

PROFESSIONAL SERIES PS-6TL-800

6^{DOF}

ARCHITECTURE

800kg

GROSS MOVING LOAD

350mm

ACTUATOR STROKE



750kg

WEIGHT

4.6kW









MAX POWER CONSUMPTION



MOTION PLATFORM PS-6TL-800

The PS-6TL-800 device is a type of Stewart platform with a load capacity of up to 800 kg. It is a type of six-degree-of-freedom parallel manipulator that allows execution three translational movements and three rotational movements about the vertical, longitudinal and lateral axis.

KEY FEATURES

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

GENERAL SPECIFICATION

	EXCURSIONS SINGLE DOF	VELOCITY	ACCELERATION
SURGE	- 0.37 m, 0.35 m - 14.56 in, 13.77 in	0.65 m/s 25.60 in/s	7 m/s ² 0.7 g
SWAY	- 0.33 m, 0.33 m - 12.99 in, 12.99 in	0.77 m/s 30.31 in/s	7 m/s ² 0.7 g
HEAVE	- 0.18 m, 0.22 m - 7.08 in, 8.66 in	0.4 m/s 15.75 in/s	5 m/s ² 0.5 g
ROLL	-24.5°, 24.5°	40°/s	550°/s ²
PITCH	-23.6°, 21.8°	45°/s	600°/s ²
YAW	-37.0°, 37.0°	65°/s	800°/s ²
TOTAL LENGTH	1800 mm 70.87 in		
TOTAL WIDTH	1959 mm 77.13 in		
MIN HEIGHT	1065 mm 41.93 in		
POWER SUPPLY REQUIREMENTS	400 VAC Three Phases		
AVERAGE POWER	8 kVA		
PEAK POWER	21.6 kVA		
PEAK CURRENT	19 A		
AVERAGE POWER - STRESS TEST	4.6 kW		
AVERAGE POWER - TYPICAL GAME	1.1 kW		

PAYLOAD SPECIFICATION

PAYLOAD	720 kg 1587 lb		
PRODUCT WEIGHT	750 kg 1653 lb		
GROSS MOVING LOAD	800 kg 1764 lb		
COG HEIGHT ABOVE MPC*	500 mm 19.7 in		
MOMENTS OF INERTIA	lxx	450 kg*m ²	
	lyy	450 kg*m ²	
	lzz	450 kg*m ²	

* COG: CENTER OF GRAVITY – MPC: MOVING PLATFORM CENTROID

ADD-ONS & ACCESSORIES

Electromagnetic safety brakes, Power Cabinet PS-SB400

OUR SOFTWARE

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

GENERAL DIMENSIONS

