

AQUILON hexapod

Dynamic hexapod with very high amplitude



KEY FEATURES

- Payload capacity 6 tons
- Linear travel range ± 800 mm
- Angular travel range $\pm 40^\circ$



APPLICATIONS

- Motion simulator
- Heavy payload positioner
- Swell simulator



Hexapod AQUILON for sloshing tests.

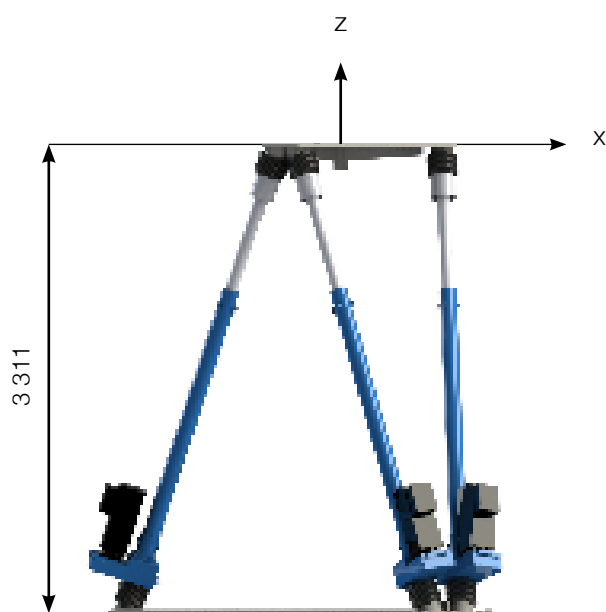


Sloshing tests hexapod AQUILON with a 10T payload.



	AQUILON
Motion and positioning	
Travel range Tx, Ty (mm)	± 800
Travel range Tz (mm)	± 650
Travel range Rx, Ry, Rz (deg)	± 40
Speed Tx, Ty, (mm/s)	± 1 800
Speed Tz (mm/s)	± 1 600
Speed Rx, Ry (°/s)	± 200
Speed Rz (°/s)	± 100
Acceleration Tx, Ty, Tz (mm/s²)	± 7 000
Acceleration Rx, Ry, (°/s²)	± 1 200
Acceleration Rz (°/s²)	± 600
Mechanical properties	
Payload capacity (kg) (vertical orientation only)	6 000
Motor type	Brushless
Miscellaneous	
Operating temperature range (°C)	0 to + 50
Size mobile platform (mm)	Ø 2 100
Height in middle position (mm)	~ 3 311
Mass (kg)	~ 3 000
Cable length (m)	15
Options	Outdoor ATEX compatibility Customized platform design Acquisition (storage of motions) API External real-time trajectory control (ERTT)
Controller	
Interface	Ethernet
Power supply	400 VAC (three-phase) / 250 A

The performances are specified for single axis motions, with all other axes at midrange and for a rotation center in the middle of the mobile platform.



Hexapod in middle position

