

Technical Specifications

KRD60 Series
3-DOF Simulation Table



KRD60 Series 3 DOF simulation table simulates various mechanical, electrical, and electronic products installed on ships, seaplanes, and other equipment to perform sway and tilt tests to determine the ability and structural integrity of the product to withstand severe sway and tilt requirements. The tilt test is mainly applicable to large-angle tilt caused by ship damage, manipulation, imbalance in loading and unloading, and wind. The sway test is mainly applicable to long-term swaying of the ship due to external forces such as wind and waves, which must be maintained normally or products that work reliably, and products that have a significant impact on their performance in a rocking environment.

- Based on the stable Windows OS and support automatic remote-control interface, the operator can accurately complete the tilting and swing test by entering simple values.
- The operation interface is mainly based on the real-time display of data curve, it also can display the test parameters, system status, and test progress.
- It can realize the functions of sine signal, self-closed loop adjustment, various function control and alarm prompt.
- The functions of roll, pitch, head-roll and tilt tests can be performed on the same platform.

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Model Parameters		KRD 60-100	KRD 60-300	KRD 60-500	KRD 60-1000	KRD 60-1500	KRD 60-2000	KRD 60-3000	KRD 60-5000	KRD 60-8000	KRD 60-10T
Max. Load (kg)		100	300	500	1000	1500	2000	3000	5000	8000	10000
Height of Specimen COG(mm)		300		500			700			900	
Yawing	Angle	0~±10°									
	Cycle	3s~7s									
Rolling	Angle	0~±45°									
	Cycle	3s~30s									
Pitching	Angle	0~±30°									
	Cycle	4s~30s									
Rolling Tilting Angle		0~±45°									
Pitching Tilting Angle		0~±30°									
Table Size (mm)		800×800	1000×1000	1500×1200	1600×1300		1700×1500	1800×1600	3200×2100	3500×2800	4000×3000

Power	3-phase AC380V±10% 20KVA	3-phase AC380V±10% 22KVA	3-phase AC380V±10% 37KVA	3-phase AC380V±10% 45KVA	3-phase AC380V±10% 55KVA	3-phase AC380V±10% 70KVA	3-phase AC380V±10% 90KVA	3-phase AC 380V±10% 110KVA	3-phase AC380V ±10% 150KVA
Working Environment	Temperature range 0 ~ 40°C, Humidity≤80% (non-condensing)								
Installation Condition	According to the foundation drawings provided by the manufacturer								
Standards	IEC60068—2								

Note: The parameters in the table are for reference only, and the parameters agreed upon by the supplier and the buyer shall prevail.