

QUBIC SYSTEM QS-S25

6 DOF

SET ARCHITECTURE

350 kg

SET WEIGHT

1000 Hz

MAXIMUM CONTROL FREQUENCY



250 kg

PAYLOAD

10 cm

ACTUATOR STROKE

0-100 Hz

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 ours 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	-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 ² *
PITCH	-4.6°, 4.6°	40°/s	LIMITED TO 500°/s ² *
YAW	-9.8°, 9.8°	100°/s	LIMITED TO 1000°/s ² *

*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

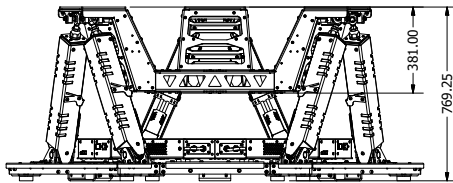
Platform Manager - QubicManager (license)

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)
- **QS-S25 packing and handling (pallet + wooden box)**

GENERAL DIMENSIONS

BASIC QS-S25



QS-S25 WITH ACCESSORIES

