

eMove

eM6-640-3000



E2M introduced a higher payload version of the successful eM640 to the product line. Custom designed pneumatic actuators provide support for higher payloads. Up to 3000 kg can be accommodated on this system.

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

eMove

eM6-640-3000 Specifications

System performance eMove eM6-640-3000

	Excursions					Velocity	Acceleration
	single dof		non-single dof				
Surge	-0.48	0.60	-0.64	0.63	m	0.8 m/s	6.3 m/s ²
Sway	-0.50	0.50	-0.66	0.66	m	0.8 m/s	6.3 m/s ²
Heave	-0.41	0.41	-0.41	0.41	m	0.6 m/s	9.0 m/s ²
Roll	-23.8	23.8	-29.2	29.2	deg	35 deg/s	200 deg/s ²
Pitch	-23.7	26.0	-28.2	32.9	deg	35 deg/s	200 deg/s ²
Yaw	-25.4	25.4	-28.7	28.7	deg	40 deg/s	400 deg/s ²

Payload specification

Gross moving load		3000	kg
CoG height above MPC*		1000	mm
Moments of Inertia	lxx	5000	kg m ²
	lyy	5000	kg m ²
	lzz	5000	kg m ²
Performance Reference Point	X	100	mm
(with respect to MPC)	Y	0	mm
	Z	0	mm

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

E2M Technologies B.V.

Fokkerweg 300 - Building 67, second floor - 1438 AN Oude Meer - The Netherlands
 Tel. +31 (0)20 7070901 - Fax +31 (0)20 7070907
www.e2msimulation.eu - info@e2mtechnologies.eu