

Standard units in the CKAS “W” Series 6DOF Motion System family:

System	CKAS W15 6DOF Motion System	CKAS W25 6DOF Motion System
Architecture	Pitch-Roll Crank Arm	
Actuation	Fully Electric	
PC Interface	USB	
PC – Controller Update	100 Hz	
Power Requirements	380-415 VAC 3 ϕ – 25 amps	380-415 VAC 3 ϕ – 40 amps
Approx Dim's (parked)		
Width	1740mm (68.5")	
Length	1740mm (68.5")	
Height	915mm (36")	
Approx unit weight	1000 kg (2200 lb)	1500 kg (3300 lb)
Payload Mass	1500 kg (3300 lb)	2500 kg (5500 lb)
Payload Moment of Inertia	250 kg.m ²	
Angular Axes	Displacement , Velocity , Accel	Displacement , Velocity , Accel
Yaw	$\pm 24^{\circ}$, $\pm 40^{\circ}/S$, $\pm 500^{\circ}/s^2$	$\pm 24^{\circ}$, $\pm 40^{\circ}/S$, $\pm 500^{\circ}/s^2$
Pitch	$\pm 24^{\circ}$, $\pm 40^{\circ}/S$, $\pm 500^{\circ}/s^2$	$\pm 24^{\circ}$, $\pm 40^{\circ}/S$, $\pm 500^{\circ}/s^2$
Roll	$\pm 24^{\circ}$, $\pm 40^{\circ}/S$, $\pm 500^{\circ}/s^2$	$\pm 24^{\circ}$, $\pm 40^{\circ}/S$, $\pm 500^{\circ}/s^2$
Linear Axes	Displacement , Velocity , Accel	Displacement , Velocity , Accel
Heave	$\pm 300mm$, $\pm 500mm/S$, $\pm 0.6G$	$\pm 300mm$, $\pm 500mm/S$, $\pm 0.6G$
Surge	$\pm 300mm$, $\pm 500mm/S$, $\pm 0.6G$	$\pm 300mm$, $\pm 500mm/S$, $\pm 0.6G$
Sway	$\pm 300mm$, $\pm 500mm/S$, $\pm 0.6G$	$\pm 300mm$, $\pm 500mm/S$, $\pm 0.6G$

Note: Specifications subject to change without notice