

eM6-1070-9000

The eM6-1070-9000 is a 2nd generation, fully electric 6 degrees of freedom motion system, designed for use in FAA, EASA level B and D and ICAO 9625 type VII flight simulation systems for both rotary wing and fixed wing aircraft.

- Best in class smoothness
- Reliable and robust



System performance

	Excursions					Velocity		Acceleration	
	Single DOF		non-single DOF						
Surge	-0.87	0.98	-1.0	1.0	m	0.90	m/s	6.8	m/s ²
Sway	-0.83	0.83	-1.0	1.0	m	0.90	m/s	6.8	m/s ²
Heave	-0.67	0.64	-0.67	0.64	m	0.65	m/s	9.2	m/s ²
Roll	-25	25	-28	28	deg	24	deg/s	140	deg/s ²
Pitch	-26	29	-28	30	deg	26	deg/s	140	deg/s ²
Yaw	-25	25	-29	29	deg	26	deg/s	250	deg/s ²

Rotational reference point with respect to MPC (x,y,z): 318mm, 0mm, 0mm

Payload specification

Gross Moving Load	9000	kg (payload including upper joints)
CoG height above MPC(*)	1500	mm
Moments of Inertia	lxx	30000 kg m ²
	lyy	30000 kg m ²
	lzz	30000 kg m ²

CoG: Center of Gravity – MPC: Moving Platform Centroid

Main dimensions

Ground circle diameter	6.10	m
Settled height (floor to top of platform)	2.25	m
System weight	≈ 8000	kg

Power requirements

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