HALT/HASS Reliability Testing Systems



Part Number: 971-4006 **Standard Features** High Rate, High Flow Typhoon Thermal System xLF2 Vibration Table with PSD Management

Vacuum Jacketed Manifold Allen-Bradley PLC Control Desktop PC with Flat Panel Monitor Typhoon Manager Software

Typhoon 4.0 +

This system is designed specifically for the task of performing Highly Accelerated Stress Screening (HASS) and Highly Accelerated Life Test (HALT) on large products. Its 48" x 48" vibration table is capable of supporting hundreds of pounds of products, fixturing and mounts at two different heights. The Typhoon 4.0 + provides optimal thermal and vibration performance to drive out failures fast, yet is amazingly quiet.

Work Space	Lower Table Position
	53.8″w x 54.0″d x 53.6″h
	(1366 x 1372 x 1362mm)
	Upper Table Position
	53.8″w x 54.0″d x 34.6″h
	(1366 x 1372 x 879mm)
Outer Dimensions	69.8″w x 78.3″d x 108.4″h
	(1772 x 1989 x 2640mm)
Table Size	48″ x 48″
	(1219 x 1219mm)
Actuators	12 Actuators
	Lubricant-free
Table Capacity ¹	600 lb (272 kg)
Acceleration ²	5 – 75 gRMS
Temp Range	+200°C to -100°C
Thermal Ramp Rate ³	70°C/min average
Power Requirements	380V, 400V, 440V, 480V
	3Ф
	50/60Hz,
	100A (Service Rating)
	125A (Service Rating)

See Qualmark product catalog for configuration options, accessories, and post warranty service and maintenance plans. All specifications are subject to change without notice.



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Typhoon 4.0 + System includes:

- Two (2) year warranty
- Operations & Maintenance manual
- One (1) accelerometer for table control provided; Three (3) additional accelerometer input channels available
- Two 72" thermocouples provided one (1) for product, one (1) for air; Four (4) additional thermocouple input channels available
- One (1) 20 ft accelerometer cable
- Eight (8) User State Relays (USR)
- Control PC with Windows® operating system and flat panel monitor



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2 x 1362mm)
2 x 879mm)
ens 150º
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wall
ind 2 in back
por is ajar
or custom options.
table configuration.

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