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SPACE**

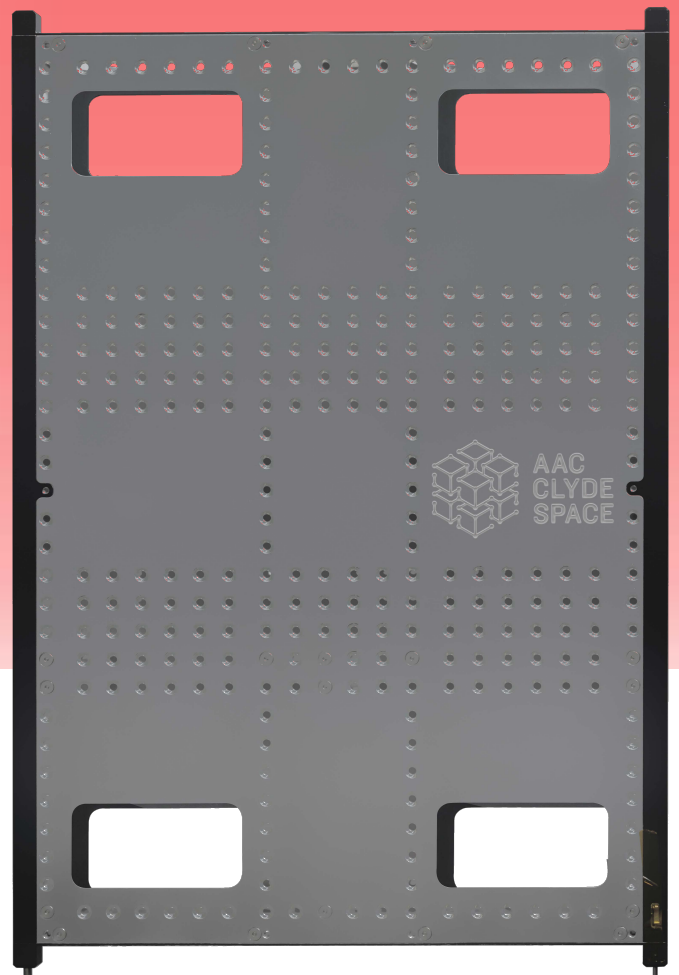
## Structures

# ZAPHOD

Our lightweight structure solutions have been designed specifically with adaptability and ease of integration in mind. The Zaphod Structure Range simplifies modification and can be assembled “around” the avionics stack and payload, increasing accessibility during integration and test. Mounting holes are provided for a variety of stack and payload configurations.

### Main Features

- Compatible with all rail-deployers
- Deployment switches ensure this range is compatible with manned flights.
- ISS compatible
- Lightweight, qualified design
- Maximizes internal volume
- Ease of access during integration
- Customisable internal stack layout
- Bespoke cutouts accommodated
- Add your company or mission name!



### Structure Design

Designed for 1U to 12U form factors, the Zaphod structures have been designed to permit a high-level of customization without the need for expensive redesign. Implementing user-definable locating elements, the structure can accommodate several avionic and payload configurations. Complying with NASA's General Environmental Verification Standard (GEVS) requirements each structure is fitted with anodized rails and deployment switches, all proven on orbit. Available OTS with a choice of shear panel or standard cut-out pattern, the structures can be customized, including bespoke cut-outs and deployable panels.

### Customization

We recognize that every customer's mission is different, that's why our standard platforms ranging from 1U right up to 12U and can be tailored to your mission-specific requirements. Contact us for further details.

## Technical Specifications

### General

Aluminium 7075 & 6082 used for primary structures

All other materials comply with typical outgassing requirements

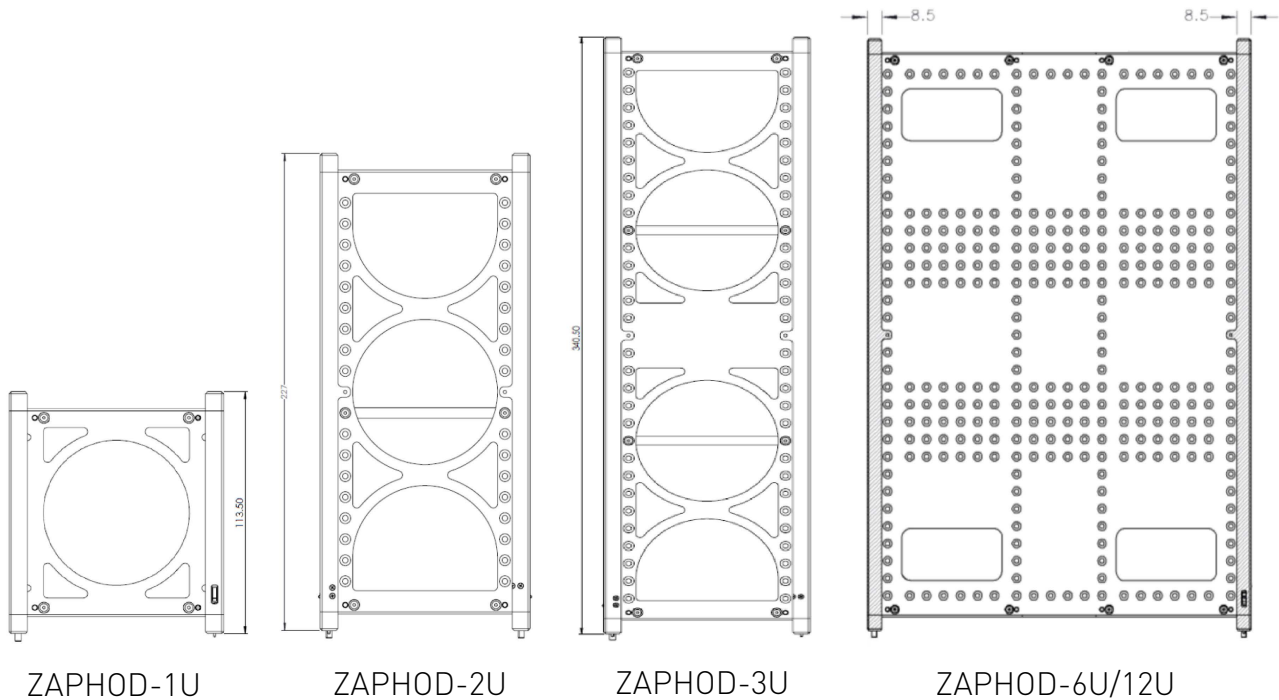
Designed and qualified to NASA GEVS, 14.1gRMS

Temperature range -40°C to +80°C

Four deployment switches, two on the -Z end plate and two on the rails

### Size and Weight

	1U Structure	2U Structure	3U Structure	6U Structure	12U Structure
Length	100 mm	100 mm	100 mm	100 mm	226.3 mm
Width	100 mm	100 mm	100 mm	226.3 mm	226.3 mm
Height	113.5 mm	227 mm	340.5 mm	340.5 mm	340.5 mm
Weight	155 g	235 g	394 g	674 g	1386 g



ZAPHOD-1U

ZAPHOD-2U

ZAPHOD-3U

ZAPHOD-6U/12U

To make an enquiry, request a quotation or learn about AAC Clyde Space's other products and services, please contact [enquiries@aac-clyde.space](mailto:enquiries@aac-clyde.space)

# #spaceisawesome

