

eMove eM3-ROT-1500-HF

The eMove eM3-ROT-1500-HF is an electric, 3 DOF surge, sway and heave high frequency vibration system for payloads (GML) up to 1500 Kg.

Typical applications are cockpit shakers for commercial- and military helicopter full flight/mission simulators and high frequency, multi-axial test applications.



Excursions

Degree of freedom	Single DOF excursions for +/-45 deg motor rotation (output shaft)	
	Negative [m]	Positive [m]
Surge	-0.014	0.013
Sway	-0.015	0.015
Heave	-0.008	0.008

Velocity

Degree of freedom	Single DOF velocity limits [m/s]
Surge	0.40
Sway	0.47
Heave	0.22

Acceleration

Degree of freedom	Single DOF acceleration	
	Negative [m/s ²]	Positive [m/s ²]
Surge	-5.0	5.0
Sway	-5.0	5.0
Heave	-5.0	5.0

Frequency range

Degree of freedom	Frequency range	
	at 2 m/s ² [Hz]	at 5 m/s ² [Hz]
Surge	3-30	4-25
Sway	3-30	4-25
Heave	3-35	4-25

Main dimensions

Ground circle diameter	-- m (as per customer requirements)
Settled height	-- m (as per customer requirements)

Power requirements

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