

PROFESSIONAL SERIES

# PS-6TL-350

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

ARCHITECTURE

**350kg**

GROSS MOVING LOAD

**390kg**

WEIGHT

**300mm**









ACTUATOR STROKE



## MOTION PLATFORM PS-6TL-350

The PS-6TL-350 device is a type of Stewart platform with gross moving load up to 350 kg. It is a type of six-degree-of-freedom parallel manipulator that allows execution of three translational movements and three rotational movements about the vertical, longitudinal and lateral axis.

## KEY FEATURES

 <p><b>Resistant to overload</b> Good resistance to momentary overload resulting from dynamic change in mass distribution</p>	 <p><b>Super Silent</b> Extremely quiet and smooth operation</p>	 <p><b>Movement repeatability</b> High ability to generate vibrations and incredible movement repeatability</p>	 <p><b>Software support</b> Control all our motion platforms using one of our SDK</p>
 <p><b>Easy to transport</b> Perfect size for worldwide transportation</p>	 <p><b>Unleashed performance</b> Highest performance in compact and mobile chassis</p>	 <p><b>VR technology</b> All our motion platforms work in VR environment</p>	 <p><b>Safety</b> Safe mechanical design resistant to permanent damage</p>

## GENERAL SPECIFICATION

	EXCURSIONS SINGLE DOF	VELOCITY	ACCELERATION
SURGE	- 0.3 m, 0.27 m - 11.81 in, 10.62 in	0.68 m/s 33.86 in/s	6.4 m/s <sup>2</sup>
SWAY	- 0.26 m, 0.26 m - 10.23 in, 10.23 in	0.7 m/s 27.56 in/s	5 m/s <sup>2</sup>
HEAVE	- 0.17 m, 0.19 m - 6.14 in, 7.36 in	0.37 m/s 14.57 in/s	5 m/s <sup>2</sup>
ROLL	-20.6°, 20.6°	45°/s	600°/s <sup>2</sup>
PITCH	-19.9°, 18.1°	50°/s	650°/s <sup>2</sup>
YAW	-27.8°, 27.8°	60°/s	700°/s <sup>2</sup>
TOTAL LENGTH	1660 mm   65.35 in		
TOTAL WIDTH	1727 mm   67.96 in		
MIN HEIGHT	790 mm   31.10 in		
POWER SUPPLY REQUIREMENTS	220-250 VAC Single Phase		
AVERAGE POWER (kVA)	2.9 kVA		
PEAK POWER (kVA)	6.2 kVA		
PEAK CURRENT (A)	28 A		
AVERAGE POWER - STRESS TEST (kW)	1.5 kW		
AVERAGE POWER - TYPICAL GAME (kW)	0.3 kW		
CONNECTION	USB   Ethernet		

## PAYLOAD SPECIFICATION

GROSS MOVING LOAD	350 kg   772 lb		
PRODUCT WEIGHT	390 kg   860 lb		
PAYLOAD	300 kg   661 lb		
MOMENTS OF INERTIA	lxx	125 kg*m <sup>2</sup>	
	lyy	125 kg*m <sup>2</sup>	
	lzz	125 kg*m <sup>2</sup>	

\* COG: CENTER OF GRAVITY - MPC: MOVING PLATFORM CENTROID

## ADD-ONS & ACCESSORIES

Electromagnetic safety brakes, Power Cabinet PS-SB230

## OUR SOFTWARE

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

# GENERAL DIMENSIONS

