



## fractal design R6 USB C Design Define User Guide

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fractal design R6 USB C Design Define



**Specifications**

- Model: [Model Name]
- Dimensions: [Dimensions]
- Weight: [Weight]
- Power Source: [Power Source]
- Color: [Color Options]
- Material: [Material]
- Warranty: [Warranty Period]

**Description**

[Product Name] is a versatile and user-friendly device designed to provide [product functionality]. With its [features], it offers a seamless experience for [specific usage]. Whether you are a beginner or an expert, [product name] is suitable for all skill levels.

**Key Features**

- [Feature 1]: [Description of Feature 1]

- [Feature 2]: [Description of Feature 2]
- [Feature 3]: [Description of Feature 3]
- [Feature 4]: [Description of Feature 4]
- [Feature 5]: [Description of Feature 5]

## **In the Box**

- [Product Name]
- [Accessories]
- [Manuals and Documentation]
- [Other Included Items]






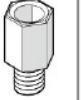


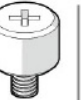
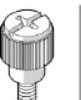
## **Setup**

1. Unbox the product and ensure all the contents are included.
2. Read the user manual and familiarize yourself with the product.
3. Connect the necessary cables and power source.
4. Follow the on-screen prompts for initial setup.

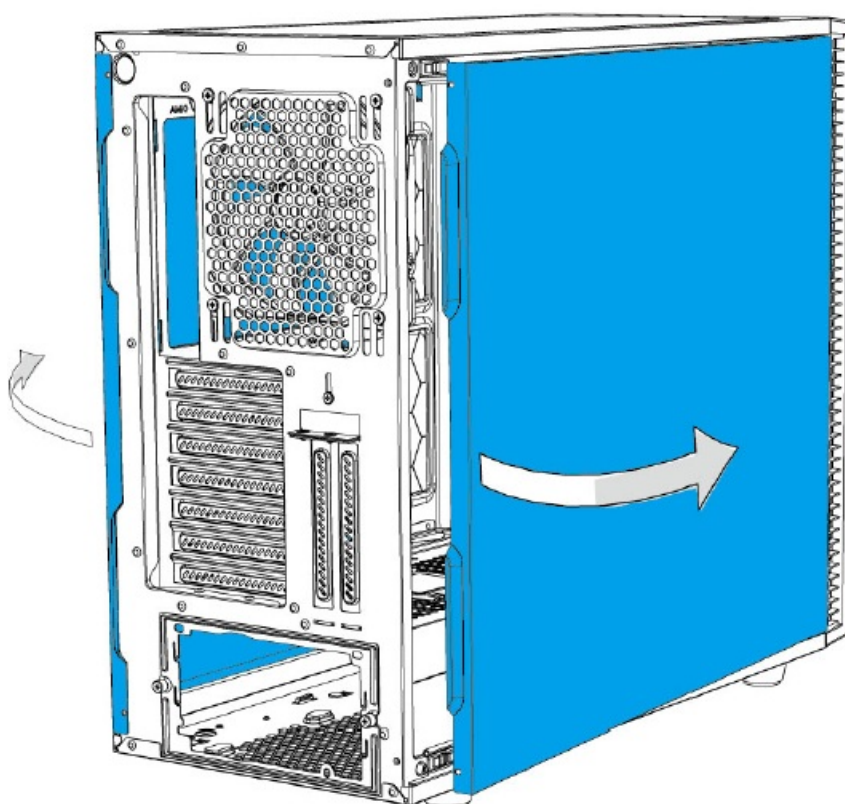
## **User Guide**

- Without question, computers are more than essential technology they have become integral to our lives. Computers do more than make living easier; they often define the functionality and design of our offices, our homes, ourselves.
- The products we choose represent how we want to describe the world around us, and how we want others to describe us. Many of us are drawn to designs from Scandinavia, which are organized, clean and functional while remaining stylish, sleek and elegant.
- We like these designs because they harmonize with their surroundings and become nearly transparent. Brands like Georg Jensen,
- Bang Olufsen, Skagen Watches and Ikea are just a few that represent this Scandinavian style and efficiency.
- In the world of computers components there is only one name you should know, Fractal Design. For more information and product specifications, visit [www.fractal-design.com](http://www.fractal-design.com)

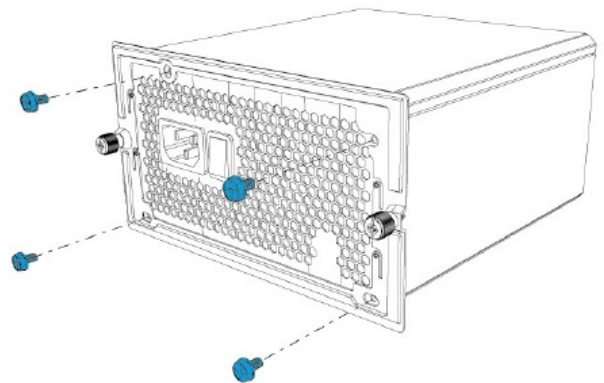
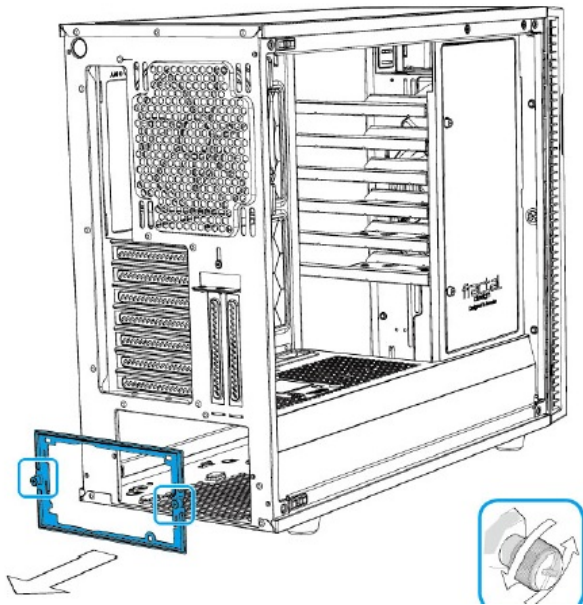
## **Accessory Box Contents**

|   |   |  |                                 |
|---|---|--|---------------------------------|
| <br><b>x4</b>  | Power Supply Screw                            | <br><b>x32</b>  | 2.5" Drive Screw                |
| <br><b>x15</b> | Motherboard screw and optional HDD tray screw | <br><b>x24</b>  | 3.5" Drive Screw                |
| <br><b>x24</b> | HDD Dampener                                  | <br><b>x1</b>   | Additional motherboard standoff |
| <br><b>x6</b>  | Cable Tie                                     | <br><b>x1</b> | Standoff Tool                   |
| <br><b>x4</b>  | Optional side panel screws                    | <br><b>x4</b> | Optical Drive screw             |

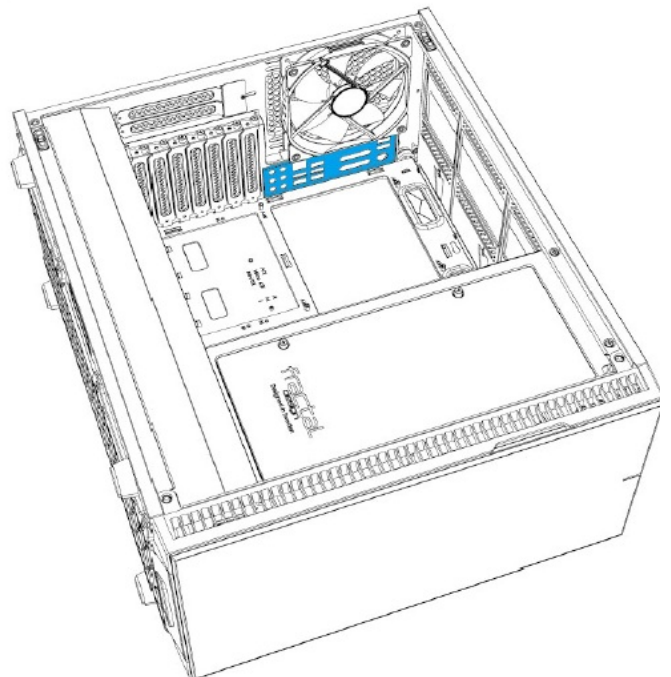
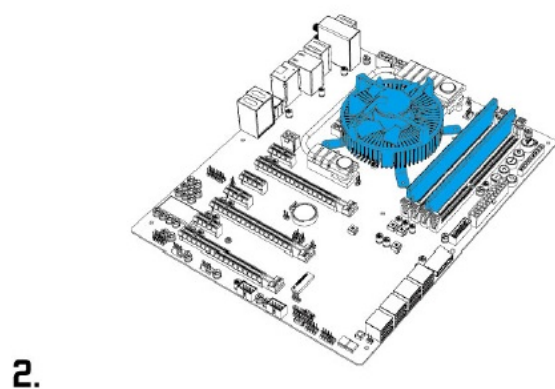
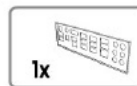
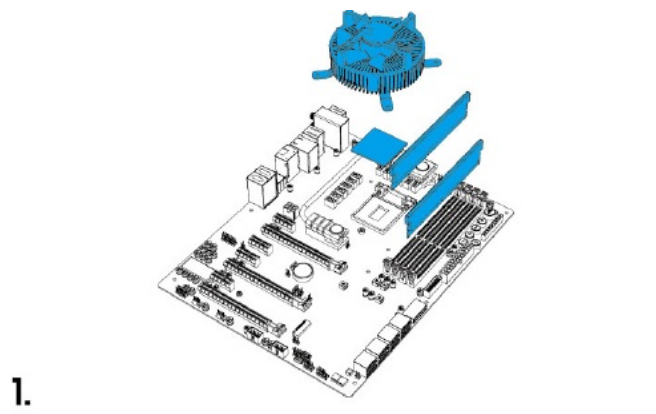
## Remove Side Panels



## Install the Power Supply

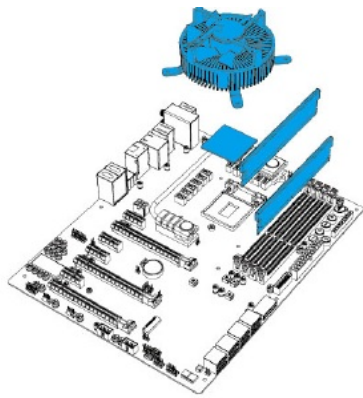


## Prepare the Motherboard Install the I/O Shield

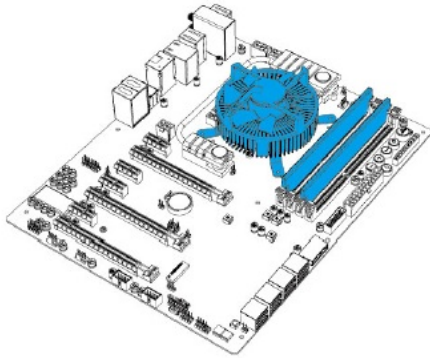


## Install the Motherboard Assembly

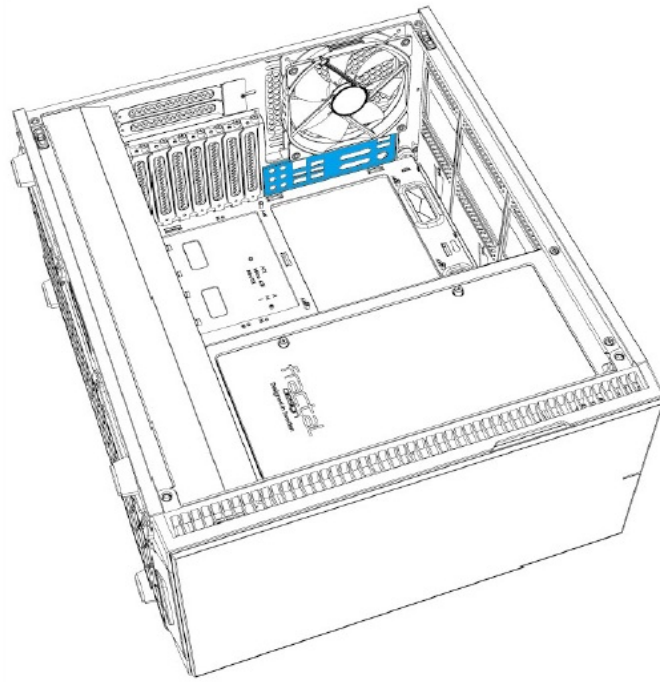
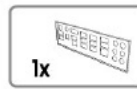




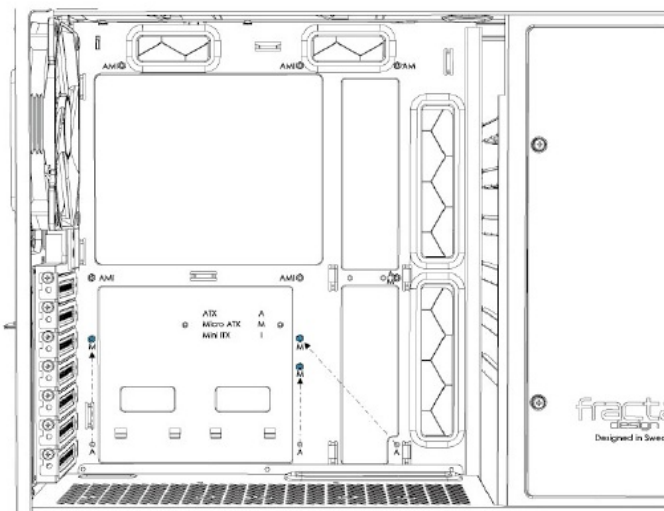
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2.

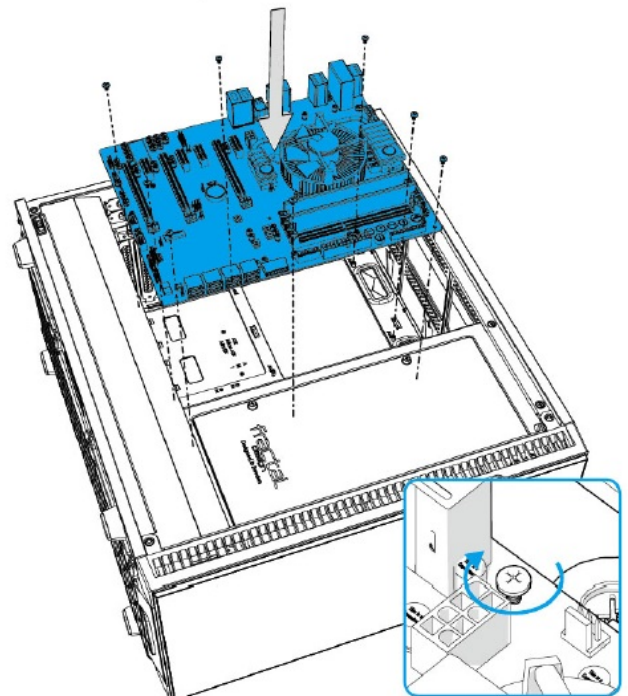
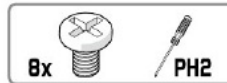


## Connect Cables for Front



**M-ATX: A → M**

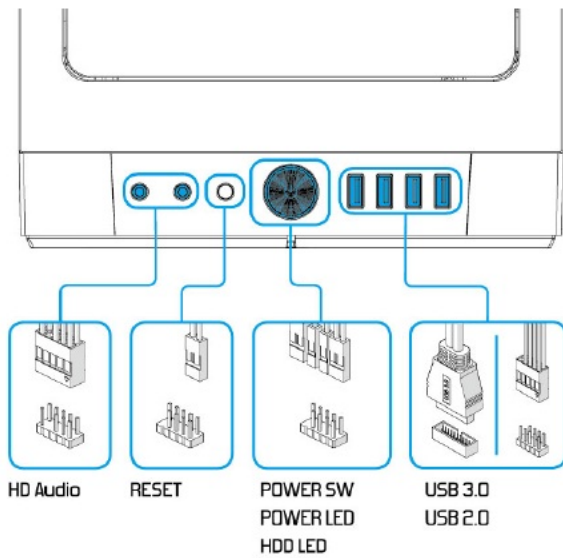
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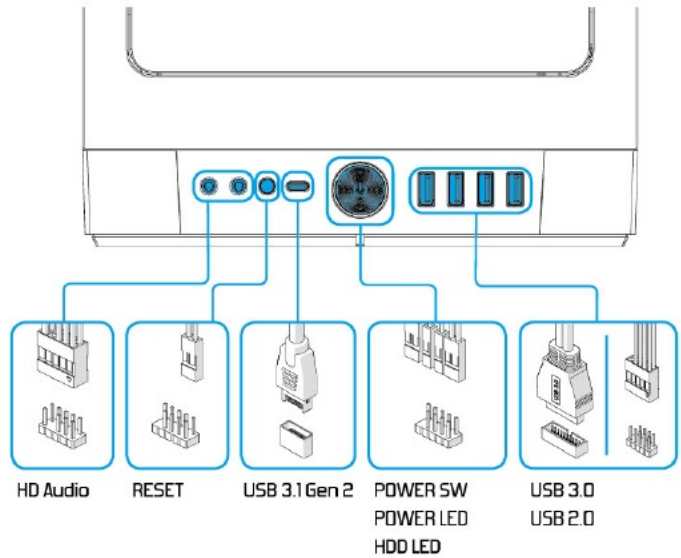
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## Connect PWM Fan Hub

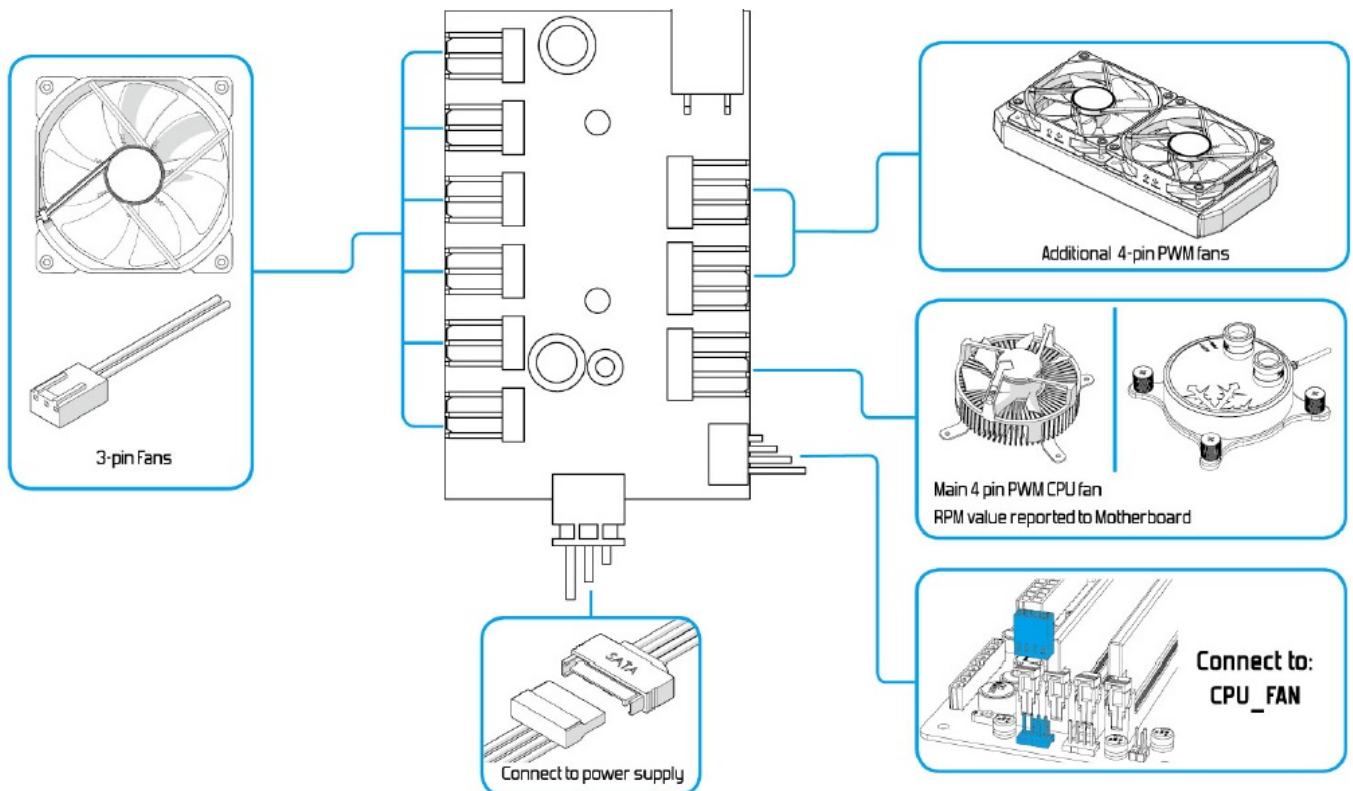
## DEFINE R6



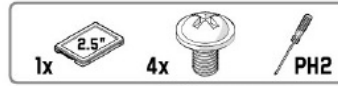
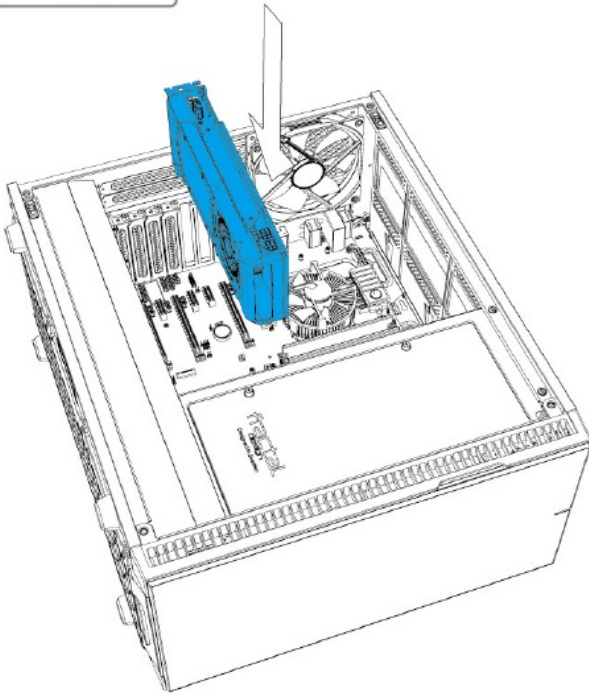
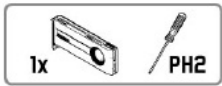
## DEFINE R6 USB-C



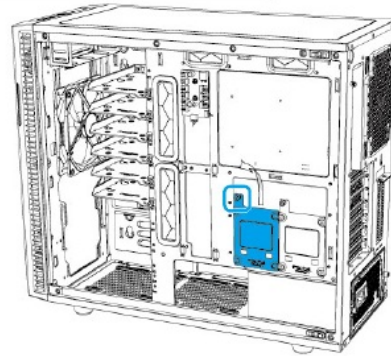
### Connect PWM Fan Hub



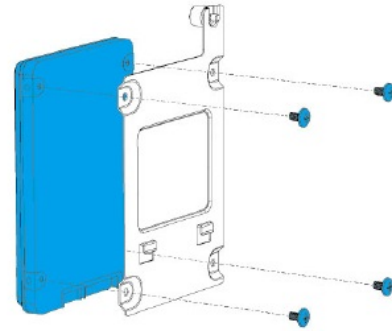
### Install the Graphics Card Install a 2.5" Drive



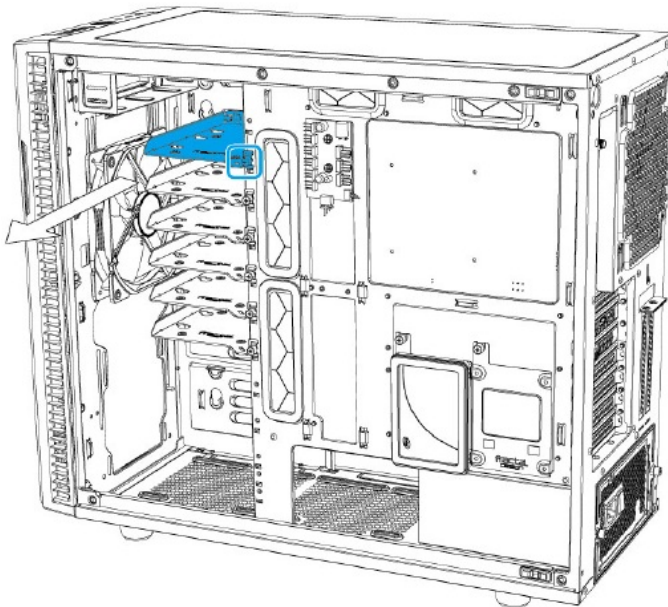
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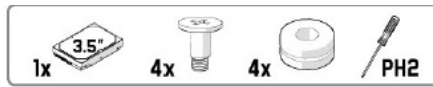
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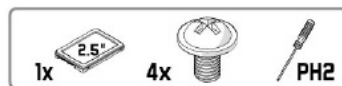
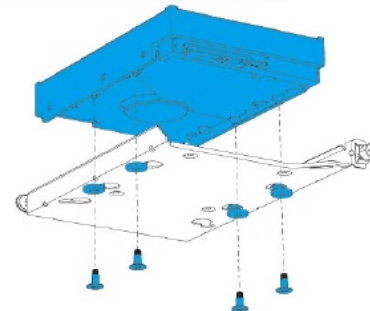
## Install a 2.5" or 3.5" Drive



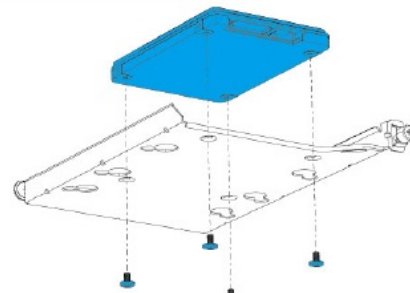
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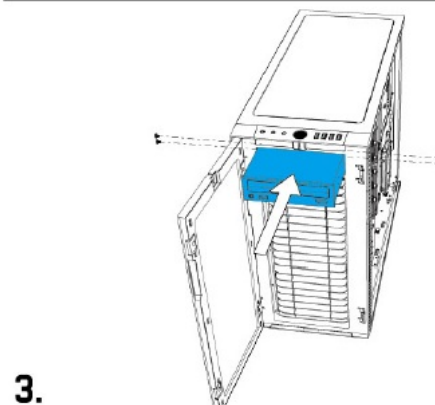
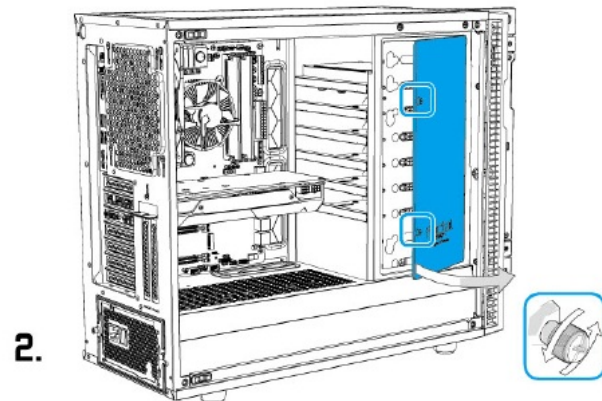
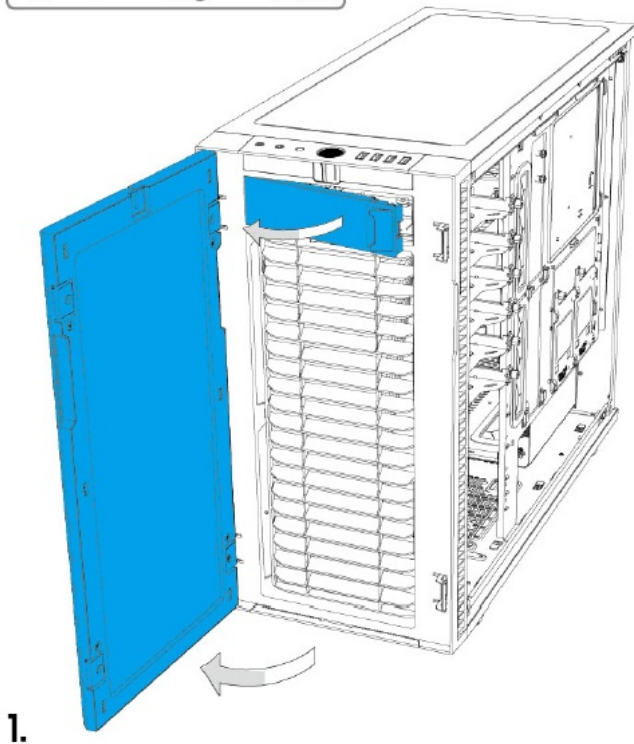
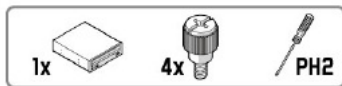


2B.



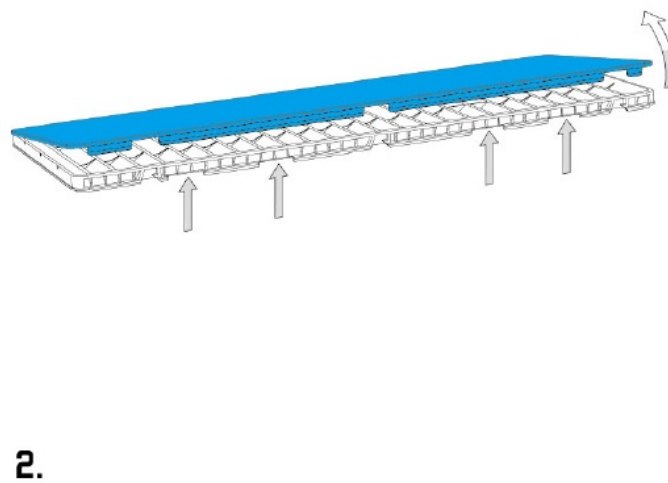
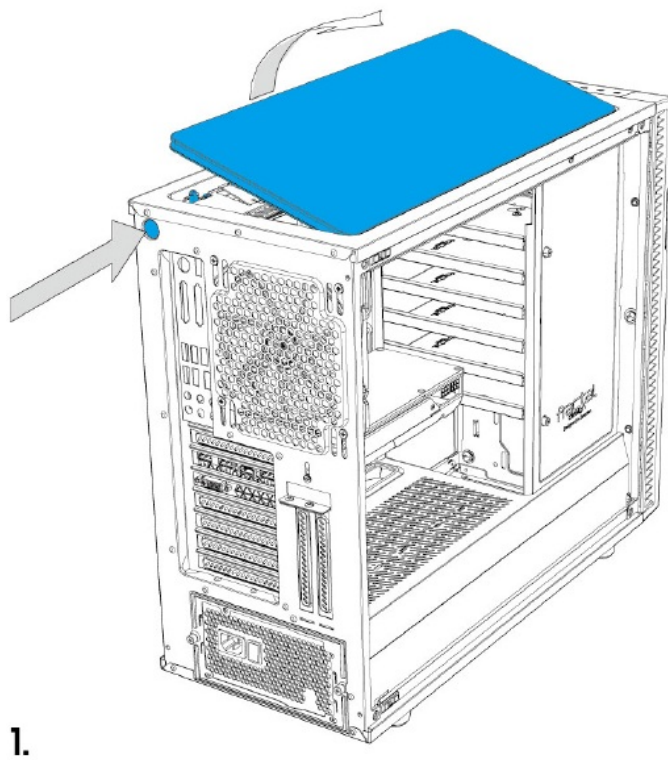
## Install a 5.25" Drive





## Optional Steps

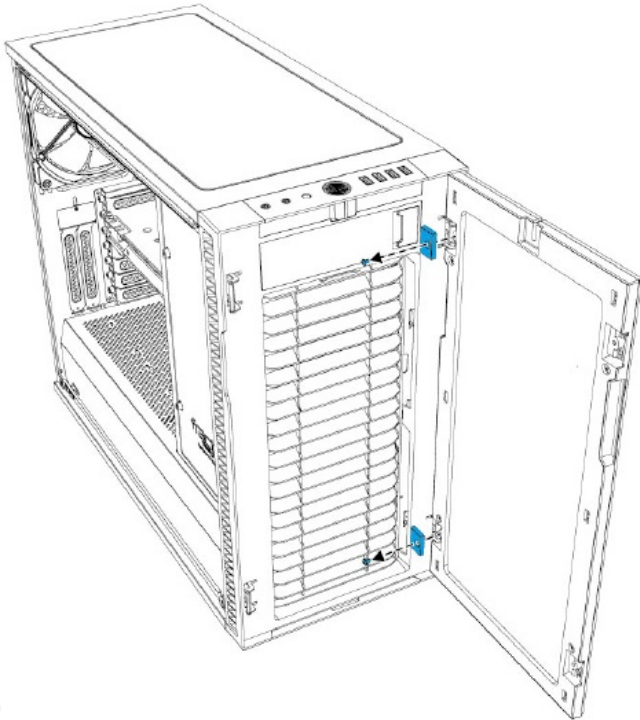
Remove ModuVent™ for additional fan slots



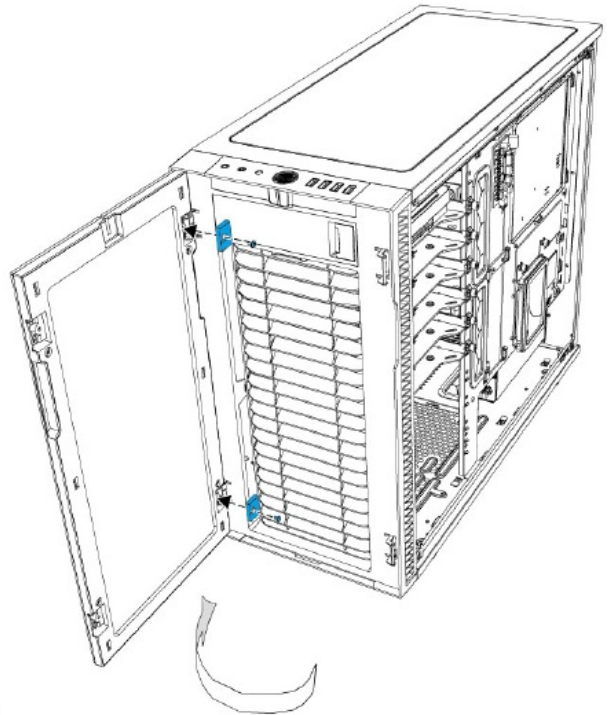
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PH2



1.



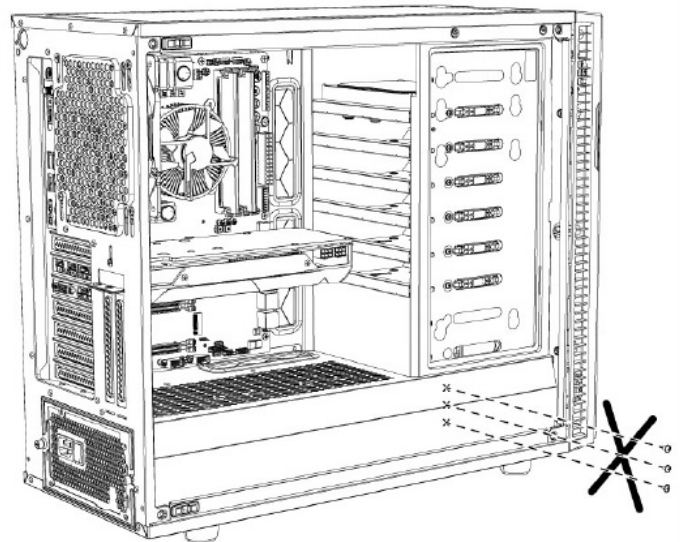
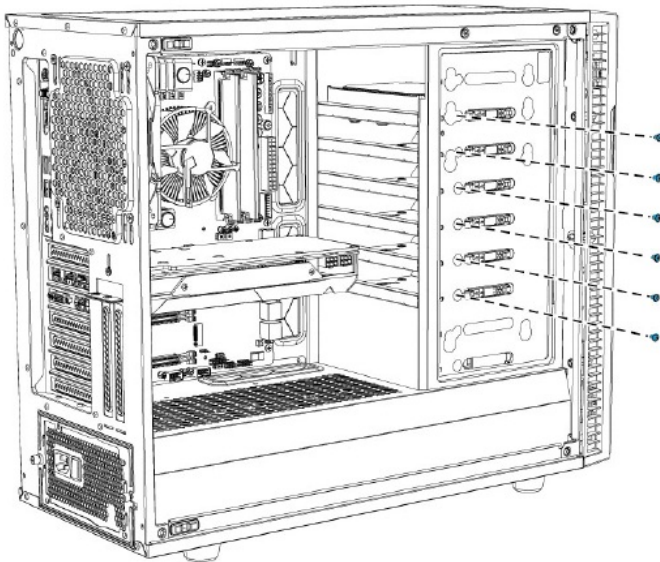
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### Securing 3.5" Drives for Transportation

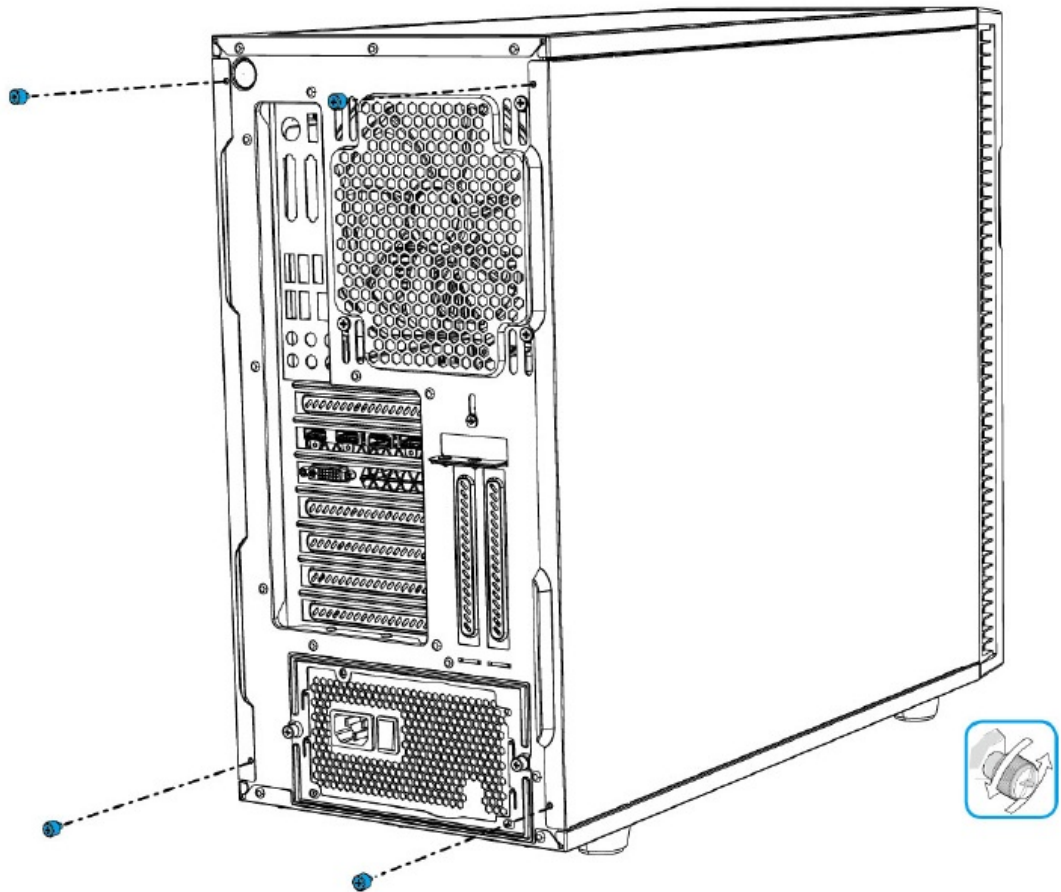
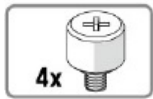


1x - 9x

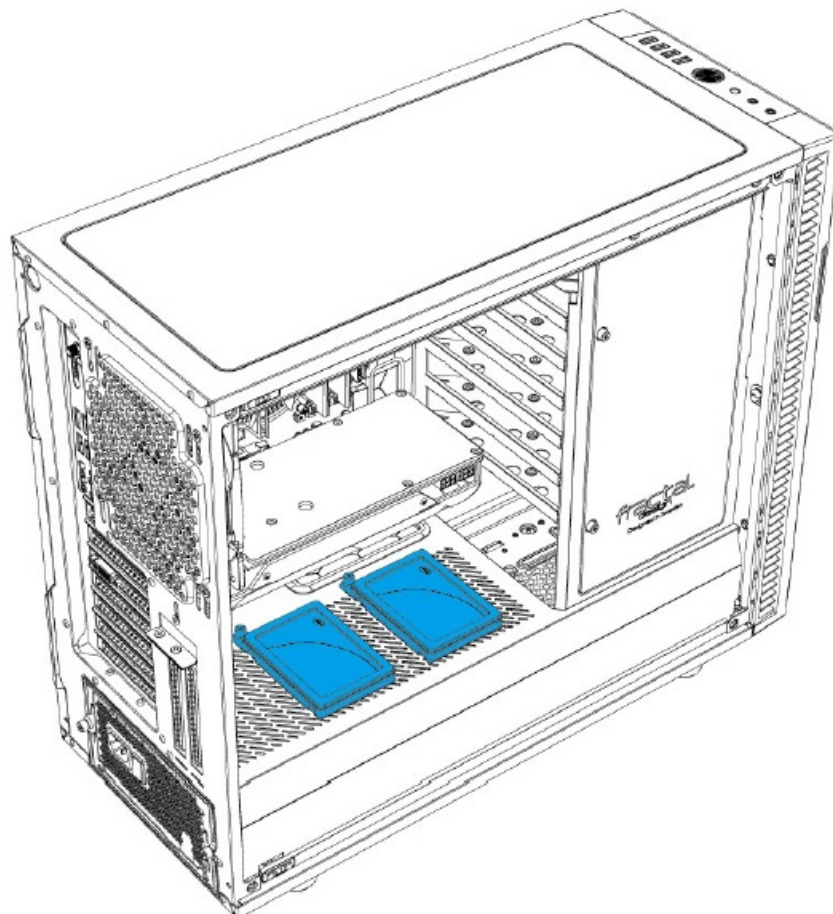
PH2



### Securing Side Panels for Transportation

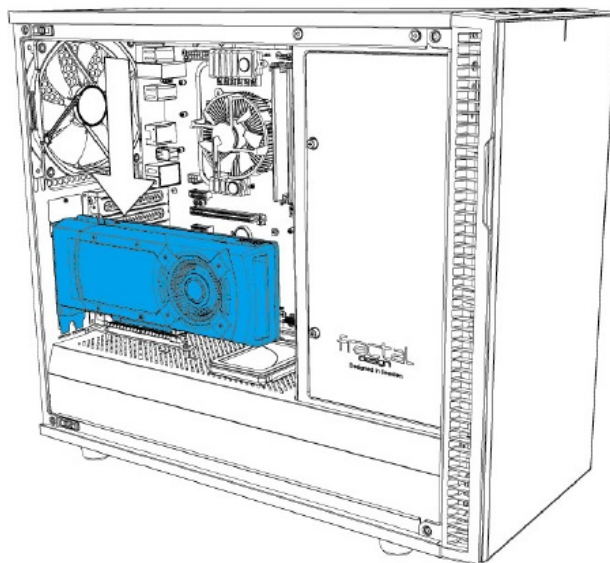
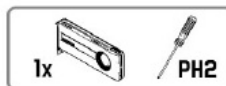
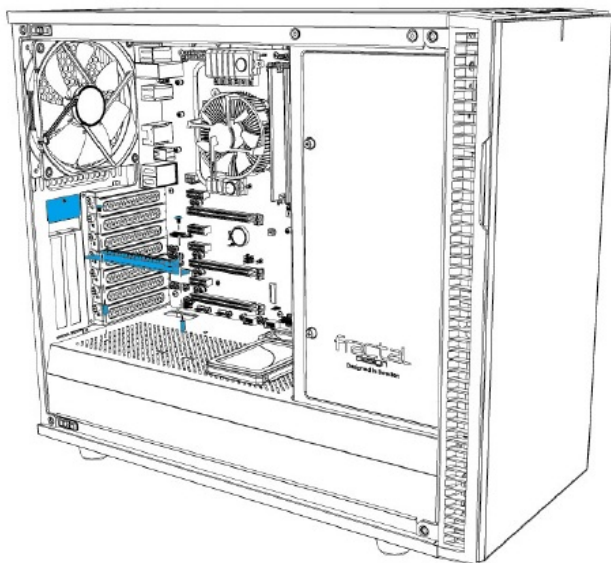


#### Alternative Placement of 2.5" Drives

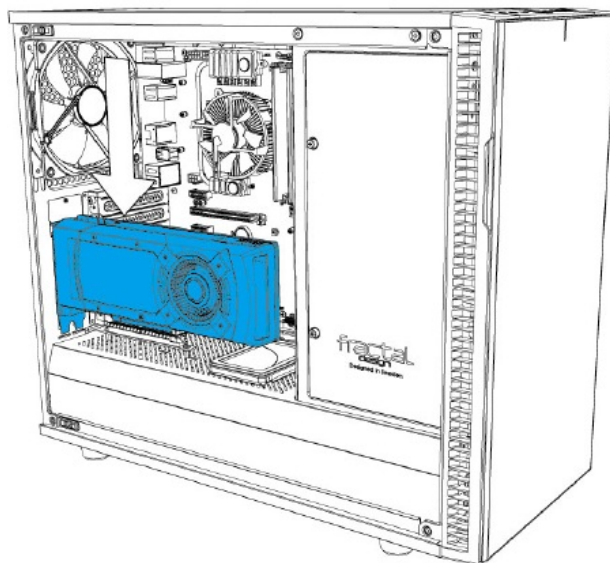
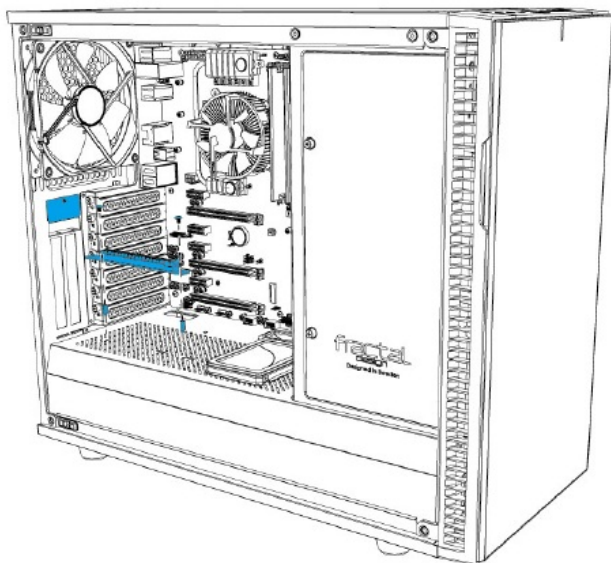


#### Alternative Placement of Graphics Card



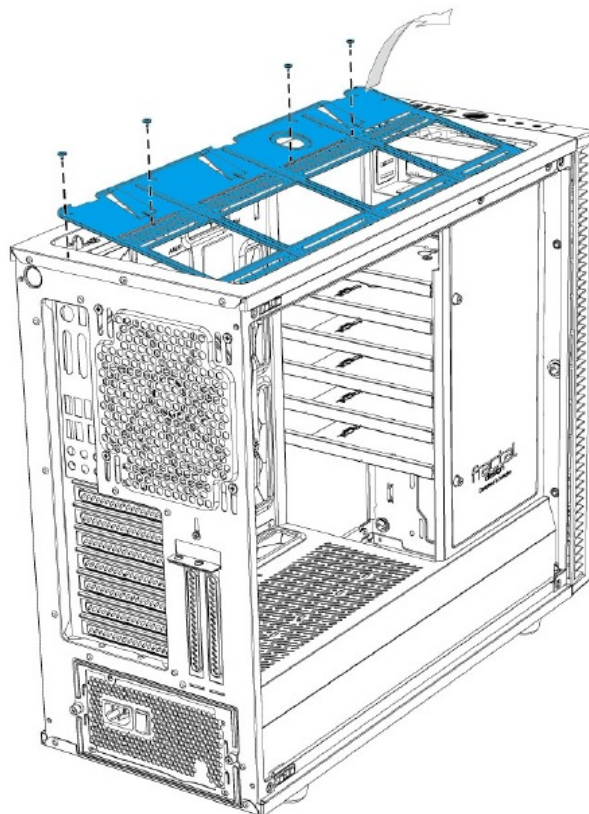
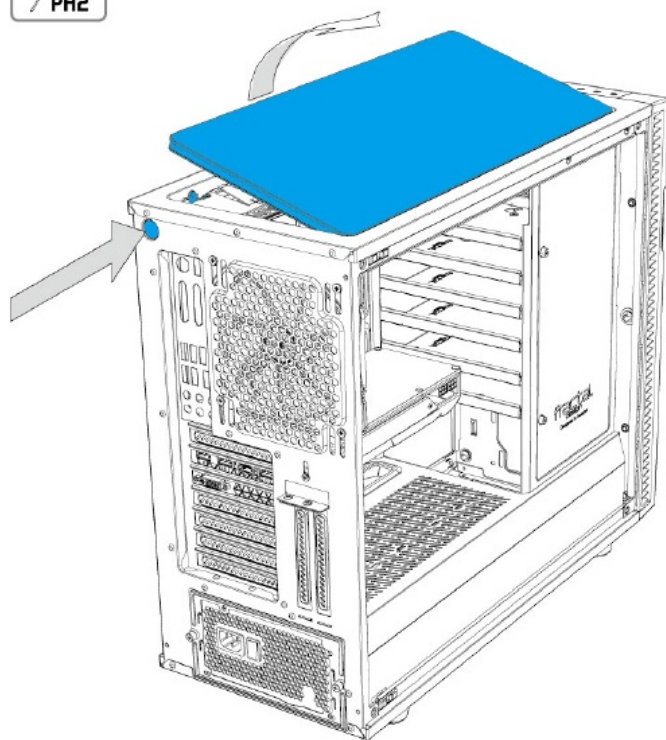


### Removing the Top Panel Inset for Easier Access

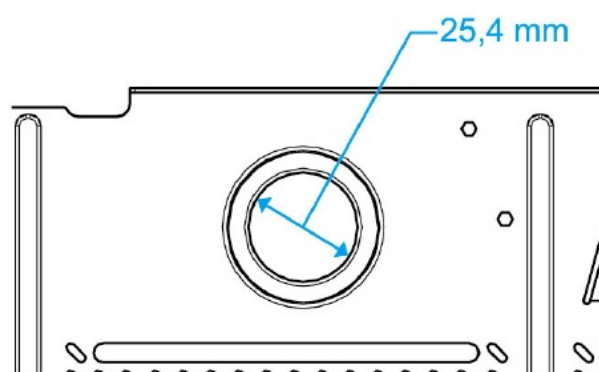
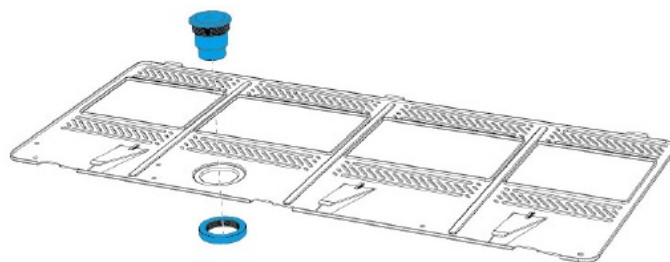


### Adding a Water Cooling Fill port

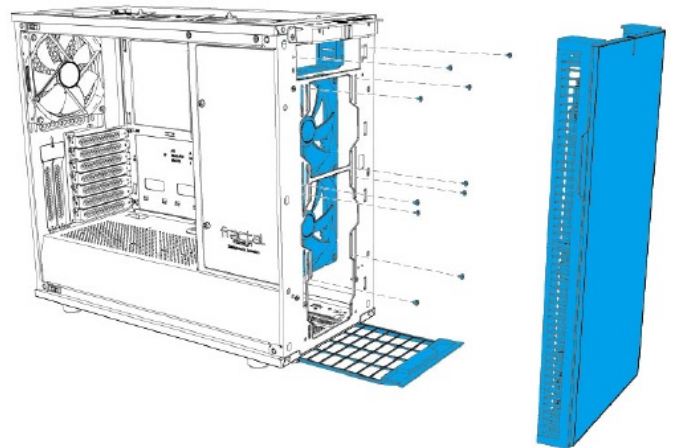
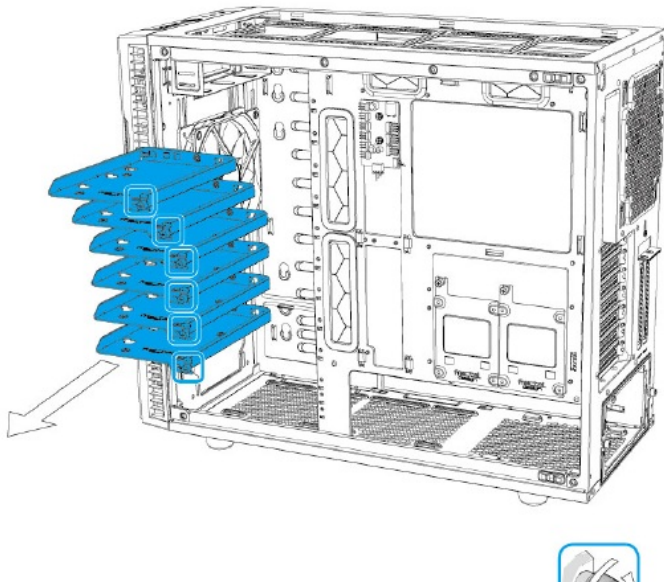




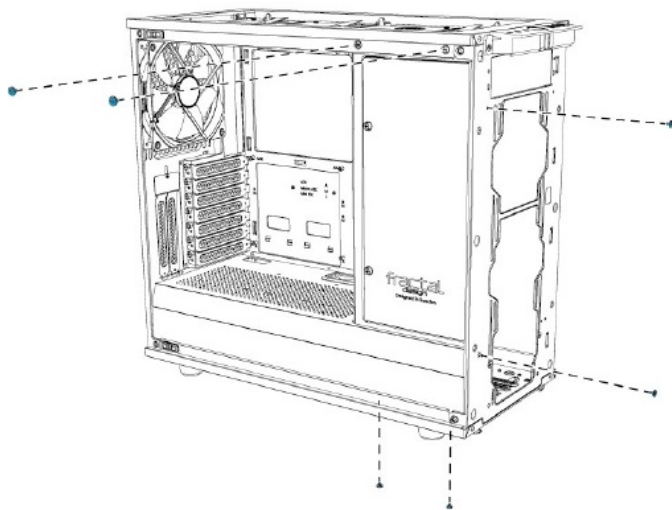
### Converting to pen Internal Layout



### Removing the Top Panel Inset for Easier Access

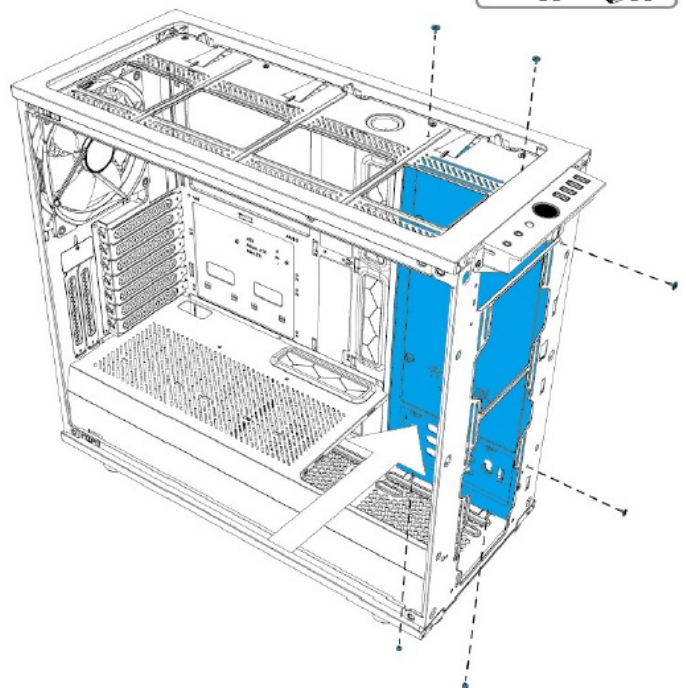


Installing 3.5" HDDs in Open Internal Layout

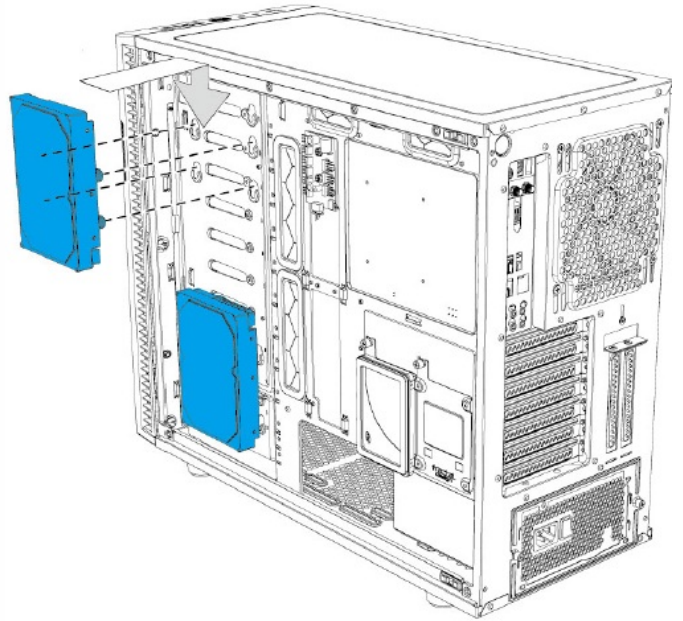
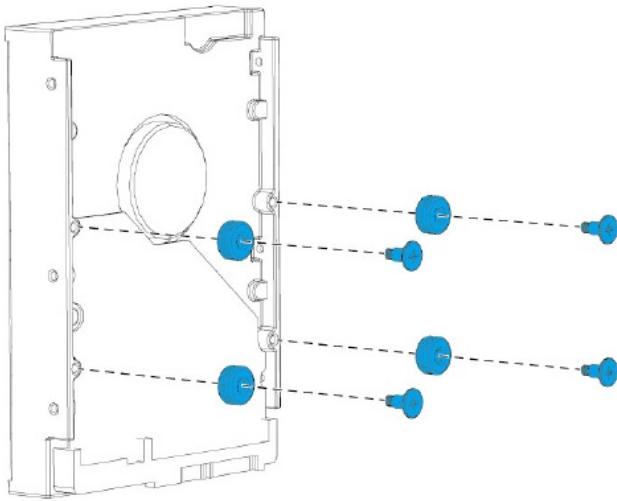


3.

Installing 3.5" HDDs in Open Internal Layout

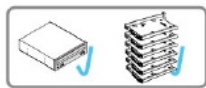


4.

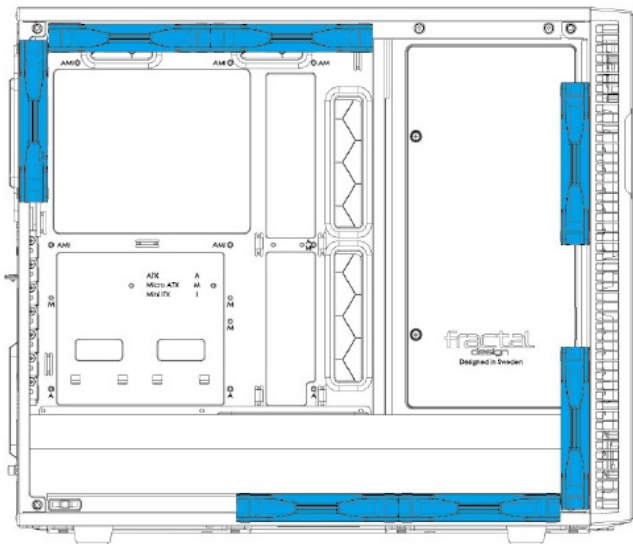


## Additional Info

### Possible Fan Locations



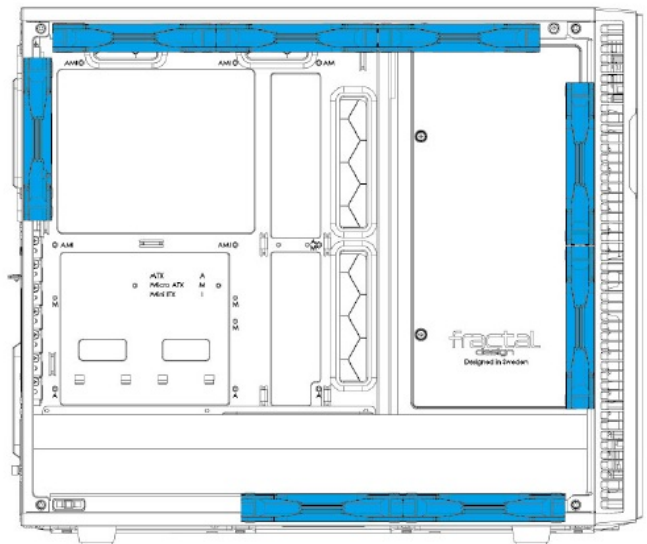
140mm



**Standard Layout**



140mm



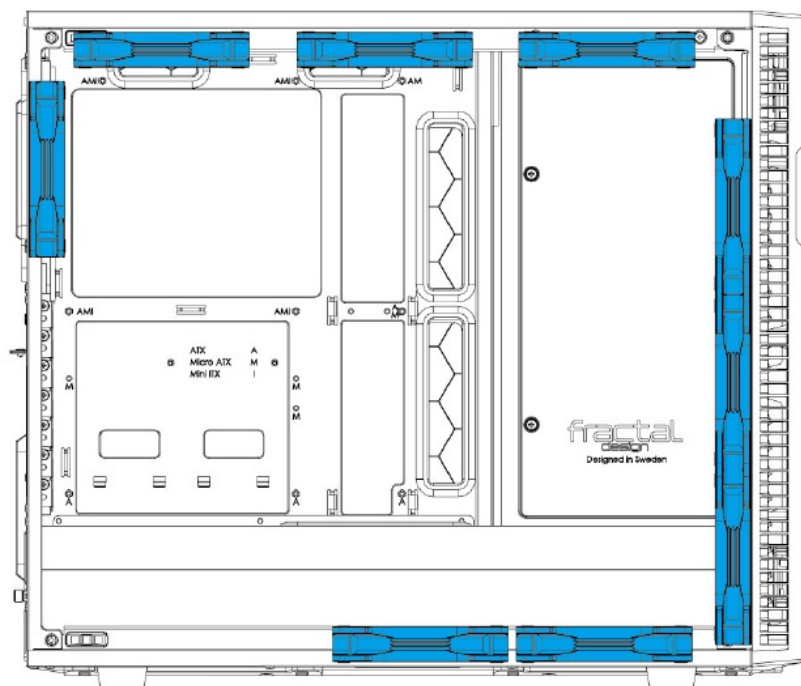
**Open Layout**

### Possible Fan Locations

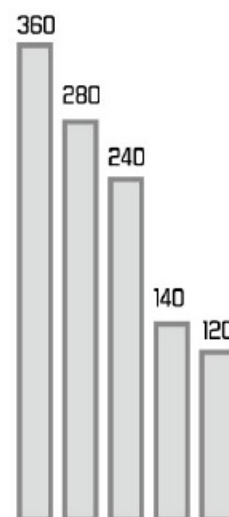
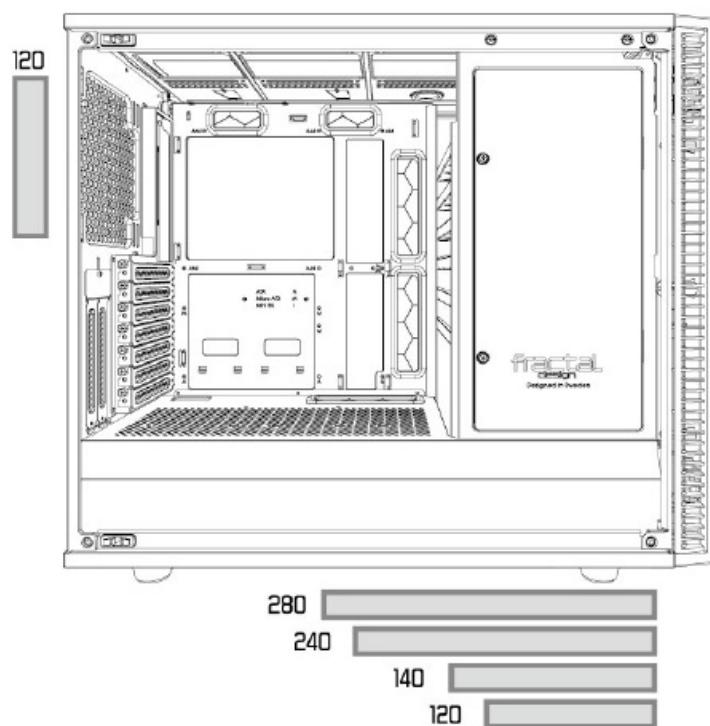
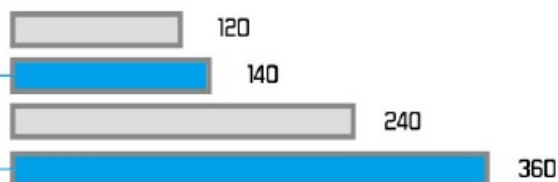
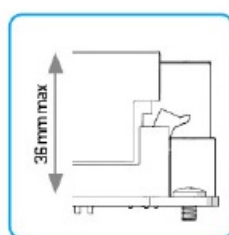




120 mm

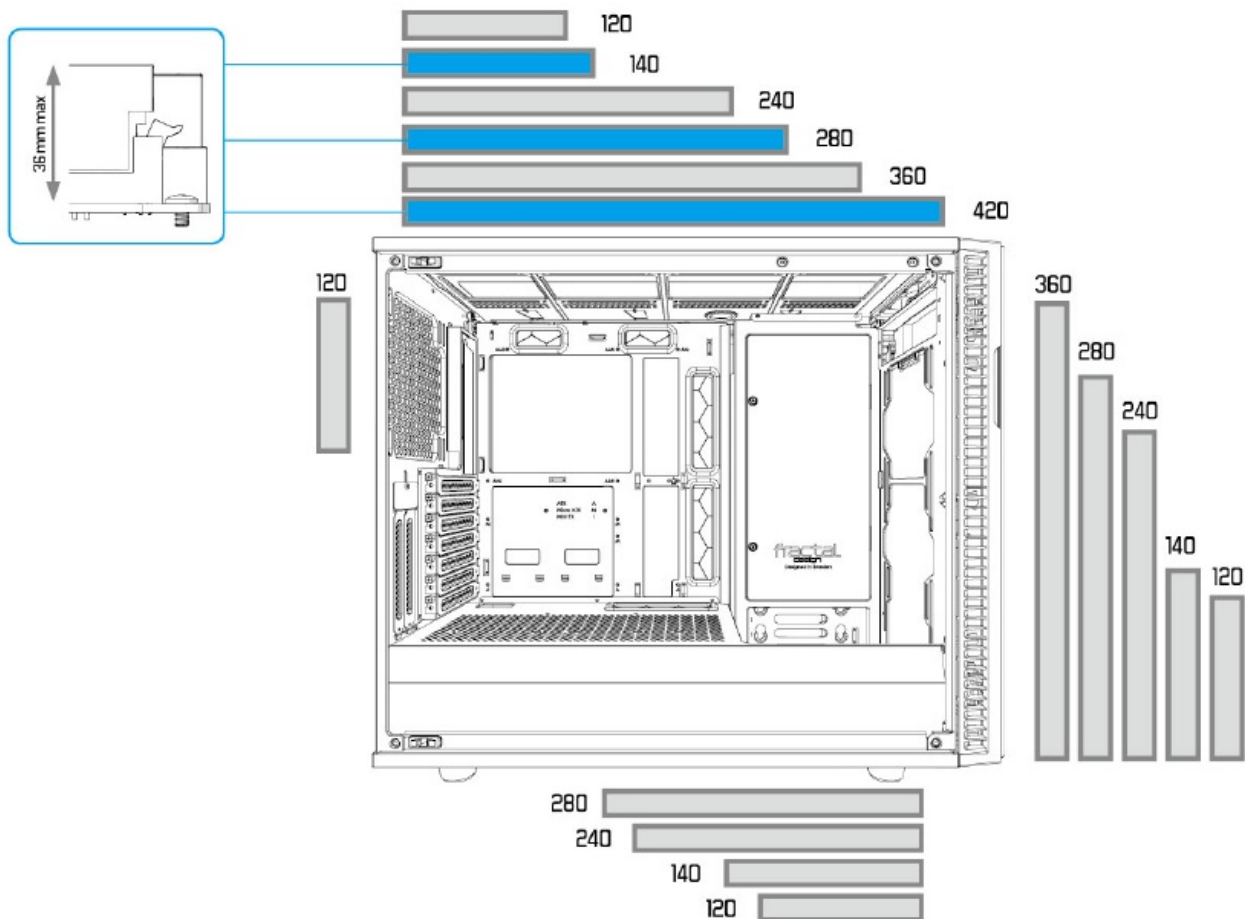


## Water Cooling Radiator Options – Standard Layout

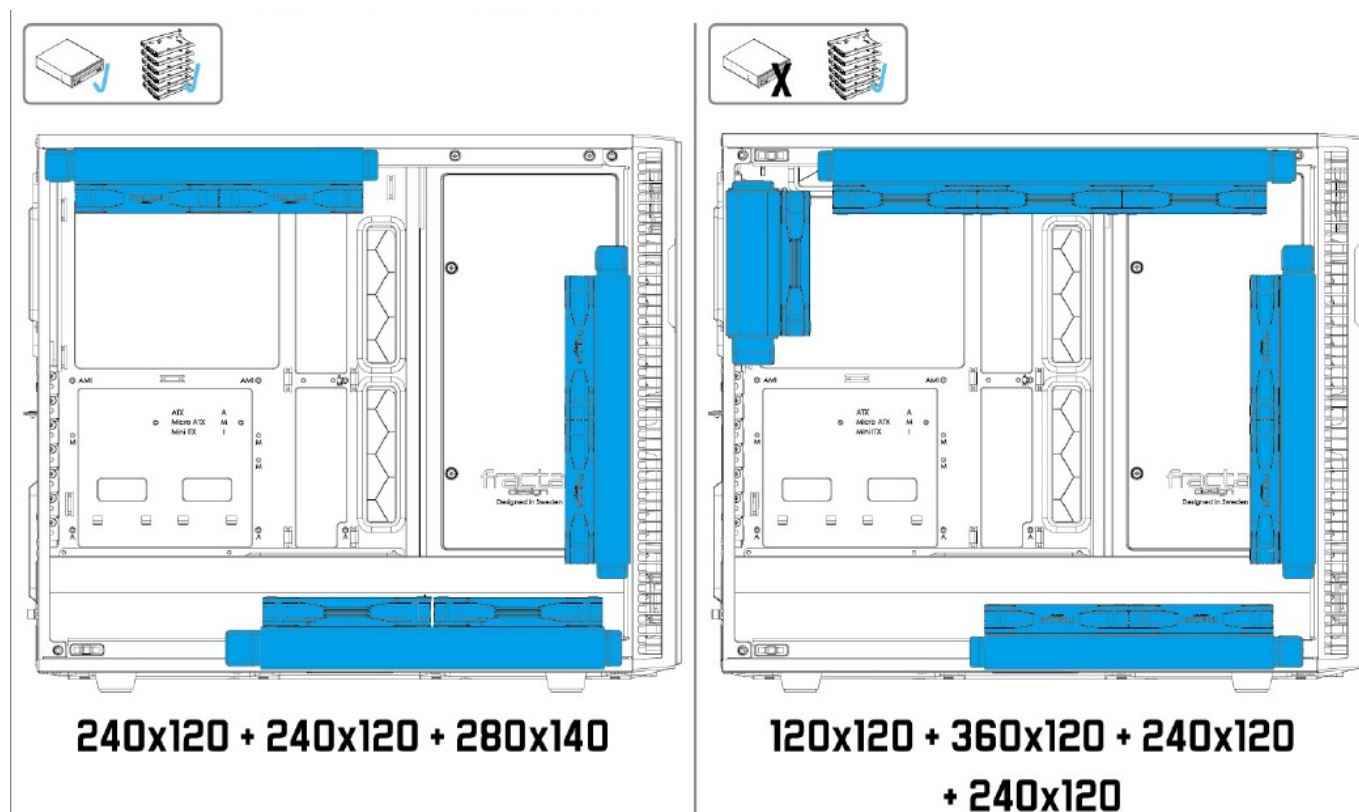


## Water Cooling Radiator Options – open Layout

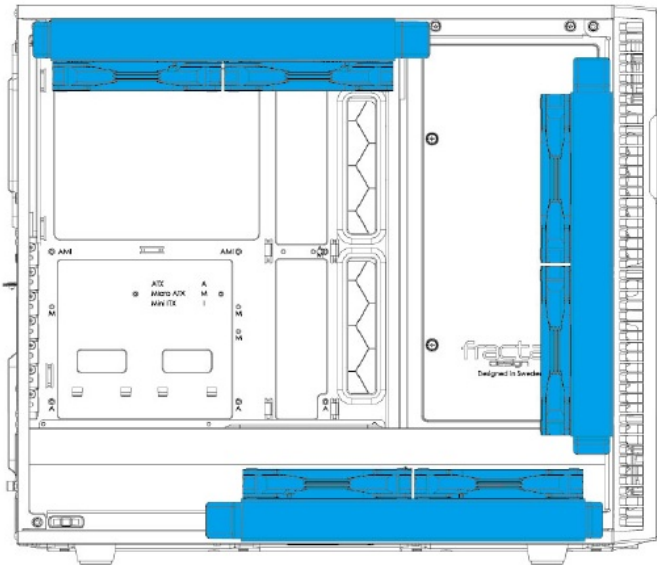




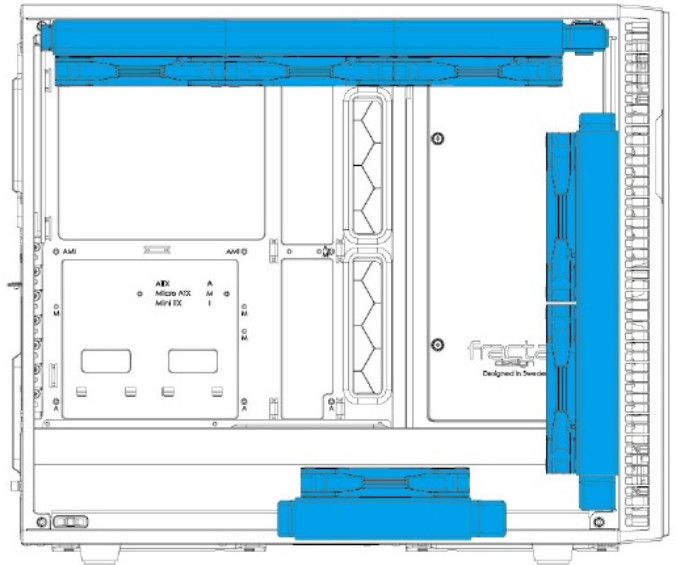
### Possible Water Cooling Setup



### Possible Water Cooling Setup

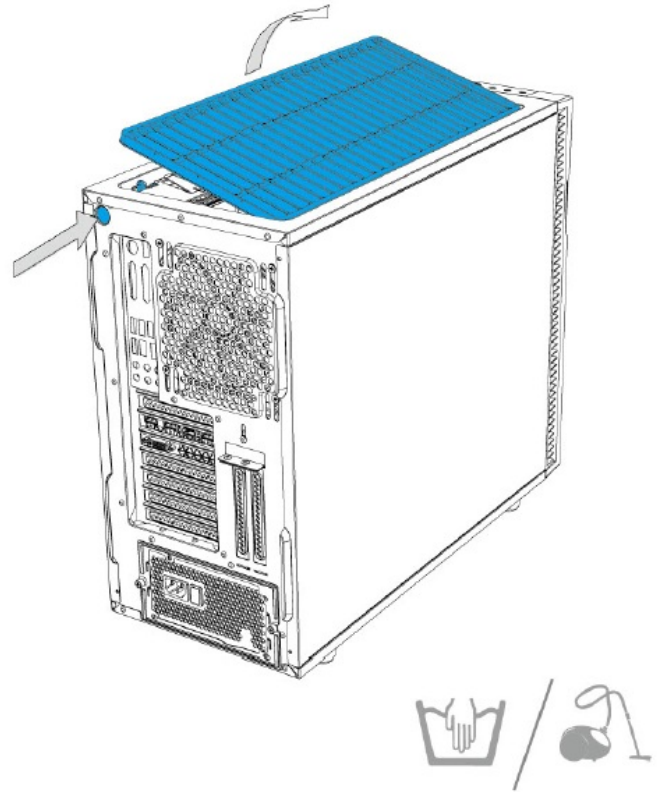
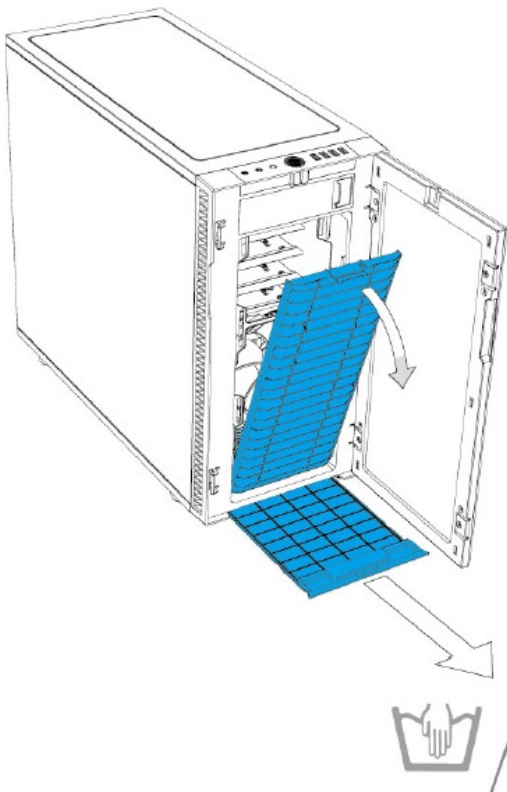


**280x140 + 280x140 + 280x140**

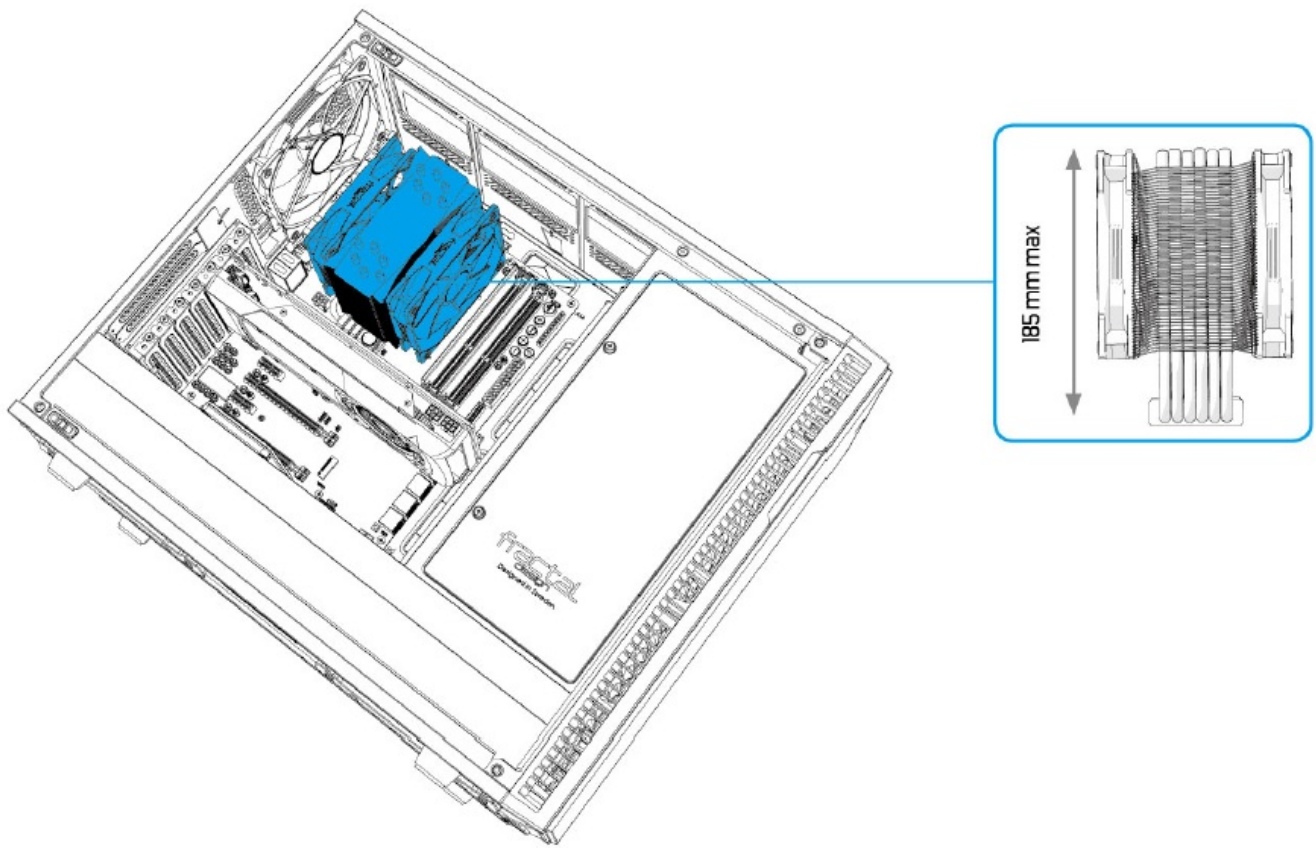


**420x140 + 280x140 + 140x140**

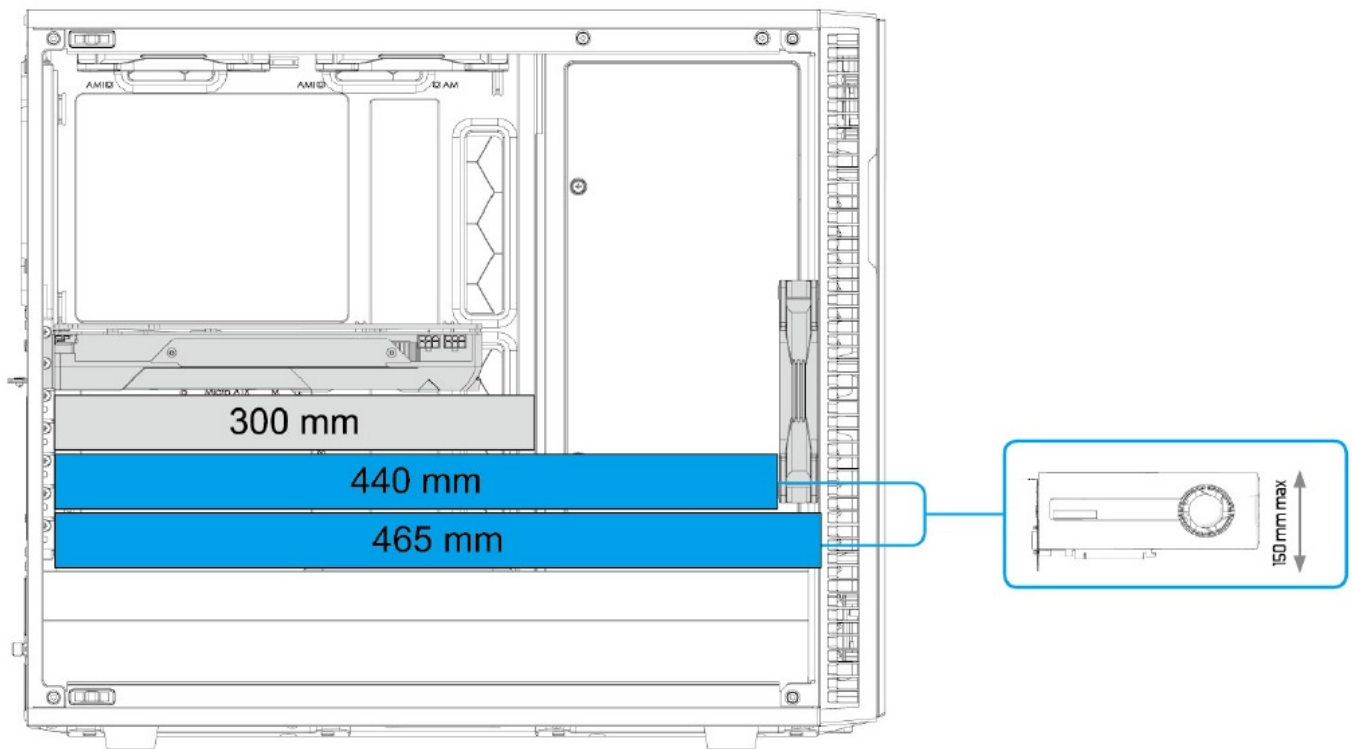
### Dust Maintenance



### CPU Cooler Limitations

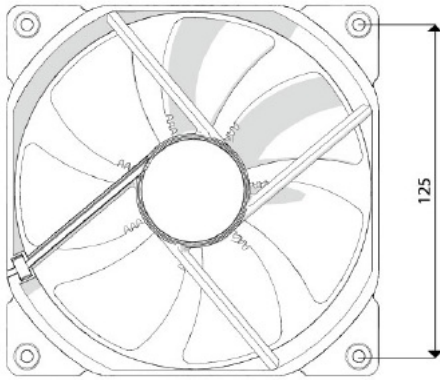


### Graphics Card Limitations



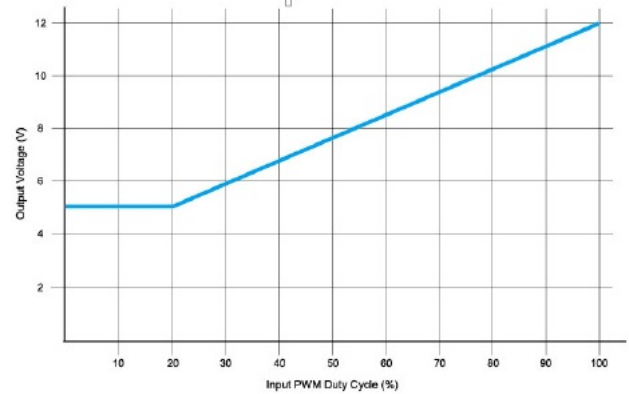
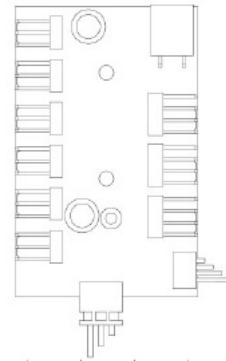
### Specifications

## Dynamic X2 GP-14



|                              |                          |
|------------------------------|--------------------------|
| Rotational speed:            | 1000 RPM                 |
| Acoustical noise:            | 18.9 dB(A)               |
| Maximum air flow:            | 68.4 CFM                 |
| Maximum air pressure:        | 0.71 mm H <sub>2</sub> O |
| Maximum rated input current: | 0.20 A                   |
| Actual input power:          | 1.32 W                   |
| Nominal input voltage:       | 12V                      |
| Minimum startup voltage:     | 4V                       |
| MTBF:                        | 100,000 hours            |

## PWM Fan Controller



## Support and Service

For Assistance, Please Contact



[support.america@fractal-design.com](mailto:support.america@fractal-design.com) [support.dach@fractal-design.com](mailto:support.dach@fractal-design.com)  
[support.china@fractal-design.com](mailto:support.china@fractal-design.com)

## Limited Warranty and Limitations of Liability



This product is guaranteed for twenty four (24) months from the date of delivery to end-user, against defects in materials and/or workmanship. Within this limited warranty period, the product will either be repaired or replaced at Fractal Design's discretion. Warranty claims must be returned to the agent who sold the product, shipping prepaid.

### The warranty does not cover.

- Products which have been used for rental purposes, misused, handled carelessly or applied in such a way that is not in accordance with its stated intended use.
- Products damaged from an Act of Nature including, but not limited to, lightning, fire, flood and earthquake.
- Products whose serial number and/or the warranty sticker have been tampered with or removed.
- Products which have not been installed in accordance to the user manual Fractal Design's maximum liability is limited to the current market value of the product (depreciated value, excluding shipping, handling, and other fees).

Fractal Design shall not be liable for any other damage or loss, including but not limited to loss of profit, revenue, or data, or incidental or consequential damage, even if Fractal Design has been advised of the possibility of such damages.

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## Documents / Resources

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|  | <a href="#">fractal design R6 USB C Design Define</a> [pdf] User Guide<br>R6 USB C Design Define, R6, USB C Design Define, Design Define, Define |
|---|--|

## References

-  [Manual-Hub.com - Free PDF manuals!](#)
- [User Manual](#)

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