

MOTION PLATFORM

# QS-S35



**6 DOF**

The QS-S35 moves further than any other compact 6DOF platform. Its 300 mm actuator stroke delivers three times the heave range of competing 6DOF platforms - enough to reproduce full cornering forces and heavy turbulence without clipping - what you feel matches what you see, even during extreme maneuvers. Built for dedicated sim rooms and commercial training centers.

## WHY QS-S35



### Unleashed Performance

300 mm stroke for the most realistic motion experience



### Commercial Grade

Built for training centers and professional sim rooms



### Full Motion Envelope

Three times the heave range of any compact 6DOF



### Industrial Endurance

Rated for continuous commercial operation - handles 8-hour training days without rest

**6DOF**

ARCHITECTURE

**250kg**

PAYLOAD

**300mm**

ACTUATOR STROKE

**475kg**

SET WEIGHT

**0-60Hz**

VIBRATIONS

## WHAT YOU'LL EXPERIENCE

### RACING SIMULATION

- › Full cornering force reproduction
- › Extended traction loss sensation
- › Continuous motion without clipping
- › Multi-axis combined dynamics

### FLIGHT & TRAINING

- › Full turbulence envelope
- › Realistic spatial disorientation cues
- › Extended G-force range
- › Professional training certification support

## COMPATIBLE WITH

- QS-BT1 Belt Tensioner
- Most Sim Racing Accessories
- Flight Simulation Peripherals
- Commercial Training Systems

## SYSTEM PERFORMANCE

	Single Excursion	Max Excursion	Velocity	Acceleration
SURGE	-306.4, 283.6 mm	±365 mm	700 mm/s	7500 mm/s <sup>2</sup>
SWAY	±270.5 mm	±317 mm	700 mm/s	7500 mm/s <sup>2</sup>
HEAVE	-169.8, 173.3 mm	-169.8, 173.3 mm	400 mm/s	5000 mm/s <sup>2</sup>
ROLL	±15.8°	±16.6°	35°/s	450°/s <sup>2</sup>
PITCH	±14.3°	±18.6°	35°/s	350°/s <sup>2</sup>
YAW	±22.9°	±27.0°	60°/s	700°/s <sup>2</sup>

## SPECIFICATIONS

Payload	250 kg
Product Weight	475 kg
Diameter	2056 mm
Min Height	1705.5 mm
Control Frequency	1000 Hz

Vibration Range	0-60 Hz
Supply Voltage	220-240V, 50-60Hz
Max Power	3.2 kVA
Noise Level	74.6-77.6 dB (dedicated room recommended)

## WHAT'S IN THE BOX?

### QS-S35 Motion Platform

- ✓ 6x industrial-grade linear actuators
- ✓ Upper and bottom frame
- ✓ Monitor mounting brackets
- ✓ Transport wheels

### Accessories

- ✓ Motion controller
- ✓ Motion lock
- ✓ Main power switch
- ✓ Set of cables

## QUBIC SYSTEM

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PRODUCT



MANUAL

## CONNECT WITH US

Discord: qubicsystem  
 YouTube: @qubicsystem  
 Instagram: @qubicsystem

For detailed specifications and installation guide, see the product manual at [qubicsystem.com/um](https://qubicsystem.com/um)