

# eMove

## eM6-640-500



E2M Technologies presents its new motion platform for low payload simulation. This platform is suitable for supporting high-end leisure as well as professional applications. Based on many years of experience the designers of E2M have used their combined knowledge to create this latest generation motion platform. The eM6-640 sets new standards for price performance ratio and includes the latest software innovations among which a unique workspace optimization feature and a webserver based user interface.

Possible applications include: racing simulation, train simulation or vehicle simulation.



### Features

- Latest software innovations
- Energy absorbing end-buffers
- Absolute maximum stroke possible for a system that still fits in a standard shipping container

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## eM6-640-500 Specifications

### System performance eMove eM6-640-500

	Excursions				Velocity	Acceleration
	single dof		non-single dof			
Surge	-0.48	0.60	-0.64	0.63	m	0.8 m/s 15 m/s <sup>2</sup>
Sway	-0.50	0.50	-0.66	0.66	m	0.8 m/s 15 m/s <sup>2</sup>
Heave	-0.41	0.41	-0.41	0.41	m	0.6 m/s 15 m/s <sup>2</sup>
Roll	-23.8	23.8	-29.2	29.2	deg	35 deg/s 600 deg/s <sup>2</sup>
Pitch	-23.7	26.0	-28.2	32.9	deg	35 deg/s 700 deg/s <sup>2</sup>
Yaw	-25.4	25.4	-28.7	28.7	deg	40 deg/s 900 deg/s <sup>2</sup>

### Payload specification

Gross moving load		500	kg
CoG height above MPC*		1000	mm
Moments of Inertia	lxx	500	kg m <sup>2</sup>
	lyy	500	kg m <sup>2</sup>
	lzz	500	kg m <sup>2</sup>
Performance Reference Point	X	100	mm
(with respect to MPC)	Y	0	mm
	Z	0	mm

\* CoG: Center of Gravity - MPC: Moving Platform Centroid

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