

eM3-640-3400-A4

The eMove eM3-640-3400-A4 is a three degrees of freedom electric motion system with an actuator stroke of 640mm, designed for entertainment purposes.



Smart redundant multi-dof electric motion solution.

- Can be TUV certified for entertainment use
- Overdetermined: 3 DOF, 4 actuators.
- Advantages in: Safety, Maintainability, Better performance, Cost savings
- Also available as 4 DOF system with additional surge

System performance

	Excursions			Velocity		Acceleration	
Heave	-320	320	mm	0.5	m/s	5	m/s ²
Roll	-15	15	deg	25	deg/s	120	deg/s ²
Pitch	-15	15	deg	25	deg/s	100	deg/s ²

Payload specification

Gross Moving Load	3400	kg (including upper frame)
Net moving load	2500	kg
CoG height above MPC(*)	1500	mm
Moments of Inertia	Ixx 7000	kg m ²
	Iyy 10000	kg m ²

CoG: Center of Gravity – MPC: Moving Platform Centroid

Main dimensions

Total width lower frame	2.650	m
Total length lower frame	3.340	m
Total length system	5.251	m
Settled height (floor to top of platform)	1.561	m
System weight	3.350	kg

Power requirements

Mains power	3-phase 400-480 VAC +/- 10%, 50/60 Hz
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