



**CORE RIDE SYSTEM**

# **FLYING THEATRE**

# The Ride

CAVU's Flying Theatre is a modular system that can be configured into varying sizes using eight (8) passenger seat units on multiple levels facing an immersive screen.

Once riders are loaded and their lap bars secured, the seat unit rolls forward into the screen. Each module has electric actuators and produces six Degrees of Freedom motion, (6 DOF) including pitch, roll, heave, yaw, surge and sway, in synchronization with the projected media, sound and special effects. Wind, water mist or multiple scents can be introduced from the integrated canopy above.

CAVU's Flying Theatre delivers unparalleled aerial adventures such as soaring over landmarks or high adrenaline aerial flying experiences. When the show ends, all seating modules return to the load/unload position and guests exit the theater as new guests enter, minimizing load/unload times.

## Specifications

### Item

Number of Seats (per module)  
Theatre Size (typical)  
Theatre Screen Diameter - Standard  
Theoretical Hourly Capacity  
Ingress/Egress Time  
Show Time (typical)  
Total Ride Time (typical)

### Data

8  
72 guests  
21.5 m  
750  
105 sec  
240 sec  
5.75 minutes

### Seat Motion

Pitch up to +/-13°  
Roll up to +/-12°  
Yaw up to +/-6°  
Heave up to +/-170mm  
Sway up to +/-240mm  
Surge up to +/-240mm

### Overall Building Dimensions

Length 12m  
Width 22m  
Height 24m

## Major Elements

- Seating / motion platform
- Seats w/lap bar restraint
- Theatre surround sound
- Overhead canopy
- Integrated onboard special effects
- Half-dome screen
- High intensity projectors
- Media servers

## Golden Care Package

- CAVU engineering support personnel remains on site for 90 days after commissioning
- 24 month warranty
- Spare parts for 2 years



3A 1218 Langley St.  
Victoria, BC V8W 1W2, Canada  
[www.cavudw.com](http://www.cavudw.com)