

# QUBIC SERIES QS-CH1

**3** DOF

SET ARCHITECTURE

**10** cm

ACTUATOR STROKE

**290** kg

PAYLOAD







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## MOTION CHASSIS QS-CH1

QS-CH1 is a brand new, modular, and flexibly configurable training product dedicated for advanced land vehicles and city car driving simulation. QS-CH1 is a part of the Qubic System product's series. By using a number of expansion accessories, including manipulators and dedicated peripherals, it is possible to quickly build a simulator for future drivers or vehicle operators. The motion system consists of 3 DOF platform with electric actuators that provide cues for vehicle acceleration, road curvature and obstacles such as sidewalks and potholes.

## KEY FEATURES

 <p><b>Easy for transport</b> Euro 2 pallet dimension 1200 mm x 800 mm</p>	 <p><b>Plug&amp;Play</b> Ready to work in few minutes</p>	 <p><b>Software support</b> Delivered with software management package and plugins. Simulation software support</p>
 <p><b>Compact design</b> Small footprint and lightweight body</p>	 <p><b>VR technology</b> Full and native hardware and software integration with the VR headset</p>	 <p><b>Real-Time Vibrations</b> Generate precise real-time vibrations up to 100 Hz</p>

# GENERAL SPECIFICATION **QS-CH1**

## SYSTEM PERFORMANCE

	Q-MODE 230V	PERFORMANCE MODE 115 / 230V	HEAVY DUTY MODE 115 / 230V
MAXIMUM ACCELERATION	0.8G*	0.7G*	0.4G*
HEAVE	100 mm		
PITCH	-5.1°, 5.1°		
ROLL	-7.9°, 7.9°		

\* value of acceleration is limited for safety reasons

## PAYLOAD SPECIFICATION

	Q-MODE 230V	PERFORMANCE MODE 115 / 230V	HEAVY DUTY MODE 115 / 230V
PAYLOAD	140 kg   308 lb	190 kg   418 lb	290 kg   639 lb

## MAIN DIMENSIONS

TOTAL WIDTH	856 mm   33.7 in
TOTAL HEIGHT	717 mm   28.2 in
TOTAL LENGTH	1483 mm   58.3 in

# POWER REQUIREMENTS 3DOF CONFIGURATION

	Q-MODE 230V	PERFORMANCE MODE 115 / 230V	HEAVY DUTY MODE 115 / 230V
AVERAGE POWER CONSUMPTION	260W	270W / 280W	462W / 436W
PEAK CURRENT FOR BREAKER SPECIFICATION	5.17A	7.35A / 4.55A	9.89A / 5.88A

# SUPPORTED TECHNOLOGIES

VR HeadWay, plugin to VBS3/4, auto diagnostic, auto calibration, platform manager - ForceSeatPM (free of charge)

# MAIN DIMENSIONS

