

# eM6-388-12000-CCT

The eM6-388-12000-CCT is an electric, 6 DOF motion system designed for use in simulation systems for cabin emergency evacuation training.

- Integrated upper frame design for easy interfacing with cabin.
- Pneumatic weight compensation system to compensate for the static load and to enable the system to freeze in non-settled positions.
- Designed for regional- and business jet CEET systems with a low sill height.



## System performance

	Excursions			Velocity		Acceleration	
	Surge	Sway	Heave	Roll	Pitch	Yaw	
Surge	-0.25	0.31	m	0.58	m/s	7.4	m/s <sup>2</sup>
Sway	-0.26	0.26	m	0.54	m/s	6.5	m/s <sup>2</sup>
Heave	-0.27	0.28	m	0.59	m/s	8.4	m/s <sup>2</sup>
Roll	-8.4	8.4	deg	20	deg/s	140	deg/s <sup>2</sup>
Pitch	-8.0	8.7	deg	16	deg/s	92	deg/s <sup>2</sup>
Yaw	-5.3	5.3	deg	11	deg/s	121	deg/s <sup>2</sup>

## Payload specification

Gross Moving Load	12000	kg (payload including integrated upper frame of 3000kg)
CoG height above MPC(*)	<1500	mm
Moments of Inertia	Ixx	50000 kg m <sup>2</sup>
	Iyy	150000 kg m <sup>2</sup>
	Izz	150000 kg m <sup>2</sup>

CoG: Center of Gravity – MPC: Moving Platform Centroid

## Main dimensions

Total width (floor interface)	5.020	m
Total length (floor interface)	5.880	m
Settled height (floor to top of platform)	1.811	m
System weight	8530	kg

## Power requirements

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