

QUBIC SYSTEM

# QS-S25

**6<sup>DOF</sup>**

SET ARCHITECTURE

**350<sup>kg</sup>**

SET WEIGHT

**238<sup>w</sup>**

AVERAGE POWER CONSUMPTION


**250<sup>kg</sup>**

PAYLOAD

**10<sup>cm</sup>**

ACTUATOR STROKE



## MOTION PLATFORM QS-S25

QS-S25 is designed for customers looking for the most realistic simulation. The unique combination of professional motion technology and modern, adjustable accessories allows users to train and experience real flight or racing simulation.

The motion platform uses its 6 degrees of freedom (surge, sway, heave, roll, pitch, and yaw) to feed precise motion inputs that very accurately represent key sensations such as understeer, traction loss, lateral g-force inputs, braking. Machine gives the best feeling of the track – bumps, curbs, gravel or grass. QS-S25 motion platform - advanced linear system is chosen also by military and universities as a training tool for various projects.

## KEY FEATURES



### Multifunctional

Flexible and universal unit for many various purposes



### Unleashed performance

Impressive dynamics and high performance



### Software support

Control motion systems using one of our SDK



### Easy to transport

Modular design enabling transportation and assembly on site from the main components



### VR technology

Full VR technology support



### Safety

Safe mechanical design resistant to electronic failures

## GENERAL SPECIFICATION **QS-S25**

### SYSTEM PERFORMANCE

	EXCURSIONS	VELOCITY	ACCELERATION
SURGE	-13.2, 10.5 cm -5.2, 4.1 in	1250 mm/s 49.2 in/s	LIMITED TO 1G*
SWAY	-10.6, 10.6 cm -4.2, 4.2 in	1000 mm/s 39.4 in/s	LIMITED TO 1G*
HEAVE	-5.6, 5.5 cm -2.2, 2.1 in	350 mm/s 13.4 in/s	LIMITED TO 0.5G*
ROLL	-5.1°, 5.1°	40°/s	LIMITED TO 500°/s <sup>2</sup> *
PITCH	-4.7°, 4.7°	40°/s	LIMITED TO 500°/s <sup>2</sup> *
YAW	-9°, 9°	100°/s	LIMITED TO 1000°/s <sup>2</sup> *

\*value of acceleration is limited for safety reasons.

### PAYLOAD SPECIFICATION

PAYLOAD	250 kg   551 lb
PRODUCT WEIGHT	350 kg   772 lb

### MAIN DIMENSIONS

TOTAL WIDTH	1825 mm   72 in
TOTAL LENGTH	1761 mm   70 in
MIN HEIGHT	960 mm   38 in

### POWER REQUIREMENTS

	120 V	230 V
AVERAGE POWER CONSUMPTION	238 W	199 W
AVERAGE POWER FOR CONVERTER SPECIFICATION	2161 VA	2115 VA
PEAK CURRENT FOR BREAKER SPECIFICATION	17.5 A	8.9 A

## SUPPORTED **TECHNOLOGIES**

VR HeadWay, VBS3/4 Plugin, Self Diagnostic, Self calibration

## OUR **SOFTWARE**

Platform Manager - QubicManager (license)

## QS-S25 MOTION SET OPTIONS

- **QS-S25 motion system (6DOF):** 6 actuators, Dedicated upper and bottom frame, Power cabinet, Motion controller, Set of Wheels For Transport, License: Qubic Manager/ForceSeatPM.
- **QS-S25 cockpit set:** Upper Frame Floor With Attaching Points, Set of Rods - Both Sides, Step, Set of eye nuts for seat belts, Mounting Bracket: Steering Wheel, Mounting Bracket: Pedals, Mounting Bracket: Racing Seat, Mounting Bracket: Desk with Attaching Points, Mounting Bracket: VR Headset Headphones, Mounting Bracket: Keyboard.
- **Mounting Brackets:** 3x monitor (32", VESA 100x100)
- **Mounting Brackets Speakers (dedicated Creative Stage 2.1)**
- **Power Connector Hub**
- **Racing Seat Adjustment**
- **Racing Seat**
- **4 Point Safety Seat Belt**

## GENERAL DIMENSIONS

