E2M Technologies B.V.
Pedro de Medinalaan 17
1086 XP Amsterdam
The Netherlands

T. +31 (0)20 7070901
E. info@e2mtechnologies.eu
W. www.e2mtechnologies.eu

eM6-720-4000

The eMove eM6-720-4000 is a six degrees of freedom, fully electric motion system with an actuator stroke of 720mm, designed for use in simulation systems.

Typical applications are flight training devices and vehicle simulators for (racing) cars, trucks, buses, military vehicles, railway vehicles, etc.

System performance

	Excursions			Velocity		Acceleration	
Surge	-0.57	0.66	m	0.8	m/s	6.3	m/s²
Sway	-0.55	0.55	m	0.8	m/s	6.3	m/s²
Heave	-0.46	0.44	m	0.6	m/s	9.0	m/s²
Roll	-25	25	deg	35	deg/s	200	deg/s²
Pitch	-27	30	deg	35	deg/s	200	deg/s²
Yaw	-25	25	deg	40	deg/s	400	deg/s²

Payload specification

Gross Moving Load		4000	kg (payload including upper frame of 350kg)
CoG height above MPC(*)		1000	mm
Moments of Inertia	Ixx	15000	kg m²
	Iyy	15000	kg m²
	Izz	15000	kg m²

CoG: Center of Gravity – MPC: Moving Platform Centroid

Main dimensions

Total width	3.571	m
Total length	3.109	m
Settled height (floor to top of platform)	1.340	m
System weight	2500	kg

Power requirements

Mains power	3-phase 380-480 VAC +/- 10%, 50/60 Hz

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