

# eM6-1250-40000-CCT

The eM6-1250-40000-CCT is an electric, 6 DOF motion system designed for use in simulation systems for wide-body aircraft cabin crew trainers like to A320 or B737.



- unprecedented 40 tons of payload
- pneumatic weight compensation system to compensate for the static load
- mechanical locking brakes to enable the system to freeze in non-settled positions
- designed for wide-body aircraft cabin crew trainers with a low settled height

## System performance

	Excursions			Velocity		Acceleration	
Surge	-0.97	0.97	m	+/-0.50	m/s	+/-4.0	m/s <sup>2</sup>
Sway	-0.84	0.84	m	+/-0.50	m/s	+/-4.0	m/s <sup>2</sup>
Heave	-0.94	0.94	m	+/-0.55	m/s	-6/+10	m/s <sup>2</sup>
Roll	-16	16	deg	+/-10	deg/s	+/-80	deg/s <sup>2</sup>
Pitch	-18	20	deg	+/-10	deg/s	+/-40	deg/s <sup>2</sup>
Yaw	-13	13	deg	+/-7	deg/s	+/-40	deg/s <sup>2</sup>

## Payload specification

Gross Moving Load	40000	kg (payload including upper frame of 15000kg)
CoG height above MPC(*)	1500	mm
Moments of Inertia	lxx	20000 kg m <sup>2</sup>
	lyy	90000 kg m <sup>2</sup>
	lzz	90000 kg m <sup>2</sup>

CoG: Center of Gravity – MPC: Moving Platform Centroid

## Main dimensions

Total width upper frame	8.630	m
Total length upper frame	9.946	m
Total width upper frame	7.455	m
Total length upper frame	14.2	m
Settled height (floor to top of platform)	2.930	m
System weight	34.000	kg

## Power requirements

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