

QUBIC SYSTEM

# QS-S25

## 6<sup>DOF</sup>

SET ARCHITECTURE

## 350<sup>kg</sup>

SET WEIGHT

## 1000<sup>Hz</sup>

MAXIMUM CONTROL FREQUENCY



## 250<sup>kg</sup>

PAYLOAD

## 10<sup>cm</sup>

ACTUATOR STROKE

## 0-100<sup>Hz</sup>

VIBRATIONS FREQUENCY RANGE

## 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 (ON 230V)

	EXCURSIONS	VELOCITY	ACCELERATION
SURGE	-139.3, 115.4 mm	1250 mm/s	LIMITED TO 1G*
SWAY	-114.8, 114.8 mm	1000 mm/s	LIMITED TO 1G*
HEAVE	-54.3, 53.8 mm	350 mm/s	LIMITED TO 0.5G*
ROLL	-5.0°, 5.0°	40°/s	LIMITED TO 500°/s <sup>2</sup> *
PITCH	-4.6°, 4.6°	40°/s	LIMITED TO 500°/s <sup>2</sup> *
YAW	-9.8°, 9.8°	100°/s	LIMITED TO 1000°/s <sup>2</sup> *

\*value of acceleration is limited for safety reasons.

### PAYLOAD SPECIFICATION

PAYLOAD	250 kg   551 lb
PAYLOAD (PERFORMANCE MODE)	150 kg   330 lb
PRODUCT WEIGHT	350 kg   772 lb

### MAIN DIMENSIONS

TOTAL WIDTH	1701 mm   66.97 in
TOTAL LENGTH	1603 mm   63.11 in
MIN HEIGHT	769 mm   30.27 in

### POWER REQUIREMENTS

	120 V	230 V
AVERAGE POWER [kVA]	0.9 kVA	1.3 kVA
PEAK POWER [kVA]	1.5 kVA	2.4 kVA
PEAK CURRENT [A]	13 A	11 A
AVERAGE POWER - STRESS TEST [kW]	0.45 kW	0.46 kW
AVERAGE POWER - TYPICAL GAME [kW]	0.24 kW	0.2 kW

## SUPPORTED **TECHNOLOGIES**

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

## OUR **SOFTWARE**

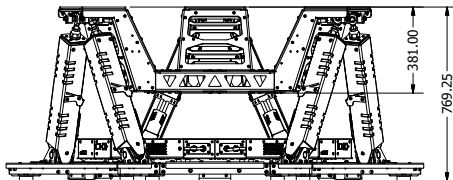
Platform Manager - QubicManager (license)

## QS-S25 MOTION SET OPTIONS

- **QS-S25 motion system (6DOF):** 3x QS-220 motion set, dedicated upper and bottom frame, motion controller, Motion Lock, set of cables, Power Connector Hub, 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 (two types), Mounting Bracket: Pedals, Mounting Bracket: Racing Seat, Mounting Bracket: Desk With Attaching Points, Mounting Bracket: VR Headset Headphones, Mounting Bracket: Keyboard, Mounting Bracket: Speakers, Racing Seat Adjustment
- **Cockpit Mounting Bracket:** 3x monitor (32", VESA 100x100)

## GENERAL DIMENSIONS

**BASIC QS-S25**



**QS-S25 WITH ACCESSORIES**

