel socket head screw, 7/64 head, 6-32 thread, 3/8" long



10. GPU mounting thumb screw (1)

Black anodized aluminum thumb screw, 12mm head diameter, diamond pattern knurling, 6-32 thread



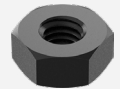
11. 1 1/4" fan mounting screws (12)

Black-oxide alloy steel socket head screw, 7/64 head, 6-32 thread, 1 1/4" long



12. 6-32 fan mounting hex nut (12)

Black-oxide 18-8 Stainless Steel Hex Nut, 5/16" wide, 6-32 thread



13. Thread caps (8)

14. Hex wrench for fasteners

15. Cable Clip (2)

16. 16mm power button with O-ring

17. Power button wire with ferrule ends

18. Adhesive-back rubber feet (4)

Assembly Instructions

1. Before unpacking or assembling, **please note that the motherboard flange is somewhat susceptible to bending**, we do not recommend resting the weight of the case directly on this flange, or holding the chassis by this flange. For ease of assembly, you may lay the chassis in the provided foam packaging insert when you are installing the motherboard and graphics card.
2. Screw the four 1" standoffs into the motherboard flange by hand (fig. 1). Pre-install the CPU cooler as well as the RAM, then mount the motherboard to the stand-offs using the provided 6-32 screws.
3. Install the GPU and use the thumb screw to secure the card into the GPU flange. If there is mis-registration between the GPU and the mounting flange, double check that the correct 1" motherboard standoffs were used.
4. Remove the chassis from the foam insert and stand it up normally. If you are using an AIO CPU or GPU cooler, secure the radiators to the inside fan mounting hole patterns.
5. Screw four of the 1/2" standoffs into the front of the chassis, and the other four into the back of the motherboard flange (fig. 2). Screw the thread caps onto the exposed threads of the front panel and motherboard standoffs.
6. Secure the PSU into the hole pattern on the lower area of the chassis, we recommend adhering cable clips to the horizontal band in the middle of the motherboard flange.
7. Fasten the backplate into place behind the motherboard. Mount the provided 16mm button onto the hole in the front plate. Screw the ferrules of the power wire into the button contacts and mount the front plate so the button fits into the through hole on the chassis (fig. 3).

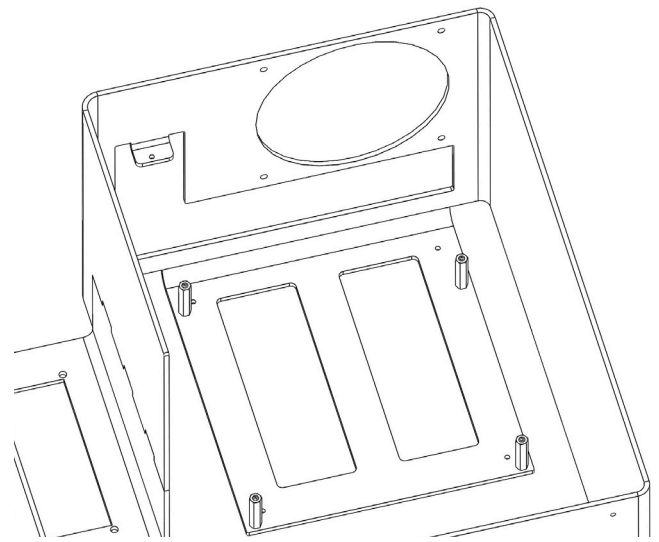


fig. 1

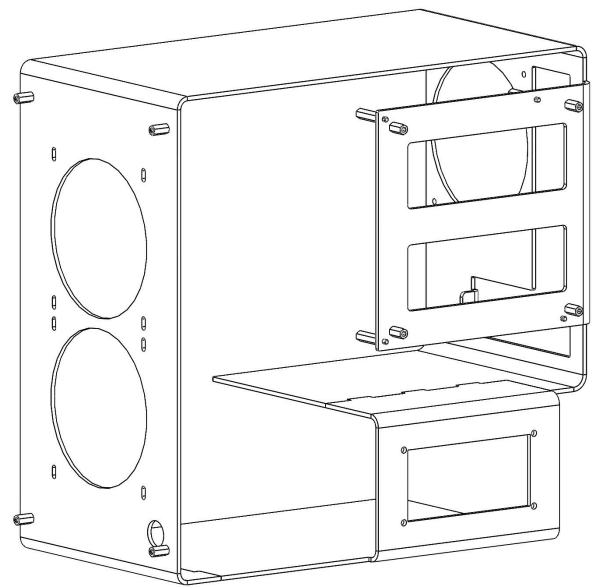


fig. 2

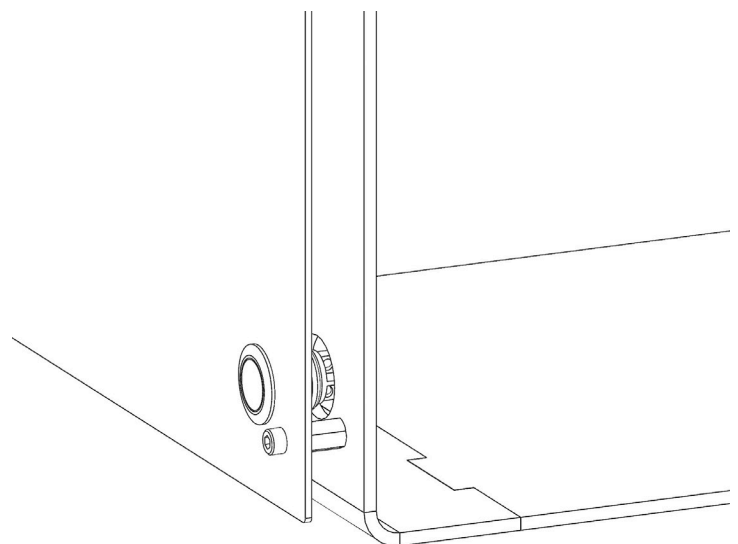


fig. 3

Component Compatibility

Motherboard

The Mobius can accommodate all Mini-ITX or DTX motherboards. Any other formats cannot be mounted to this chassis.

CPU Cooler

This chassis is intended to support all-in-one CPU coolers, or a fully custom loop, with 240mm radiators. That said, you may also install an air cooler of any size, as long as it can fit on M-ITX motherboards.

RAM

There are no limitations on RAM size, but if you use a large air cooler, you may want to use a low-profile RAM.

PSU

Only SFX or SFX-L PSUs will fit in the hole pattern. **Full size ATX PSUs cannot be mounted to this chassis.** We recommend only using fully modular PSUs, as custom cables are required to make a clean build on this chassis.

GPU

We recommend using 2-slot GPUs, but most 2.5 and 3 slot cards will fit on the chassis. The maximum GPU length depends on what you have installed on the **inside** of the 240mm hole pattern on the right. Please see clearance measurements below:

- No Fan/Radiator: 333mm / 13.1"
- 25mm fan: 308mm / 12.1"
- 29.5mm Radiator + 25mm fan: 278mm / 10.9"

Power Button Mounting Holes

The Mobius ships with an included 16mm button and power wire. There is a 16mm through-hole on the front plate and a 3/4" hole on the main chassis. As of the first production iteration, if you do not want to use a front plate, you will need a 3/4" button for the hole on the chassis.

Pumps & Reservoirs

Using a 120mm bracket, you can easily mount a small pump or reservoir over the rear 120mm hole pattern, or on top of a fan mounted to the 240mm hole pattern. We found the EK Quantum Kinetic FLT120 to be an excellent solution for a custom loop.

Power Cables

This case was designed to be used with custom sleeved PSU cables. In our production prototypes, we successfully used the lengths listed below, though we highly recommended taking careful measurements with your own components installed on the case. The backplate has plenty of room for cable management clips to properly arrange the runs in an organized way. Feel free to cut, crimp, and sleeve your own cables or buy professionally made cables and accessories from a company such as Mainframe Customs or CableMod.

- 24 Pin: 23"
- EPS: 28"
- PCI: 12"
- Sata/ Molex: 15"

Please visit our website for our current return policy, terms of service, privacy policy, and other important information.

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