

eMove eM5-300-3000

The eMove eM5-300-3000 is a five degrees of freedom electric motion system specifically designed for use in railway simulation systems in facilities with a low ceiling. The static weight of the moving frame and the payload is supported by pneumatic cylinders.



Typical applications are railway simulators such as train, metro and tram training systems.

System performance

	Single dof excursions			Velocity		Acceleration	
	min	max					
Surge	-0.5	0.5	m	0.6	m/s	3	m/s ²
Sway	-0.15	0.15	m	0.5	m/s	3	m/s ²
Heave	-0.15	0.15	m	0.5	m/s	3	m/s ²
Roll	-4.1	4.1	deg	14	deg/s	*	deg/s ²
Pitch	-7.7	7.7	deg	28	deg/s	*	deg/s ²

* depending on customer cabin

Payload specification

Gross moving load	3000 kg (payload including moving frame)
Net payload	2400 kg

Main dimensions

Total width	5.400 m
Total length, including surge actuator	5.670 m
Total length, excluding surge actuator	2.300 m
Total height	1.400 m
Settled height (floor to top of moving platform)	approx. 0.7 m
System weight	4500 kg

Power requirements

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