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eM6-1430-14000

The eM6-1430-14000 is a 2nd generation, fully electric 6 degrees of freedom motion system, designed for use in FAA, EASA level D and ICAO 9625 type VII flight simulation systems for both fixed wing- and rotary wing aircraft.

- Best in class smoothness
- Reliable and robust
- Choice of mechanical interfaces

System performance

	Excursions					Velocity		Acceleration	
	Single DOF		non-single DOF						
Surge	-1.17	1.40	-1.5	1.5	m	0.97	m/s	7.1	m/s2
Sway	-1.17	1.17	-1.5	1.5	m	0.97	m/s	6.5	m/s2
Heave	-0.87	0.87	-0.87	0.87	m	0.64	m/s	7.8	m/s2
Roll	-27	27	-30	30	deg	20	deg/s	140	deg/s2
Pitch	-29	33	-32	35	deg	22	deg/s	150	deg/s2
Yaw	-29	29	-37	37	deg	23	deg/s	240	deg/s2

Rotational reference point with respect to MPC (x,y,z): 389mm, 0mm, 0mm

Payload specification

Gross Moving Load		14000	kg (payload including upper joints)
CoG height above MPC(*)		1800	mm
Moments of Inertia	Ixx	50000	kg m²
	Iyy	50000	kg m²
	Izz	50000	kg m²

CoG: Center of Gravity – MPC: Moving Platform Centroid

Main dimensions

Ground circle diameter	6.4	m
Settled height (floor to top of platform)	2.48	m
System weight	9000	kg

Power requirements

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

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