

PROFESSIONAL SERIES

# PS-6TM-150

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

ARCHITECTURE

**150kg**

PAYLOAD

**305kg**

WEIGHT

**34cm**









MIN HEIGHT



## MOTION PLATFORM PS-6TM-150

The PS-6TM-150 motion platform is the smallest 6DoF in professional series. It is the most compact, but yet powerful and reliable unit greatly applicable into single implementations for simulation and entertainment. Smooth movement with impressive angles gives a lot of possibilities in testing and verification for industry purposes. Due to VRHeadway, all virtual reality applications work easy and perfectly both home and professional use.

## KEY FEATURES

 <p><b>Movement repeatability</b> High ability to generate vibrations and incredible movement repeatability</p>	 <p><b>Compact design</b> Small footprint and lightweight body</p>	 <p><b>Safety</b> Safe mechanical design resistant to electronic failures. Safety Integrity Level up to 3</p>	 <p><b>Software support</b> Control all our motion platforms using one of our SDK</p>
 <p><b>Unleashed performance</b> Impressive dynamics and performance</p>	 <p><b>Super silent</b> Extremely quiet and smooth operation</p>	 <p><b>VR technology</b> All our motion platforms work in VR environment with VR HeadWay technology</p>	 <p><b>Warranty</b> Global technical support and gear lifetime up to 10 years of operation</p>

## GENERAL SPECIFICATION

	EXCURSIONS		VELOCITY	ACCELERATION
	SINGLE DOF	NON-SINGLE DOF		
SURGE	- 103 mm, 0.109 mm	± 120 mm	0.3 m/s 11.82 in/s	2.5 m/s <sup>2</sup>
SWAY	± 96 mm	± 97 mm	0.37 m/s 14.57 in/s	2.3 m/s <sup>2</sup>
HEAVE	- 93 mm, 104 mm	198 mm	0.27 m/s 10.63 in/s	1.6 m/s <sup>2</sup>
ROLL	±24.5°	±27.0°	69°/s	420°/s <sup>2</sup>
PITCH	- 23.0°, + 23.8°	- 28.0°, + 31.0°	69°/s	420°/s <sup>2</sup>
YAW	±21.8°	±25.0°	83°/s	490°/s <sup>2</sup>
PAYLOAD	150 kg			
CENTER OF GRAVITY HEIGHT ABOVE MOVING PLATFORM CENTROID	500 mm			
PRODUCT WEIGHT	305 kg			
TOTAL WIDTH	1147 mm			
TOTAL HEIGHT	491 mm			
TOTAL LENGTH	1273 mm			
POWER SUPPLY REQUIREMENTS	200-250 VAC Single (for 230-250V) or phase-to-phase voltage (for 100-130V)			
AVERAGE POWER [kVA]	2.7 kVA			
PEAK POWER [kVA]	5.3 kVA			
PEAK CURRENT [A]	23 A			
AVERAGE POWER - STRESS TEST - [kW]	1.5 kW			
AVERAGE POWER - TYPICAL GAME - [kW]	0.8 kW			
ADDITIONAL HARDWARE	Power Cabinet PS-SB230 (with pilot), Electromagnetic Safety Brakes			

## ADD-ONS & ACCESSORIES

Power cabinet PS-SB230 + PS-SB230FI123 + PS-SB230FI456, Wheels and feet, Extended Top Frame, Spare

## OUR SOFTWARE

Platform Manager - ForceSeatPM (free-of-charge), Motion SDK - ForceSeatDI, Motions SDK - ForceSeatMI, Motion Theater

## GENERAL DIMENSIONS

